

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059591.D
 Acq On : 13 Dec 2019 18:12
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 12/16/2019 12:49:06 PM

Quant Time: Dec 13 22:39:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 22:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	252149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	408213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	358377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151625	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	20282	5.60	ug/l	0.00
Spiked Amount			Recovery	=	11.20%	
35) Dibromofluoromethane	7.56	113	13430	5.42	ug/l	0.00
Spiked Amount			Recovery	=	10.84%	
50) Toluene-d8	10.08	98	52977	5.20	ug/l	0.00
Spiked Amount			Recovery	=	10.40%	
62) 4-Bromofluorobenzene	12.40	95	18527	5.03	ug/l	0.00
Spiked Amount			Recovery	=	10.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	18302	6.105	ug/l	99
3) Chloromethane	2.04	50	27018	5.886	ug/l	97
4) Vinyl Chloride	2.17	62	27004	6.030	ug/l	100
5) Bromomethane	2.52	94	17518	6.400	ug/l	95
6) Chloroethane	2.67	64	13914	5.237	ug/l	95
7) Trichlorofluoromethane	2.99	101	28970	5.433	ug/l	93
8) Diethyl Ether	3.38	74	8983	4.953	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	15190	5.519	ug/l	98
10) Methyl Iodide	3.92	142	16726	4.447	ug/l	98
11) Tert butyl alcohol	4.76	59	17350	28.365	ug/l	96
12) 1,1-Dichloroethene	3.71	96	14136	5.254	ug/l	96
13) Acrolein	3.58	56	10809	30.995	ug/l	96
14) Allyl chloride	4.29	41	28066	5.438	ug/l	95
15) Acrylonitrile	4.95	53	41803	26.526	ug/l	98
16) Acetone	3.79	43	51492	28.928	ug/l	97
17) Carbon Disulfide	4.02	76	47038	4.761	ug/l	99
18) Methyl Acetate	4.30	43	23139	5.222	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	48648	5.445	ug/l	99
20) Methylene Chloride	4.52	84	17014	4.990	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	15370	5.340	ug/l	95
22) Diisopropyl ether	5.92	45	51100	5.203	ug/l	95
23) Vinyl Acetate	5.86	43	190339	23.400	ug/l	99
24) 1,1-Dichloroethane	5.82	63	30148	5.401	ug/l	97
25) 2-Butanone	6.81	43	64704	28.024	ug/l	99
26) 2,2-Dichloropropane	6.80	77	27540	5.457	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	17411	5.371	ug/l	99
28) Bromochloromethane	7.17	49	5814	3.198	ug/l #	98
29) Tetrahydrofuran	7.19	42	40515	25.718	ug/l	98
30) Chloroform	7.35	83	29394	5.339	ug/l	98
31) Cyclohexane	7.63	56	31642	5.831	ug/l #	80
32) 1,1,1-Trichloroethane	7.54	97	26429	5.409	ug/l	99
36) 1,1-Dichloropropene	7.77	75	22174	5.214	ug/l	98
37) Ethyl Acetate	6.90	43	24199	5.460	ug/l	99
38) Carbon Tetrachloride	7.75	117	23096	5.495	ug/l	97

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Dec 13 22:39:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	24201	5.079	ug/l	96
40) Benzene	8.02	78	64843	5.326	ug/l	99
41) Methacrylonitrile	7.15	41	9380m	4.593	ug/l	
42) 1,2-Dichloroethane	8.10	62	25512	5.613	ug/l	99
43) Isopropyl Acetate	8.14	43	38336	5.202	ug/l #	92
44) Trichloroethene	8.82	130	17152	5.559	ug/l	94
45) 1,2-Dichloropropane	9.10	63	17362	5.386	ug/l	100
46) Dibromomethane	9.19	93	11549	5.407	ug/l	98
47) Bromodichloromethane	9.39	83	22778	5.376	ug/l	99
48) Methyl methacrylate	9.19	41	16683	5.157	ug/l	97
49) 1,4-Dioxane	9.19	88	4440	102.607	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	111960	26.133	ug/l	99
52) Toluene	10.15	92	39827	5.482	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	25306	5.119	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	26661	5.262	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	15209	5.175	ug/l	94
56) Ethyl methacrylate	10.42	69	19525	4.495	ug/l	94
57) 1,3-Dichloropropane	10.70	76	26684	5.314	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	37833	27.504	ug/l	99
59) 2-Hexanone	10.74	43	84621	26.063	ug/l	98
60) Dibromochloromethane	10.90	129	16100	5.053	ug/l	99
61) 1,2-Dibromoethane	11.00	107	15466	5.062	ug/l	99
64) Tetrachloroethene	10.62	164	19097	6.867	ug/l	98
65) Chlorobenzene	11.43	112	41795	5.462	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.50	131	16010	5.600	ug/l	99
67) Ethyl Benzene	11.51	91	72058	5.241	ug/l	99
68) m/p-Xylenes	11.62	106	53255	10.455	ug/l	96
69) o-Xylene	11.95	106	24874	5.230	ug/l	100
70) Styrene	11.96	104	37123	4.713	ug/l	98
71) Bromoform	12.12	173	10894	4.916	ug/l #	97
73) Isopropylbenzene	12.25	105	65286	5.508	ug/l	99
74) N-amyl acetate	12.07	43	28085	5.408	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	20684	5.229	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	18148m	4.549	ug/l	
77) Bromobenzene	12.53	156	15791	5.432	ug/l	97
78) n-propylbenzene	12.59	91	74653	5.181	ug/l	100
79) 2-Chlorotoluene	12.67	91	45614	5.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	55292	5.513	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	7779	5.150	ug/l	99
82) 4-Chlorotoluene	12.77	91	46419	5.299	ug/l	100
83) tert-Butylbenzene	12.99	119	46670	5.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	54041	5.463	ug/l	99
85) sec-Butylbenzene	13.17	105	61738	5.398	ug/l	99
86) p-Isopropyltoluene	13.29	119	54886	5.379	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	28649	5.377	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	28720	5.517	ug/l	95
89) n-Butylbenzene	13.62	91	49262	5.122	ug/l	99
90) Hexachloroethane	13.87	117	10431	5.532	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	27854	5.550	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6136	6.118	ug/l	77

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 22:31:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	18109	5.305	ug/l	98
94) Hexachlorobutadiene	15.01	225	10191	5.913	ug/l	97
95) Naphthalene	15.12	128	50559	5.027	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	18849	5.373	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

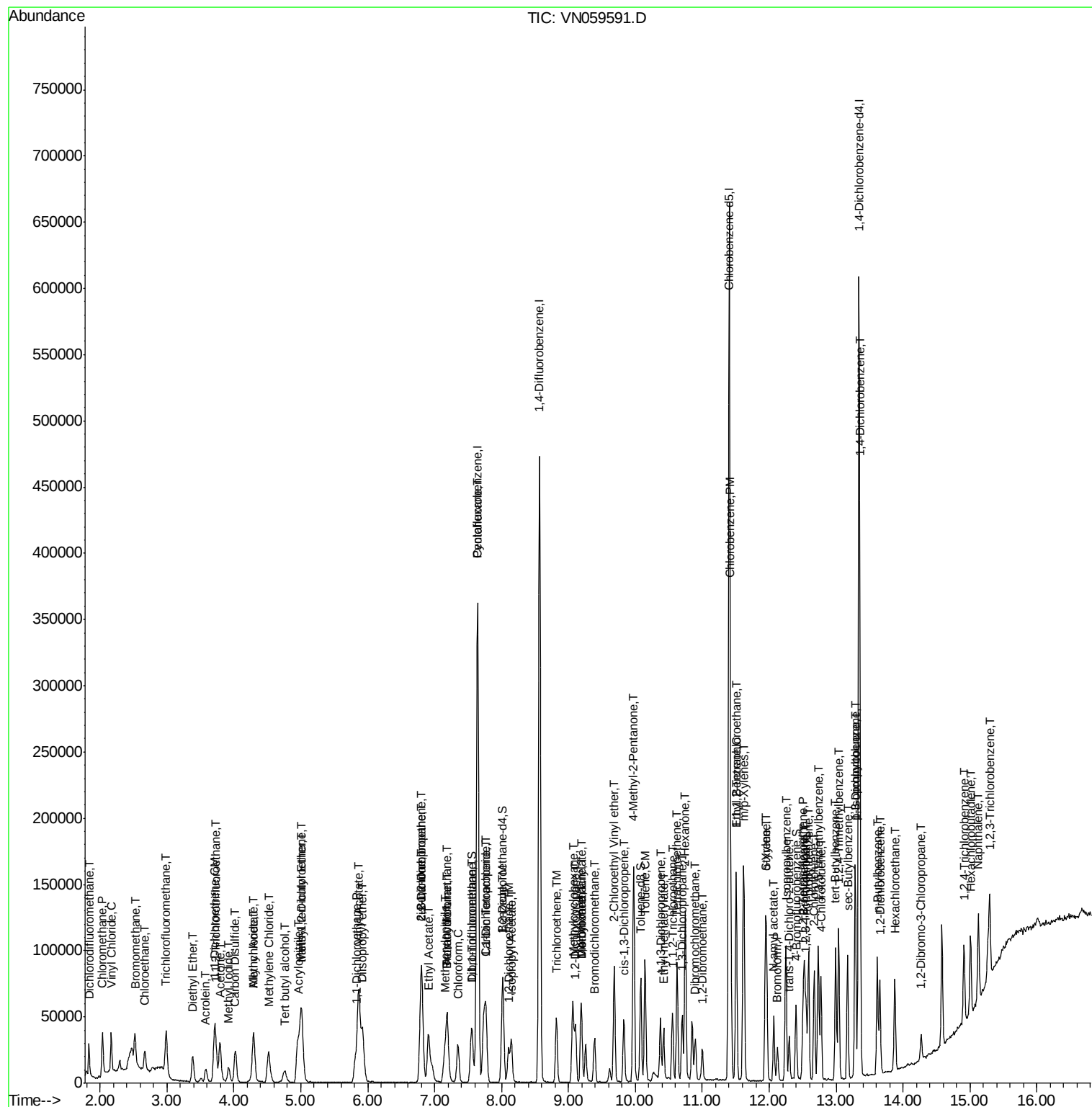
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Data File : VN059591.D
Acq On : 13 Dec 2019 18:12
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

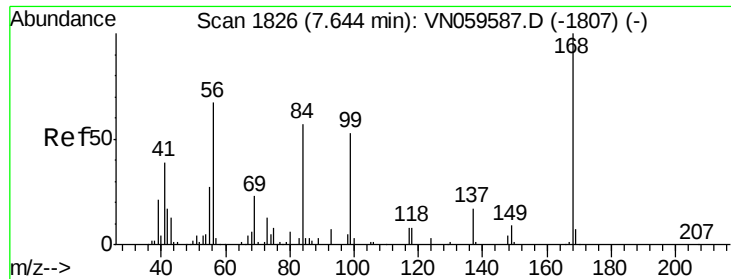
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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Quant Time: Dec 13 22:39:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 22:31:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 252149

Ion Ratio Lower Upper

168 100

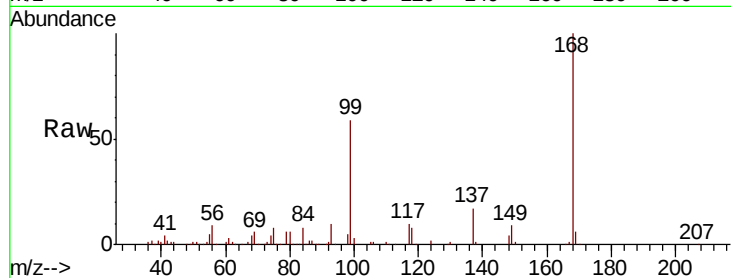
99 59.2 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

40000

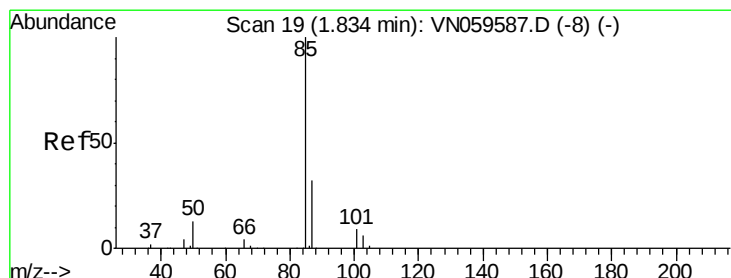
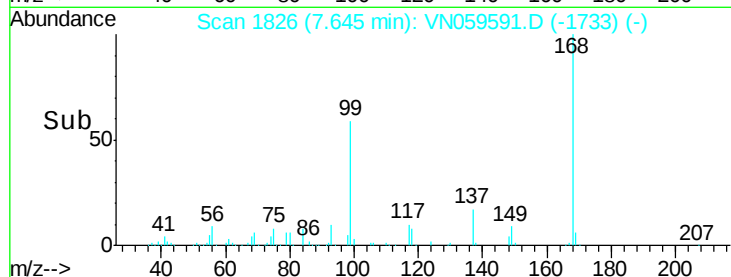
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 6.105 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059591.D

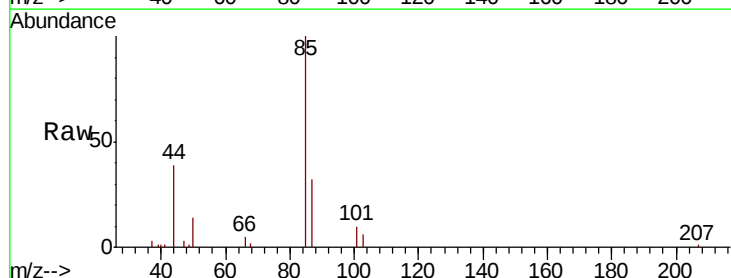
Acq: 13 Dec 2019 18:12

Tgt Ion: 85 Resp: 18302

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

15000

10000

5000

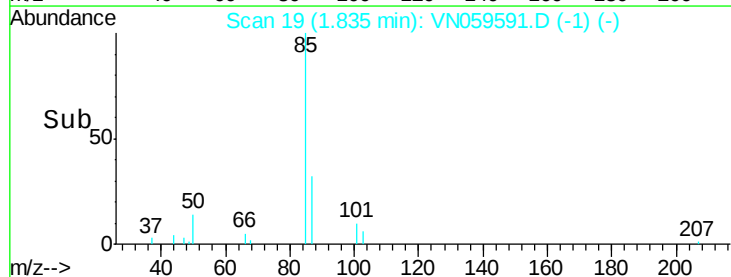
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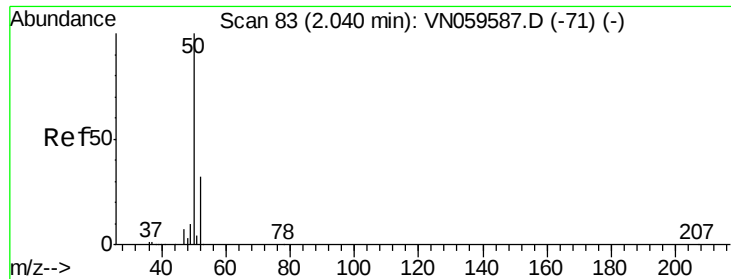
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 5.886 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27018

Ion Ratio Lower Upper

50 100

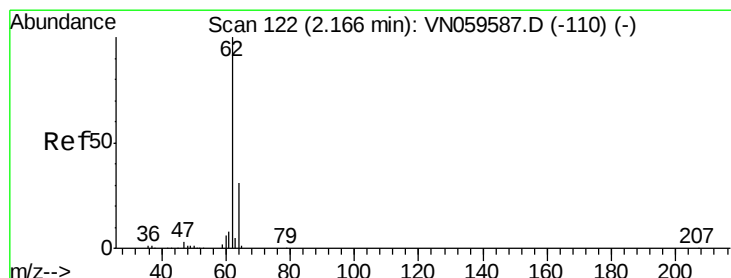
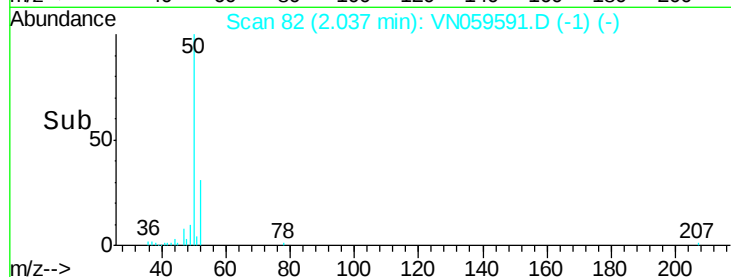
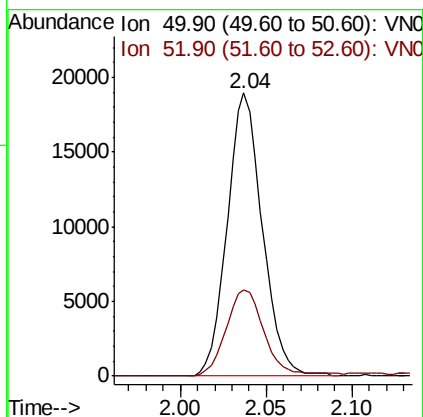
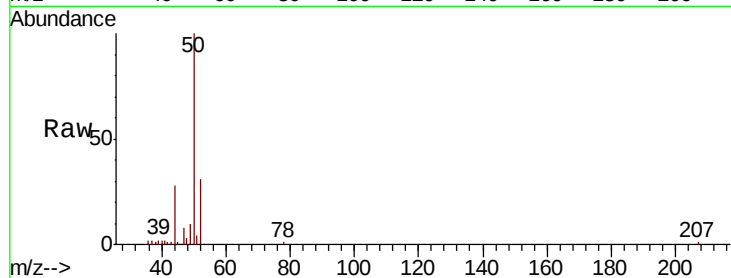
52 30.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 6.030 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059591.D

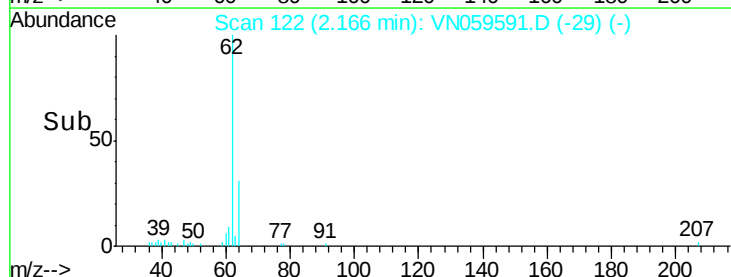
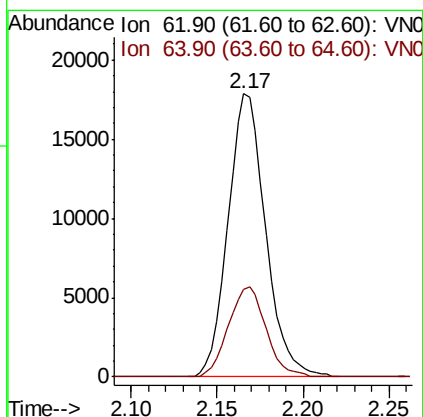
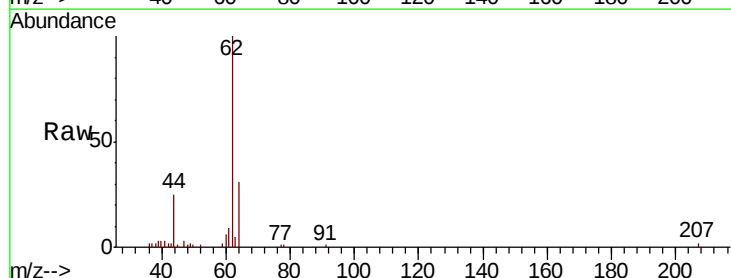
Acq: 13 Dec 2019 18:12

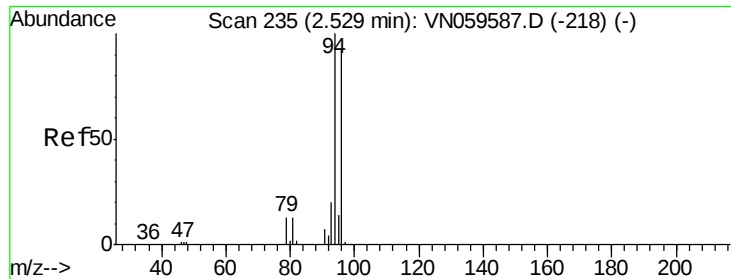
Tgt Ion: 62 Resp: 27004

Ion Ratio Lower Upper

62 100

64 30.9 24.6 37.0





#5

Bromomethane

Concen: 6.400 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17518

Ion Ratio Lower Upper

94 100

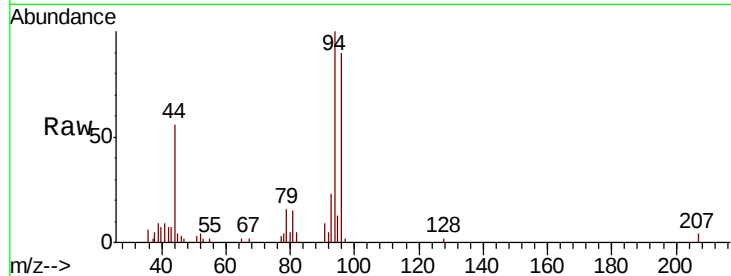
96 88.5 74.7 112.1

Manual Integrations

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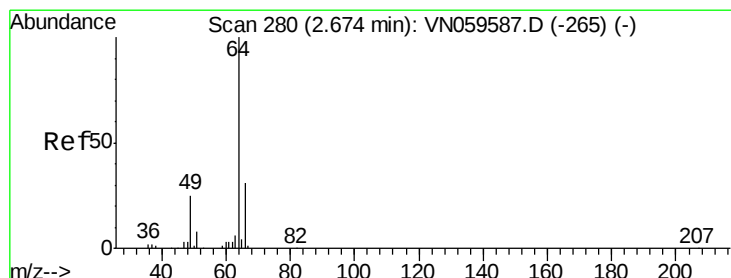
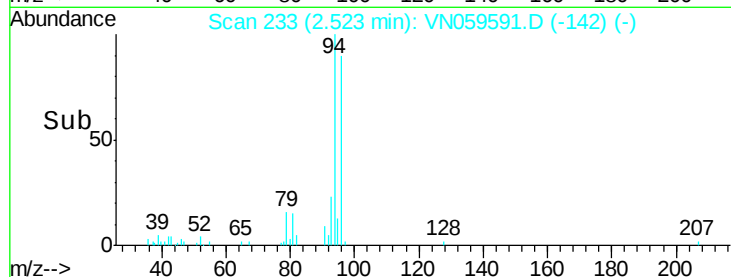
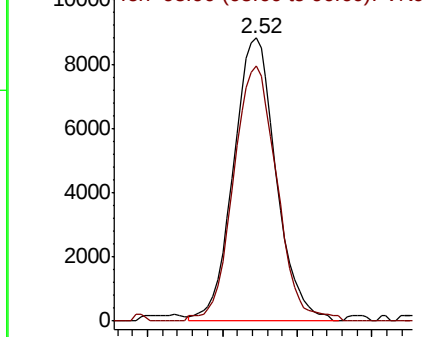
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.237 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN059591.D

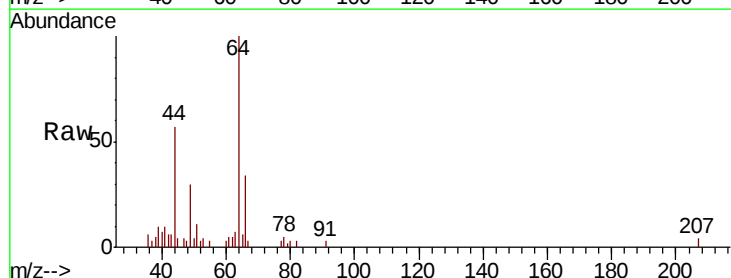
Acq: 13 Dec 2019 18:12

Tgt Ion: 64 Resp: 13914

Ion Ratio Lower Upper

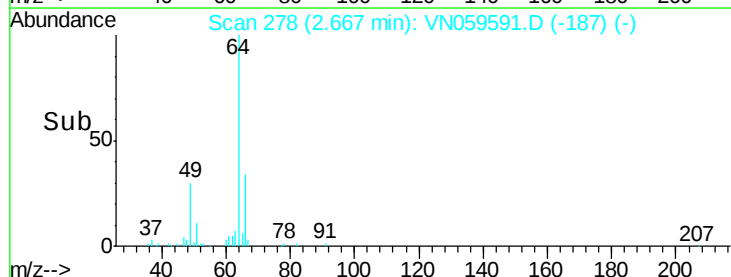
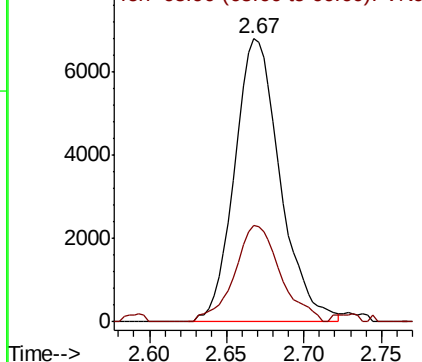
64 100

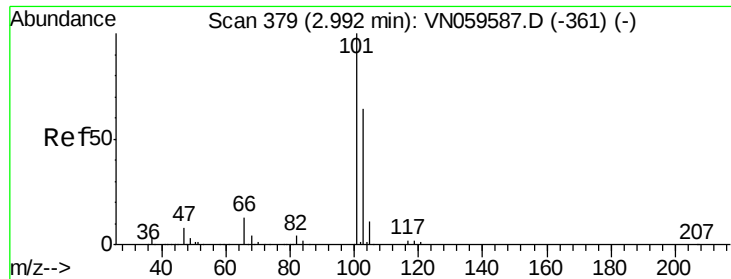
66 33.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

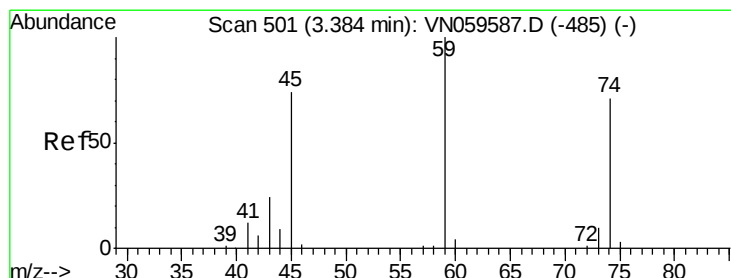
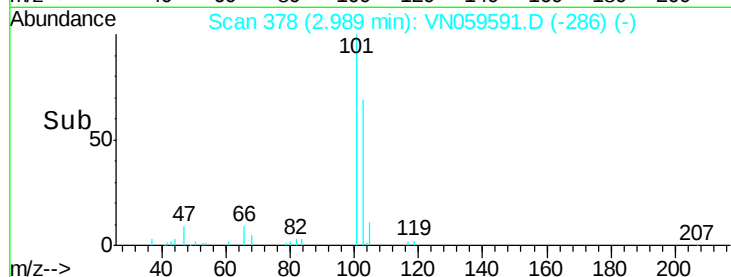
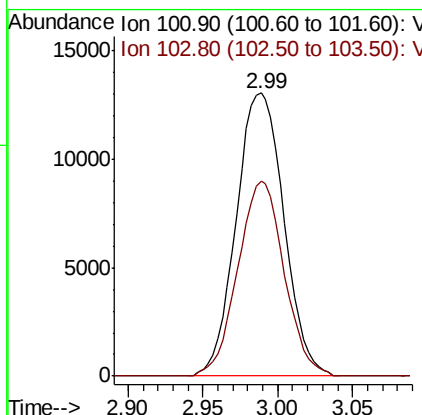
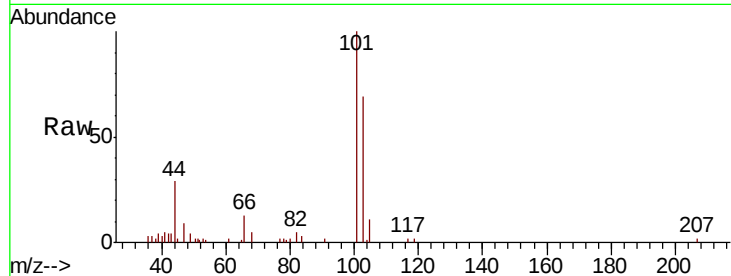
Trichlorofluoromethane
 Concen: 5.433 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	69.0	51.0	76.6	

Manual Integrations
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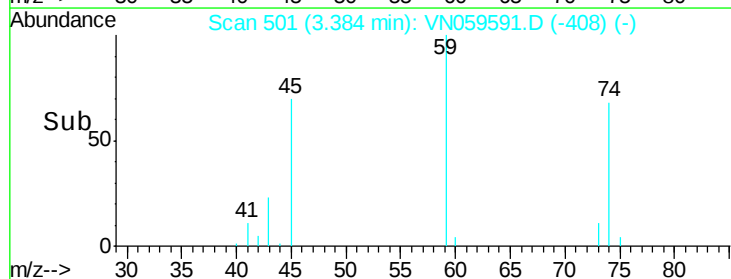
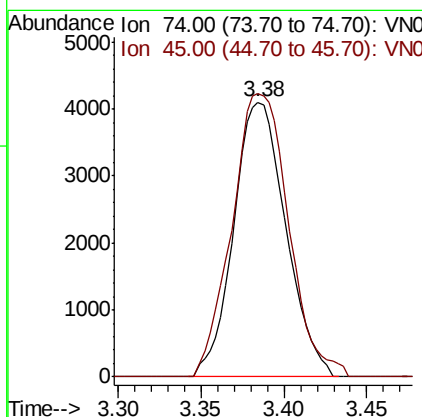
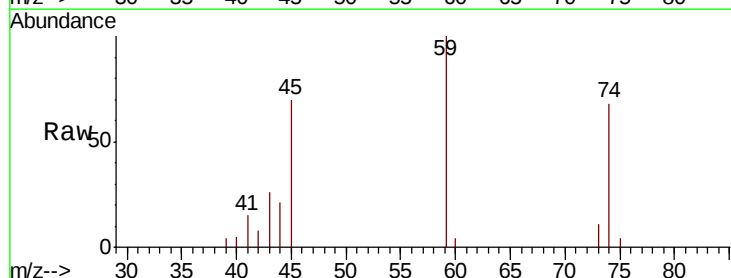
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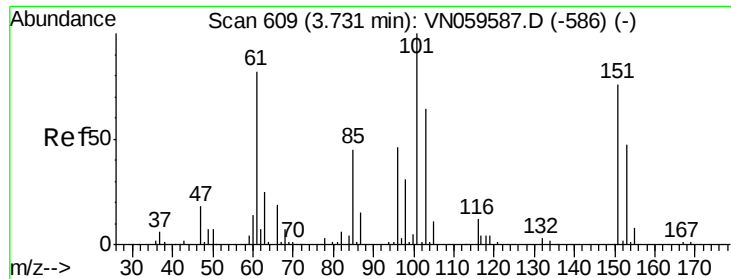


#8

Diethyl Ether
 Concen: 4.953 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	112.1	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.519 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

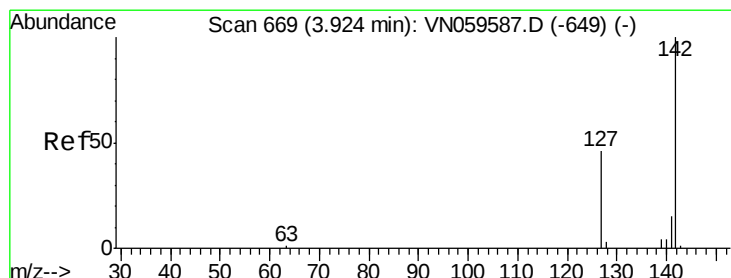
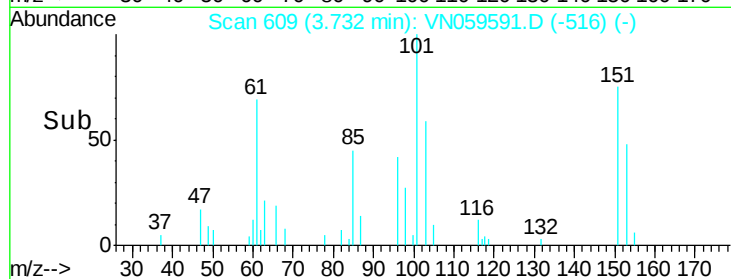
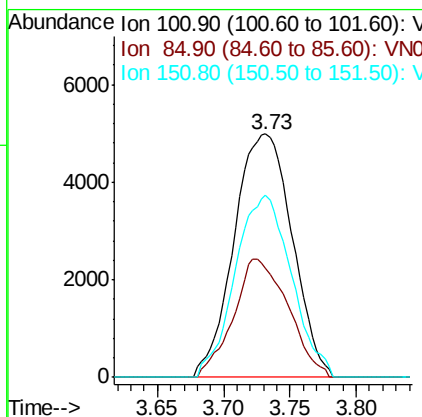
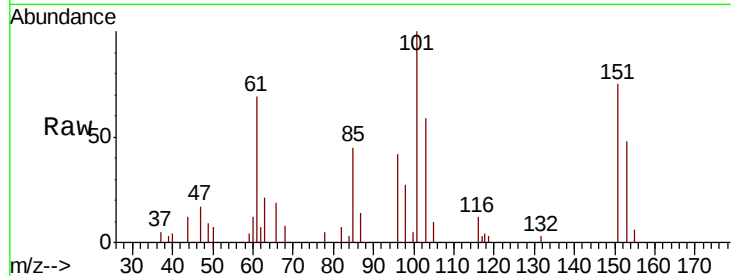
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15190
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	54.8
151	72.4	59.7	89.5

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#10

Methyl Iodide

Concen: 4.447 ug/l

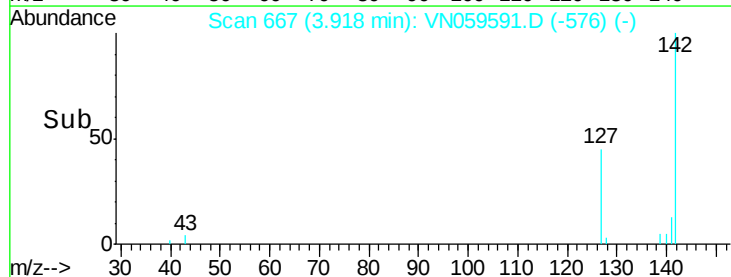
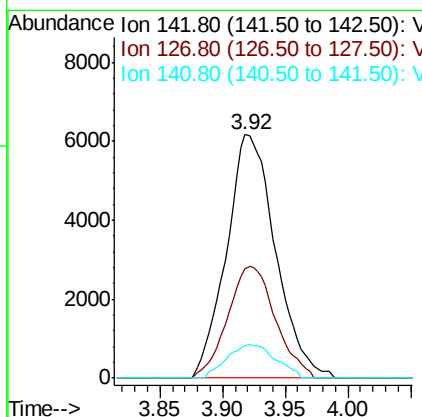
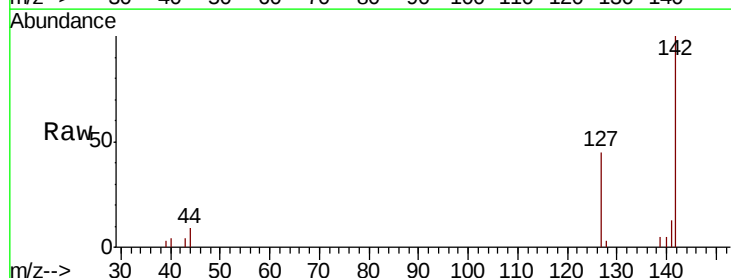
RT: 3.92 min Scan# 667

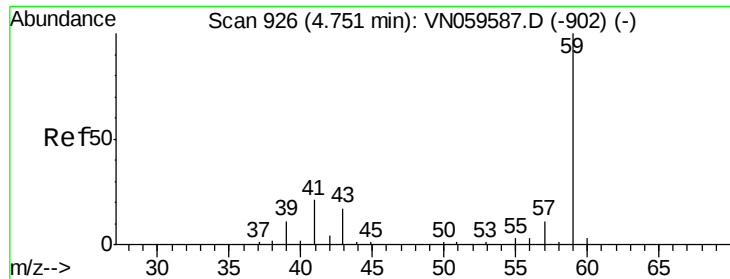
Delta R.T. -0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	142	Resp:	16726
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.7	55.1
141	13.7	11.7	17.5





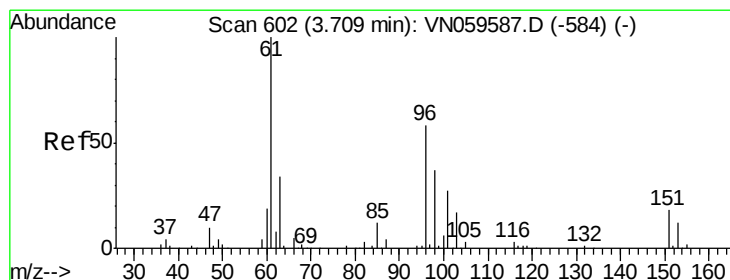
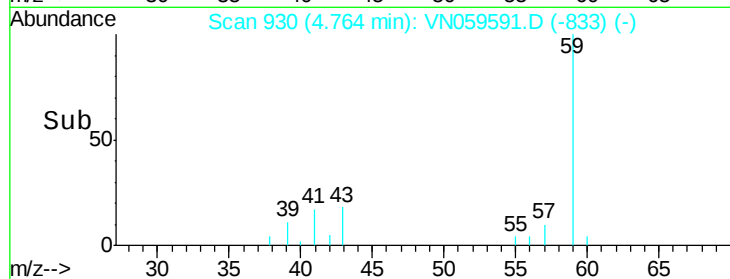
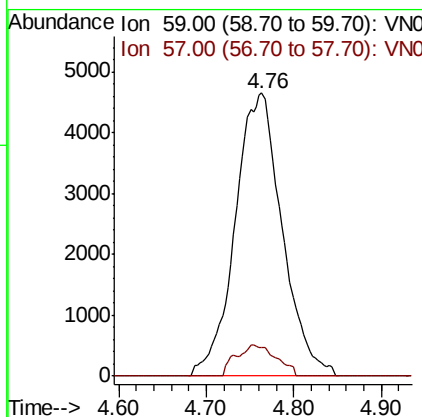
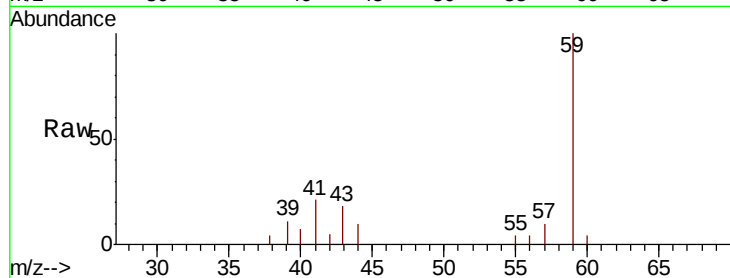
#11
Tert butyl alcohol
Concen: 28.365 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
59	100	17350		
57	9.4		8.6	12.8

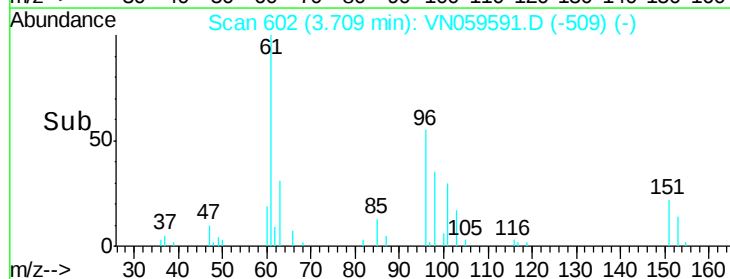
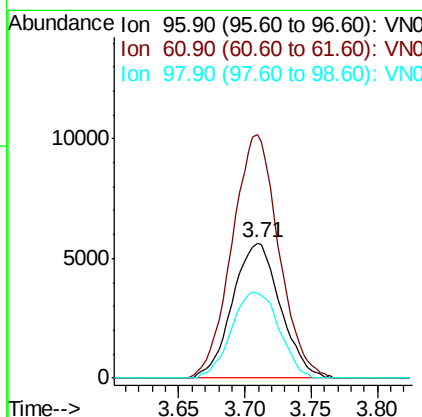
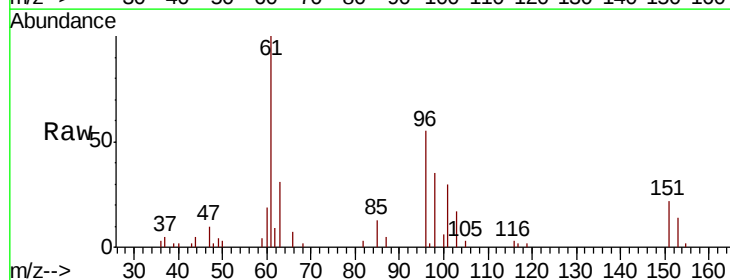
Manual Integrations
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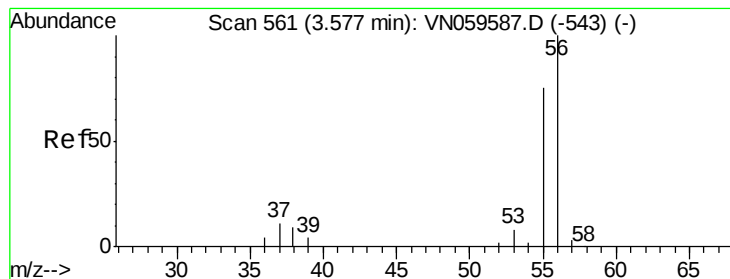
apatel
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#12
1,1-Dichloroethene
Concen: 5.254 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	14136		
61	180.2		137.5	206.3
98	62.8		50.2	75.4





#13

Acrolein

Concen: 30.995 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10809

Ion Ratio Lower Upper

56 100

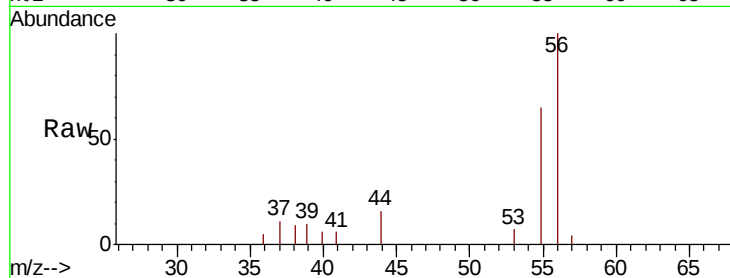
55 69.7 58.6 88.0

Manual Integrations

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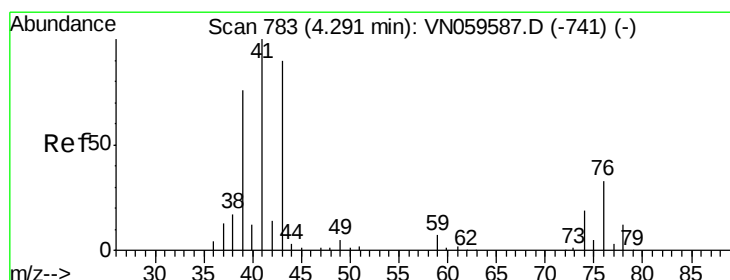
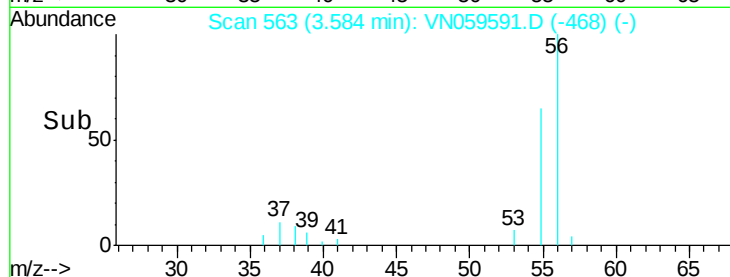
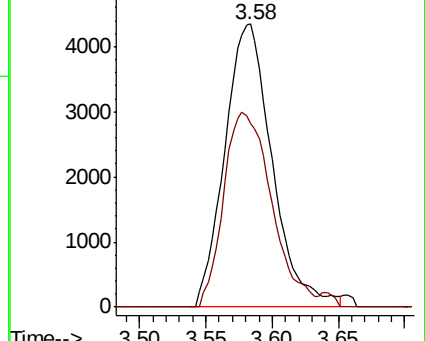
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Abundance Ion 56.00 (55.70 to 56.70): VN059591.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059591.D (-468) (-)



#14

Allyl chloride

Concen: 5.438 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

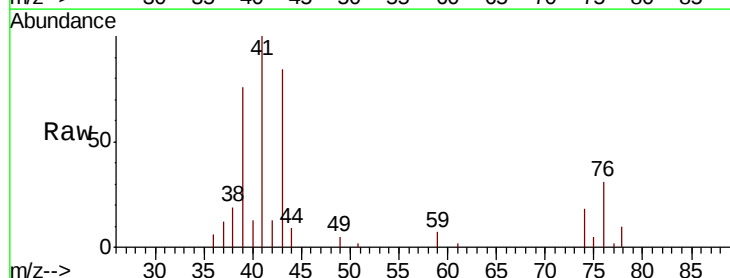
Tgt Ion: 41 Resp: 28066

Ion Ratio Lower Upper

41 100

39 68.7 57.8 86.8

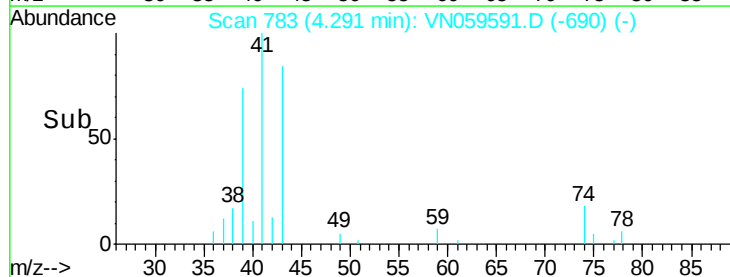
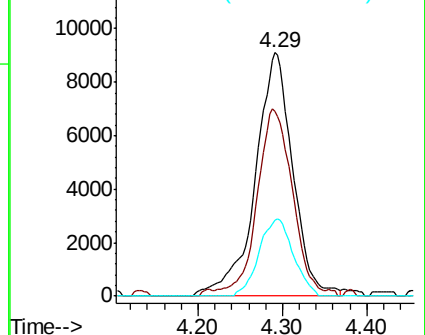
76 28.8 25.4 38.0

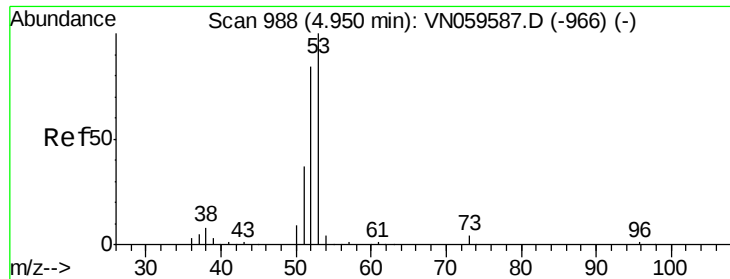


Abundance Ion 41.00 (40.70 to 41.70): VN059591.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN059591.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN059591.D (-690) (-)





#15

Acrylonitrile

Concen: 26.526 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

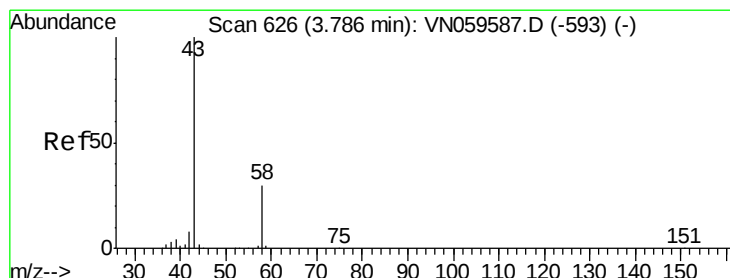
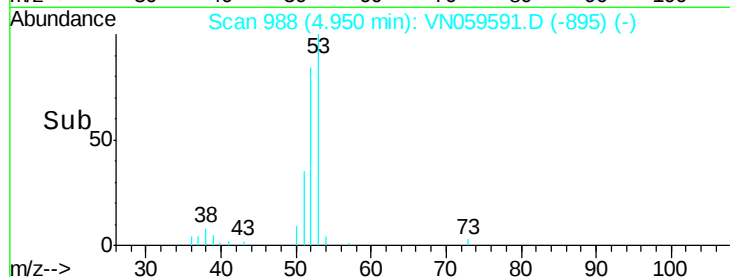
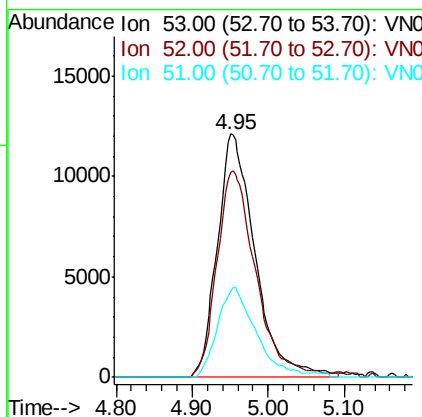
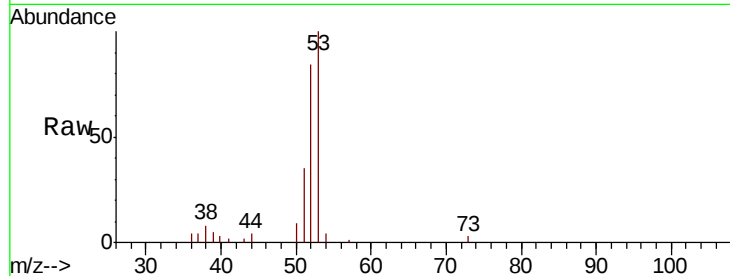
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	41803
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.3	99.5
51	37.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 28.928 ug/l

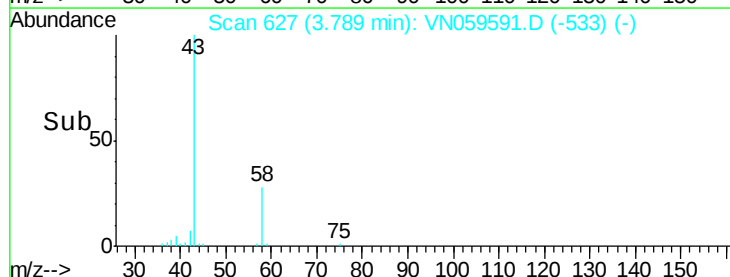
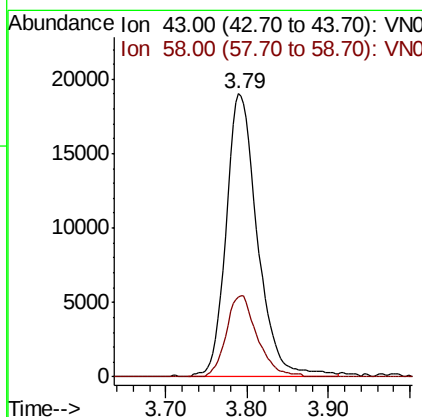
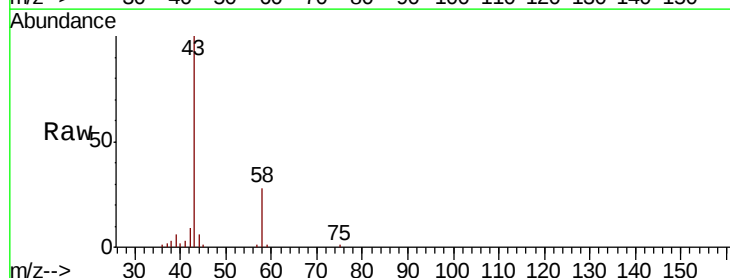
RT: 3.79 min Scan# 627

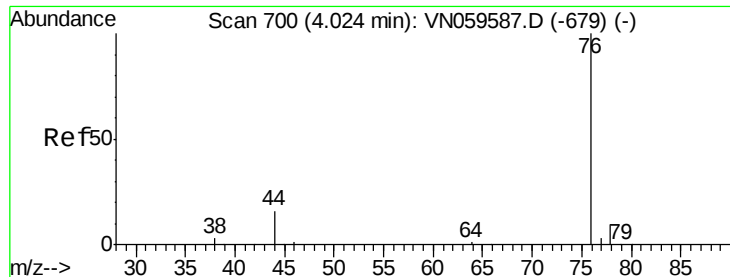
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	43	Resp:	51492
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.6	35.4





#17

Carbon Disulfide

Concen: 4.761 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 47038

Ion Ratio Lower Upper

76 100

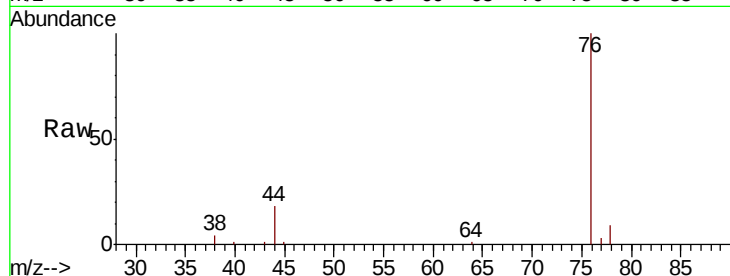
78 9.4 7.4 11.0

Manual Integrations

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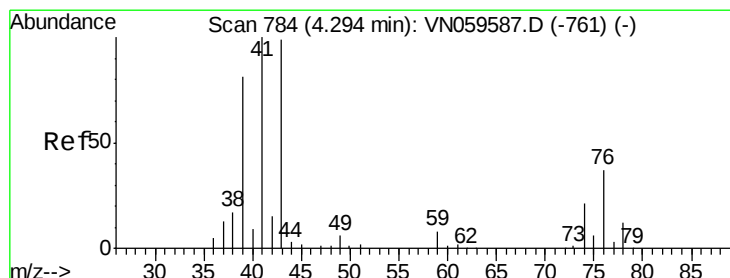
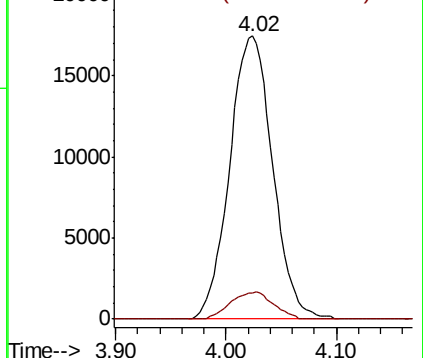
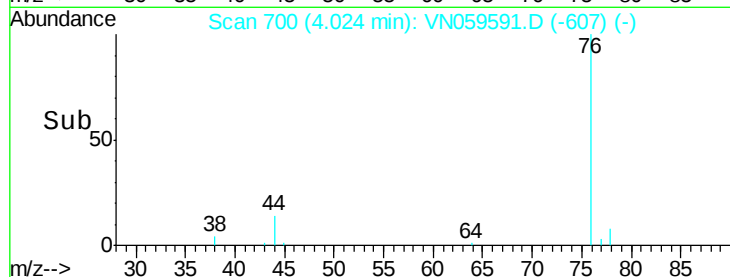
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.222 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059591.D

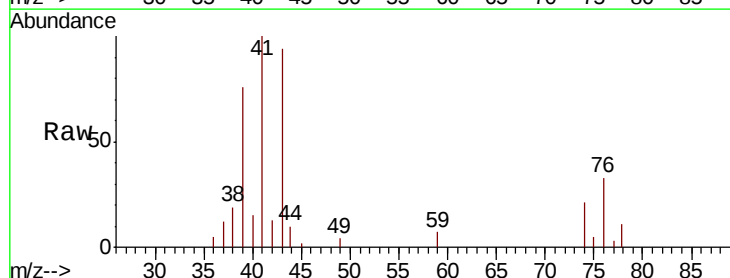
Acq: 13 Dec 2019 18:12

Tgt Ion: 43 Resp: 23139

Ion Ratio Lower Upper

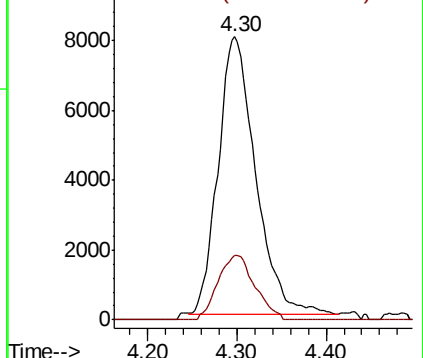
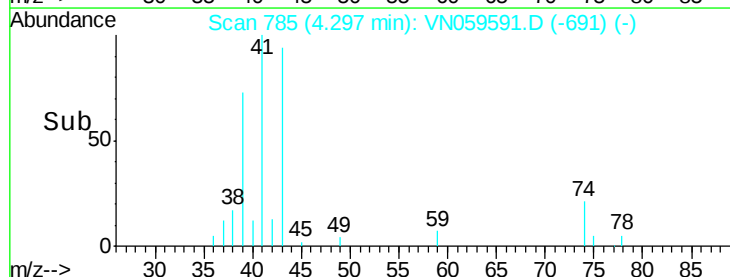
43 100

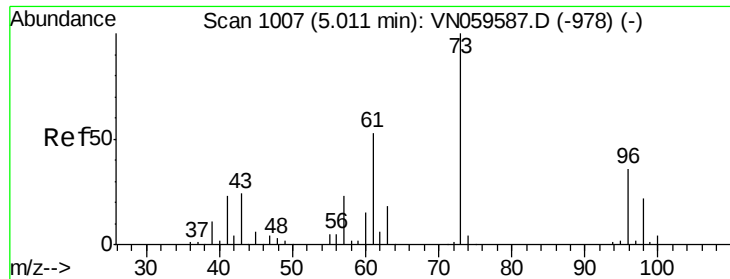
74 22.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





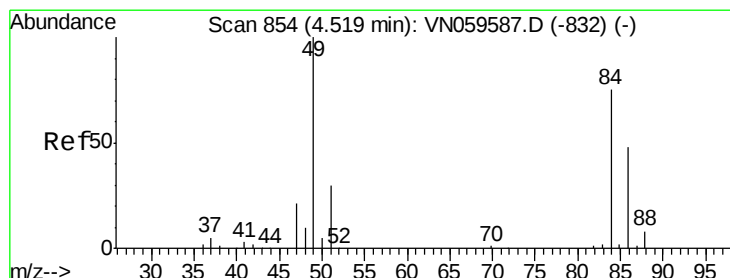
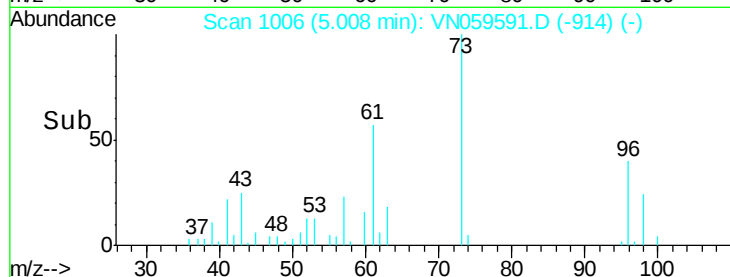
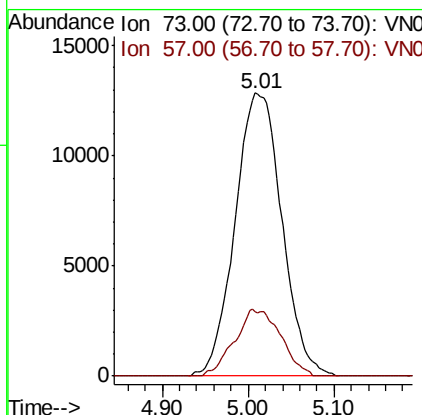
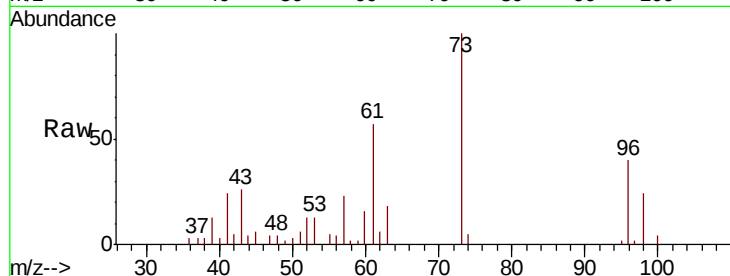
#19
Methvl tert-butvl Ether
Concen: 5.445 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 48648
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8

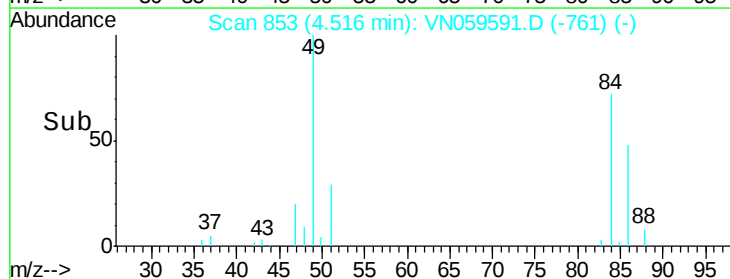
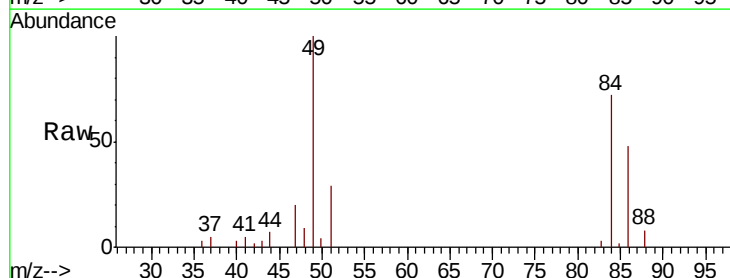
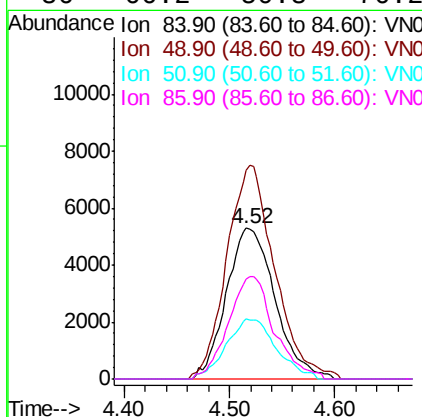
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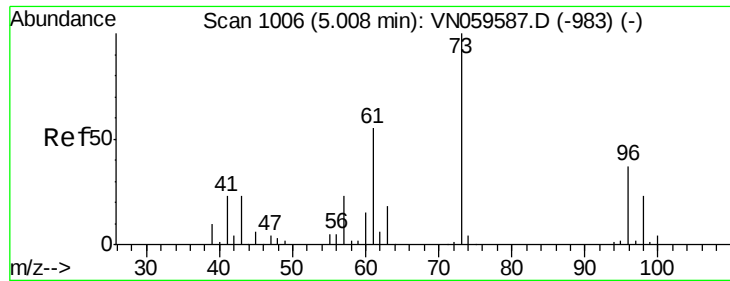
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#20
Methylene Chloride
Concen: 4.990 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion: 84 Resp: 17014
Ion Ratio Lower Upper
84 100
49 138.4 106.6 160.0
51 39.7 31.9 47.9
86 66.2 50.8 76.2





#21

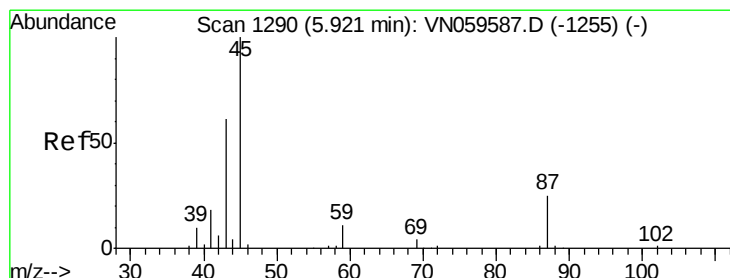
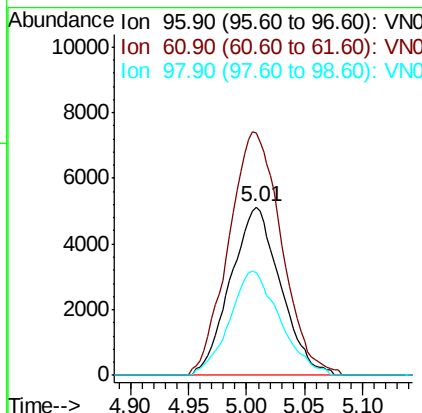
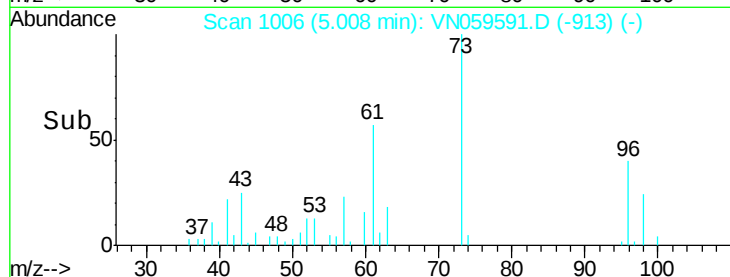
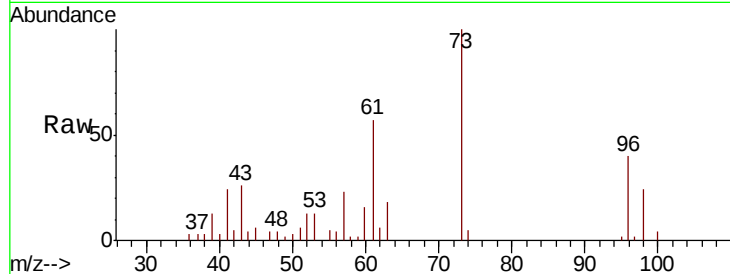
trans-1,2-Dichloroethene
Concen: 5.340 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	120.4	180.6
98	60.9	50.6	75.8

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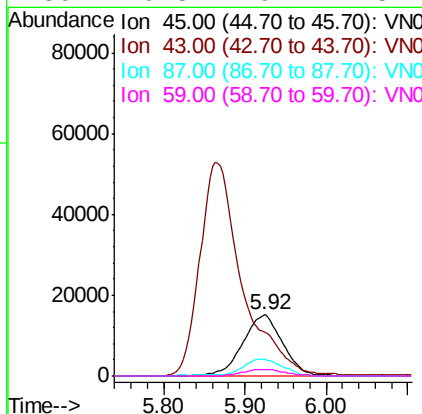
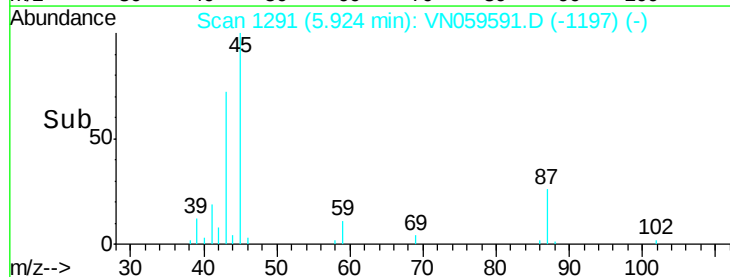
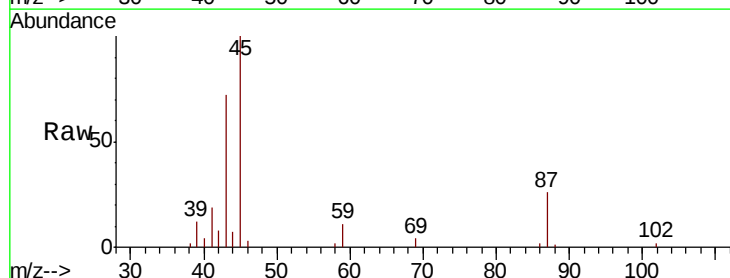
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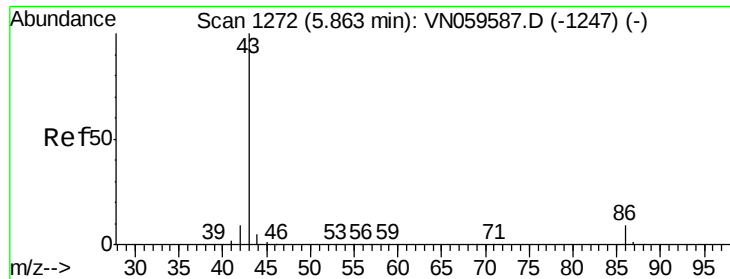


#22

Diisopropyl ether
Concen: 5.203 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.0	50.8	76.2
87	26.4	21.0	31.6
59	10.8	9.1	13.7





#23

Vinyl Acetate

Concen: 23.400 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 190339

Ion Ratio Lower Upper

43 100

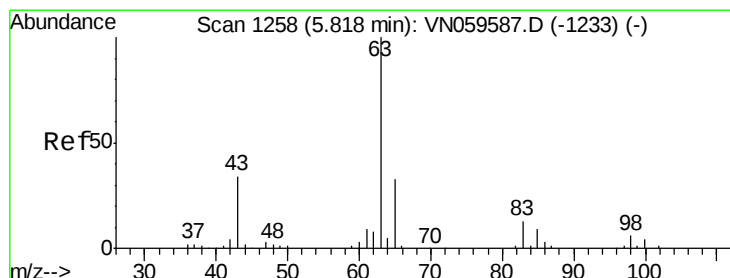
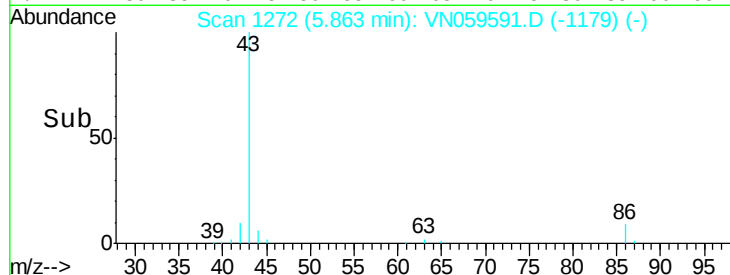
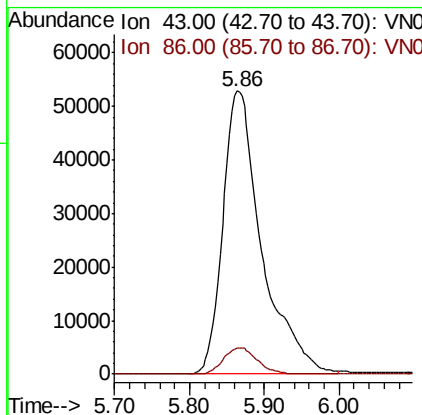
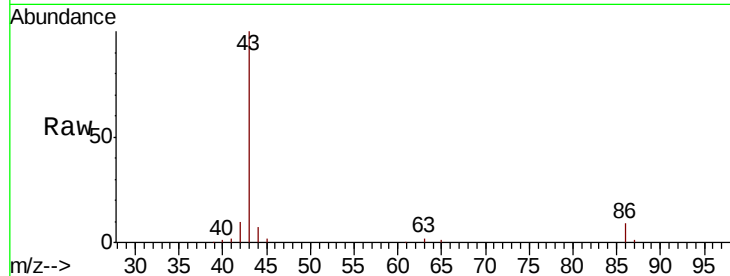
86 9.3 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 5.401 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

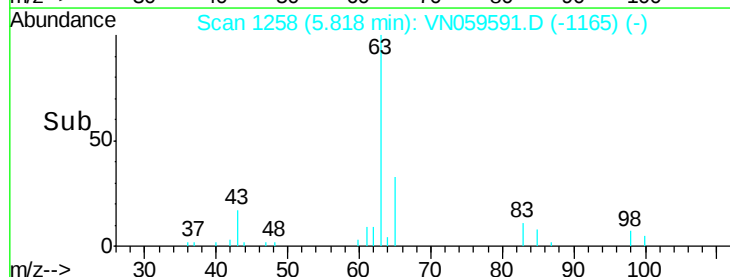
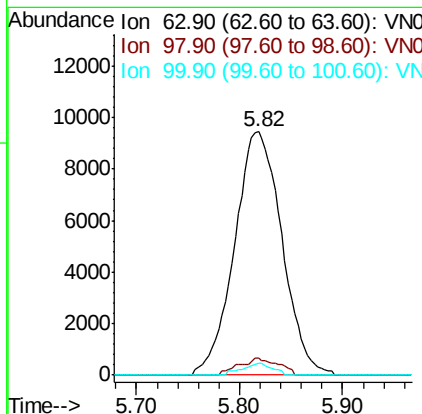
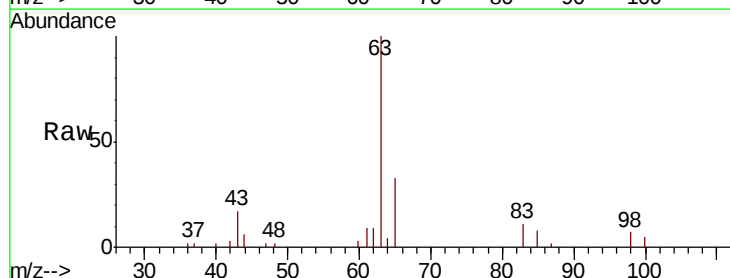
Tgt Ion: 63 Resp: 30148

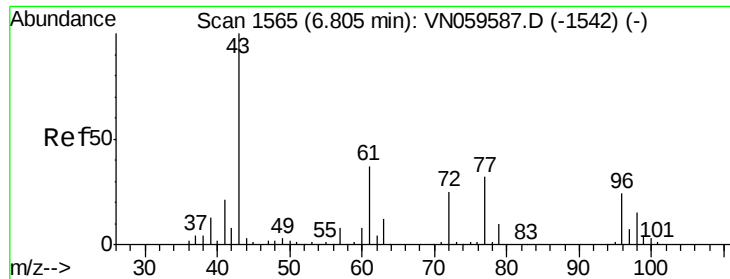
Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 28.024 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 64704

Ion Ratio Lower Upper

43 100

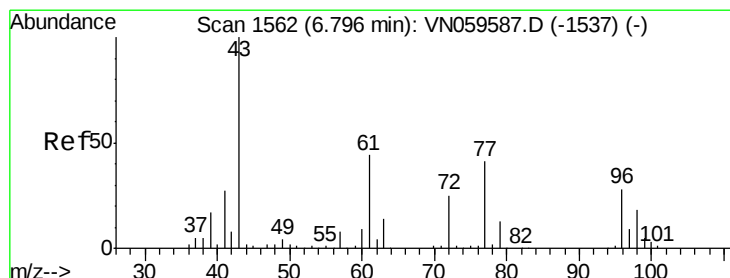
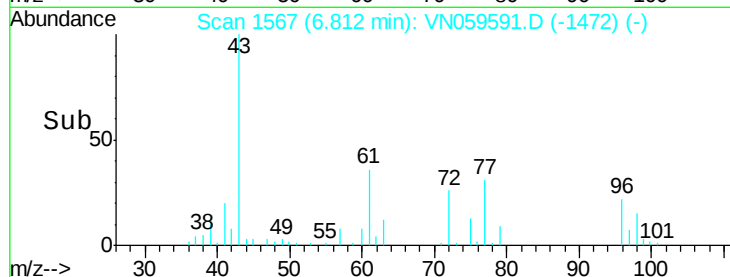
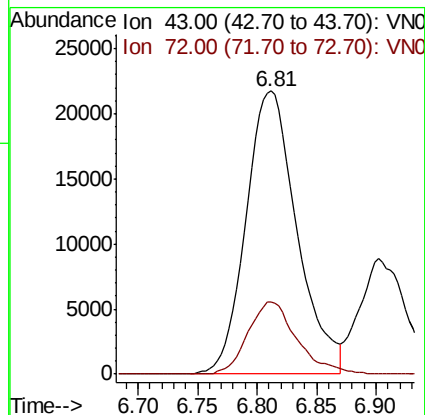
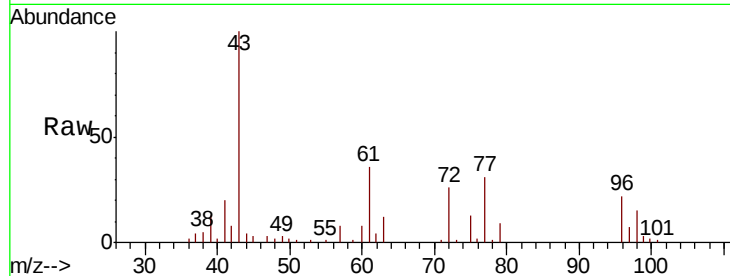
72 25.5 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 5.457 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059591.D

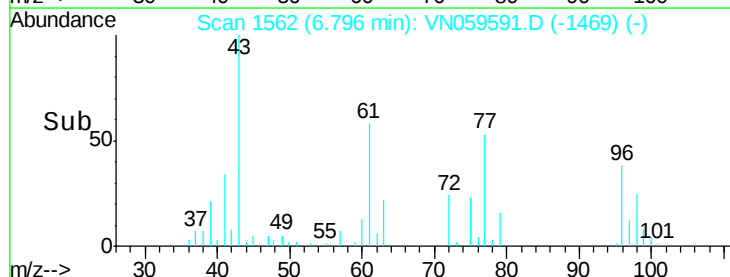
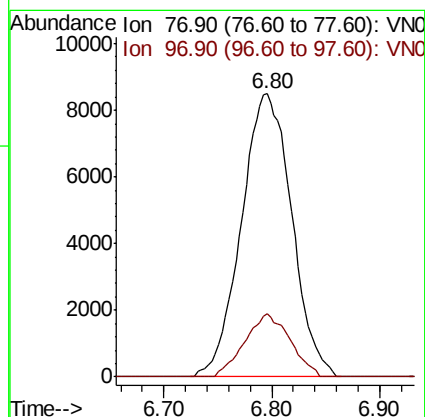
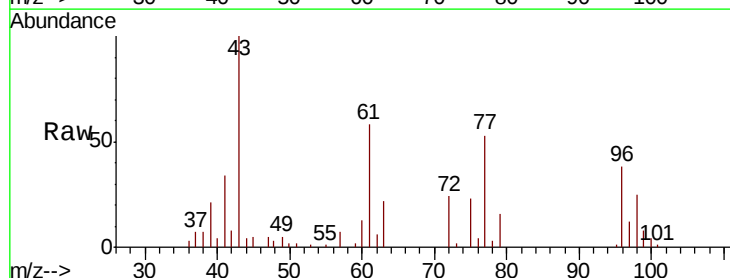
Acq: 13 Dec 2019 18:12

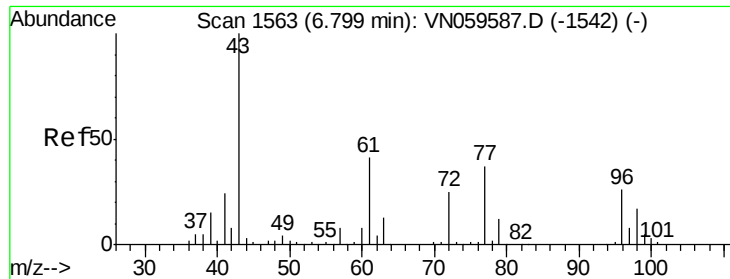
Tgt Ion: 77 Resp: 27540

Ion Ratio Lower Upper

77 100

97 20.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 5.371 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

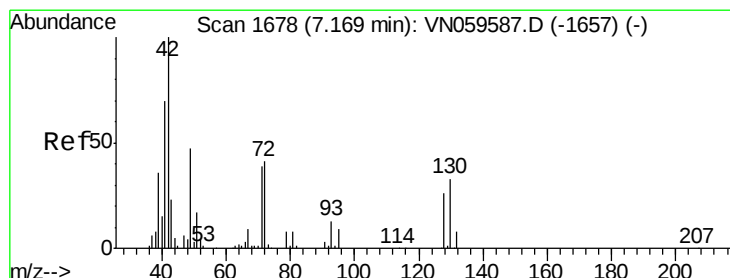
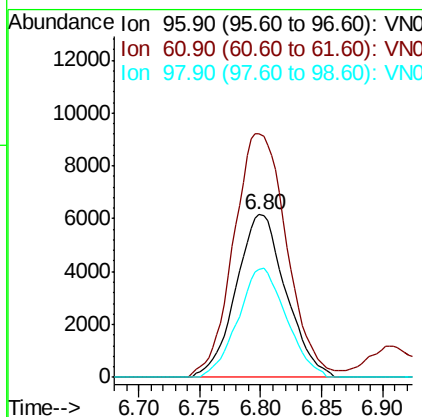
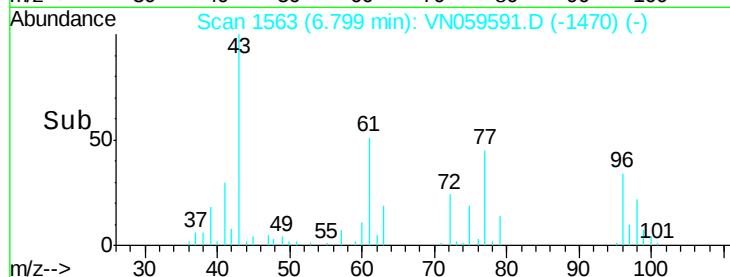
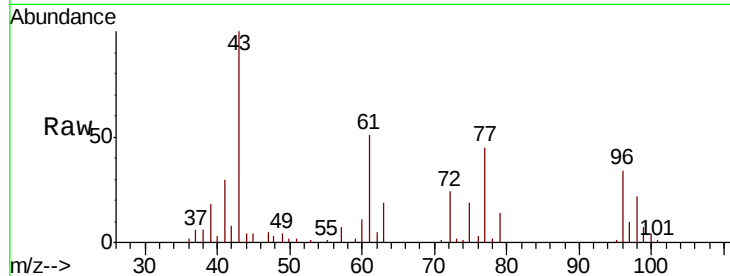
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	17411
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	317.6
98	65.1	0.0	127.0

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#28

Bromochloromethane

Concen: 3.198 ug/l

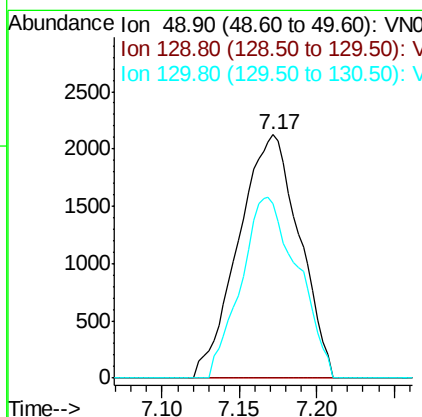
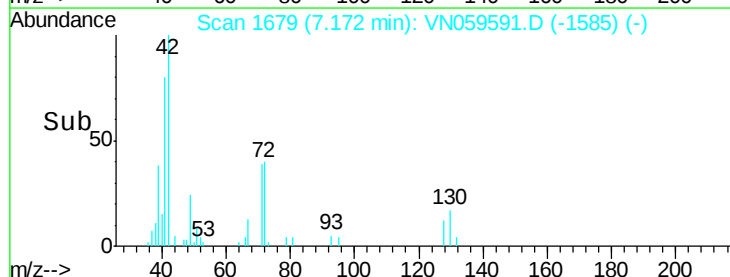
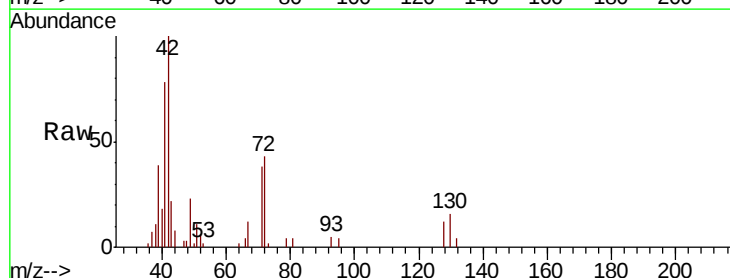
RT: 7.17 min Scan# 1679

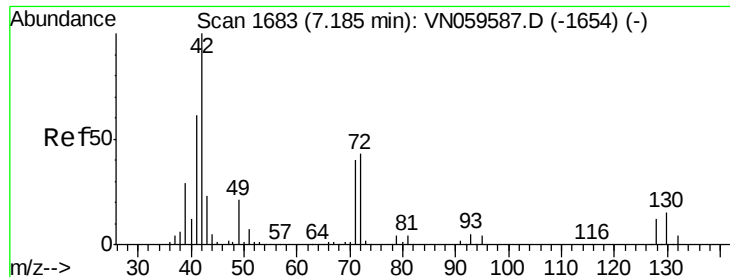
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	49	Resp:	5814
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	69.6	54.7	82.1





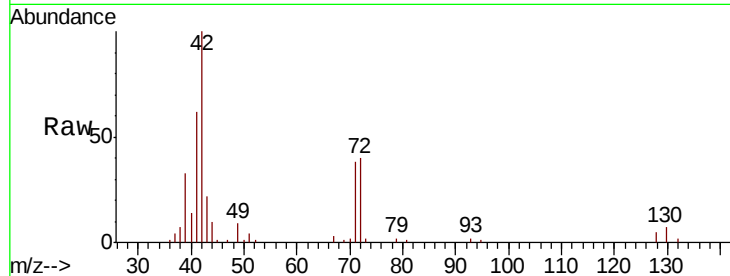
#29
Tetrahydrofuran
Concen: 25.718 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

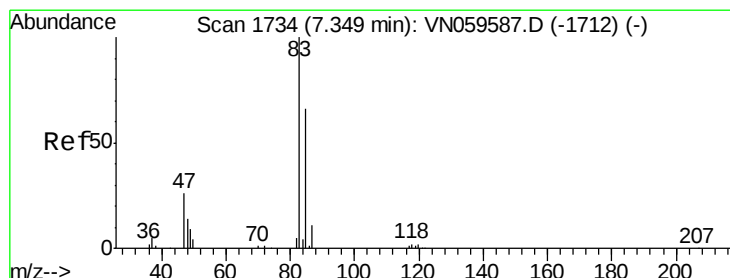
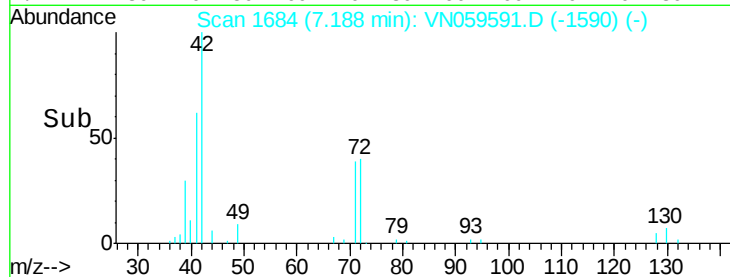
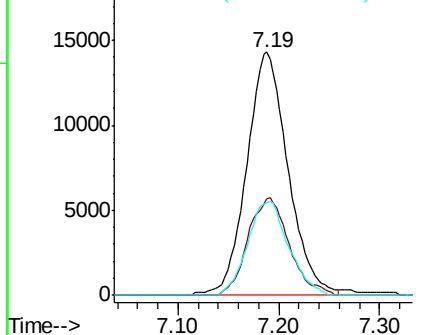
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.1	49.7
71	38.4	31.4	47.0

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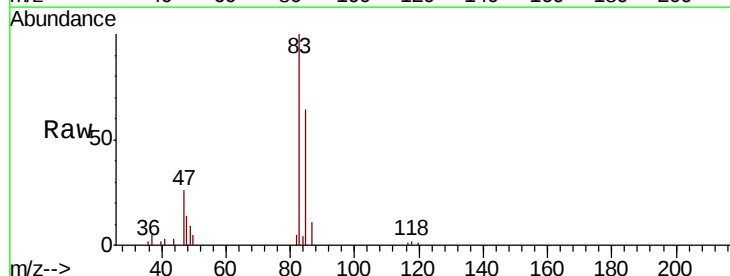


Abundance Ion 42.00 (41.70 to 42.70): VN059591.D (-1590) (-)
Ion 72.00 (71.70 to 72.70): VN059591.D (-1590) (-)
Ion 71.00 (70.70 to 71.70): VN059591.D (-1590) (-)

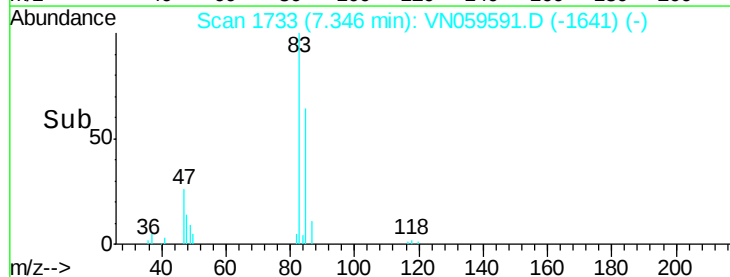
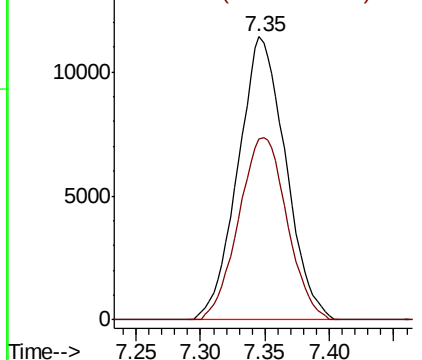


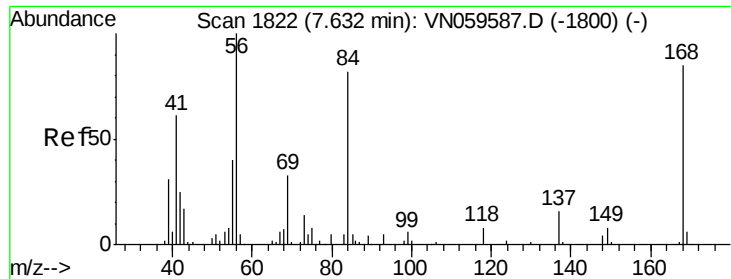
#30
Chloroform
Concen: 5.339 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VN059591.D (-1641) (-)
Ion 84.90 (84.60 to 85.60): VN059591.D (-1641) (-)





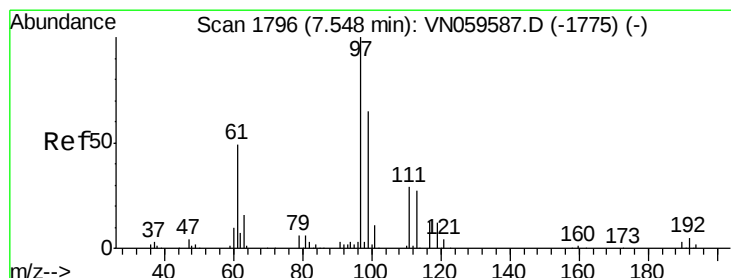
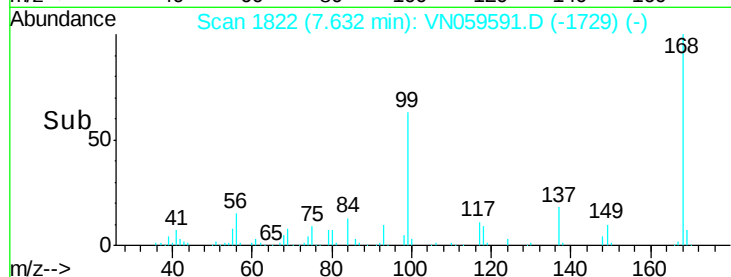
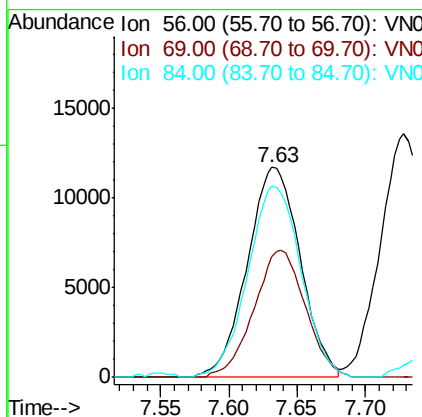
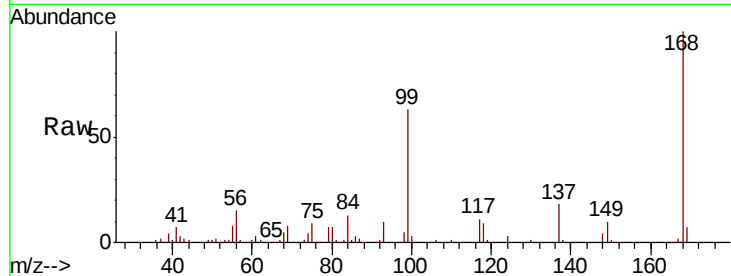
#31
Cyclohexane
Concen: 5.831 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	57.5	26.5	39.7#
84	91.3	65.3	97.9

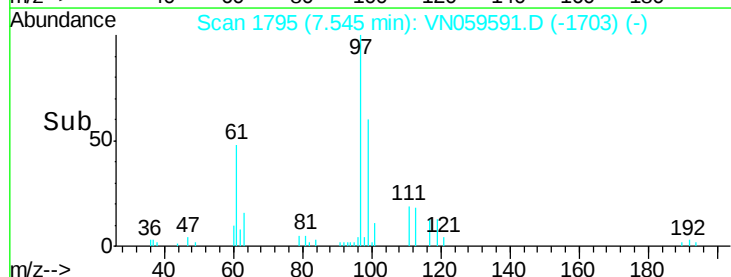
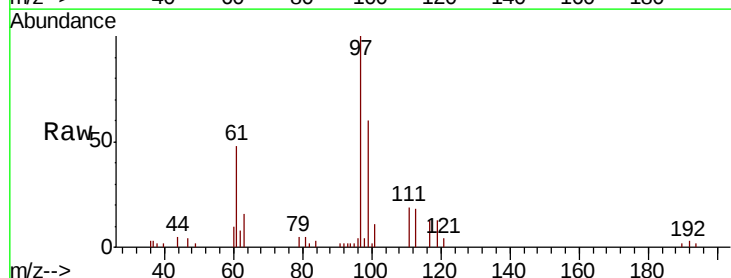
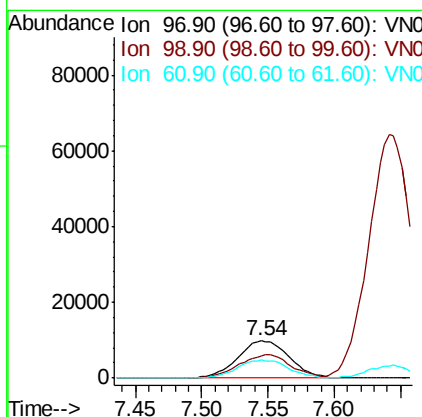
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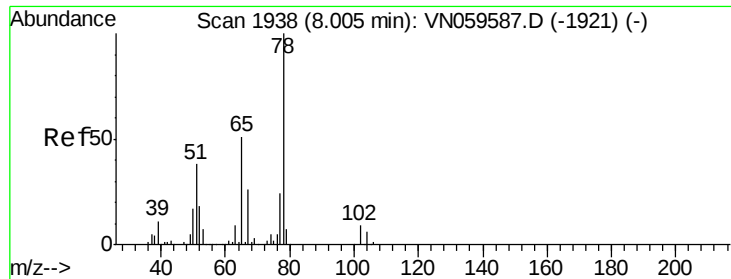
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#32
1,1,1-Trichloroethane
Concen: 5.409 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.0	76.4
61	48.7	38.5	57.7





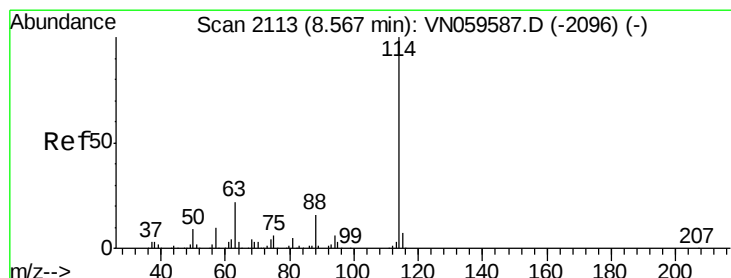
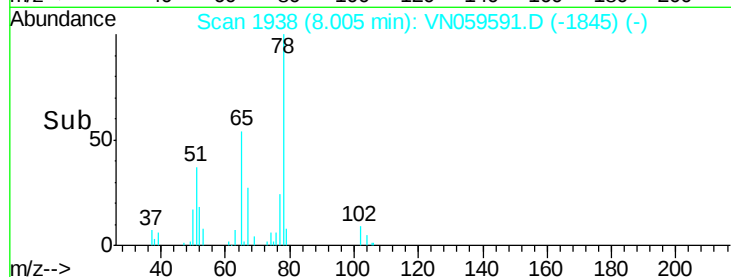
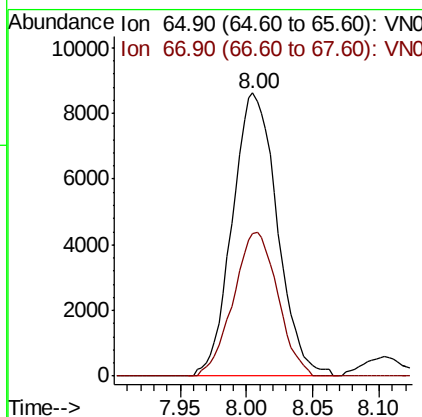
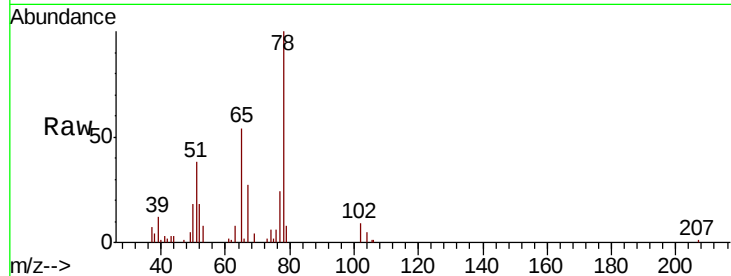
#33
 1,2-Dichloroethane-d4
 Concen: 5.601 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	20282		
67	50.1		0.0	103.0

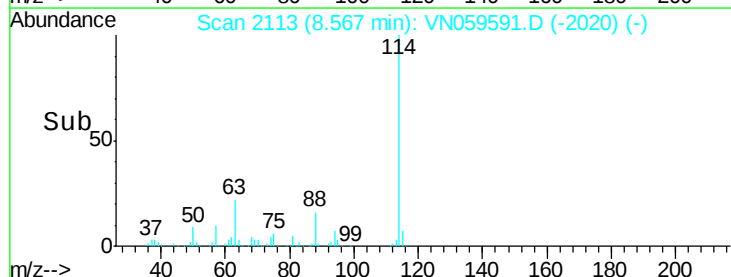
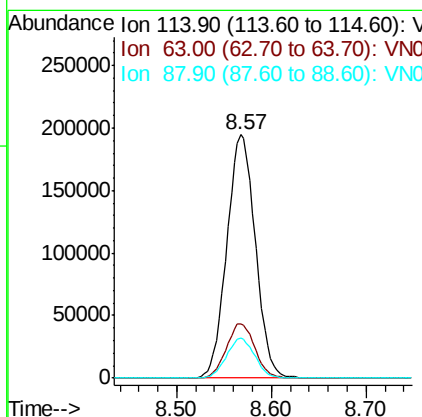
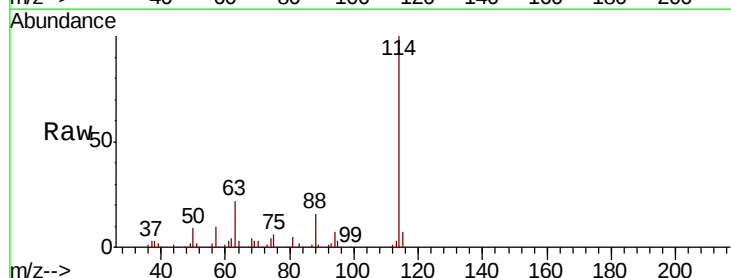
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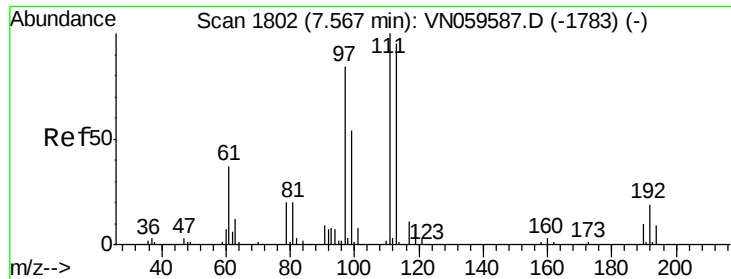
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	408213		
63	22.4		0.0	43.6
88	16.3		0.0	31.4





#35

Dibromofluoromethane

Concen: 5.418 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

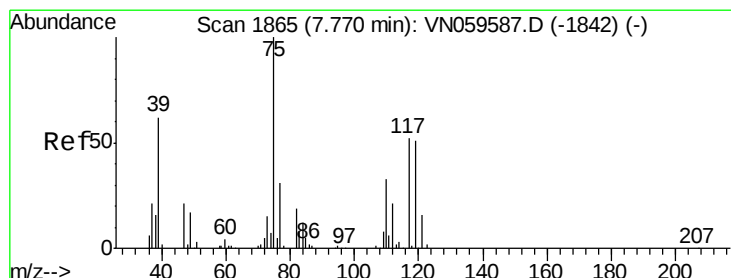
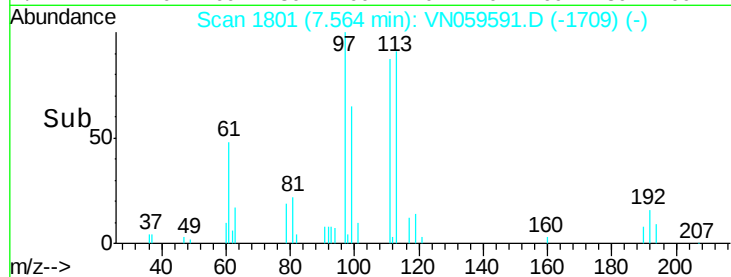
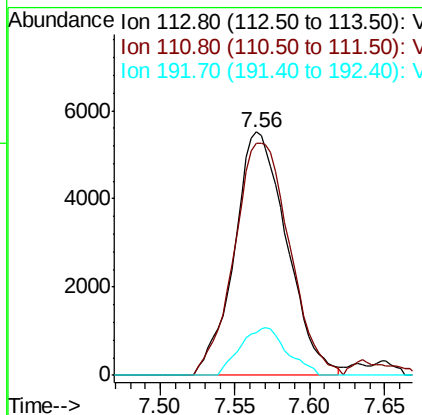
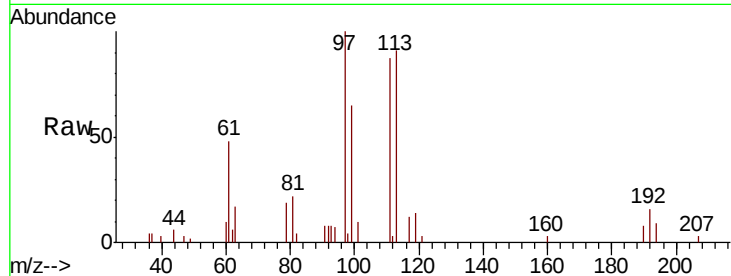
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	13430
Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.5	125.3
192	17.5	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 5.214 ug/l

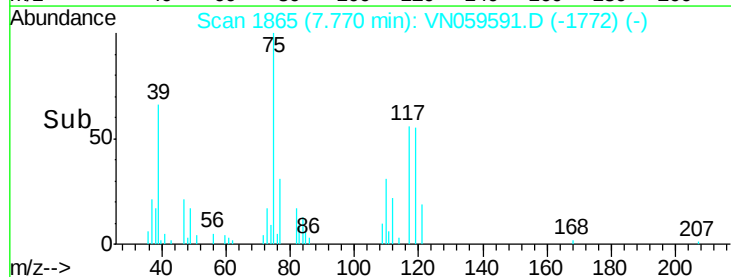
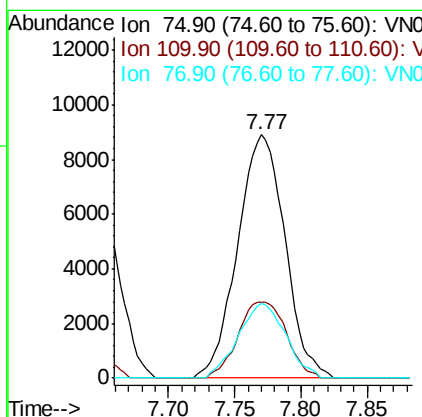
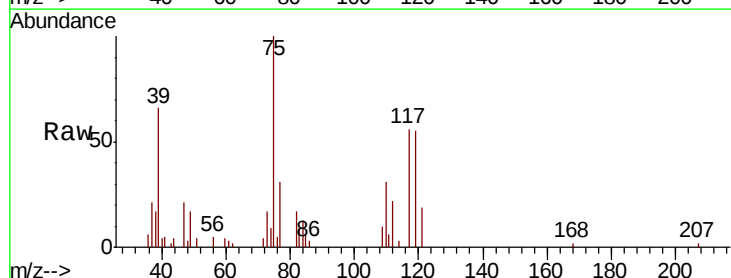
RT: 7.77 min Scan# 1865

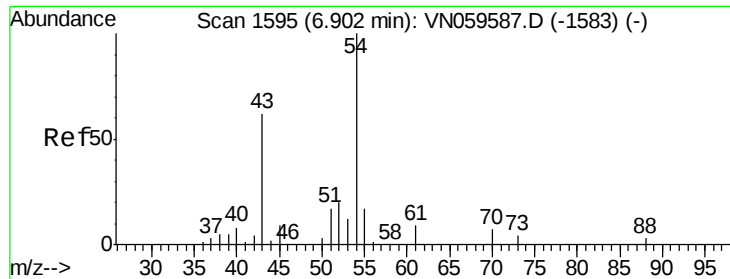
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	75	Resp:	22174
Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.6	49.7
77	30.6	25.1	37.7





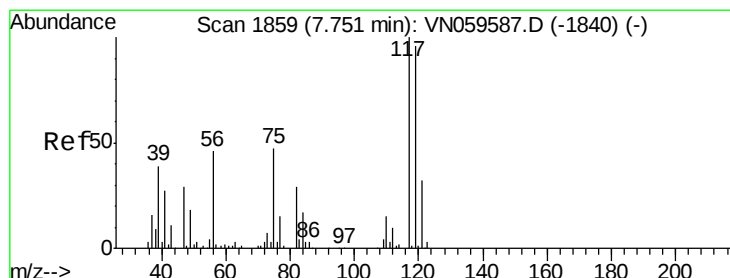
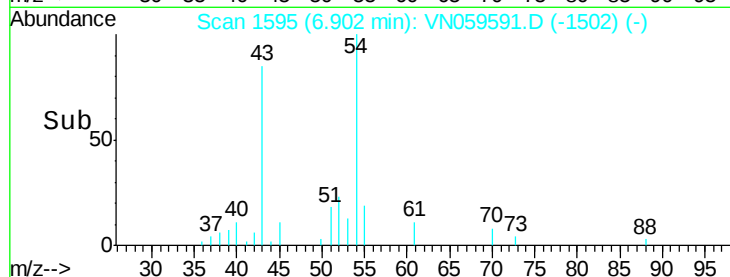
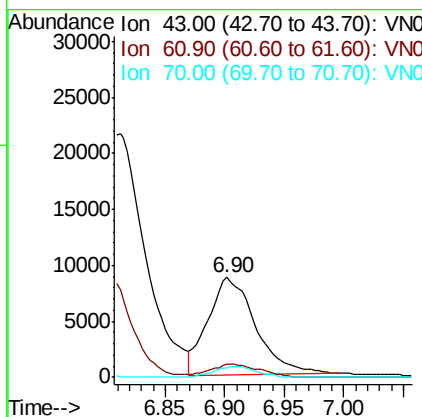
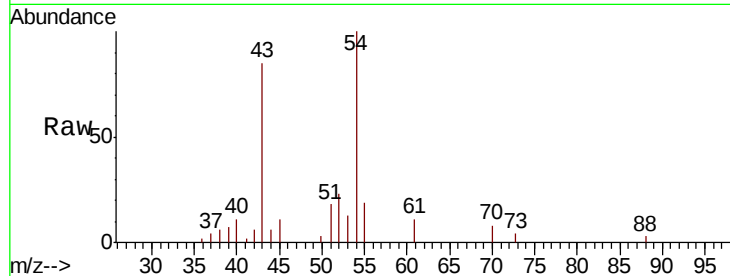
#37
Ethyl Acetate
Concen: 5.460 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	9.9	7.7	11.5

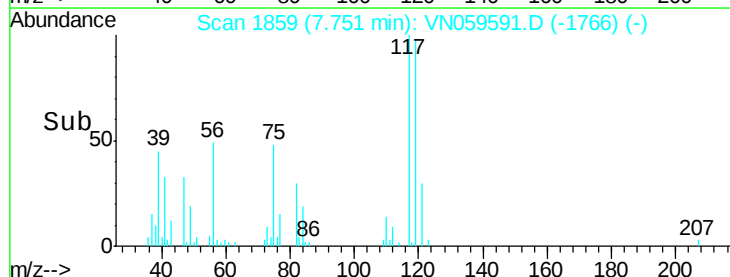
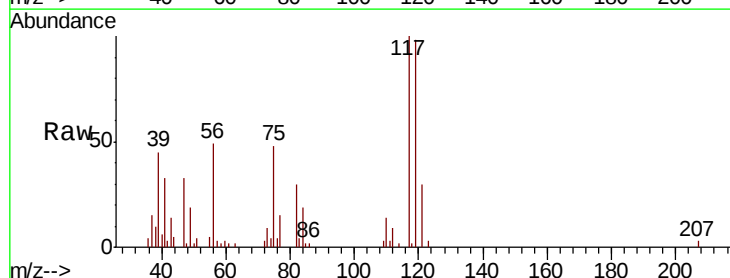
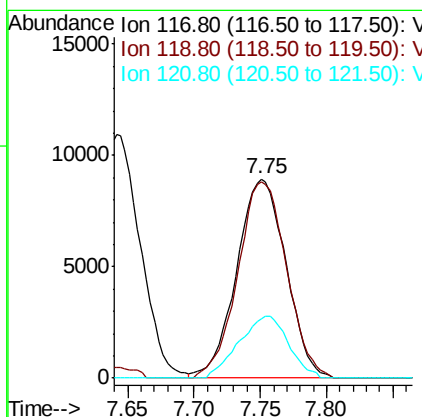
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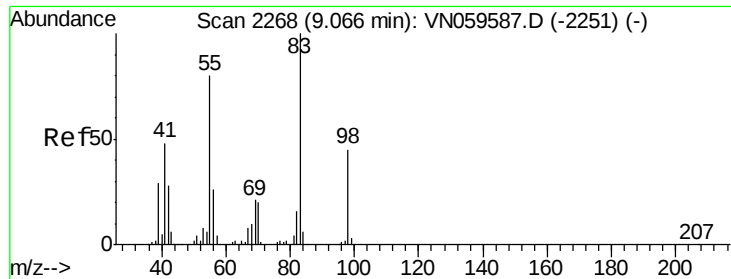
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#38
Carbon Tetrachloride
Concen: 5.495 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.5	114.7
121	30.1	25.1	37.7





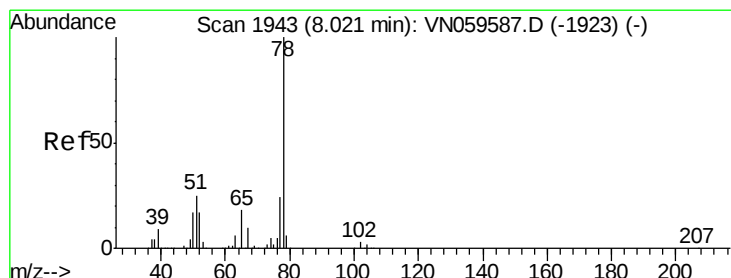
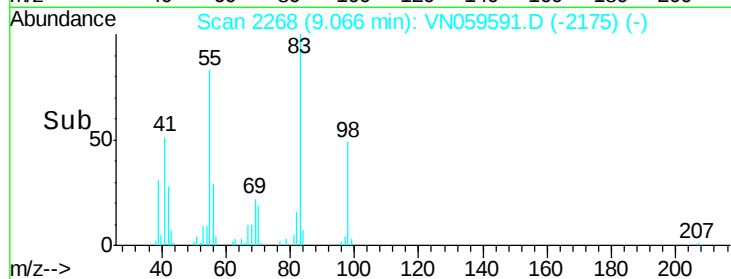
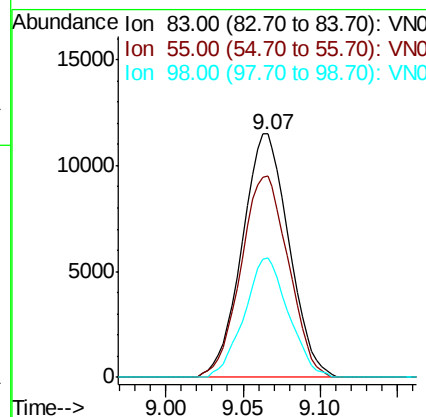
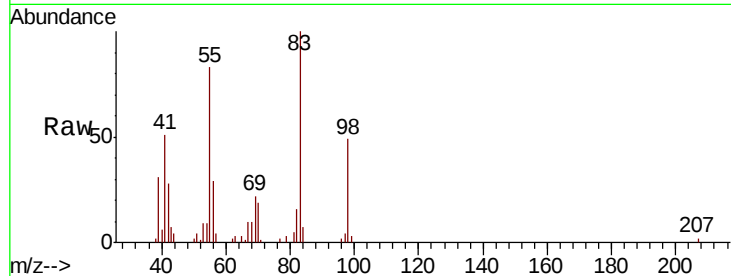
#39
Methvlcvclohexane
Concen: 5.079 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.2	96.2
98	48.9	35.9	53.9

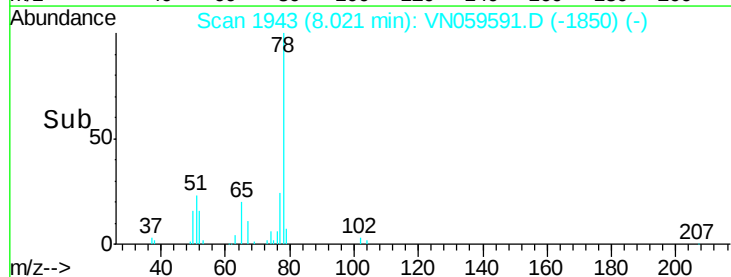
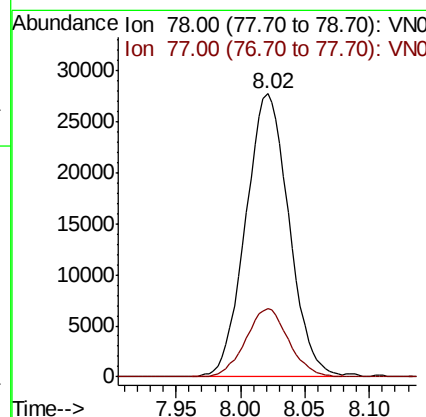
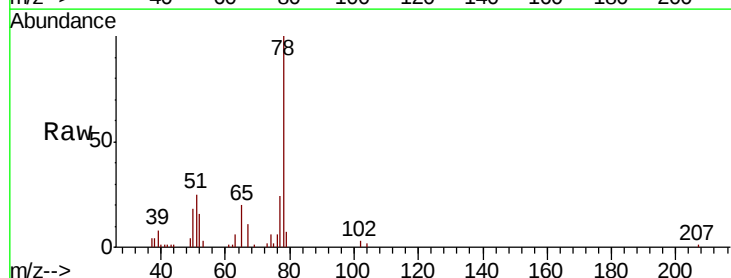
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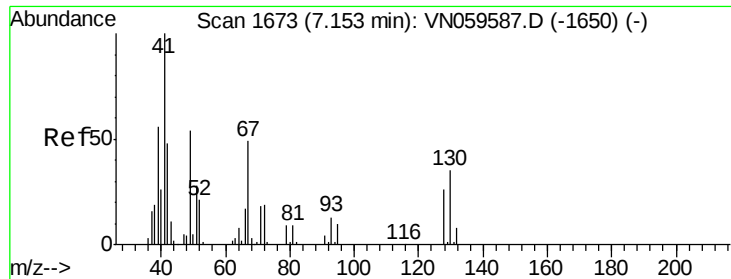
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#40
Benzene
Concen: 5.326 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





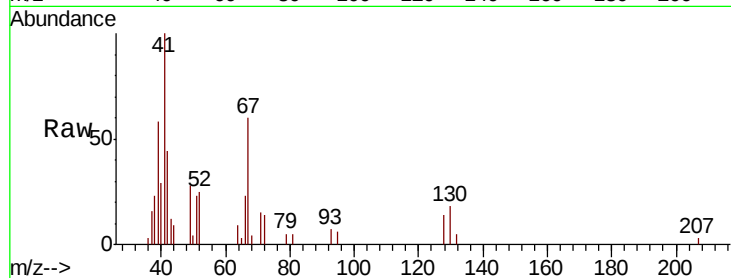
#41
Methacrylonitrile
Concen: 4.593 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

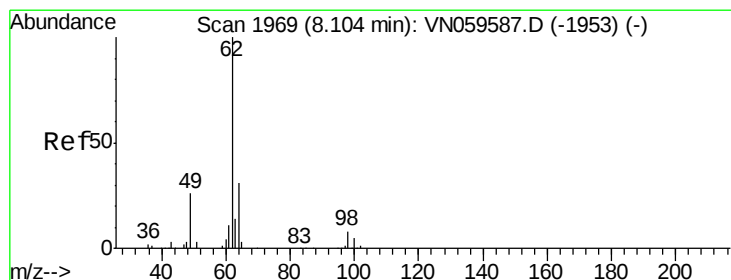
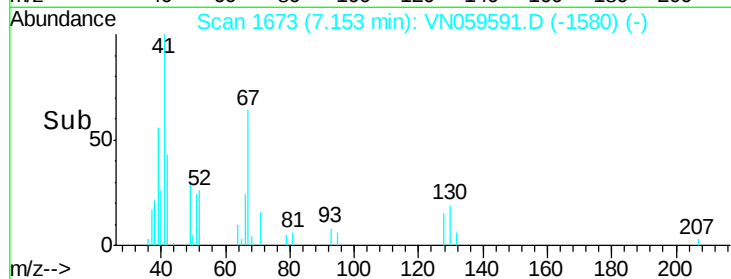
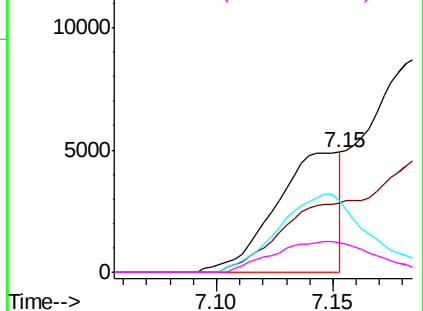
Tot Ion:	41	Resp:	9380
Ion	Ratio	Lower	Upper
41	100		
39	208.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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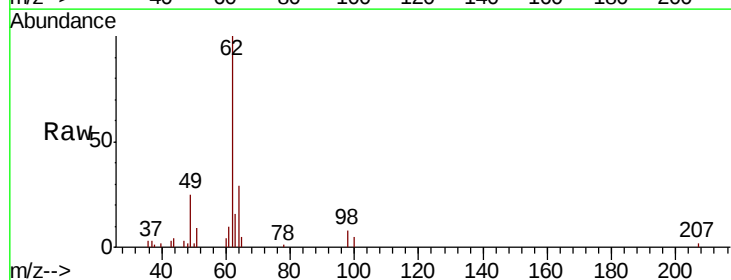


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

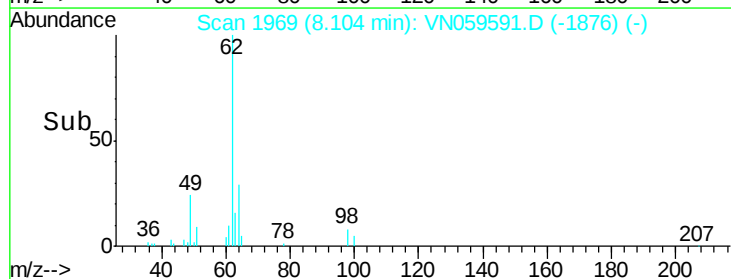
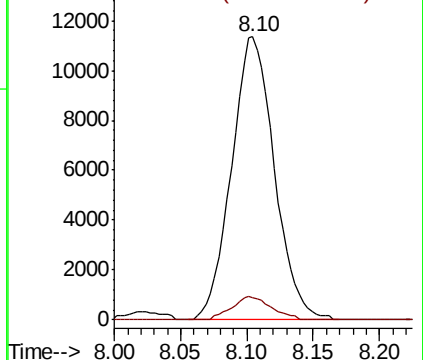


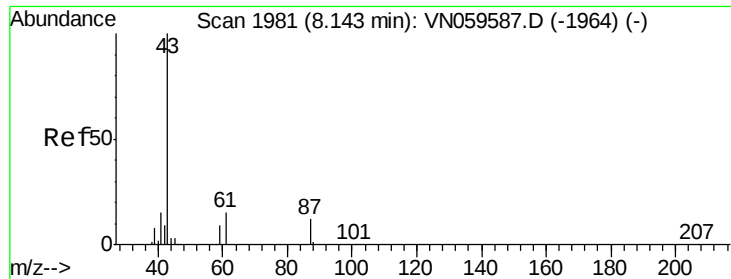
#42
1,2-Dichloroethane
Concen: 5.613 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion:	62	Resp:	25512
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 5.202 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

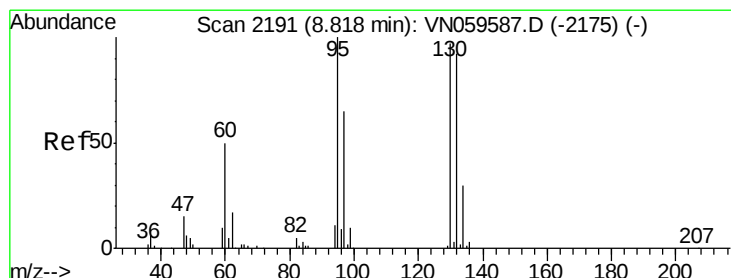
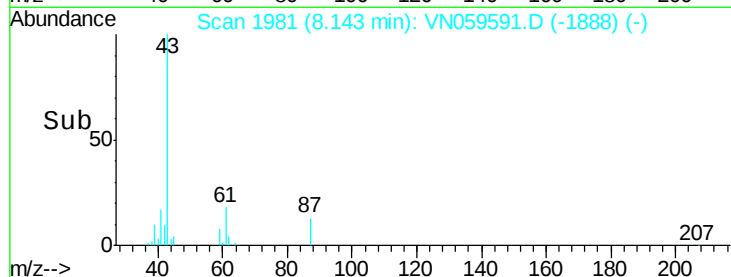
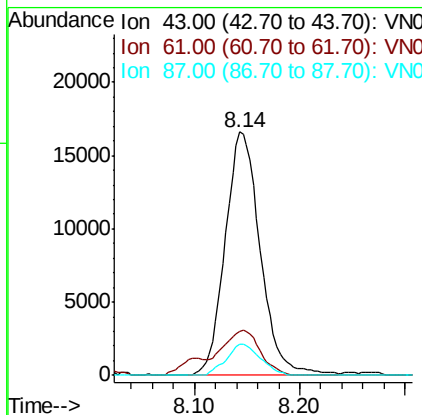
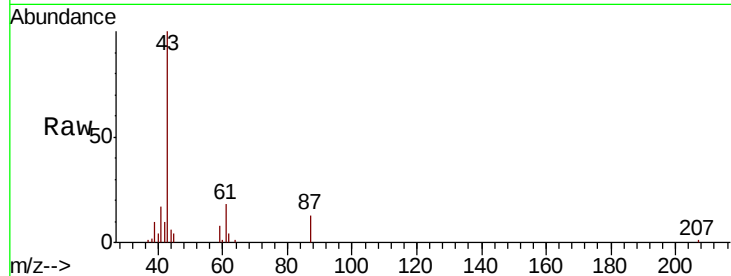
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	38336
Ion	Ratio	Lower	Upper
43	100		
61	19.7	20.2	30.2#
87	12.4	9.5	14.3

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#44

Trichloroethene

Concen: 5.559 ug/l

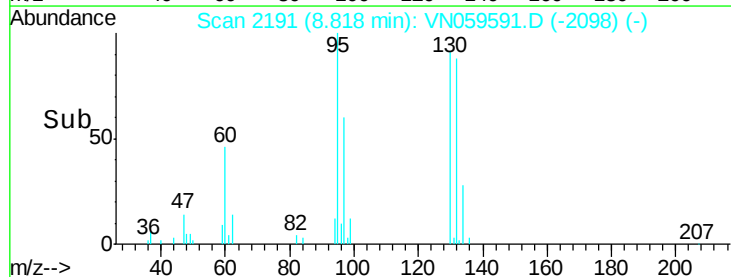
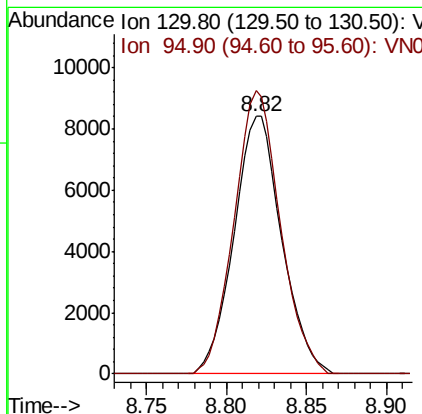
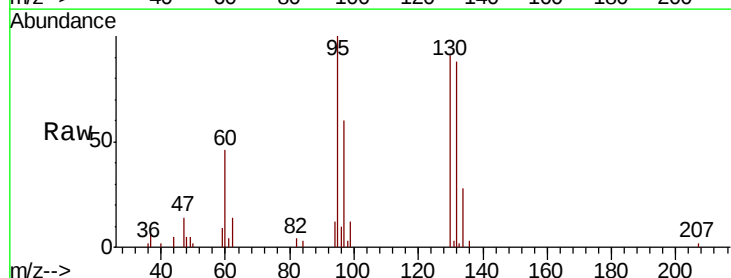
RT: 8.82 min Scan# 2191

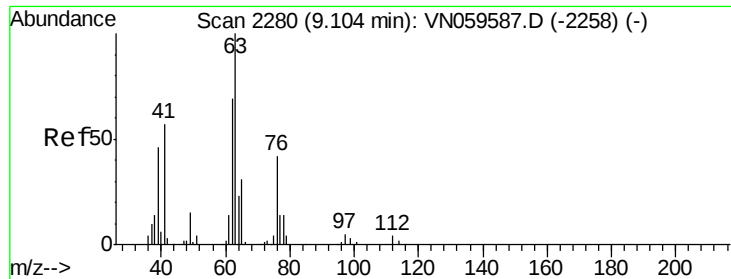
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	130	Resp:	17152
Ion	Ratio	Lower	Upper
130	100		
95	109.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 5.386 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 17362

Ion Ratio Lower Upper

63 100

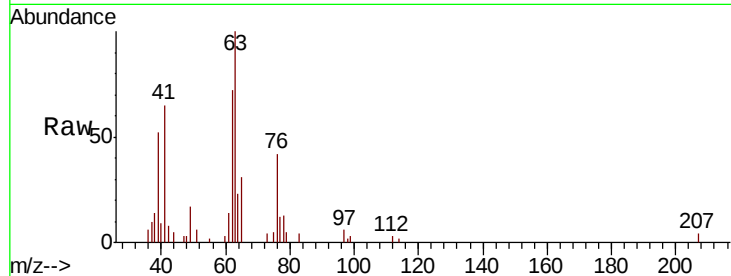
65 31.2 24.9 37.3

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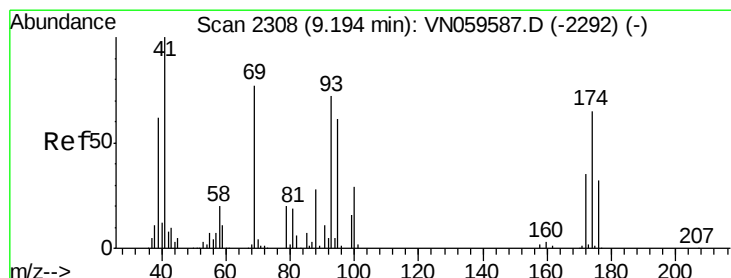
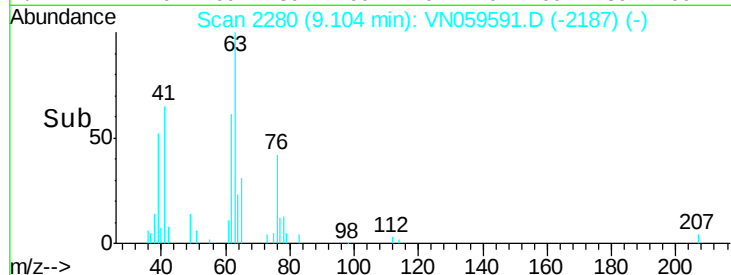
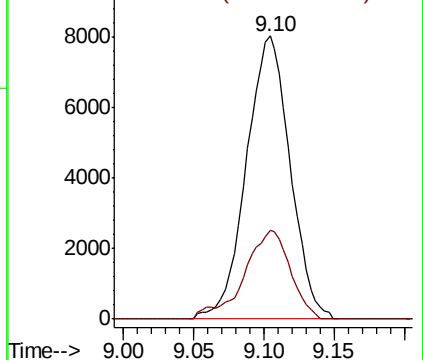
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.407 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

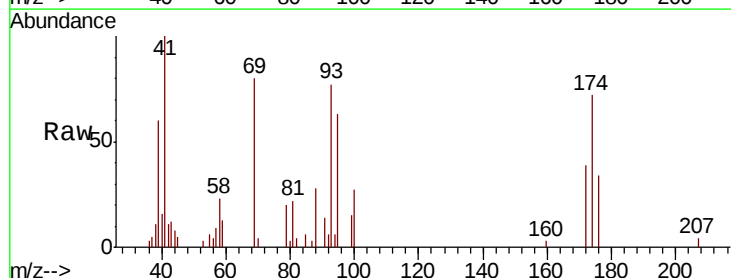
Tgt Ion: 93 Resp: 11549

Ion Ratio Lower Upper

93 100

95 80.7 67.0 100.6

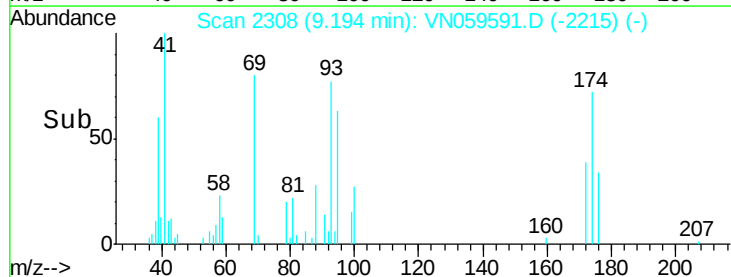
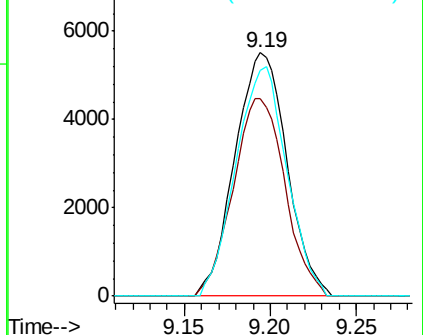
174 92.2 73.4 110.2

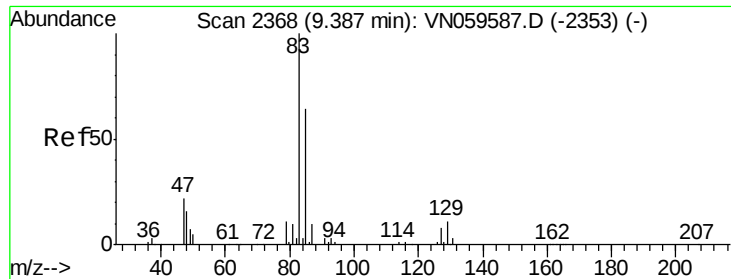


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.376 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

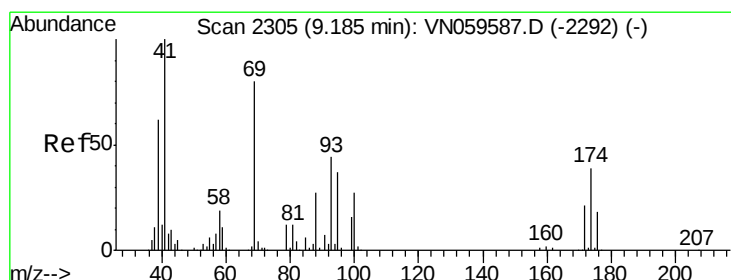
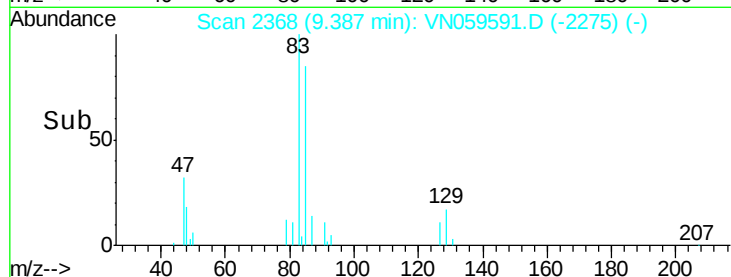
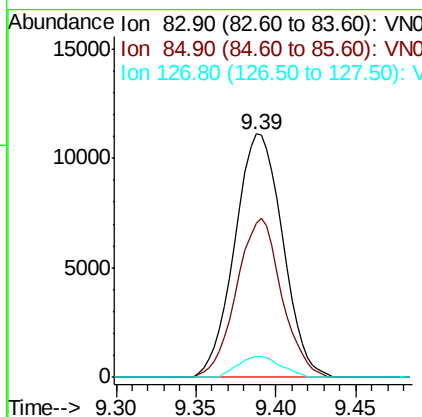
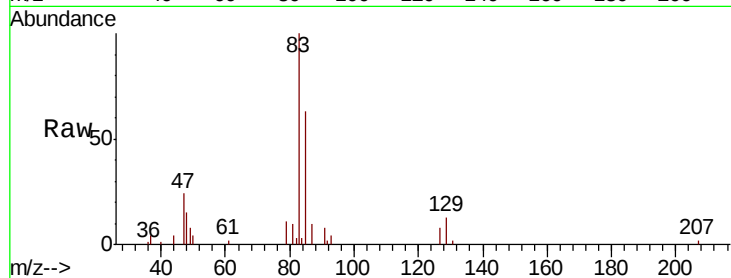
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	22778
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	8.5	6.6	9.8

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#48

Methyl methacrylate

Concen: 5.157 ug/l

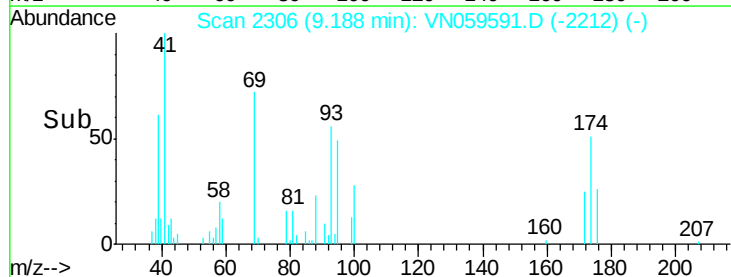
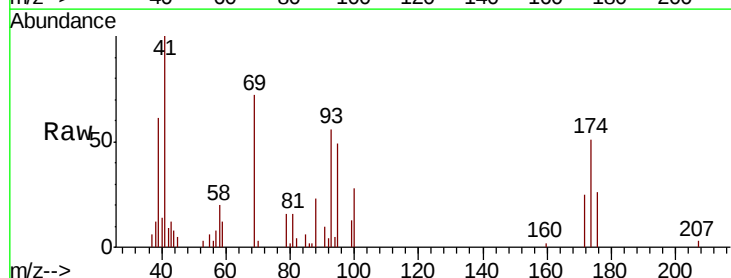
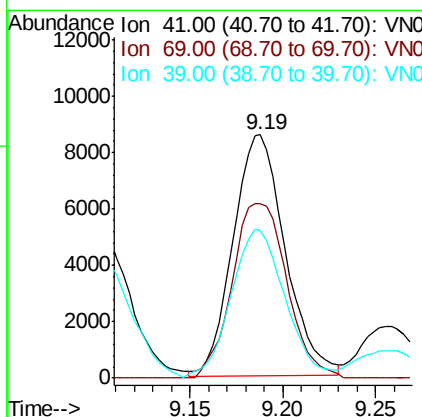
RT: 9.19 min Scan# 2306

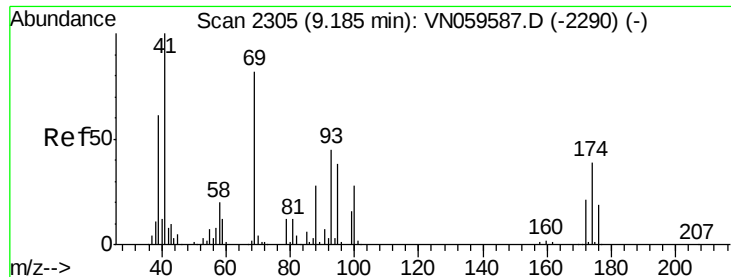
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	41	Resp:	16683
Ion	Ratio	Lower	Upper
41	100		
69	76.6	64.4	96.6
39	64.3	51.3	76.9





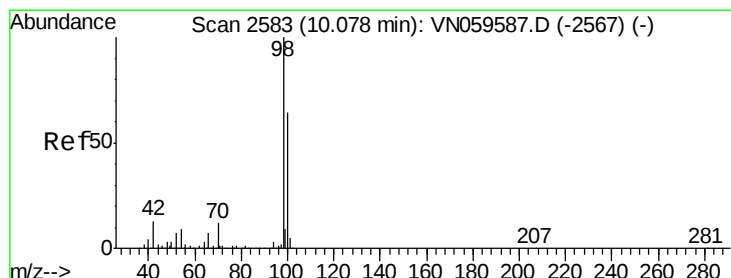
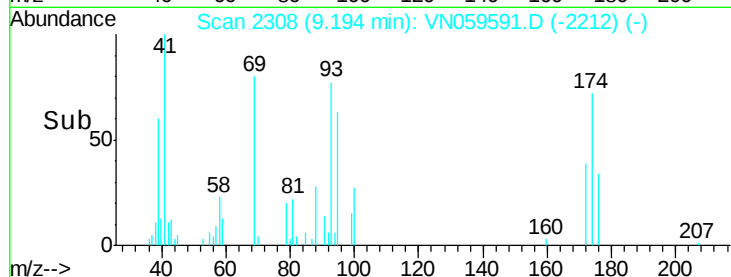
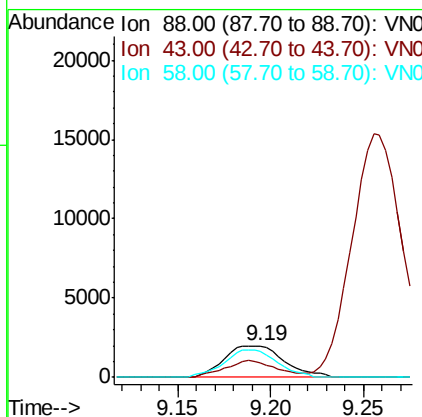
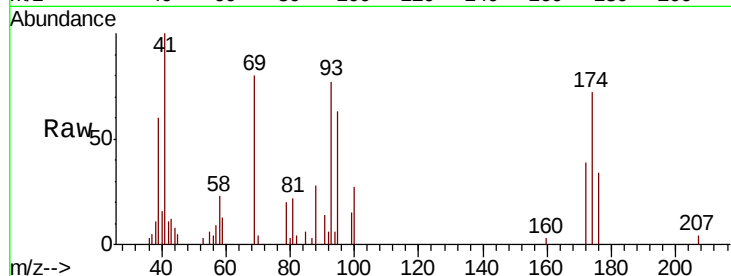
#49
1,4-Dioxane
Concen: 102.607 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	4440
Ion	Ratio	Lower	Upper
88	100		
43	45.0	29.7	44.5#
58	78.0	56.6	85.0

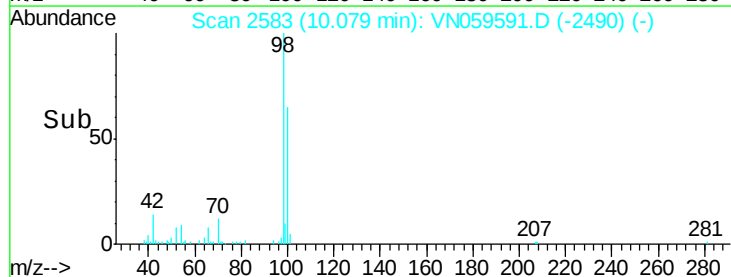
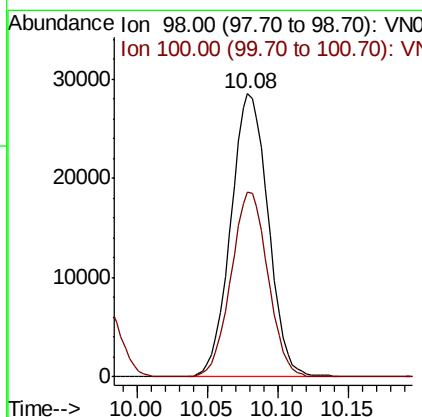
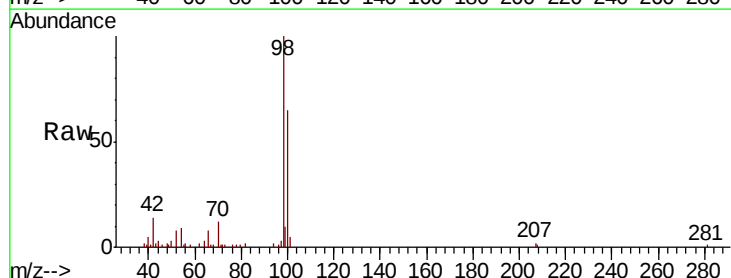
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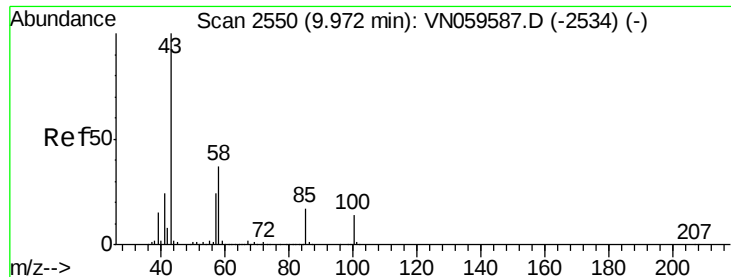
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#50
Toluene-d8
Concen: 5.198 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	98	Resp	52977
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 26.133 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 111960

Ion Ratio Lower Upper

43 100

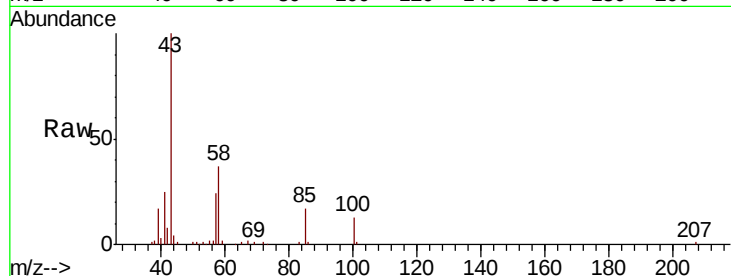
58 36.9 29.8 44.8

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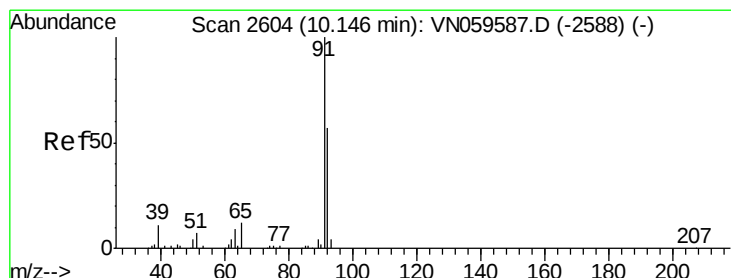
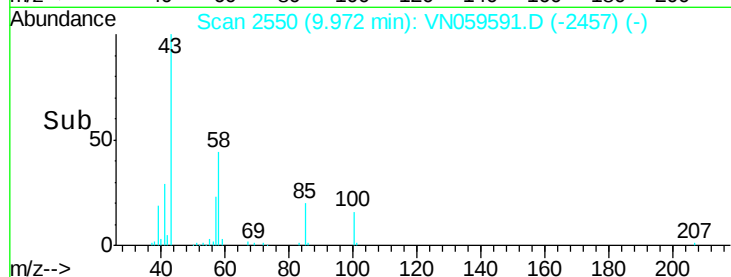
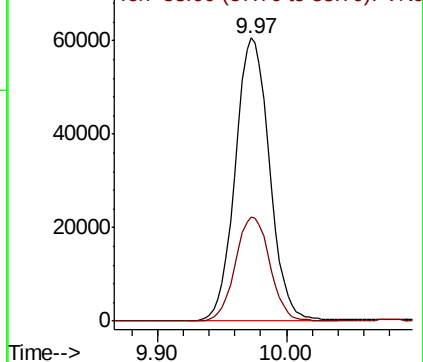
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.482 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059591.D

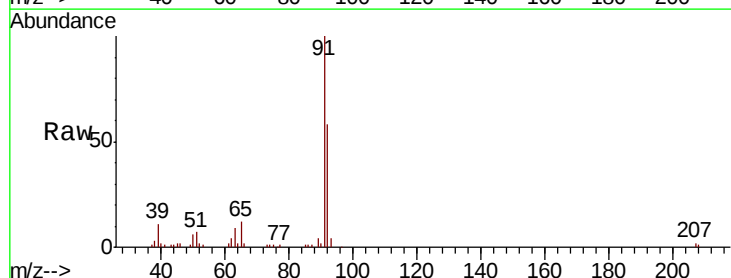
Acq: 13 Dec 2019 18:12

Tgt Ion: 92 Resp: 39827

Ion Ratio Lower Upper

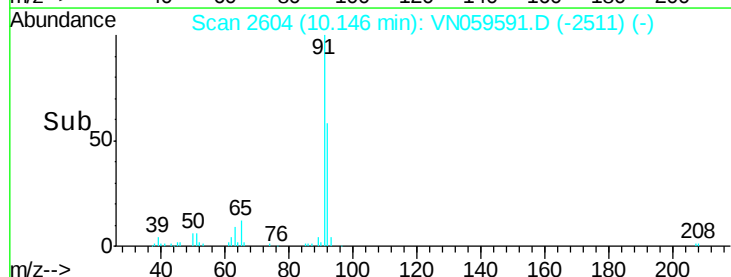
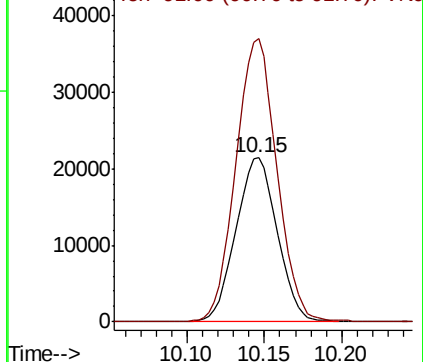
92 100

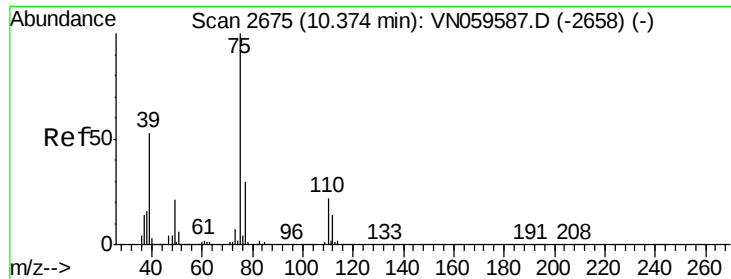
91 171.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





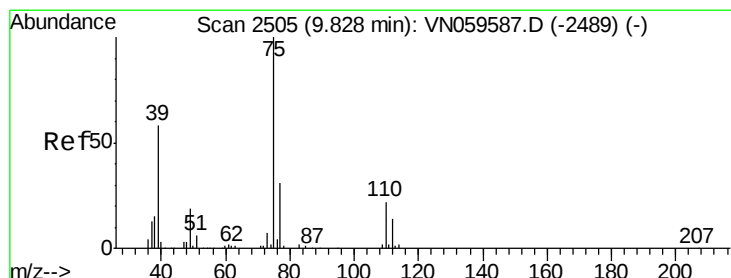
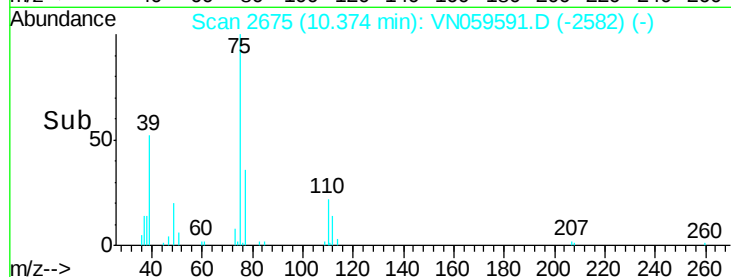
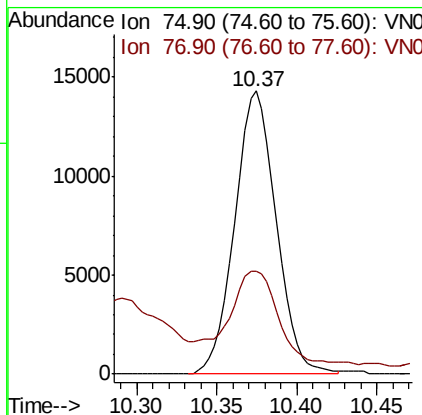
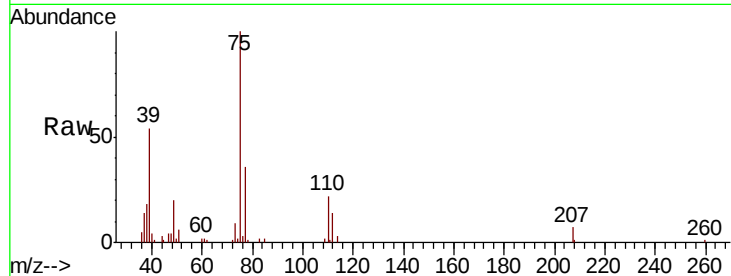
#53
t-1,3-Dichloropropene
Concen: 5.119 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

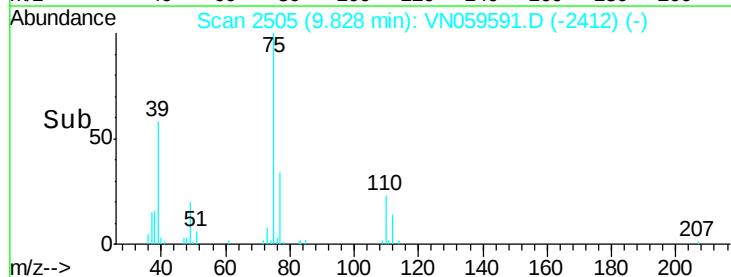
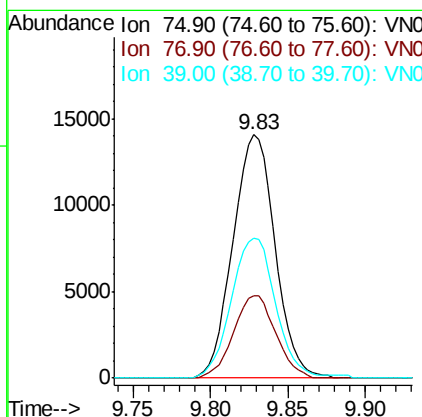
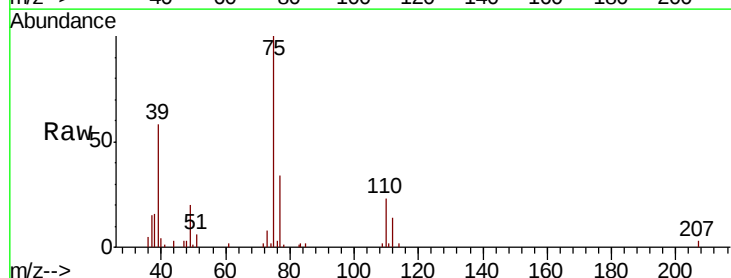
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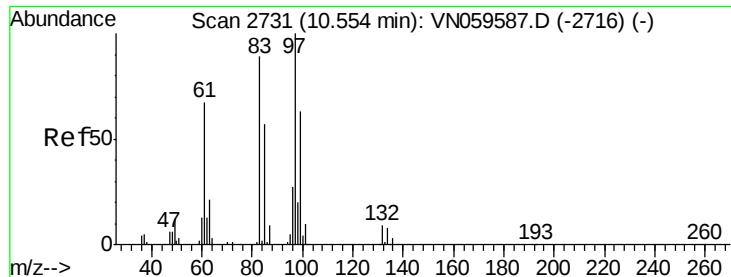
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#54
cis-1,3-Dichloropropene
Concen: 5.262 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.1	37.7
39	57.6	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 5.175 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

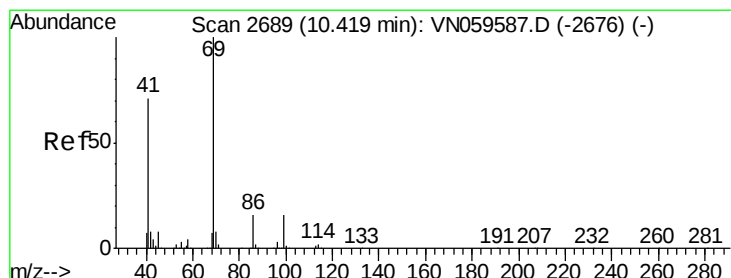
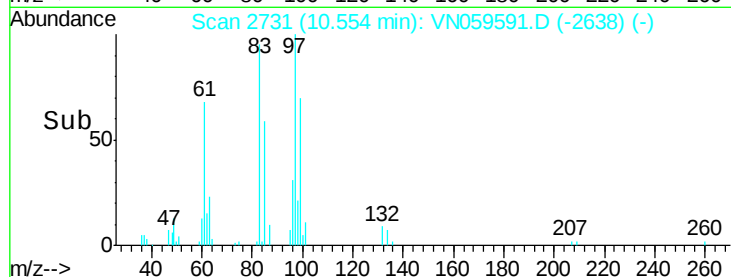
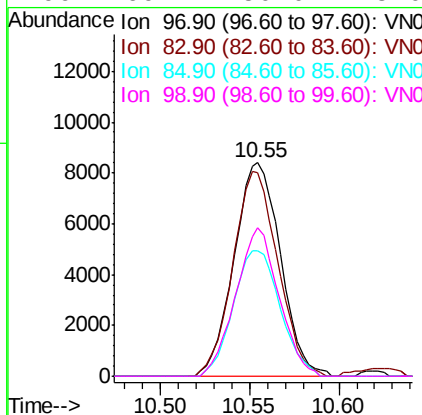
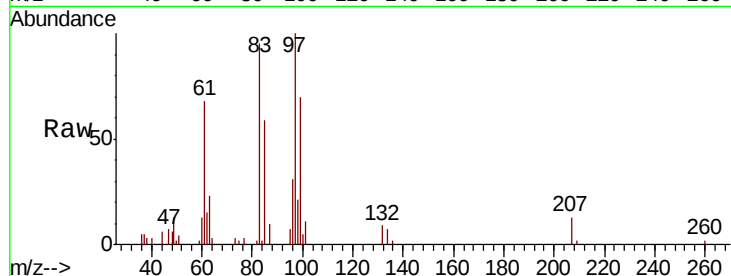
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	15209
Ion	Ratio	Lower	Upper
97	100		
83	95.2	71.3	106.9
85	59.0	45.8	68.8
99	69.7	50.0	75.0

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#56

Ethyl methacrylate

Concen: 4.495 ug/l

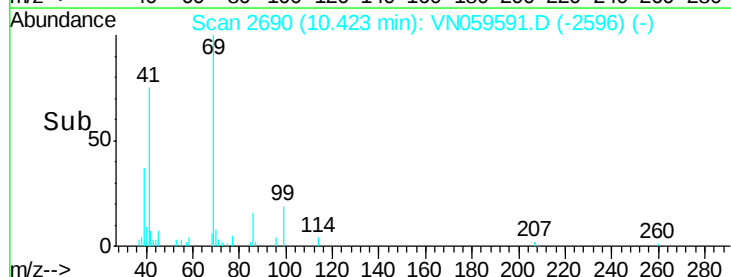
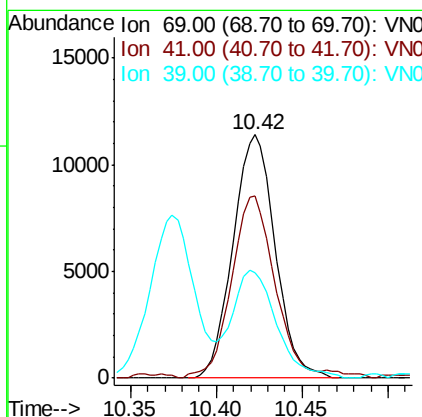
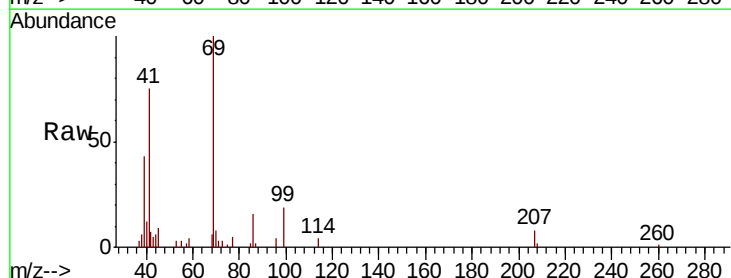
RT: 10.42 min Scan# 2690

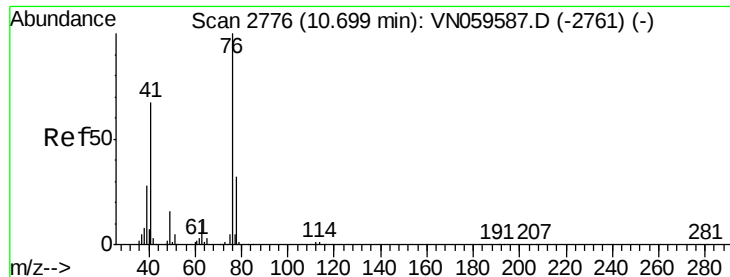
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	69	Resp:	19525
Ion	Ratio	Lower	Upper
69	100		
41	76.4	57.1	85.7
39	46.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 5.314 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26684

Ion Ratio Lower Upper

76 100

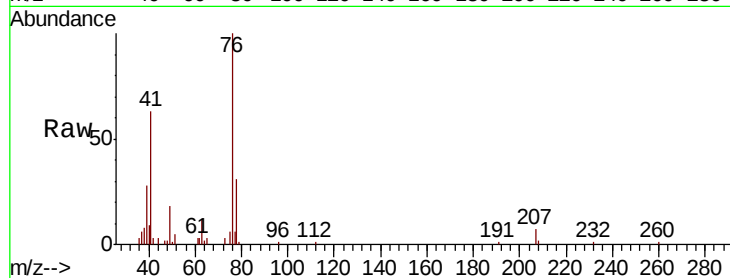
78 32.6 25.8 38.8

Manual Integrations

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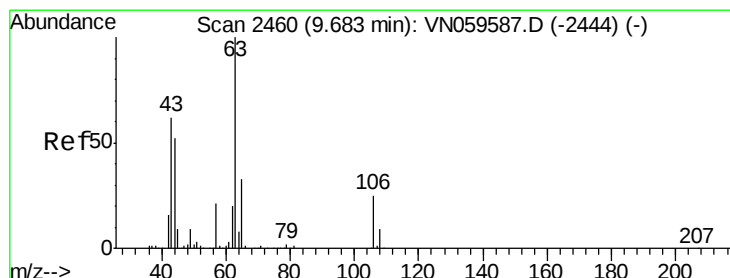
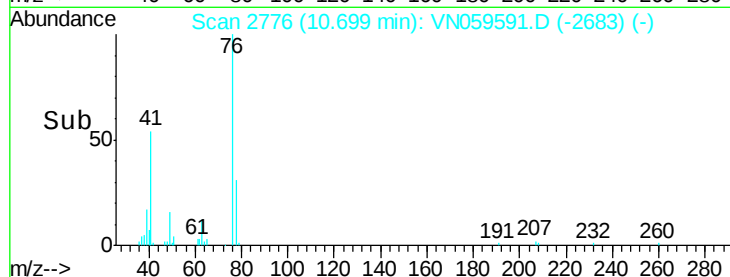
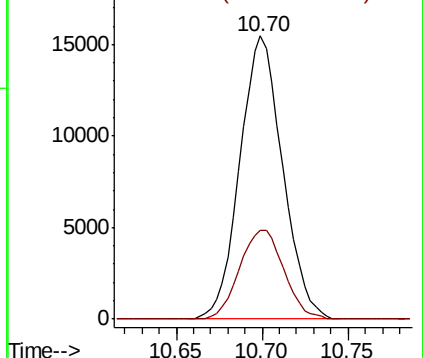
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 27.504 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059591.D

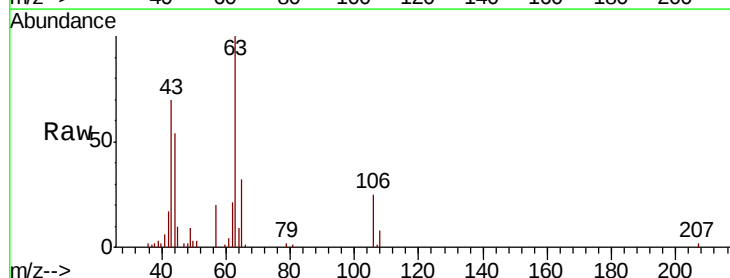
Acq: 13 Dec 2019 18:12

Tgt Ion: 63 Resp: 37833

Ion Ratio Lower Upper

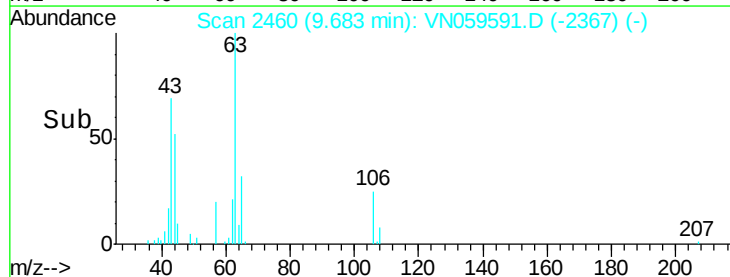
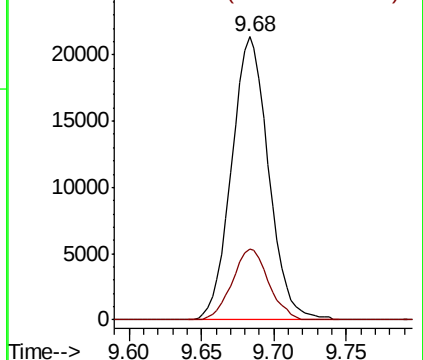
63 100

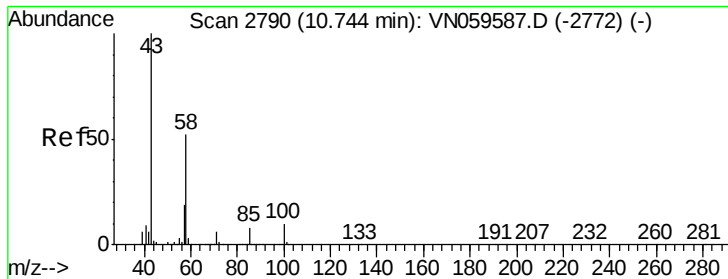
106 24.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





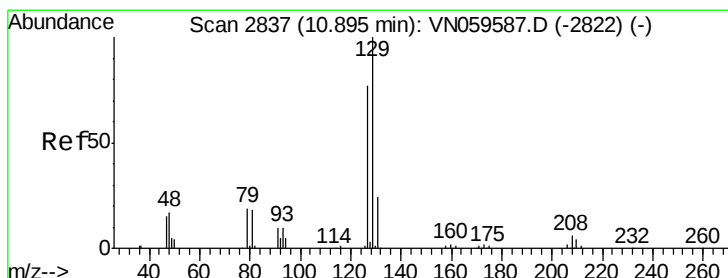
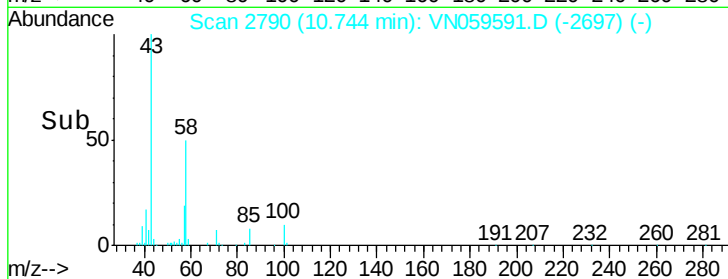
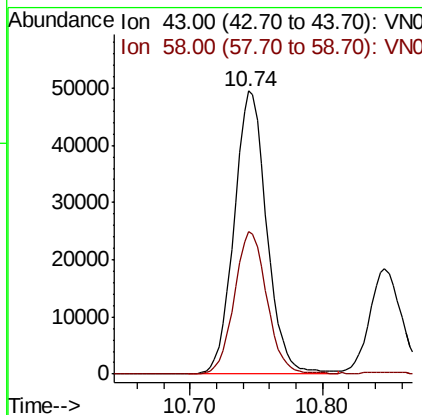
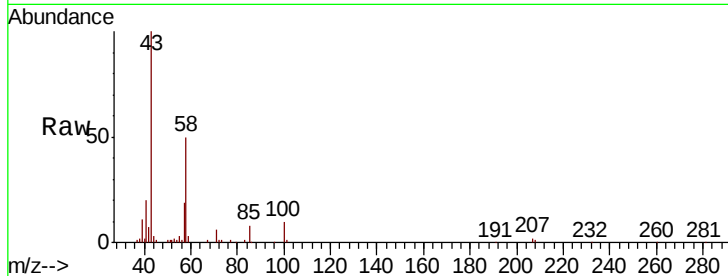
#59
2-Hexanone
Concen: 26.063 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	25.8	77.3

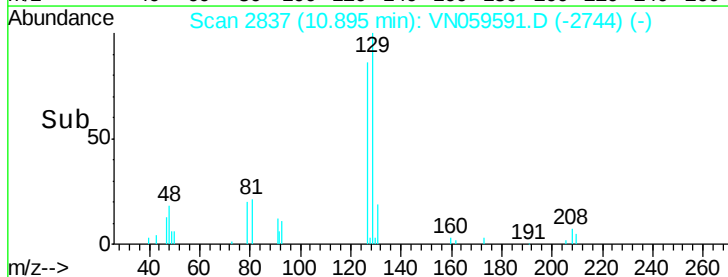
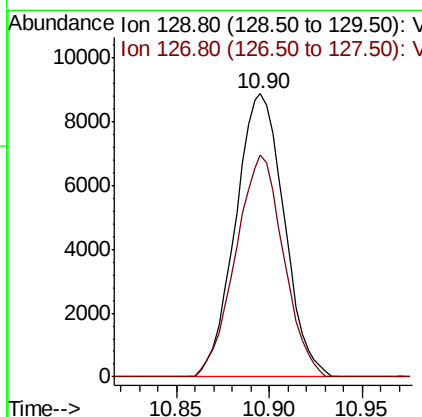
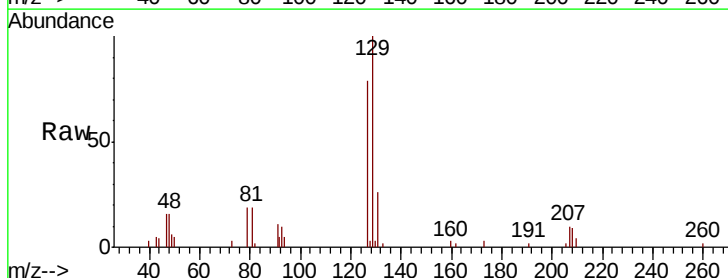
Manual Integrations
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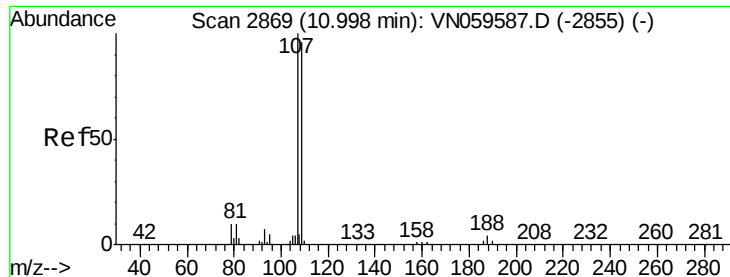
apatel
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#60
Dibromochloromethane
Concen: 5.053 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5





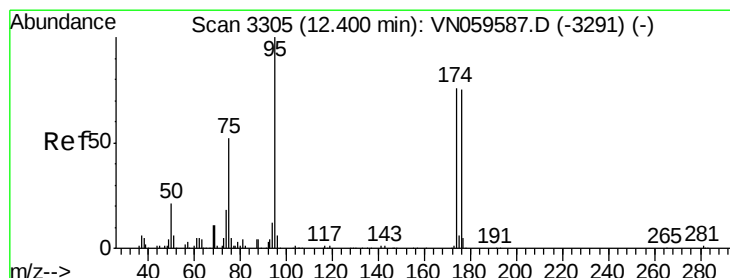
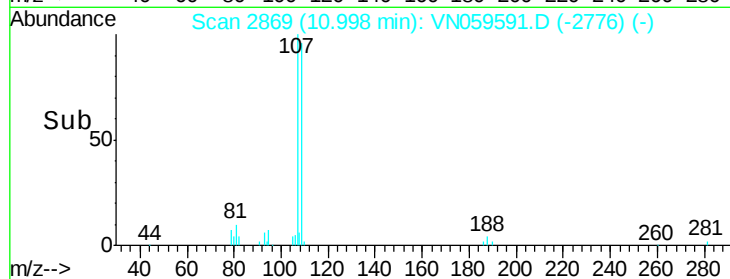
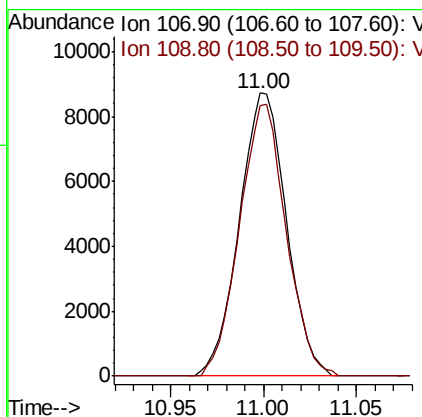
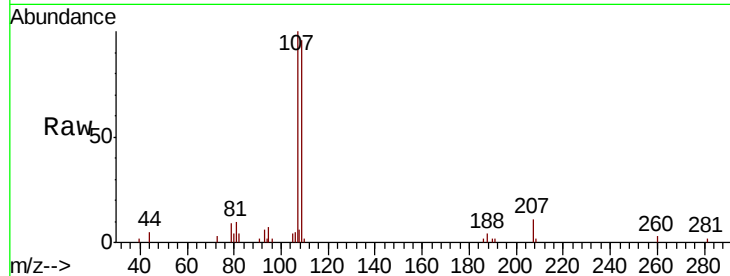
#61
 1,2-Dibromoethane
 Concen: 5.062 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 15466
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.6 115.0

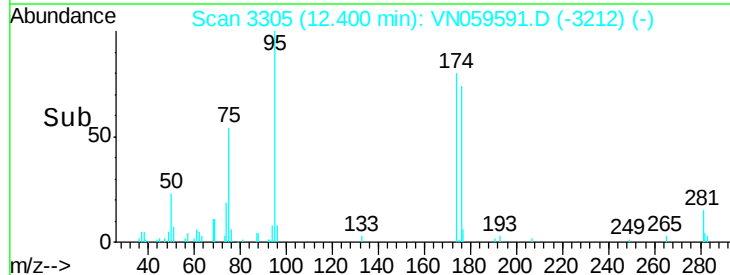
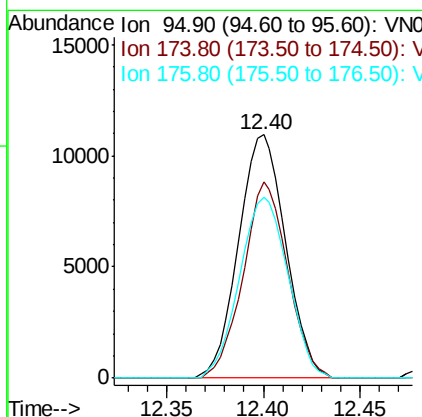
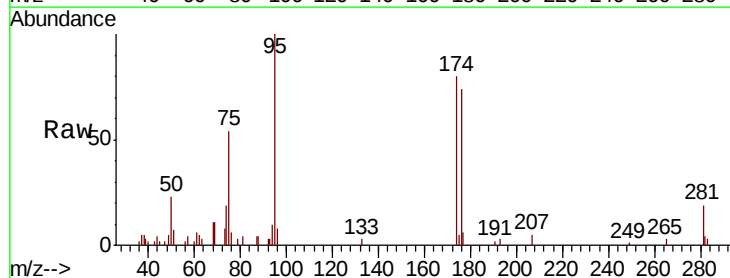
Manual Integrations
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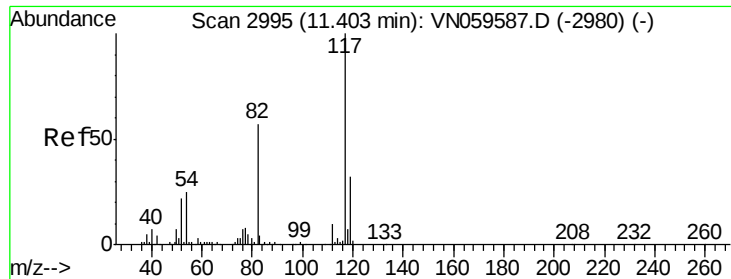
apatel
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#62
 4-Bromofluorobenzene
 Concen: 5.030 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion: 95 Resp: 18527
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 151.4
 176 76.3 0.0 146.0





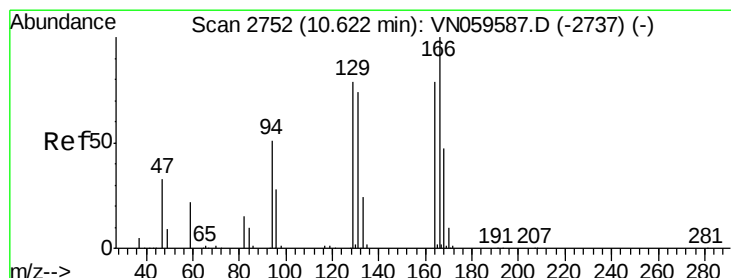
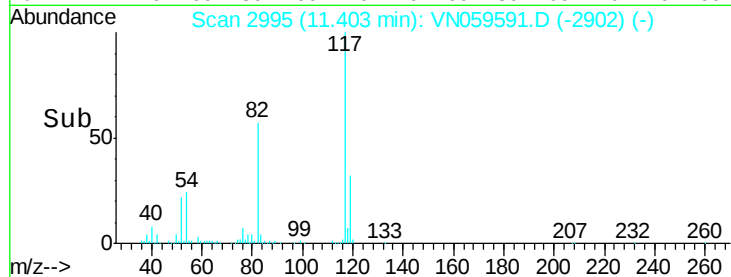
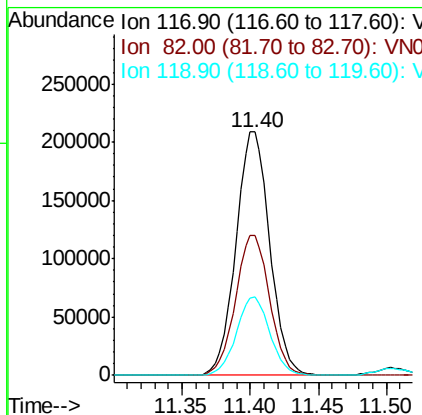
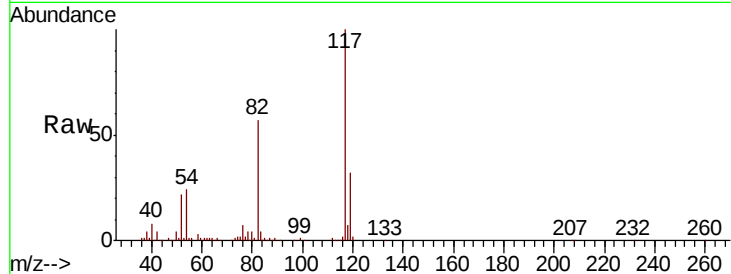
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	358377		
82	57.3	45.9	68.9	
119	32.1	25.5	38.3	

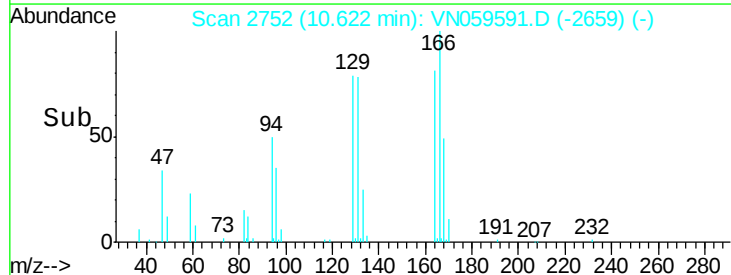
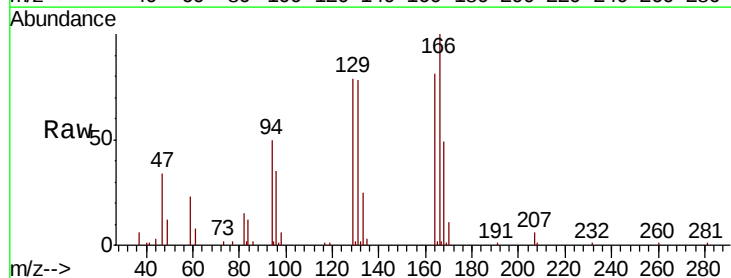
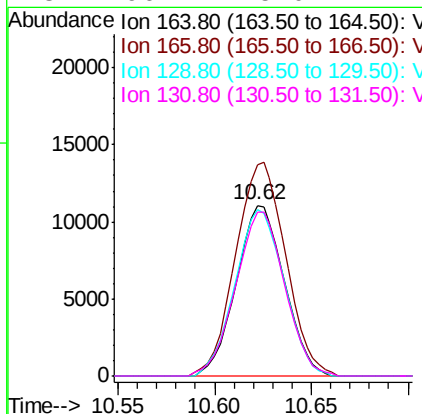
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#64
Tetrachloroethene
Concen: 6.867 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19097		
166	124.0	101.4	152.0	
129	97.8	80.2	120.4	
131	96.1	75.0	112.4	





#65

Chlorobenzene

Concen: 5.462 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 41795

Ion Ratio Lower Upper

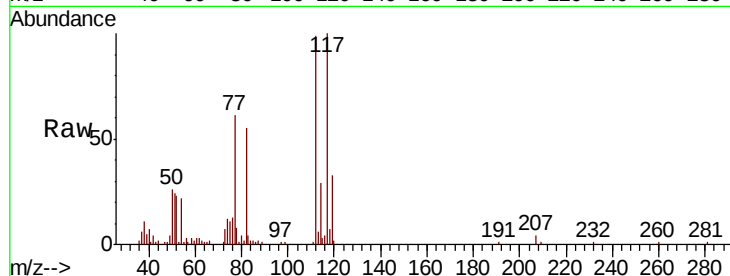
112 100

114 29.4 25.8 38.8

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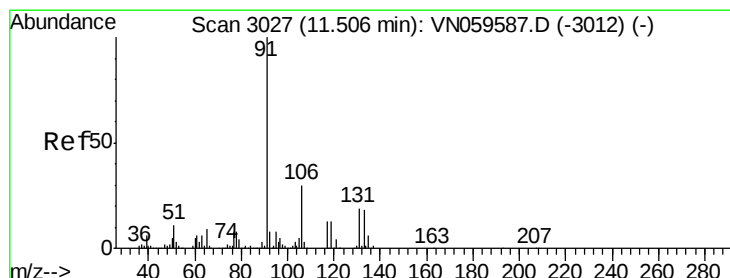
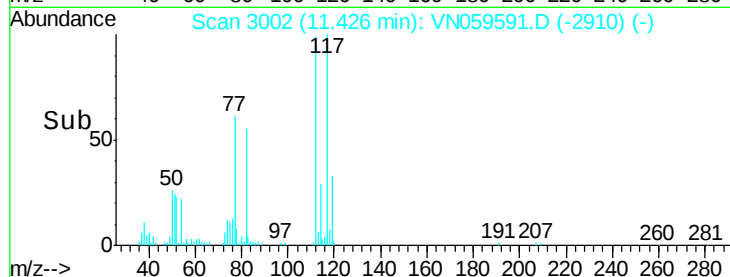
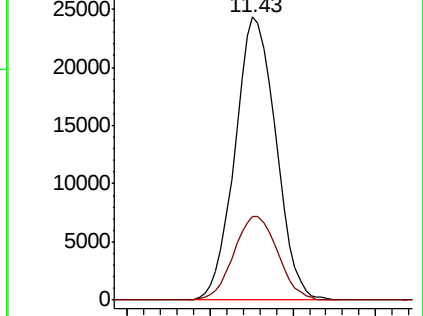
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.600 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

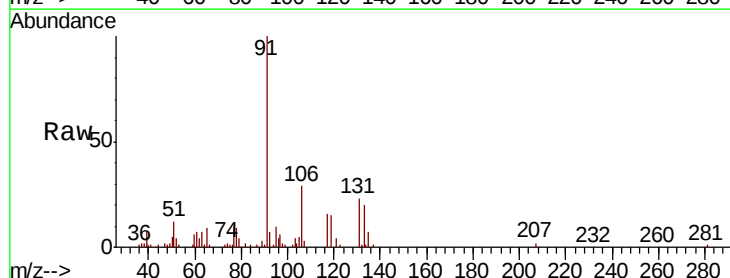
Tgt Ion:131 Resp: 16010

Ion Ratio Lower Upper

131 100

133 93.7 47.4 142.2

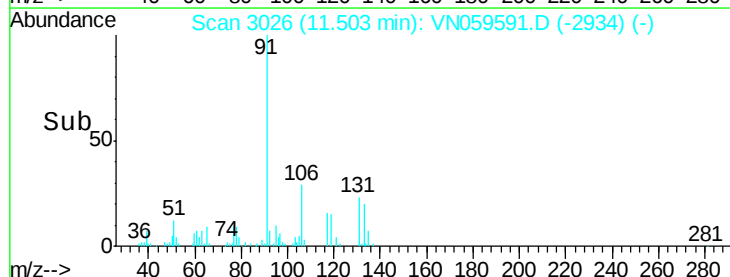
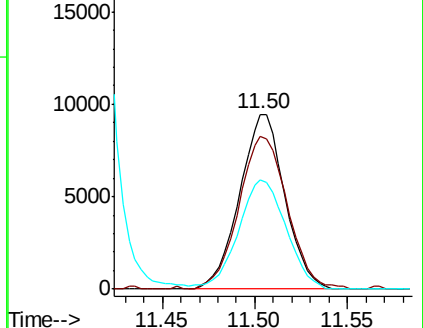
119 66.2 33.1 99.3

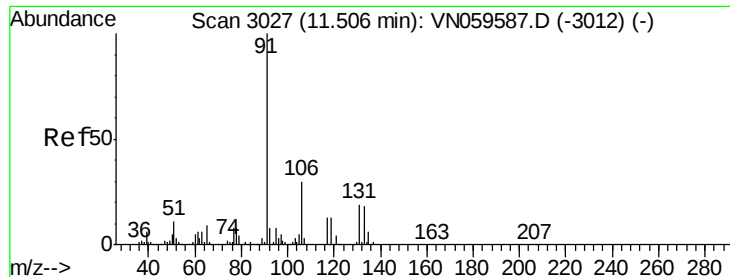


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.241 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 72058

Ion Ratio Lower Upper

91 100

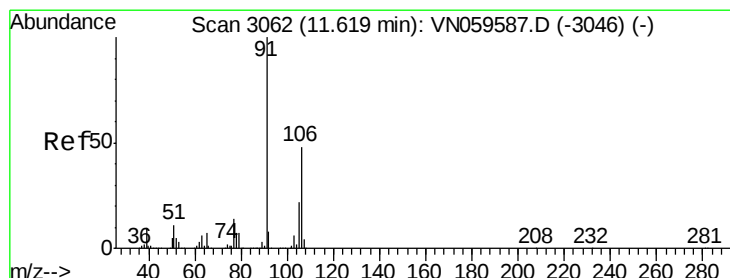
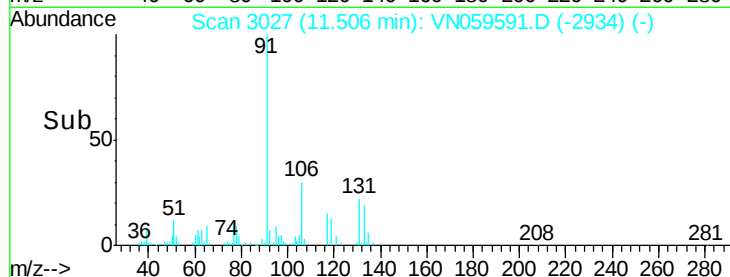
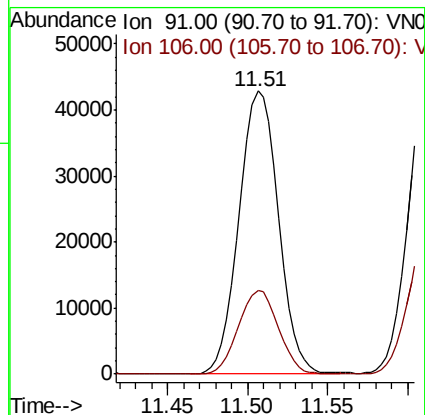
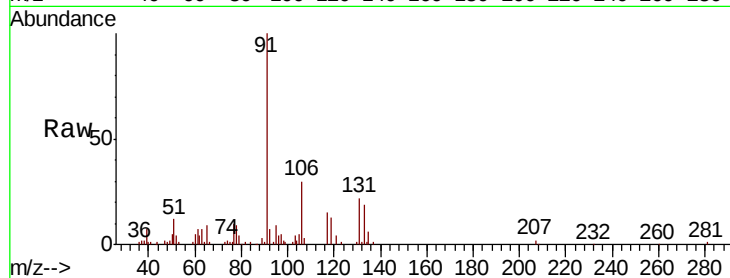
106 29.7 24.1 36.1

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#68

m/p-Xylenes

Concen: 10.455 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059591.D

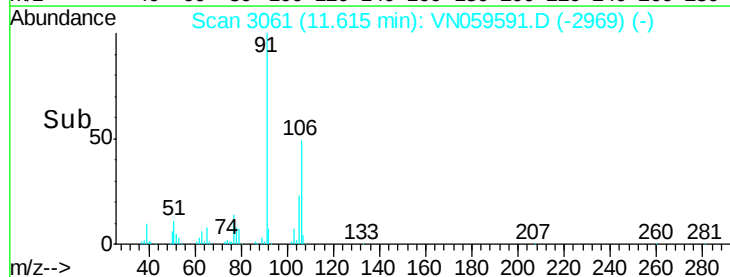
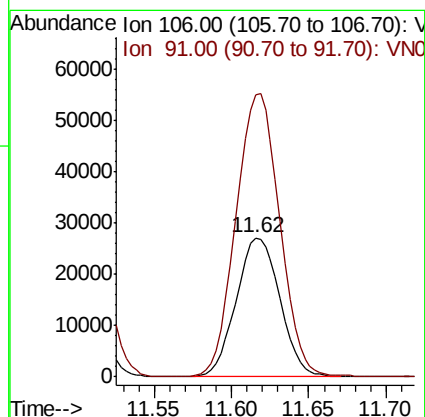
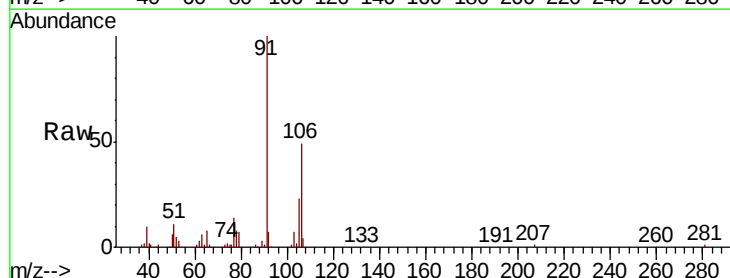
Acq: 13 Dec 2019 18:12

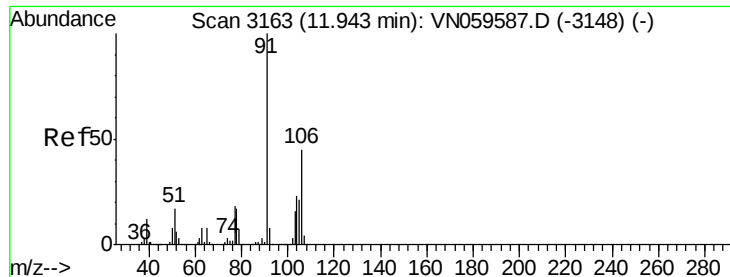
Tgt Ion: 106 Resp: 53255

Ion Ratio Lower Upper

106 100

91 203.9 167.9 251.9





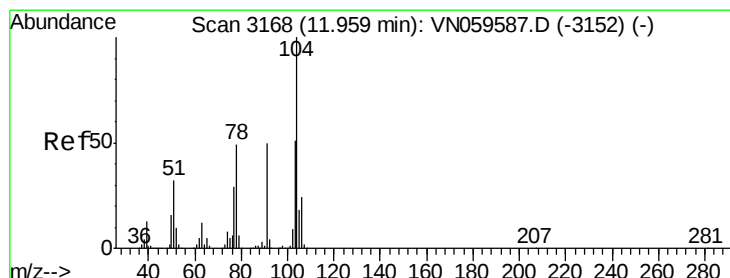
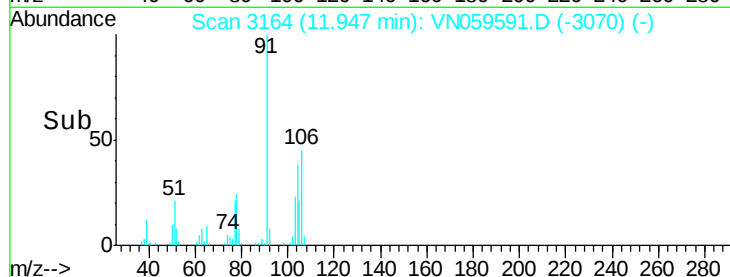
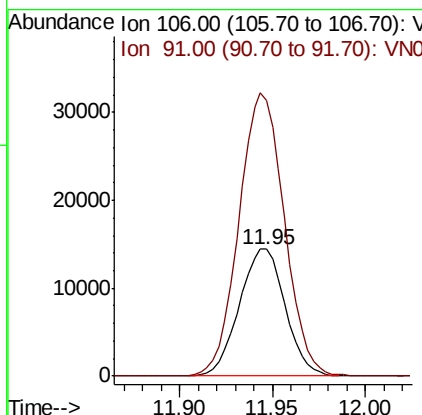
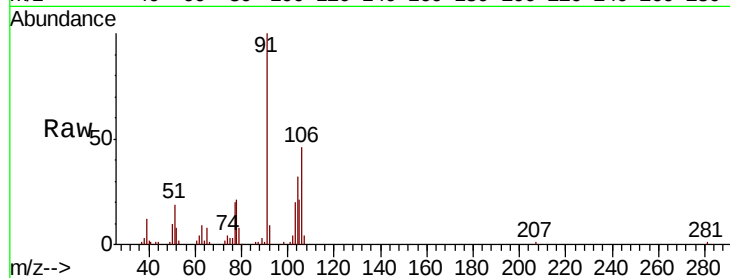
#69
o-Xylene
Concen: 5.230 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 24874
Ion Ratio Lower Upper
106 100
91 220.9 110.3 330.9

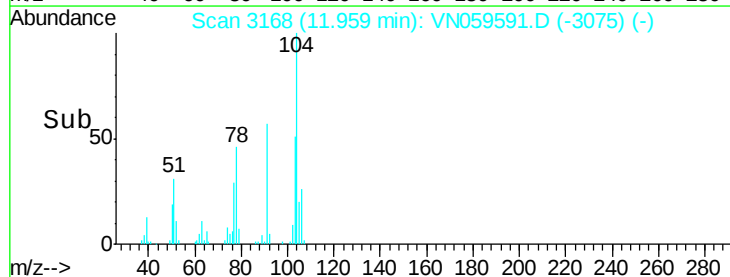
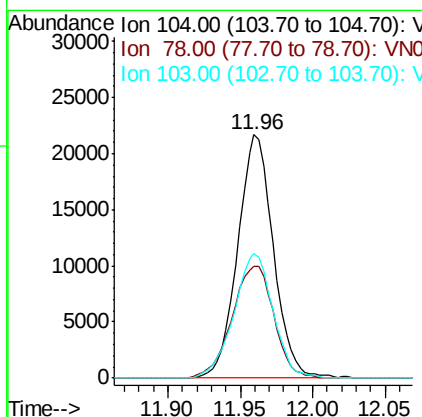
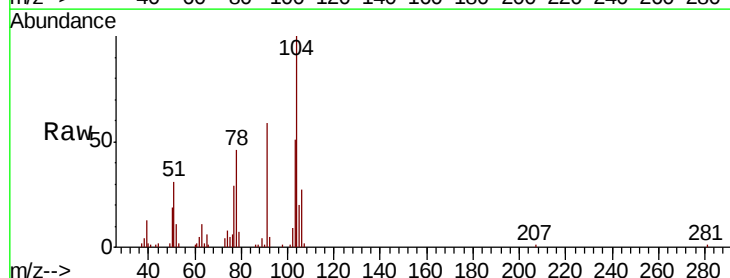
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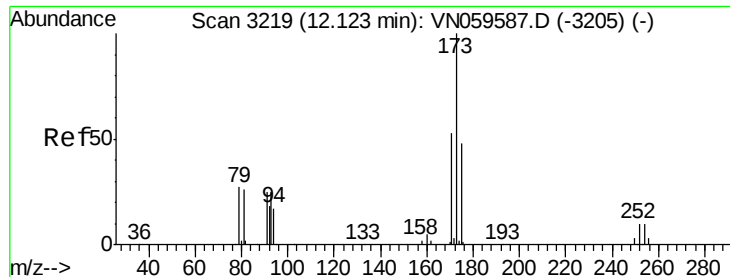
apatel
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#70
Styrene
Concen: 4.713 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion:104 Resp: 37123
Ion Ratio Lower Upper
104 100
78 54.0 42.4 63.6
103 56.1 43.9 65.9





#71

Bromoform

Concen: 4.916 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 10894

Ion Ratio Lower Upper

173 100

175 49.7 23.8 71.4

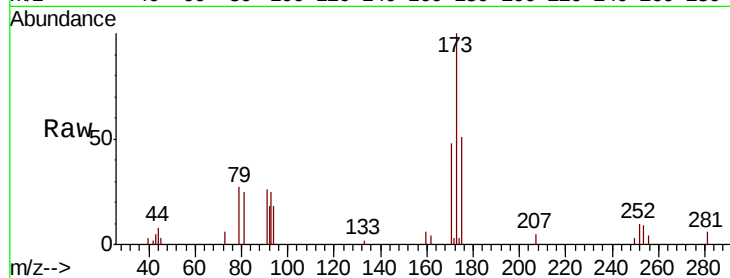
254 0.0 0.0 0.0

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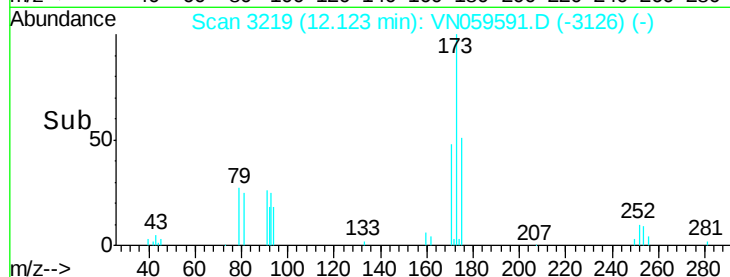


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

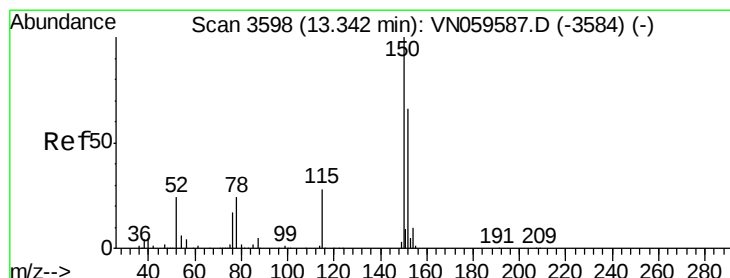
Ion 254.40 (254.10 to 255.10): V

Time--> 12.05 12.10 12.15



12.12

Time--> 12.05 12.10 12.15



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

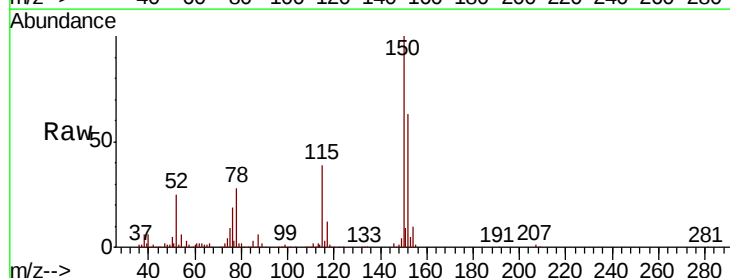
Tgt Ion:152 Resp: 151625

Ion Ratio Lower Upper

152 100

115 60.8 30.3 90.9

150 157.7 0.0 345.2

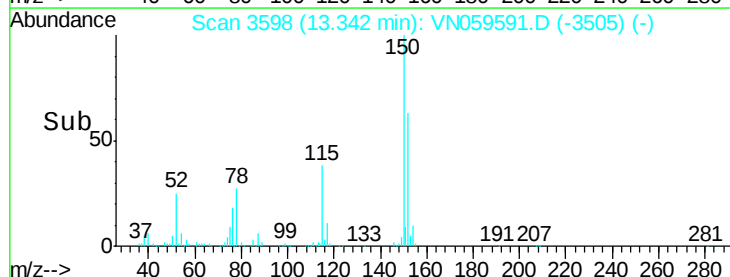


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

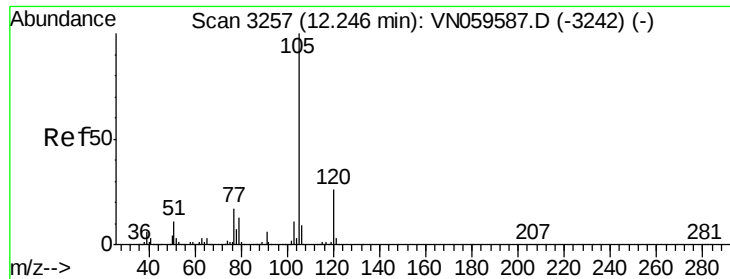
Ion 149.90 (149.60 to 150.60): V

Time--> 13.30 13.40



13.34

Time--> 13.30 13.40



#73

Isopropylbenzene

Concen: 5.508 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 65286

Ion Ratio Lower Upper

105 100

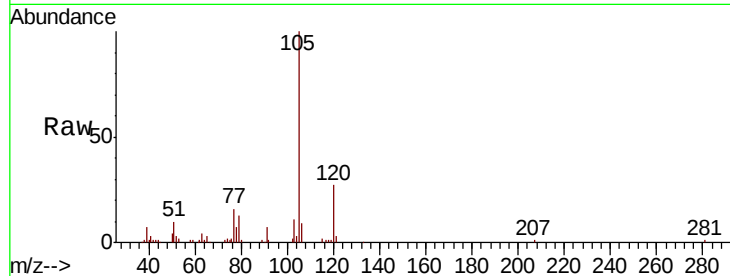
120 26.6 13.2 39.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

40000

30000

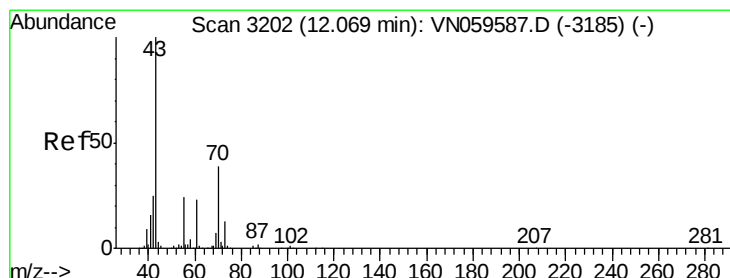
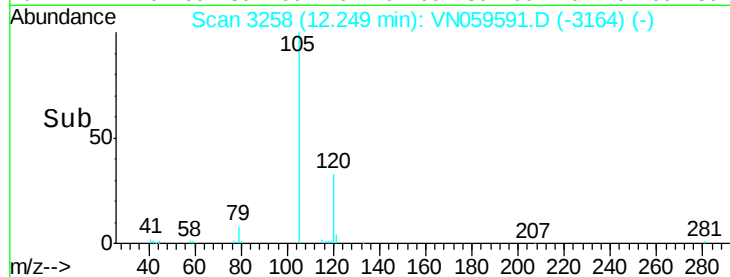
20000

10000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 5.408 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion: 43 Resp: 28085

Ion Ratio Lower Upper

43 100

70 37.7 31.3 46.9

55 25.8 19.8 29.6

61 20.2 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

25000

20000

15000

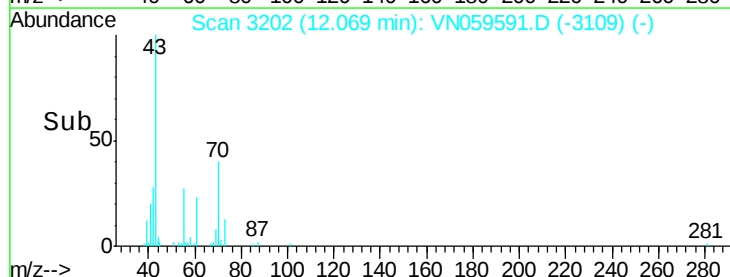
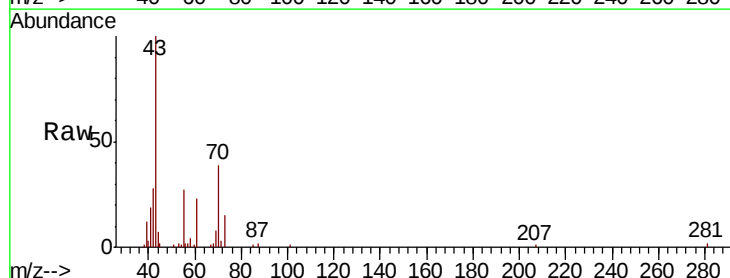
10000

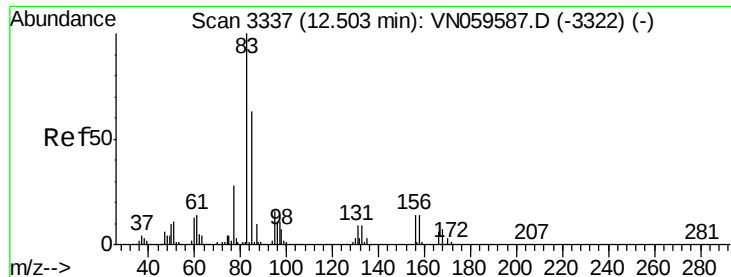
5000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 5.229 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

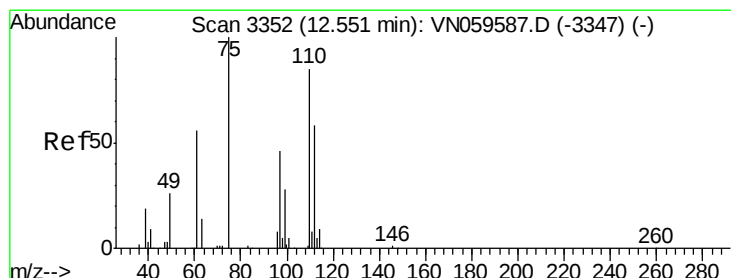
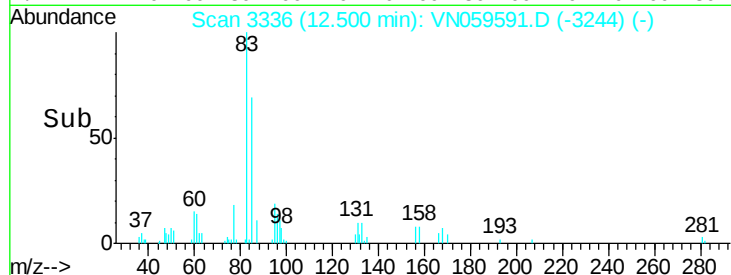
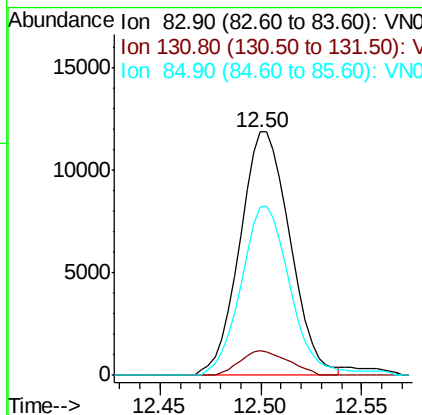
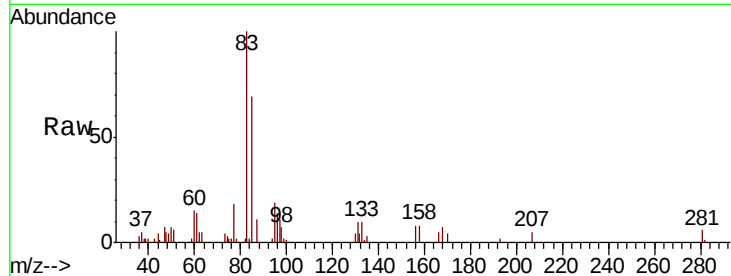
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20684
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	68.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 4.549 ug/l m

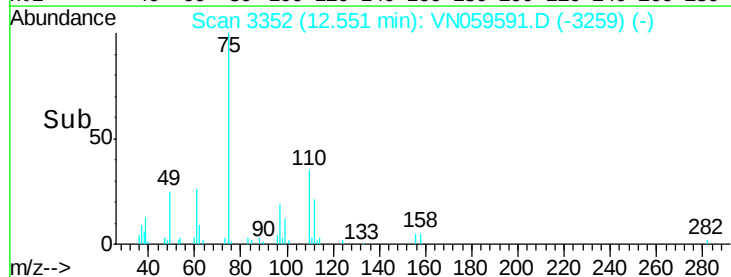
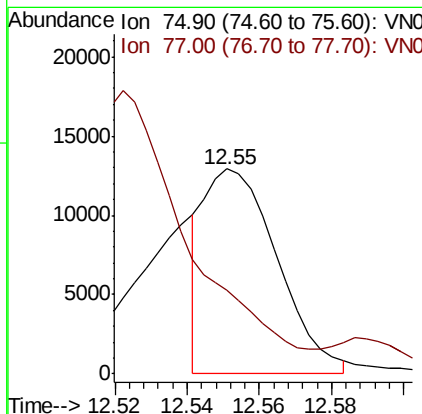
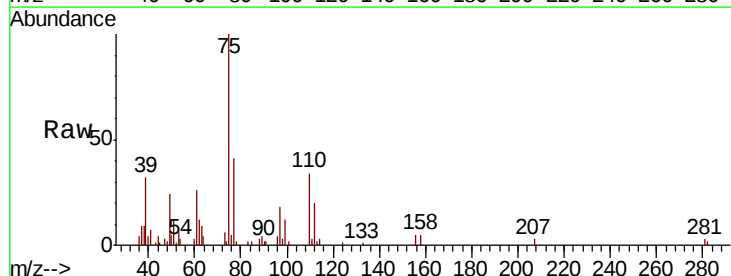
RT: 12.55 min Scan# 3352

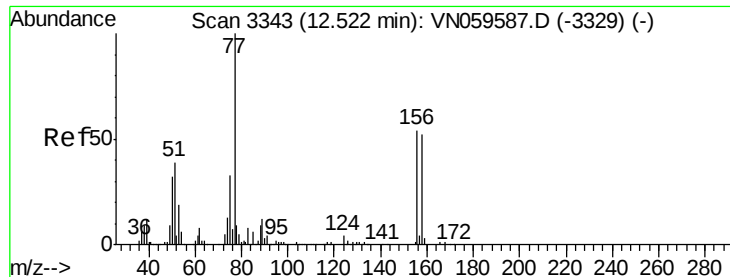
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	75	Resp:	18148
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.432 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

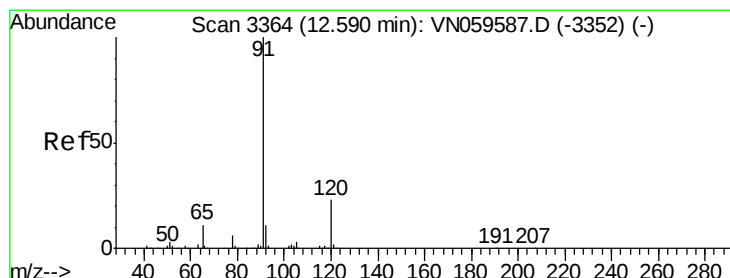
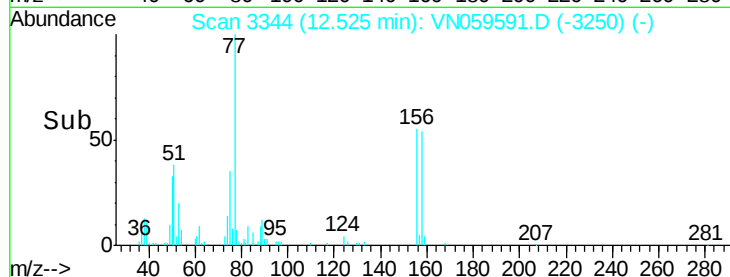
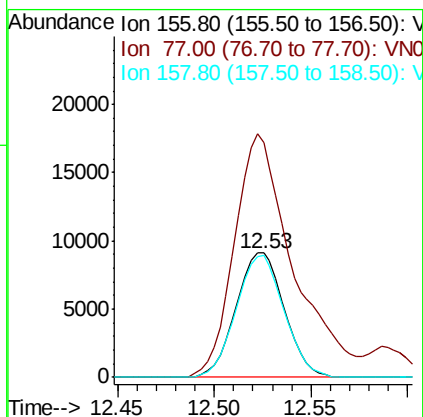
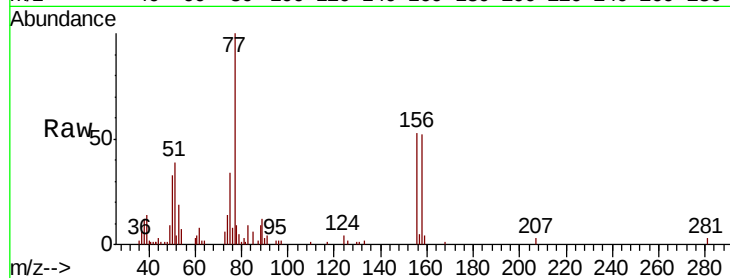
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	237.2	115.8	347.4	
158	97.5	49.2	147.6	

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#78

n-propylbenzene

Concen: 5.181 ug/l

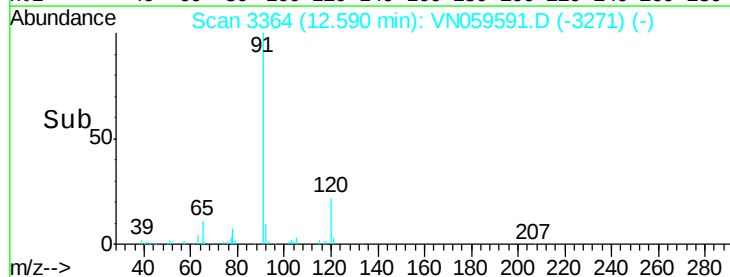
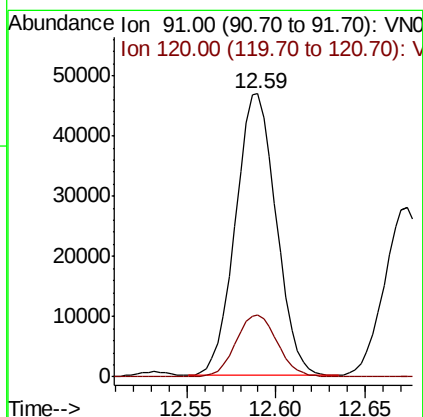
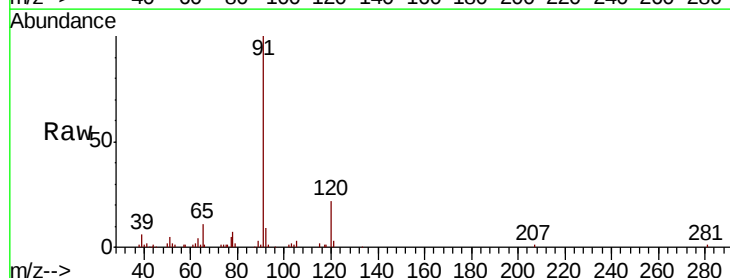
RT: 12.59 min Scan# 3364

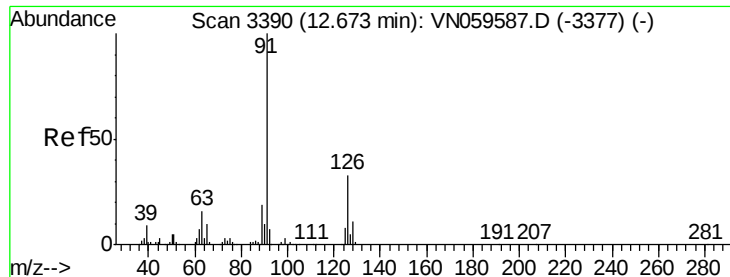
Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.1	33.3	





#79

2-Chlorotoluene

Concen: 5.304 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 45614

Ion Ratio Lower Upper

91 100

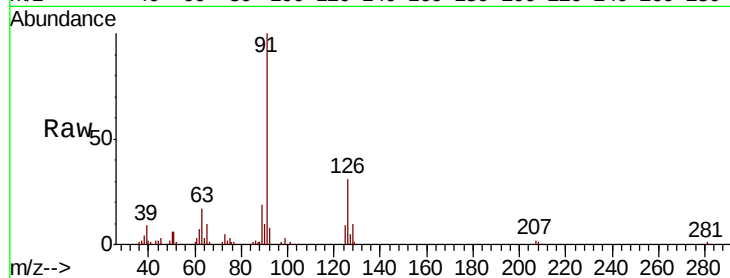
126 33.4 16.3 48.9

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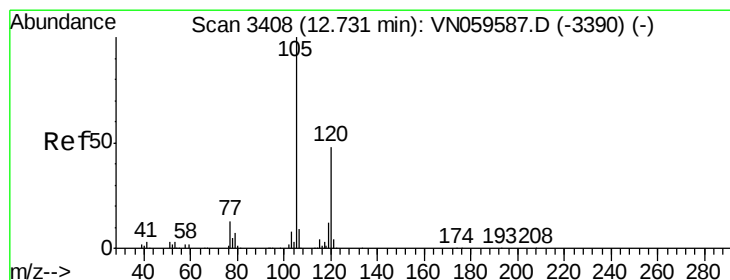
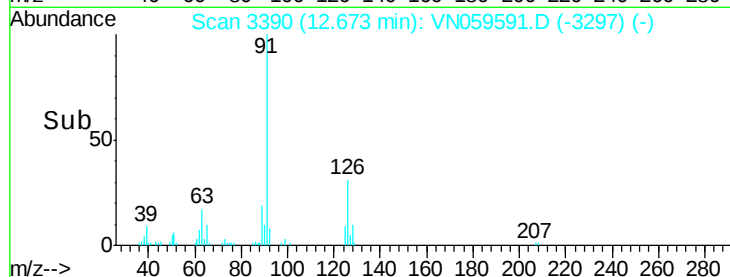
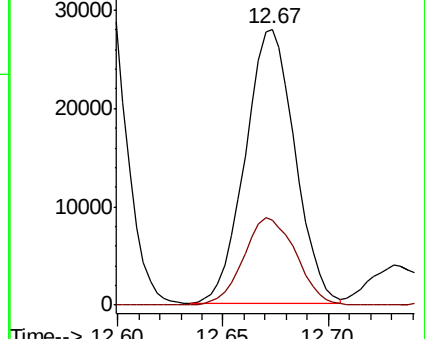
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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.513 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059591.D

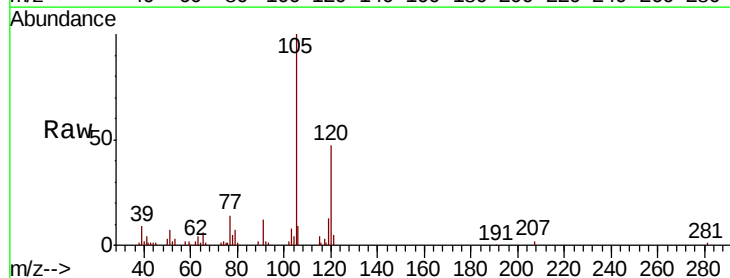
Acq: 13 Dec 2019 18:12

Tgt Ion: 105 Resp: 55292

Ion Ratio Lower Upper

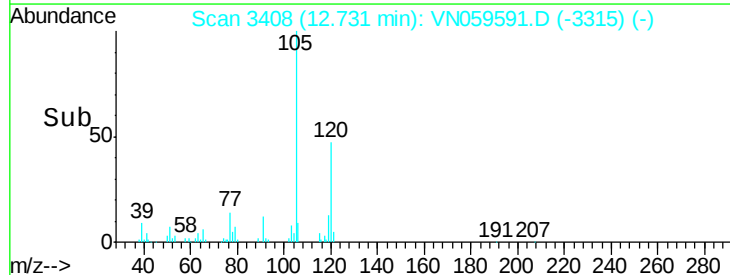
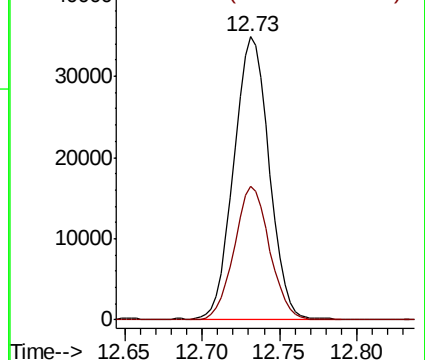
105 100

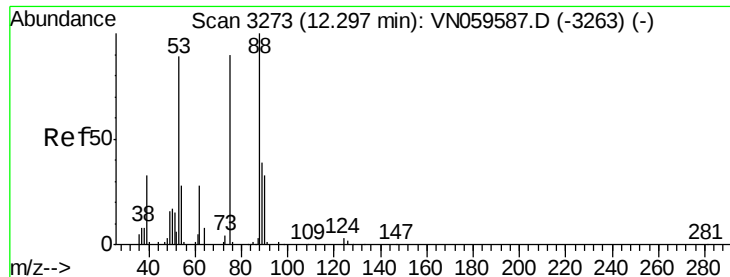
120 46.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)





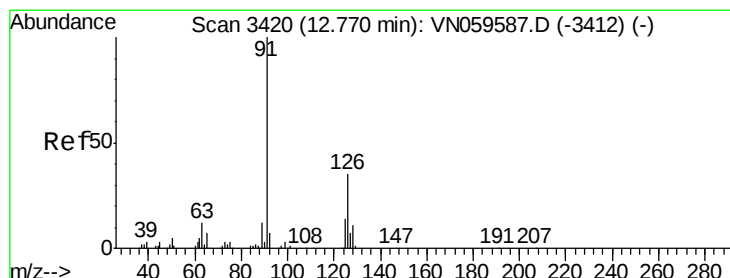
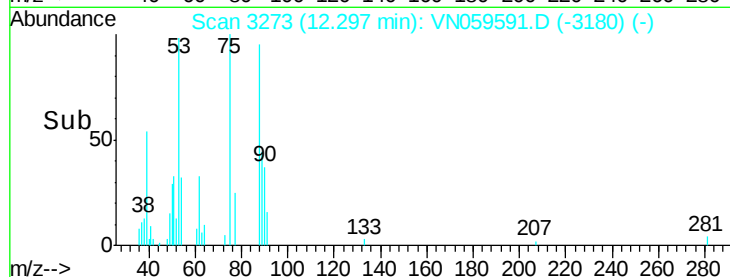
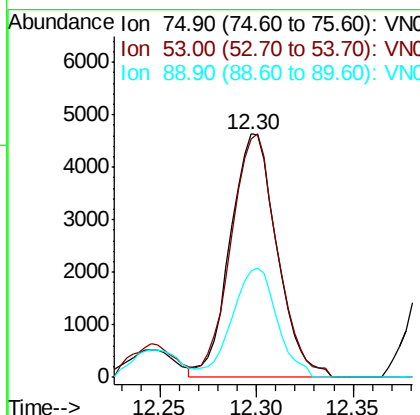
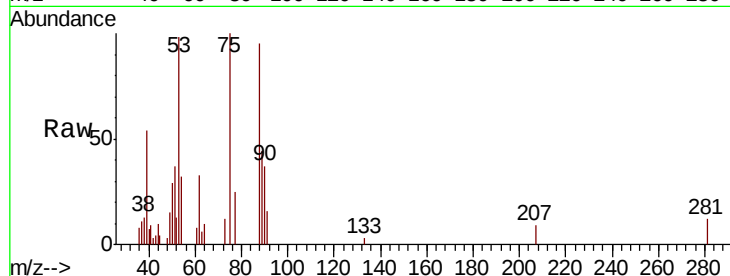
#81
trans-1,4-Dichloro-2-butene
Concen: 5.150 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	78.1	117.1
89	43.4	35.4	53.2

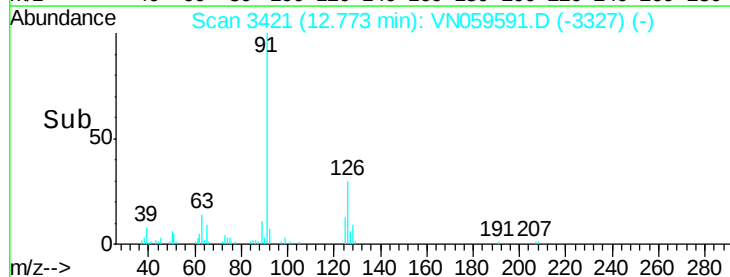
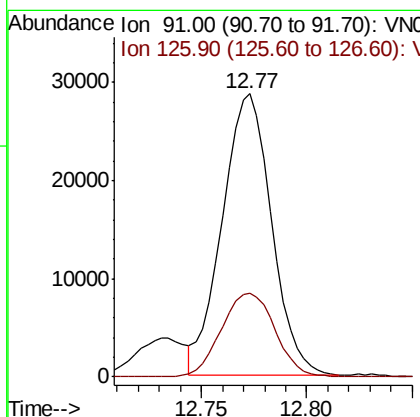
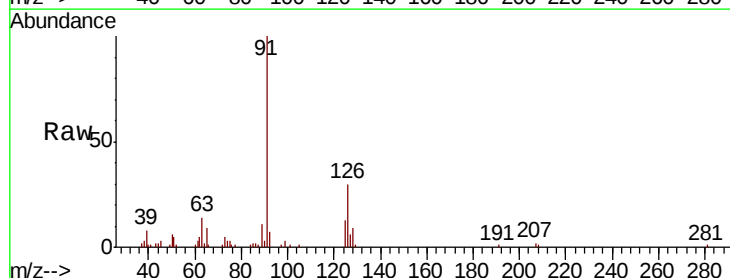
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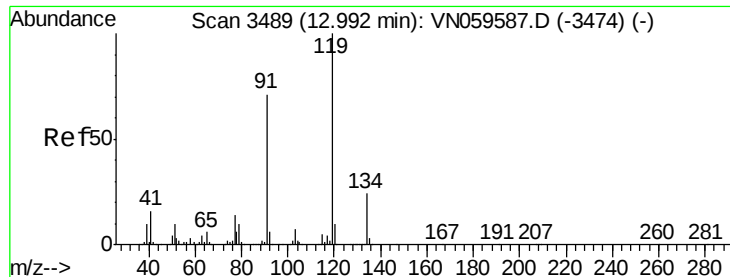
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#82
4-Chlorotoluene
Concen: 5.299 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.8





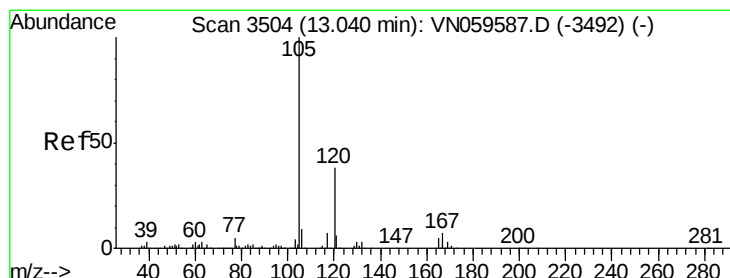
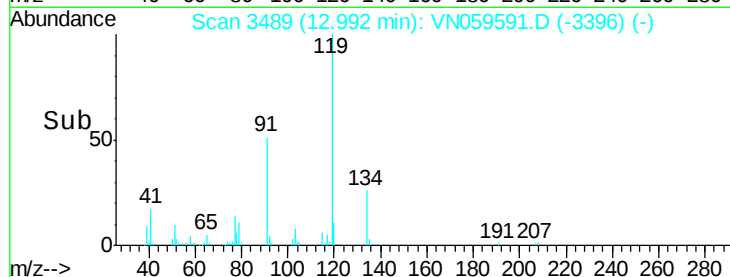
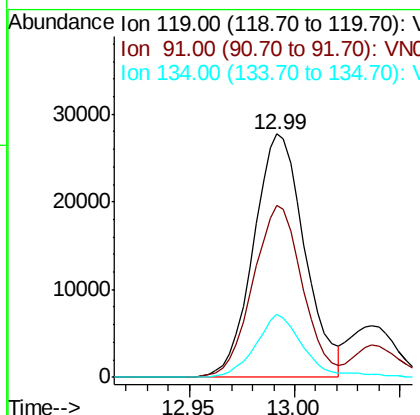
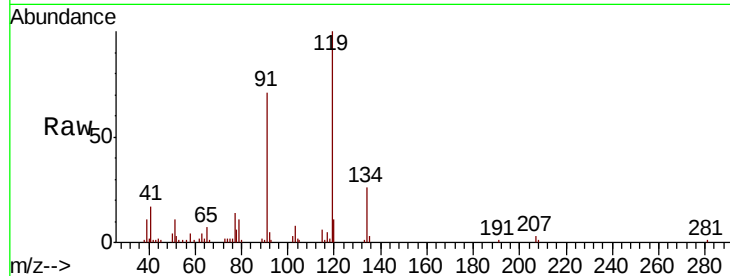
#83
 tert-Butylbenzene
 Concen: 5.591 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.8	104.4
134	24.4	12.3	36.9

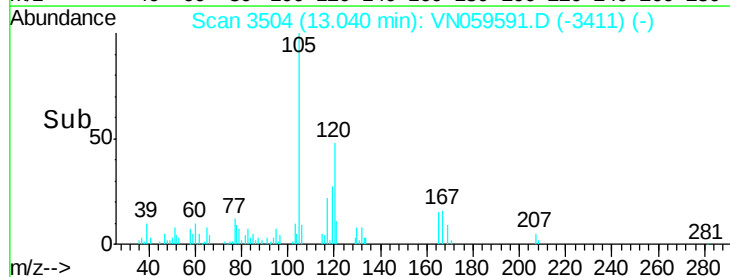
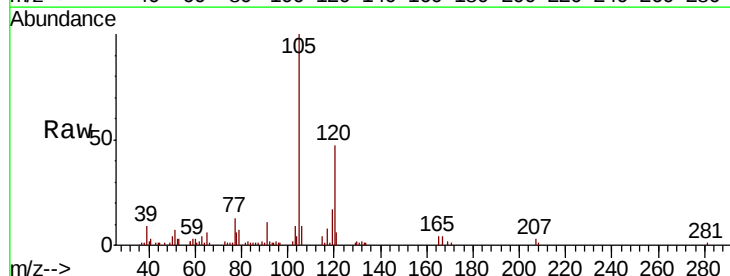
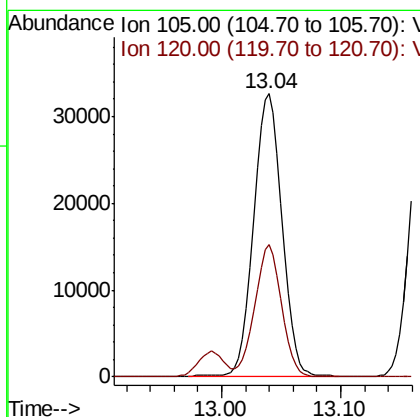
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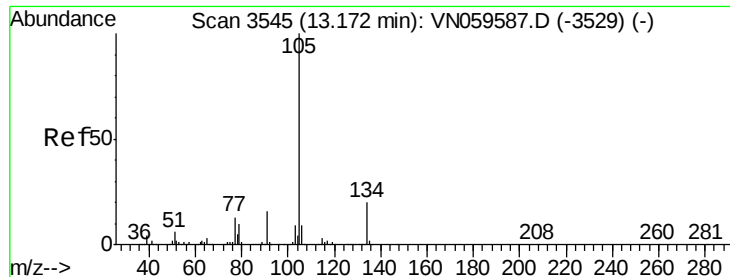
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.463 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.3	66.9





#85

sec-Butylbenzene

Concen: 5.398 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 61738

Ion Ratio Lower Upper

105 100

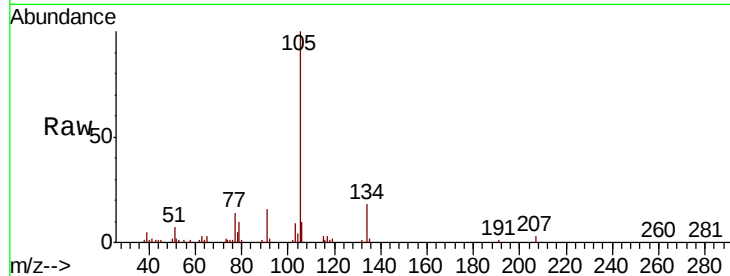
134 19.1 9.8 29.5

Manual Integrations

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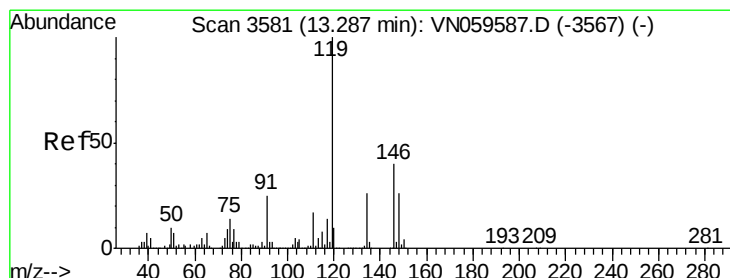
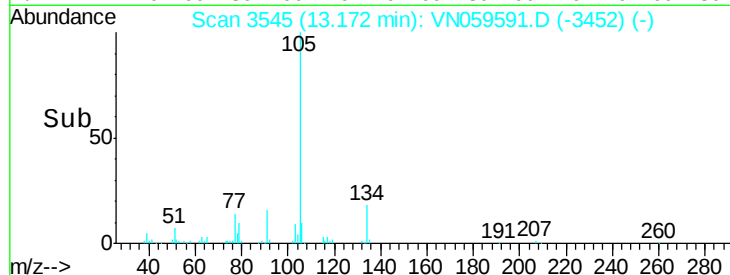
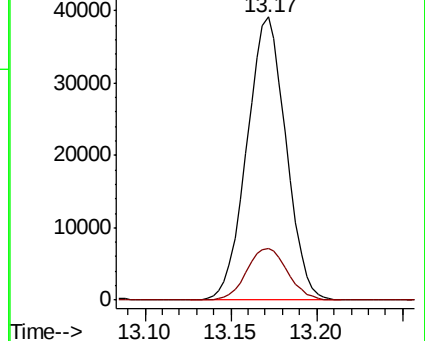
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.379 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

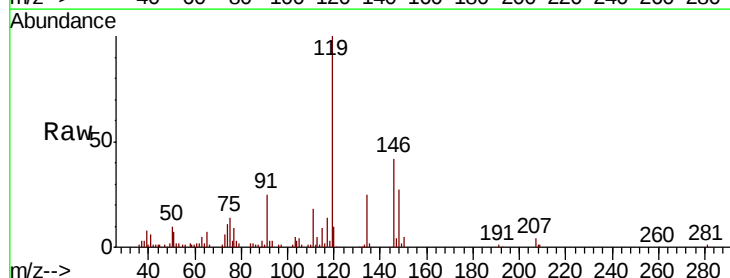
Tgt Ion:119 Resp: 54886

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

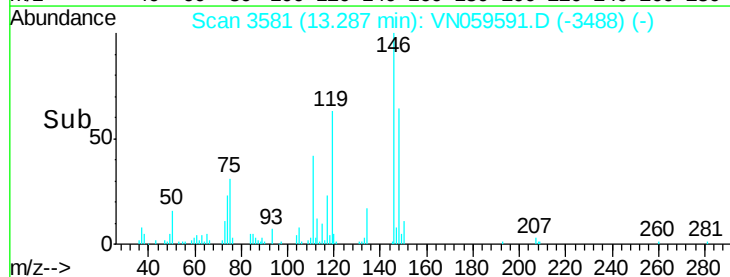
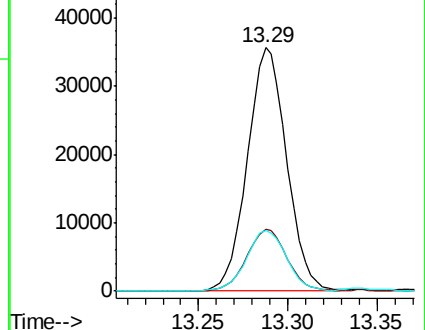
91 25.6 12.4 37.4

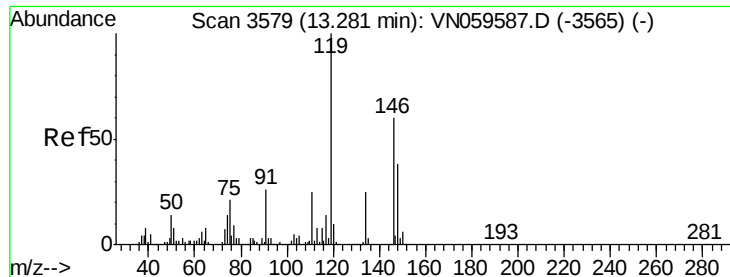


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





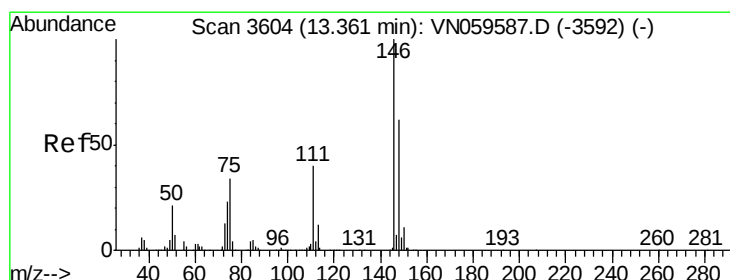
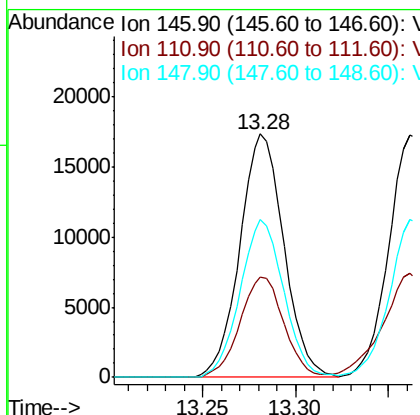
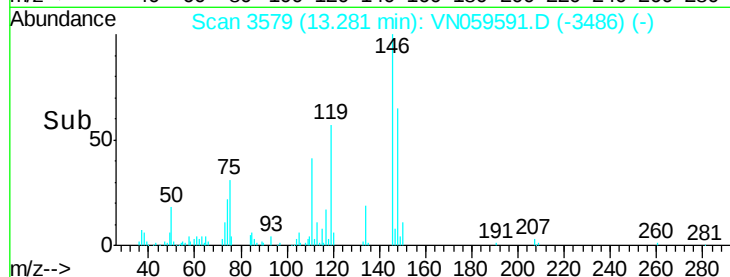
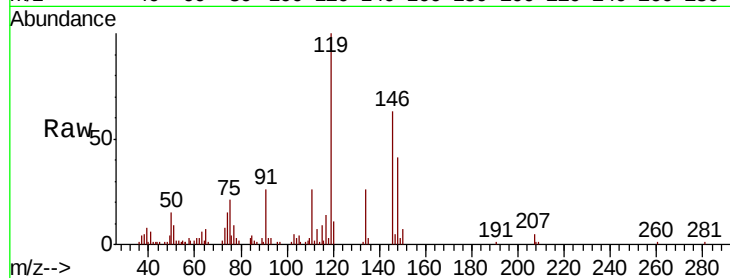
#87
 1,3-Dichlorobenzene
 Concen: 5.377 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	64.3	32.0	96.0

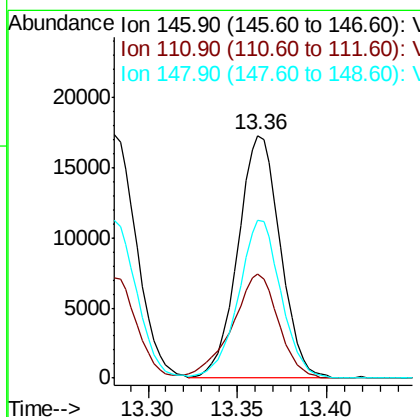
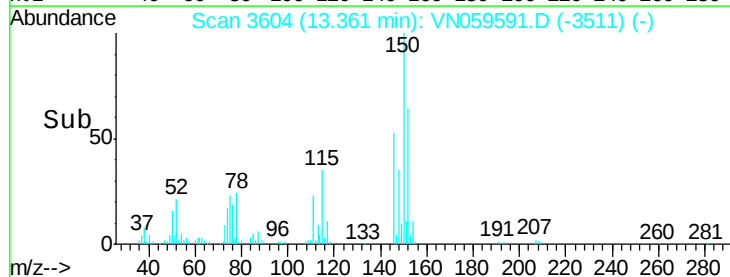
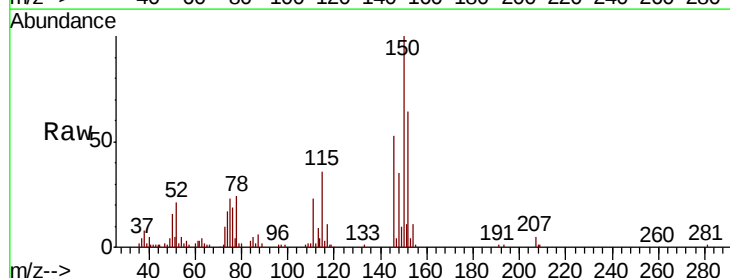
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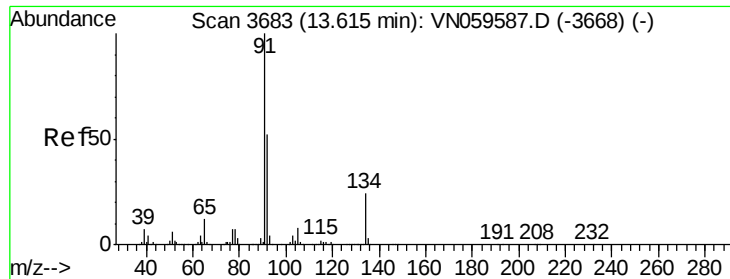
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#88
 1,4-Dichlorobenzene
 Concen: 5.517 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	20.8	62.2
148	65.3	31.8	95.4





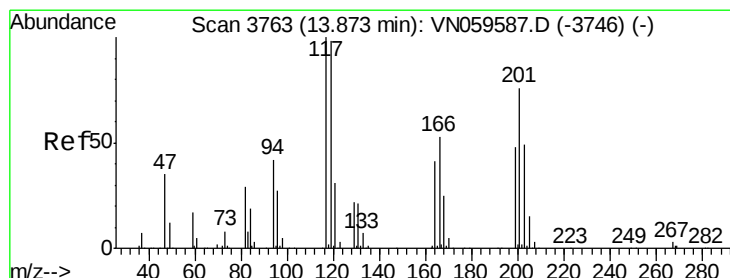
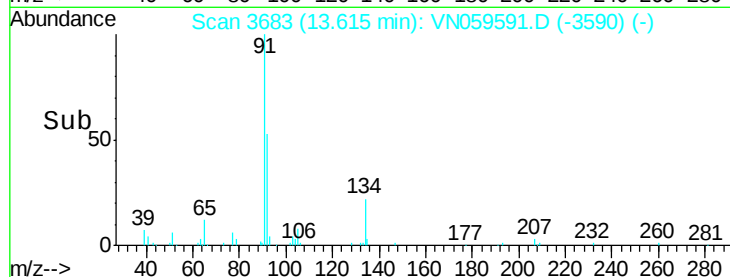
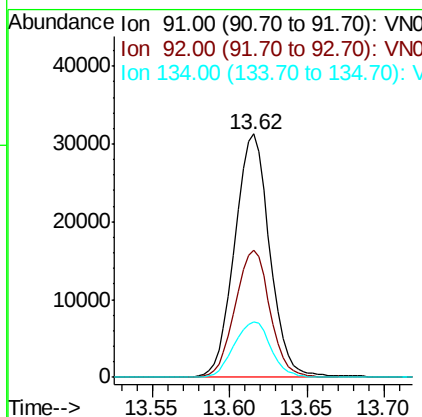
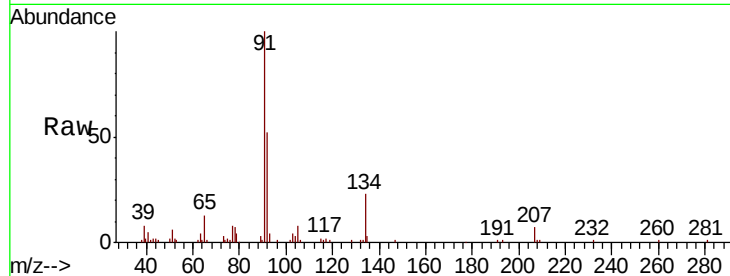
#89
n-Butylbenzene
Concen: 5.122 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	23.9	12.3	36.8

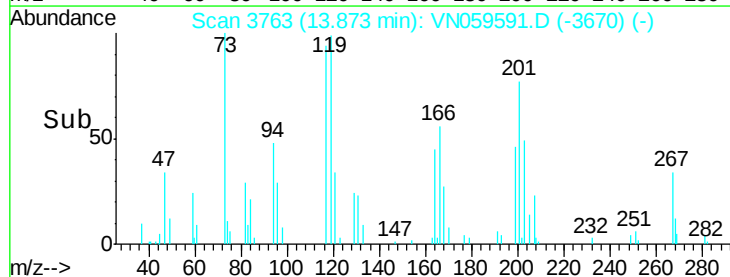
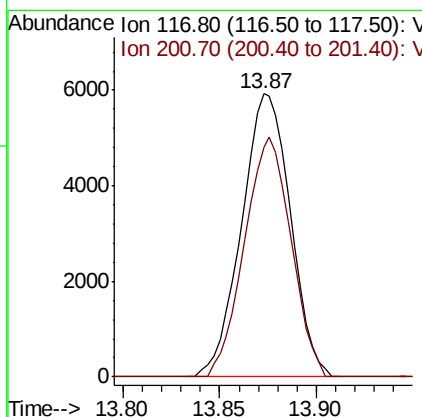
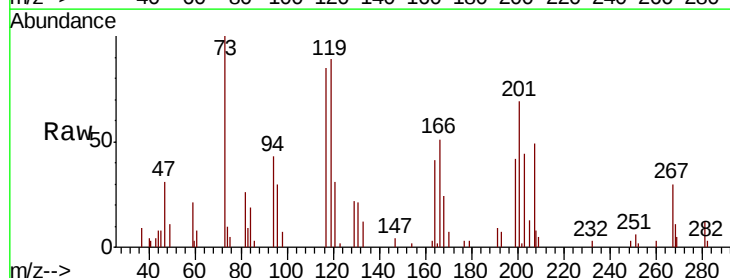
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#90
Hexachloroethane
Concen: 5.532 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059591.D
Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	37.8	113.4





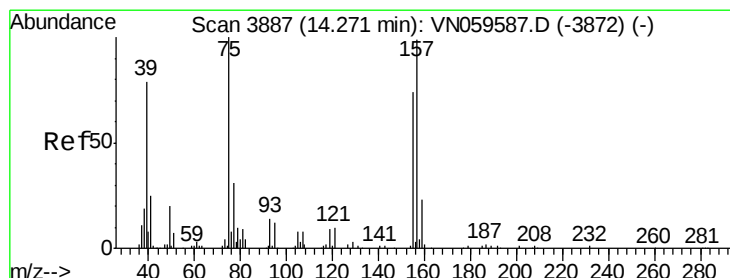
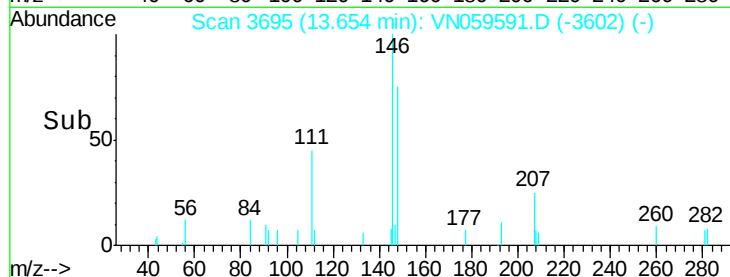
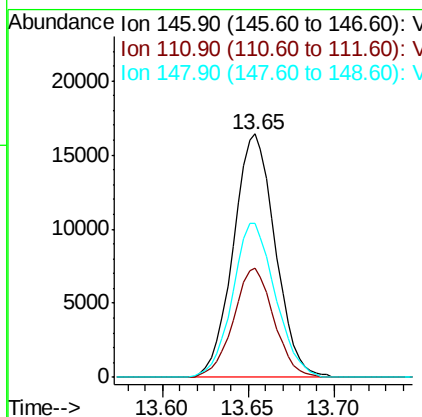
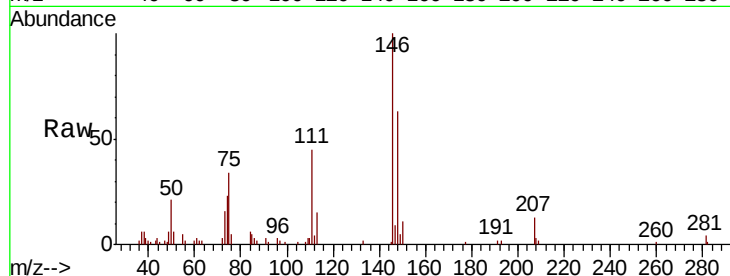
#91
 1,2-Dichlorobenzene
 Concen: 5.550 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.8
148	64.7	31.6	95.0

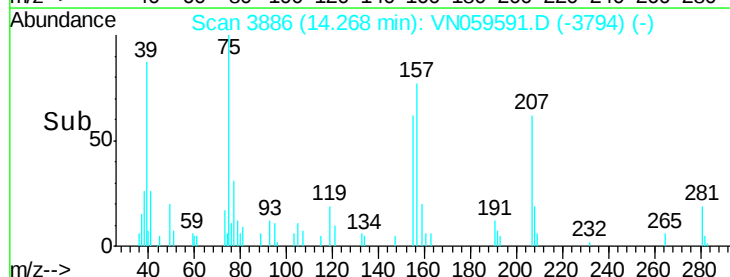
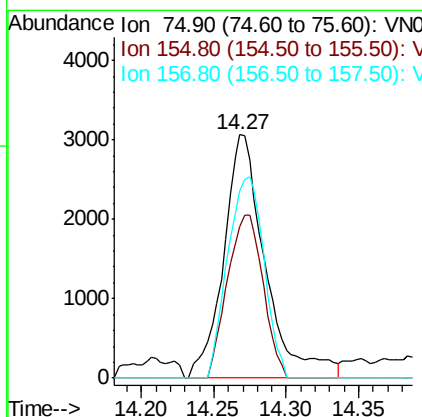
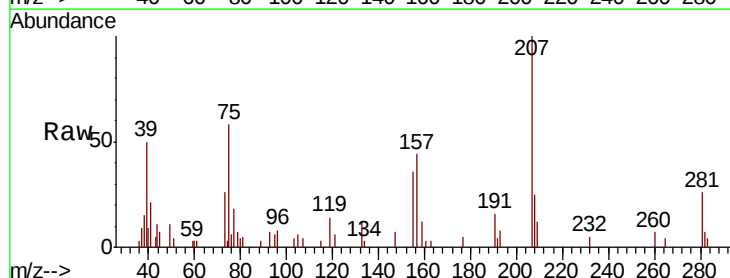
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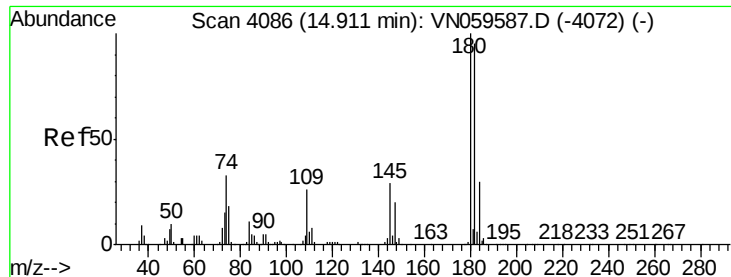
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.118 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.1	37.0	110.9
157	71.7	48.4	145.2





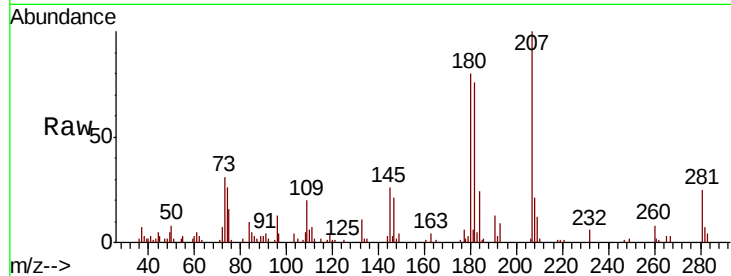
#93
 1,2,4-Trichlorobenzene
 Concen: 5.305 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	18109		
182	94.3	46.9	140.7	
145	32.9	15.0	45.1	

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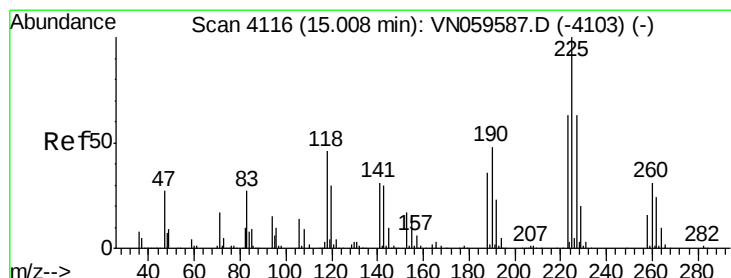
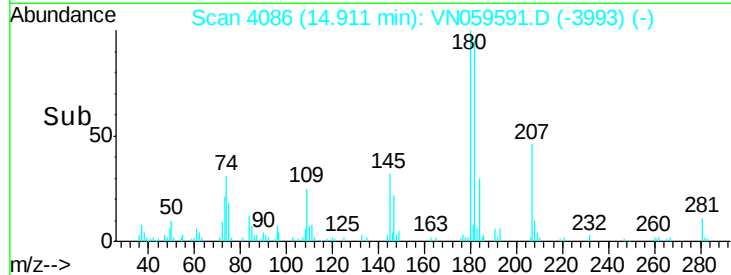
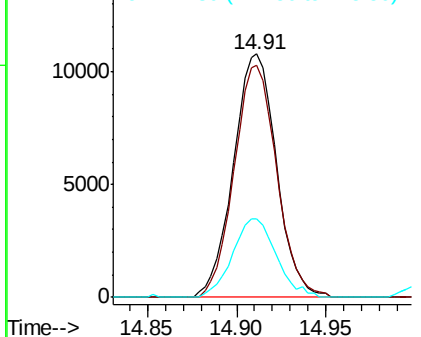


Abundance

Ion 179.80 (179.50 to 180.50): V

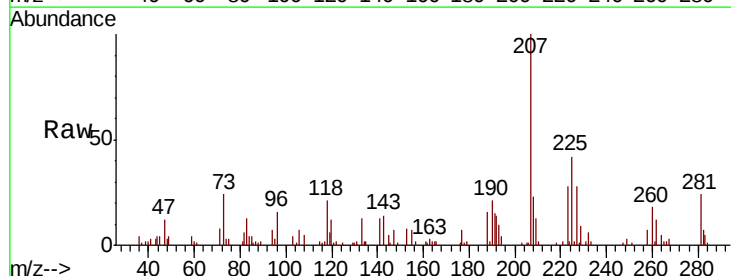
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.913 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059591.D
 Acq: 13 Dec 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10191		
223	65.5	31.8	95.3	
227	60.9	32.1	96.5	

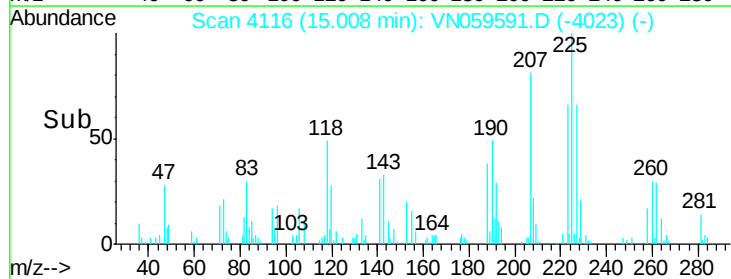
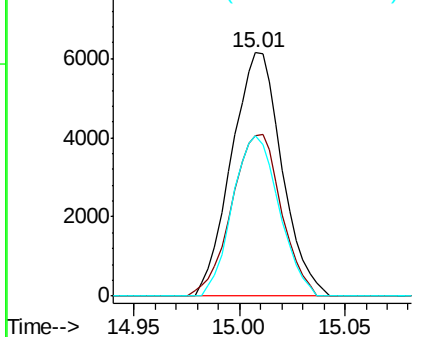


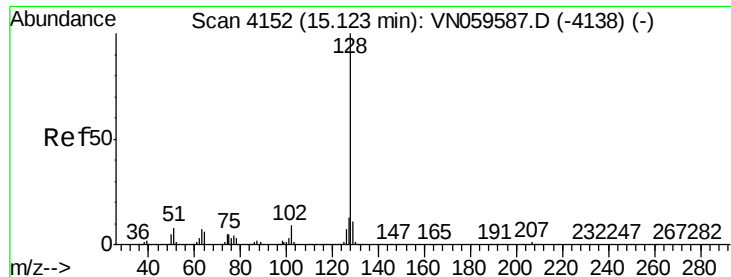
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.027 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Instrument :

MSVOA_N

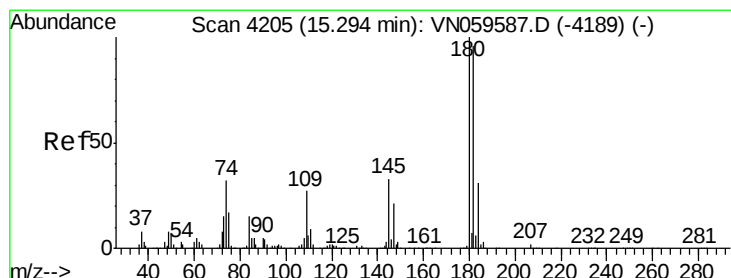
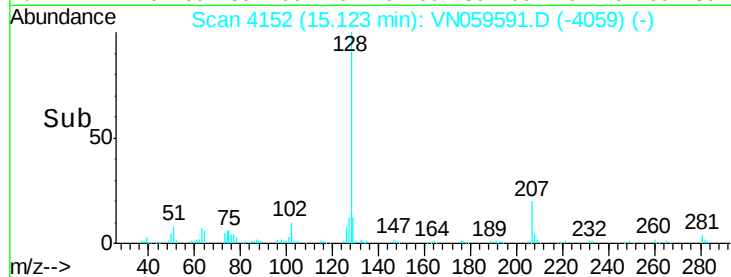
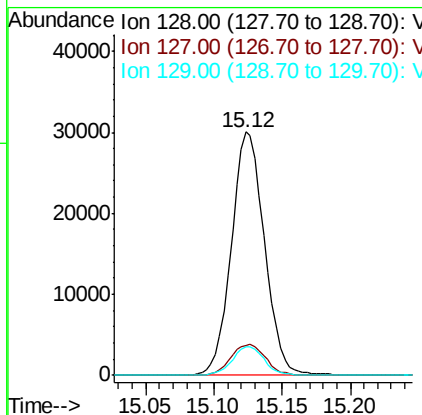
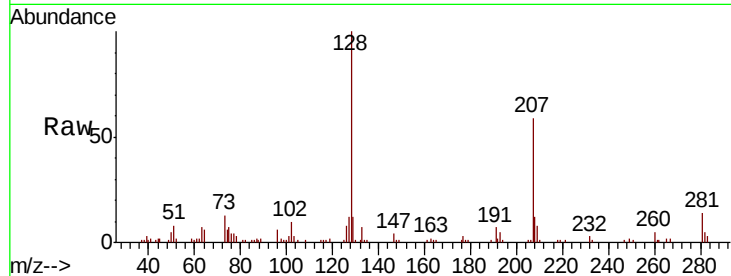
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	50559
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.4	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 5.373 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059591.D

Acq: 13 Dec 2019 18:12

Tgt Ion:	180	Resp:	18849
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.4	142.3
145	34.4	16.3	48.9

