

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059585.D
 Acq On : 13 Dec 2019 16:00
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Dec 13 17:37:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	256687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	416468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	373344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	19691	5.34	ug/l	0.00
Spiked Amount			Recovery	=	10.68%	
35) Dibromofluoromethane	7.56	113	13034	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.08	98	50502	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.40	95	17596	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	13551	4.440	ug/l	96
3) Chloromethane	2.04	50	20007	4.281	ug/l	98
4) Vinyl Chloride	2.17	62	19320	4.238	ug/l	98
5) Bromomethane	2.54	94	12180	4.371	ug/l	97
6) Chloroethane	2.67	64	11247	4.158	ug/l #	87
7) Trichlorofluoromethane	2.99	101	21207	3.907	ug/l	98
8) Diethyl Ether	3.39	74	6512	3.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	9971	3.559	ug/l	96
10) Methyl Iodide	3.92	142	12853	3.357	ug/l	97
11) Tert butyl alcohol	4.76	59	12169	19.543	ug/l	97
12) 1,1-Dichloroethene	3.71	96	9771	3.567	ug/l	98
13) Acrolein	3.58	56	8950	25.210	ug/l	99
14) Allyl chloride	4.29	41	19127	3.640	ug/l	96
15) Acrylonitrile	4.95	53	29741	18.538	ug/l	99
16) Acetone	3.79	43	36524	20.156	ug/l	99
17) Carbon Disulfide	4.02	76	33457	3.326	ug/l	100
18) Methyl Acetate	4.30	43	17139	3.799	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	34010	3.739	ug/l	98
20) Methylene Chloride	4.52	84	13026	3.753	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	11075	3.780	ug/l	97
22) Diisopropyl ether	5.92	45	36728	3.674	ug/l	91
23) Vinyl Acetate	5.86	43	144401	17.438	ug/l	100
24) 1,1-Dichloroethane	5.82	63	21872	3.849	ug/l	99
25) 2-Butanone	6.81	43	46323	19.708	ug/l	97
26) 2,2-Dichloropropane	6.80	77	20105	3.913	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	12717	3.853	ug/l	98
28) Bromochloromethane	7.17	49	6189	3.344	ug/l #	99
29) Tetrahydrofuran	7.18	42	28624	17.848	ug/l	100
30) Chloroform	7.35	83	21026	3.752	ug/l	99
31) Cyclohexane	7.63	56	24387	4.415	ug/l #	81
32) 1,1,1-Trichloroethane	7.55	97	19434	3.907	ug/l	98
36) 1,1-Dichloropropene	7.77	75	15881	3.660	ug/l	99
37) Ethyl Acetate	6.91	43	16725	3.699	ug/l	99
38) Carbon Tetrachloride	7.75	117	16001	3.731	ug/l	97

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 ALS Vial : 4 Sample Multiplier: 1

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

39) Methylcyclohexane	9.07	83	17240	3.546	ug/l	96
40) Benzene	8.02	78	46838	3.771	ug/l	100
41) Methacrylonitrile	7.15	41	6554	3.095	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	18496	3.989	ug/l	99
43) Isopropyl Acetate	8.15	43	27283	3.629	ug/l #	90
44) Trichloroethene	8.82	130	12484	3.966	ug/l	98
45) 1,2-Dichloropropane	9.10	63	12244	3.723	ug/l	96
46) Dibromomethane	9.19	93	8115	3.724	ug/l	98
47) Bromodichloromethane	9.39	83	16110	3.727	ug/l	97
48) Methyl methacrylate	9.19	41	11462	3.473	ug/l	96
49) 1,4-Dioxane	9.19	88	3840	86.982	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	78993	18.072	ug/l	99
52) Toluene	10.15	92	27453	3.704	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	17966	3.562	ug/l #	87
54) cis-1,3-Dichloropropene	9.83	75	19389	3.751	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	11462	3.823	ug/l	94
56) Ethyl methacrylate	10.42	69	13887	3.134	ug/l	91
57) 1,3-Dichloropropane	10.70	76	19746	3.854	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	15609	11.123	ug/l	99
59) 2-Hexanone	10.74	43	60861	18.373	ug/l	100
60) Dibromochloromethane	10.90	129	11256	3.463	ug/l	99
61) 1,2-Dibromoethane	11.00	107	11194	3.591	ug/l	100
64) Tetrachloroethene	10.62	164	12180	4.204	ug/l	95
65) Chlorobenzene	11.43	112	30177	3.785	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	10913	3.664	ug/l	96
67) Ethyl Benzene	11.51	91	52502	3.665	ug/l	100
68) m/p-Xylenes	11.62	106	36942	6.962	ug/l	99
69) o-Xylene	11.95	106	18111	3.656	ug/l	100
70) Styrene	11.96	104	26662	3.250	ug/l	98
71) Bromoform	12.12	173	8152	3.531	ug/l #	100
73) Isopropylbenzene	12.25	105	46483	3.600	ug/l	100
74) N-amyl acetate	12.07	43	19937	3.524	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	15077	3.499	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	15946m	3.669	ug/l	
77) Bromobenzene	12.53	156	11480	3.625	ug/l	97
78) n-propylbenzene	12.59	91	54465	3.470	ug/l	100
79) 2-Chlorotoluene	12.67	91	33744	3.602	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	38209	3.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	5474	3.327	ug/l	97
82) 4-Chlorotoluene	12.77	91	34059	3.569	ug/l	100
83) tert-Butylbenzene	12.99	119	32479	3.572	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	37873	3.515	ug/l	98
85) sec-Butylbenzene	13.17	105	43959	3.529	ug/l	99
86) p-Isopropyltoluene	13.29	119	37924	3.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	20435	3.521	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	20767	3.662	ug/l	92
89) n-Butylbenzene	13.62	91	35529	3.391	ug/l	99
90) Hexachloroethane	13.88	117	7712	3.754	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	20532	3.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4420	4.045	ug/l	83

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MSVOA_N
ClientSampleId :
VSTDICC005

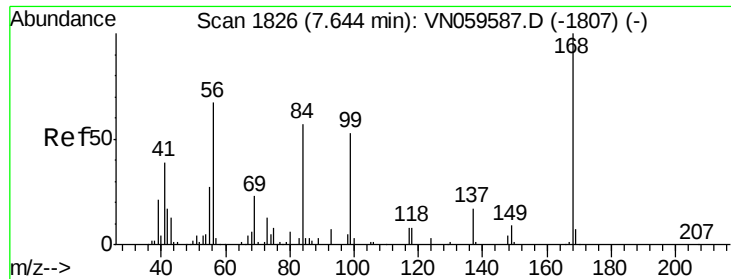
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11835	3.183	ug/l	98
94) Hexachlorobutadiene	15.01	225	7400	3.942	ug/l	98
95) Naphthalene	15.13	128	33317	3.041	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	12733	3.332	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 256687

Ion Ratio Lower Upper

168 100

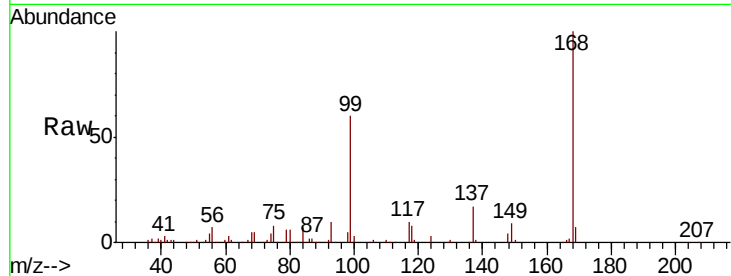
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Manual Integrations

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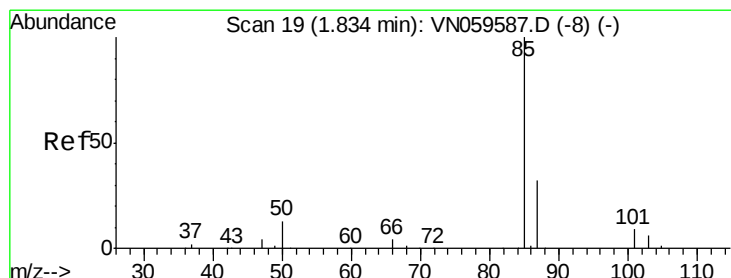
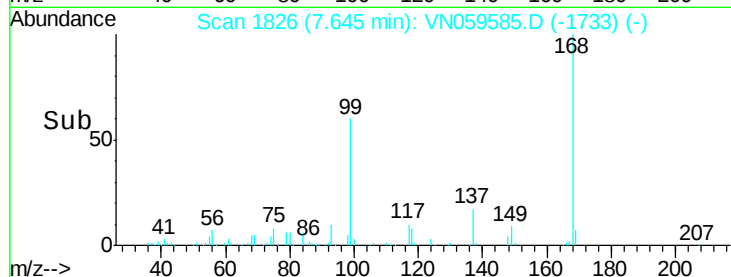
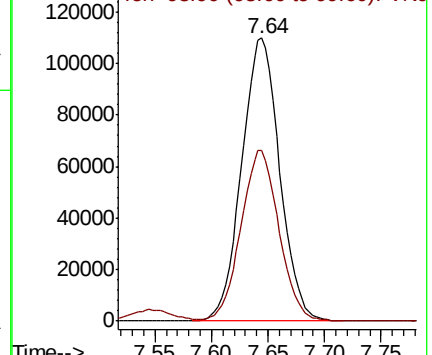
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 4.440 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059585.D

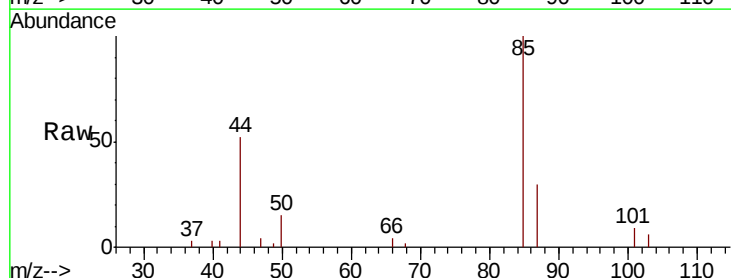
Acq: 13 Dec 2019 16:00

Tgt Ion: 85 Resp: 13551

Ion Ratio Lower Upper

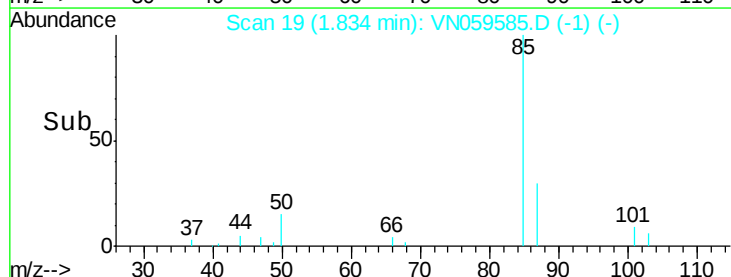
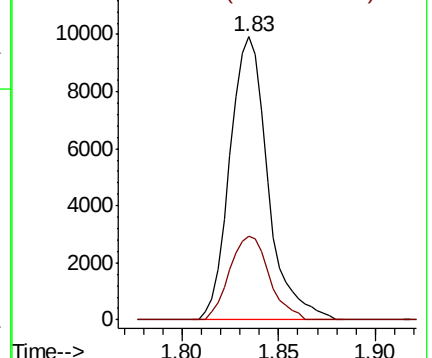
85 100

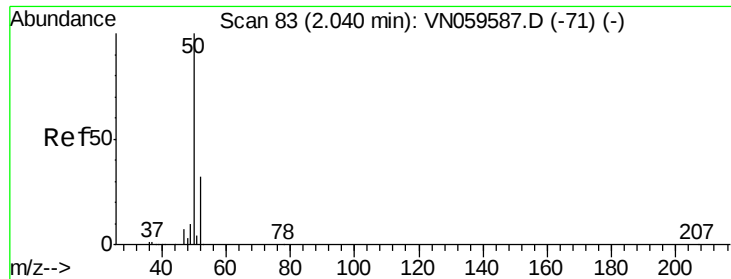
87 29.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 4.281 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20007

Ion Ratio Lower Upper

50 100

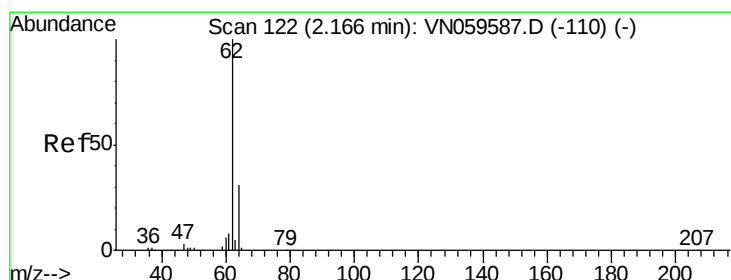
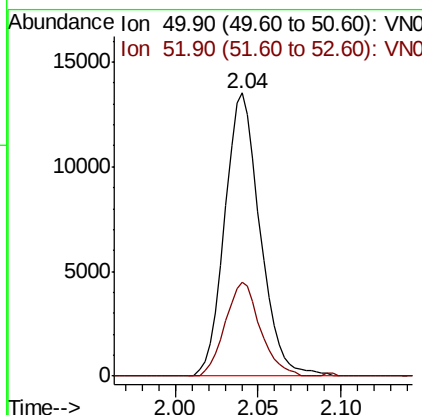
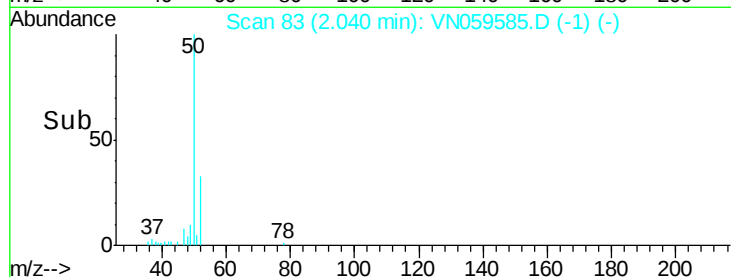
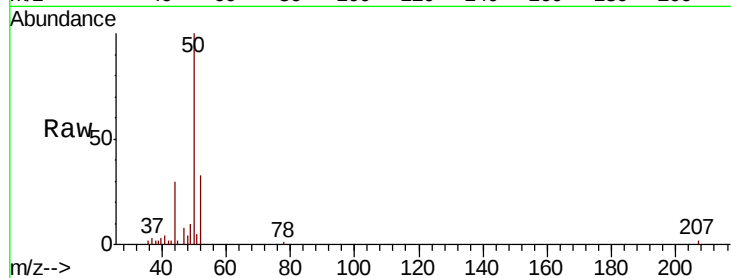
52 33.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 4.238 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059585.D

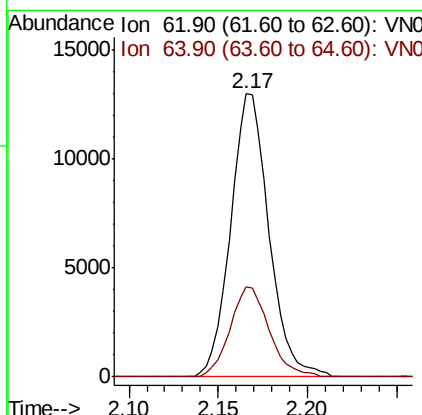
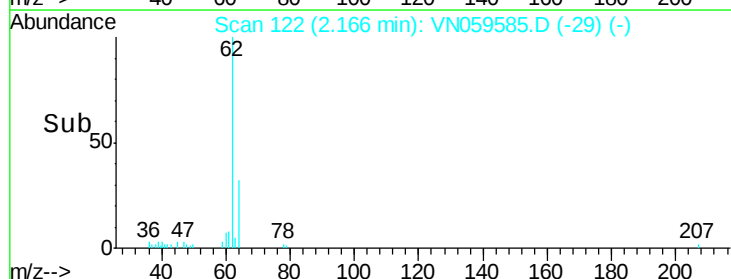
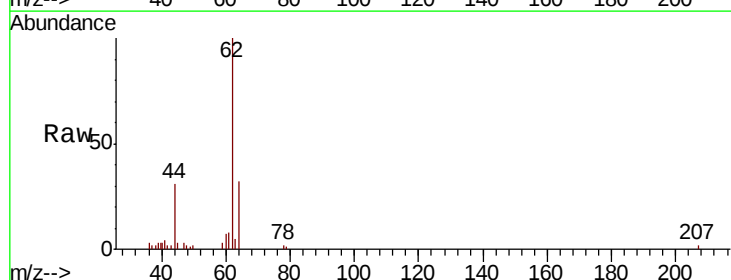
Acq: 13 Dec 2019 16:00

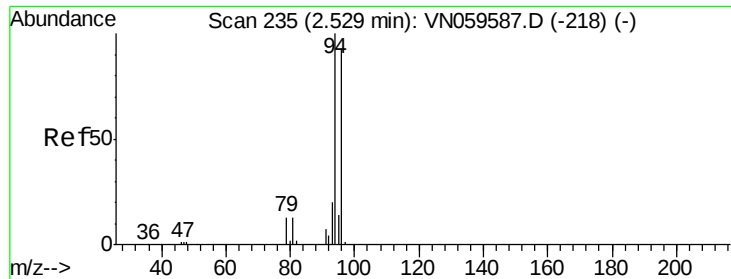
Tgt Ion: 62 Resp: 19320

Ion Ratio Lower Upper

62 100

64 31.8 24.6 37.0





#5

Bromomethane

Concen: 4.371 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12180

Ion Ratio Lower Upper

94 100

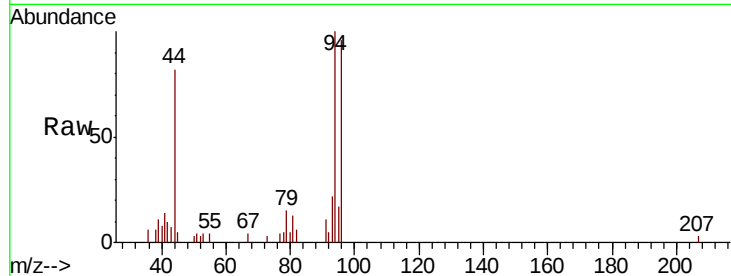
96 96.4 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

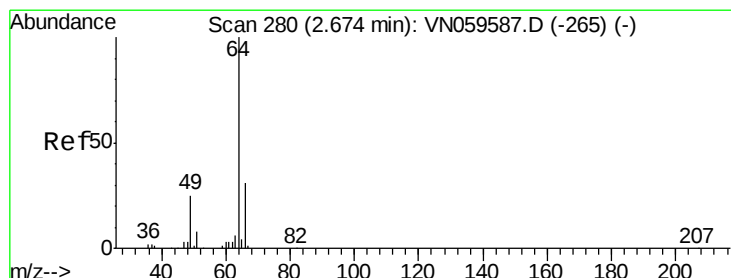
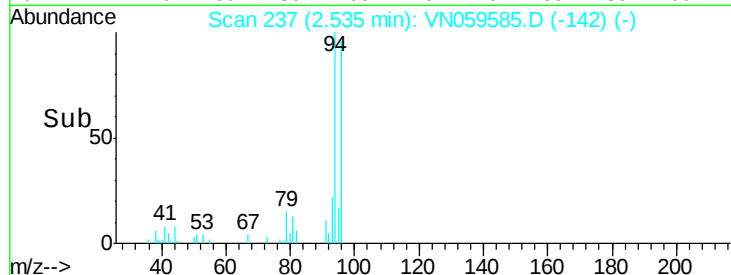
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 4.158 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN059585.D

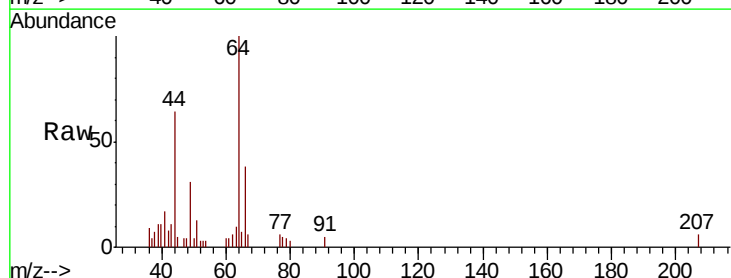
Acq: 13 Dec 2019 16:00

Tgt Ion: 64 Resp: 11247

Ion Ratio Lower Upper

64 100

66 38.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

6000

5000

4000

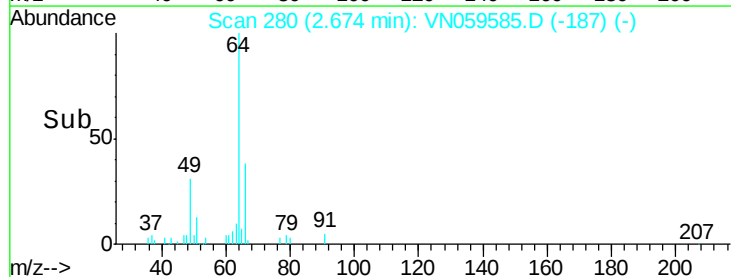
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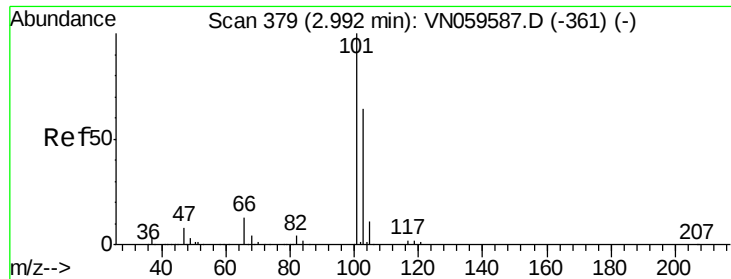
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1000

0

Time-->





#7

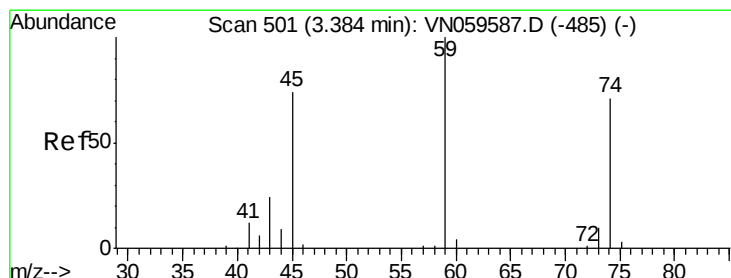
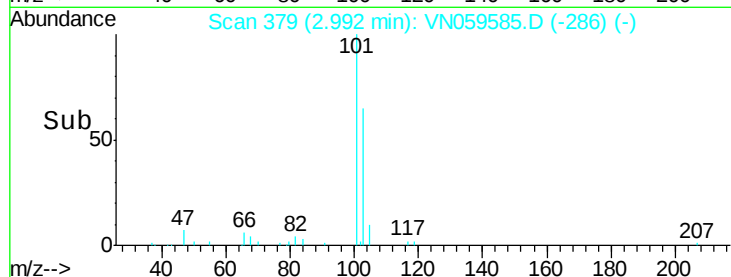
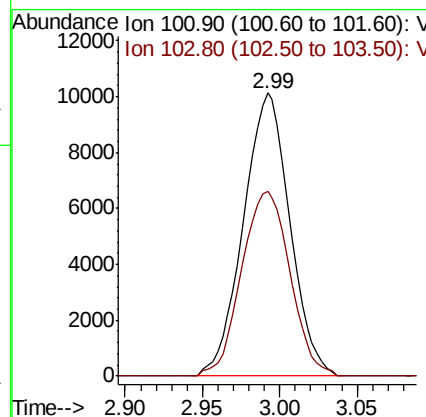
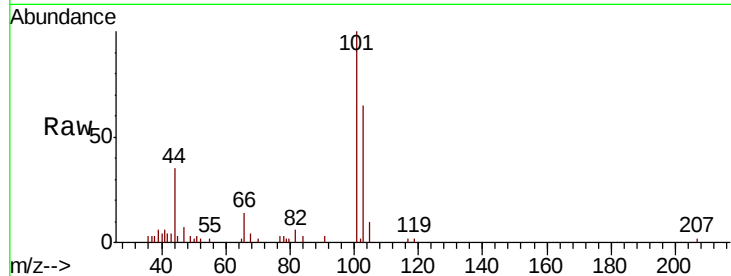
Trichlorofluoromethane
Concen: 3.907 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.6

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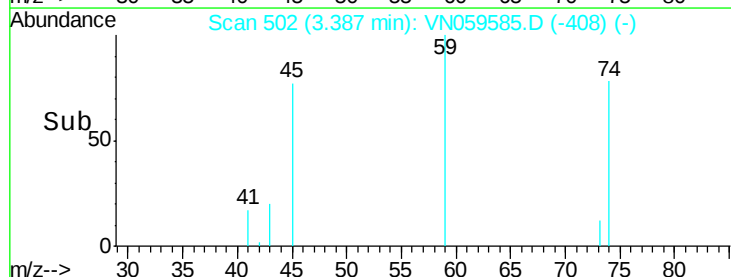
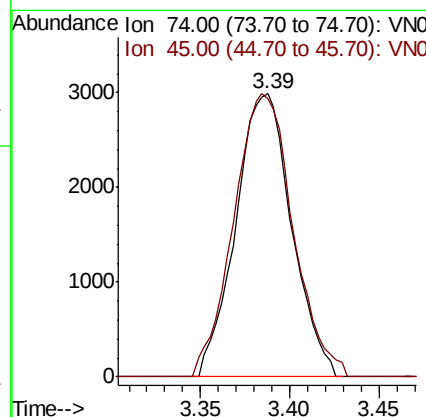
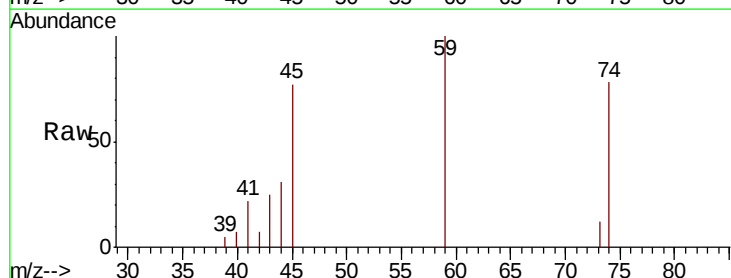
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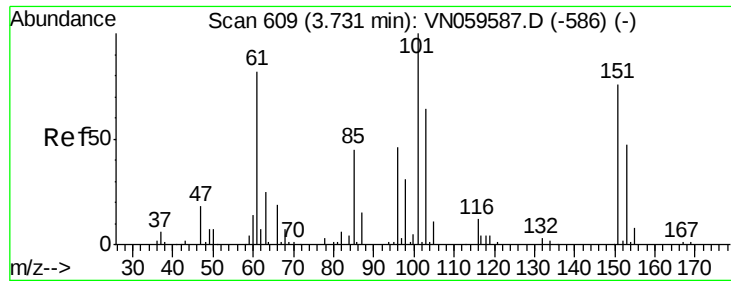


#8

Diethyl Ether
Concen: 3.527 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.559 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

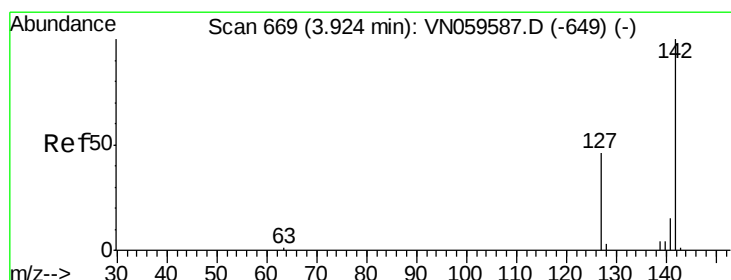
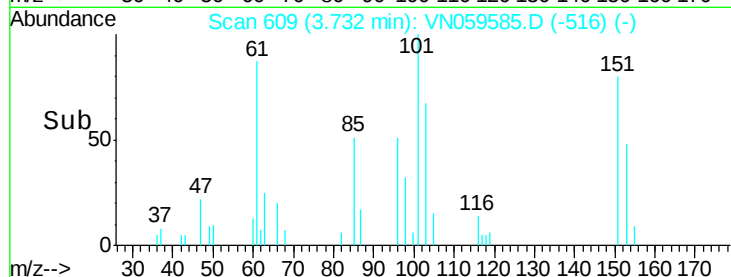
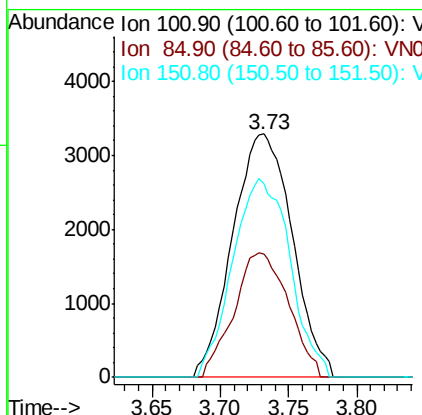
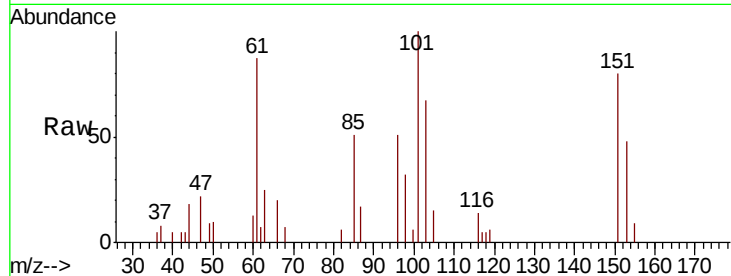
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9971
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.6	54.8
151	78.6	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 3.357 ug/l

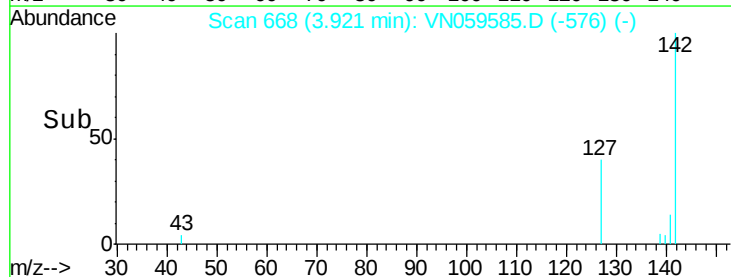
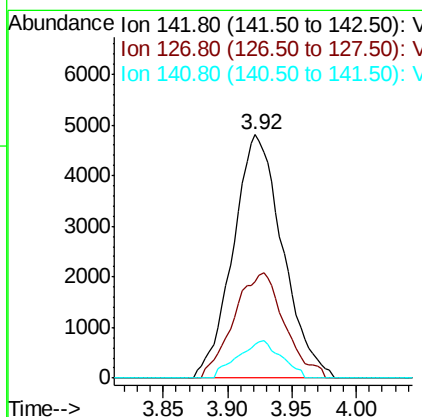
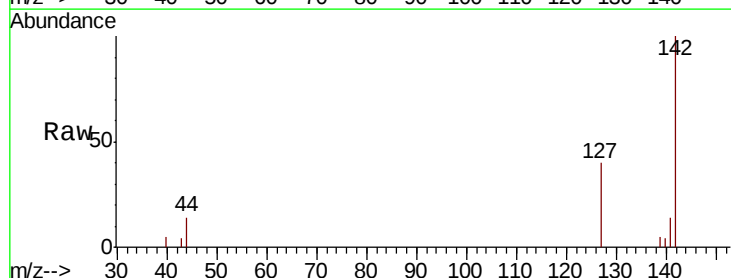
RT: 3.92 min Scan# 668

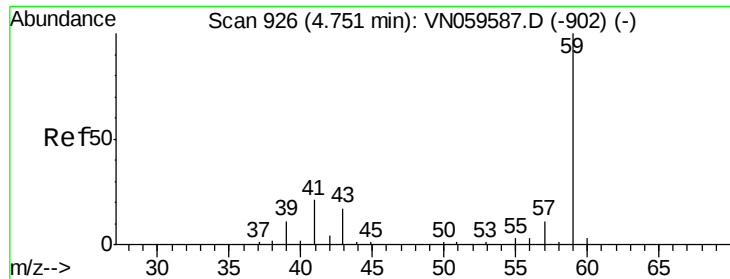
Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion:	142	Resp:	12853
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.7	55.1
141	13.5	11.7	17.5





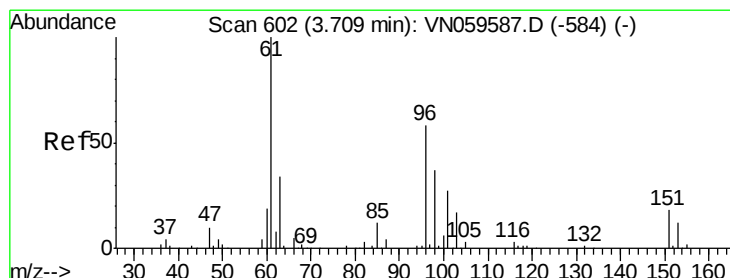
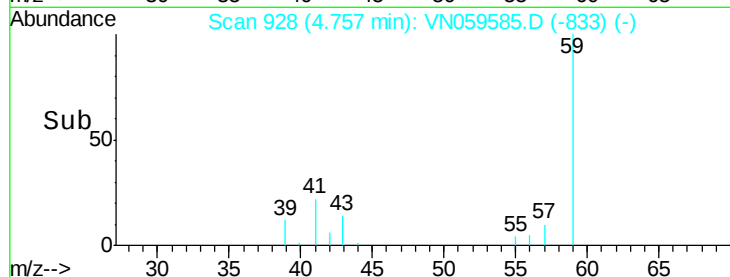
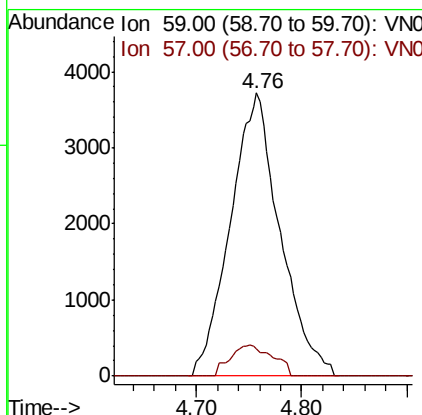
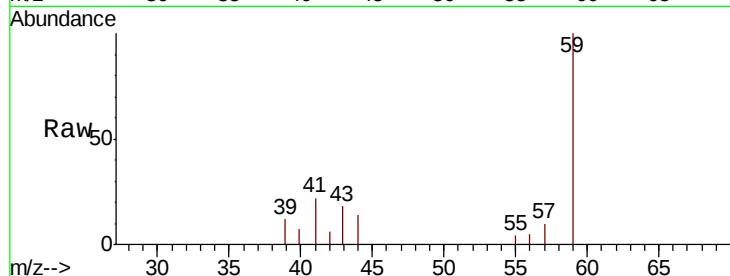
#11
Tert butyl alcohol
Concen: 19.543 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.6	12.8

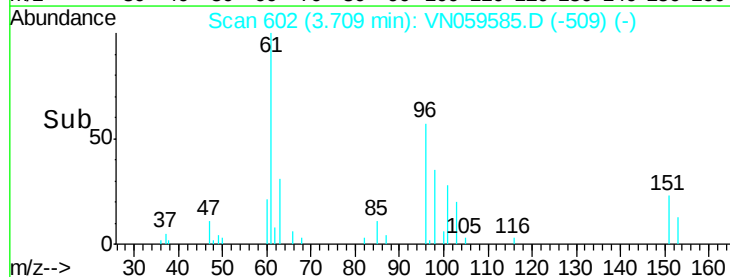
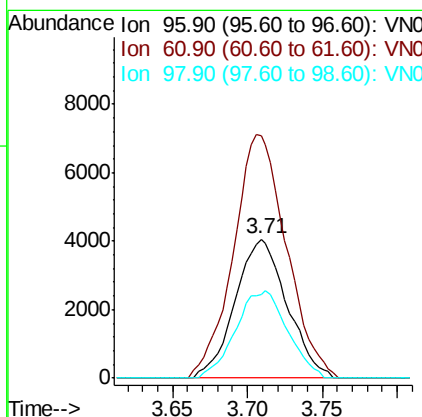
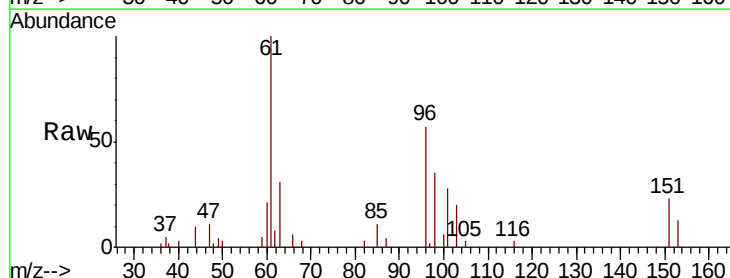
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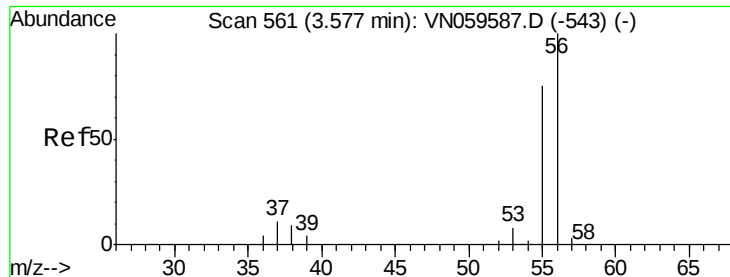
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#12
1,1-Dichloroethene
Concen: 3.567 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.0	137.5	206.3
98	60.3	50.2	75.4





#13

Acrolein

Concen: 25.210 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8950

Ion Ratio Lower Upper

56 100

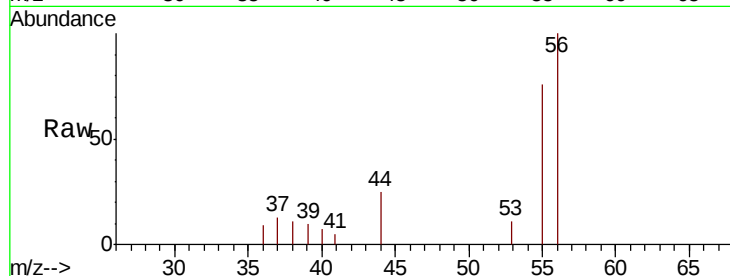
55 72.3 58.6 88.0

Manual Integrations

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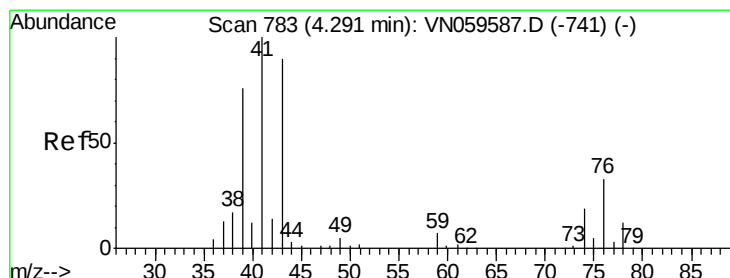
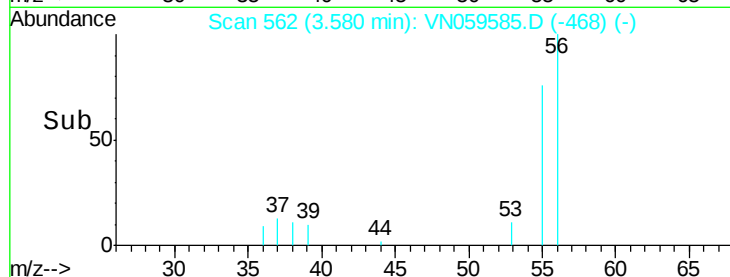
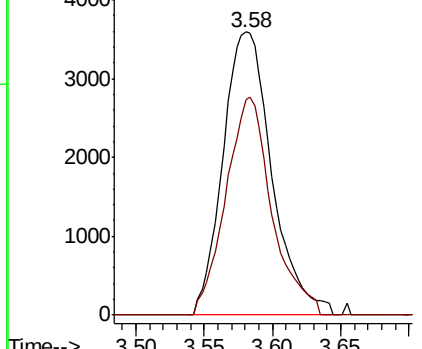
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Abundance Ion 56.00 (55.70 to 56.70): VN059585.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN059585.D (-468) (-)



#14

Allyl chloride

Concen: 3.640 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

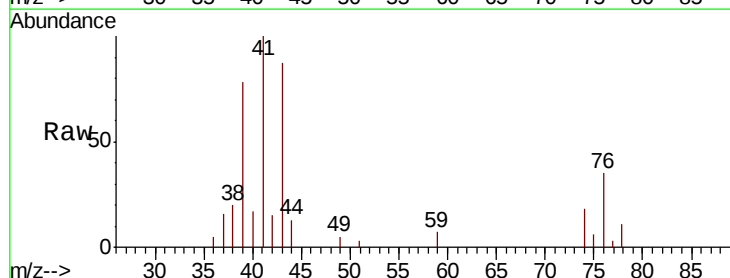
Tgt Ion: 41 Resp: 19127

Ion Ratio Lower Upper

41 100

39 76.5 57.8 86.8

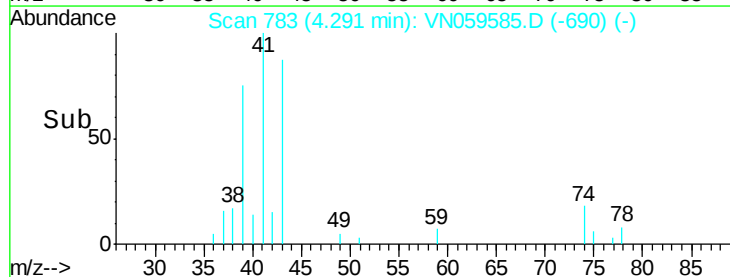
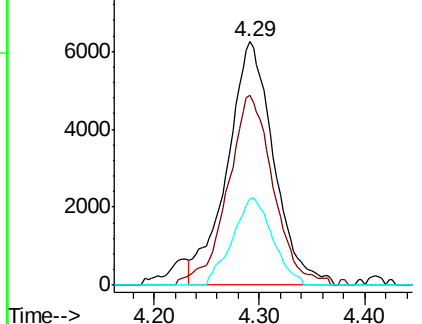
76 31.0 25.4 38.0

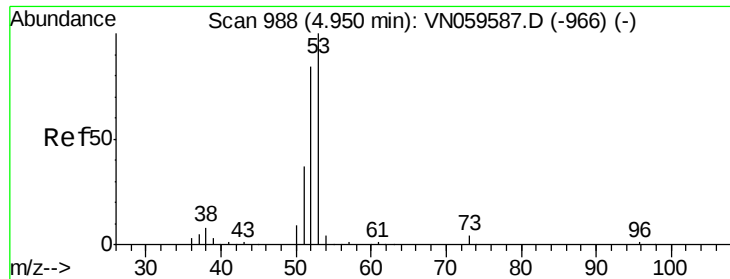


Abundance Ion 41.00 (40.70 to 41.70): VN059585.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN059585.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN059585.D (-690) (-)





#15

Acrylonitrile

Concen: 18.538 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

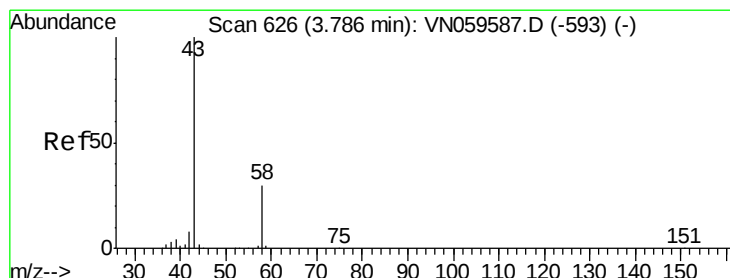
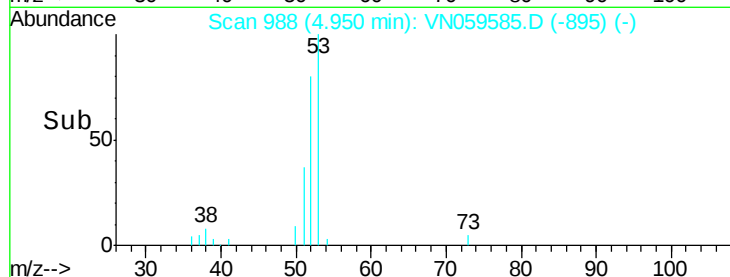
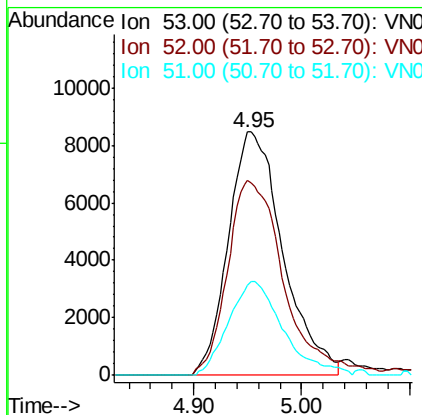
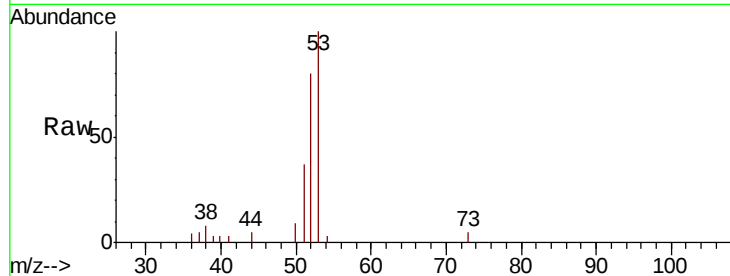
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	29741
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.3	99.5
51	38.7	29.7	44.5

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#16

Acetone

Concen: 20.156 ug/l

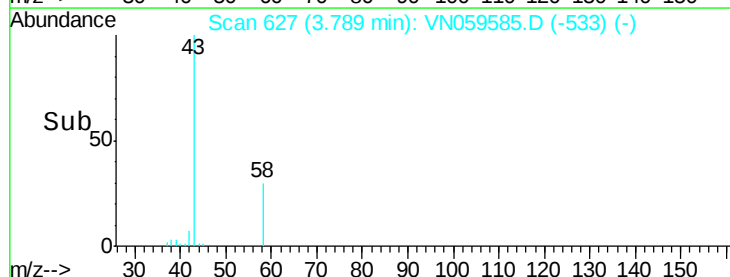
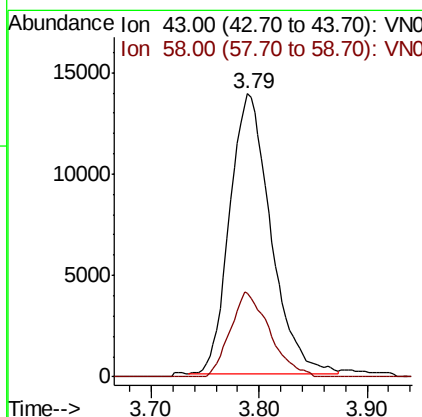
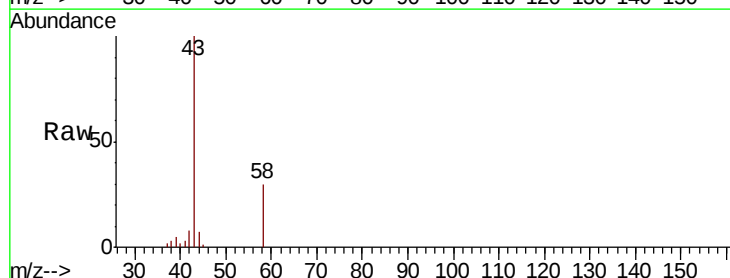
RT: 3.79 min Scan# 627

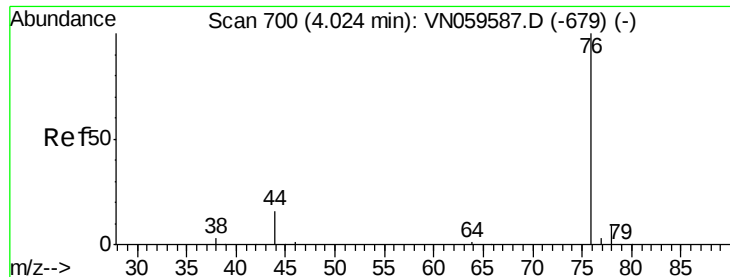
Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion:	43	Resp:	36524
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.6	35.4





#17

Carbon Disulfide

Concen: 3.326 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 33457

Ion Ratio Lower Upper

76 100

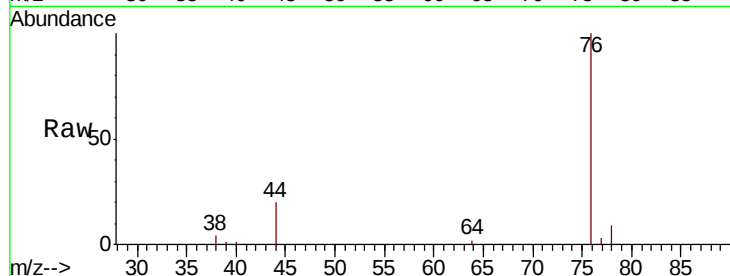
78 9.4 7.4 11.0

Manual Integrations

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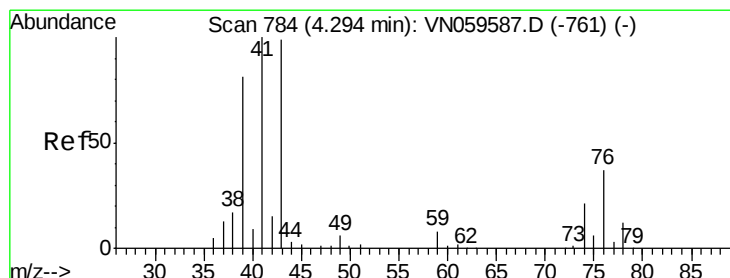
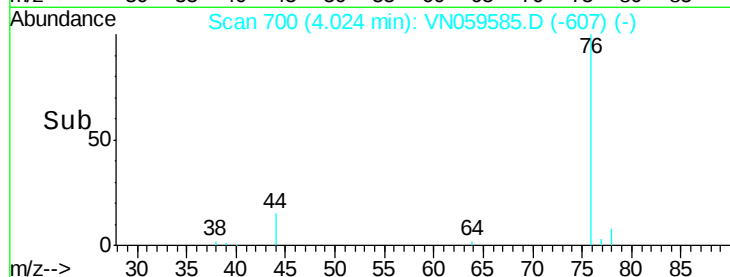
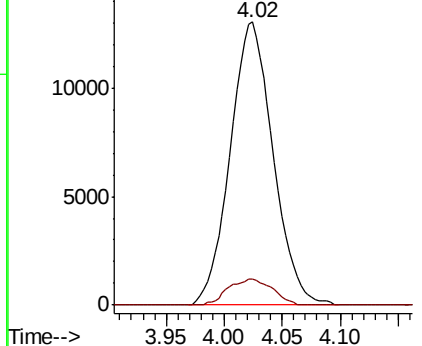
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 3.799 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059585.D

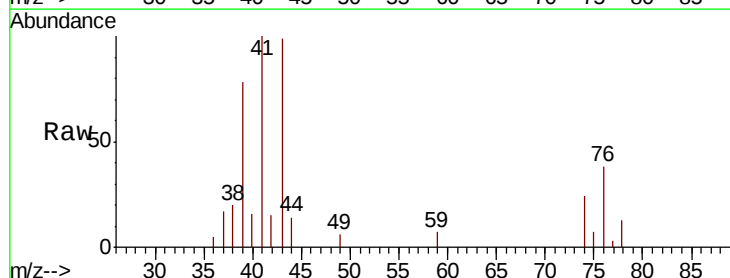
Acq: 13 Dec 2019 16:00

Tgt Ion: 43 Resp: 17139

Ion Ratio Lower Upper

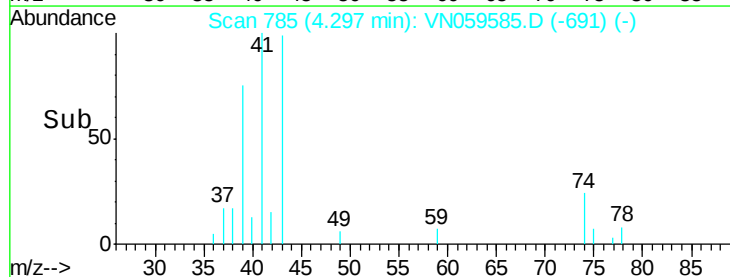
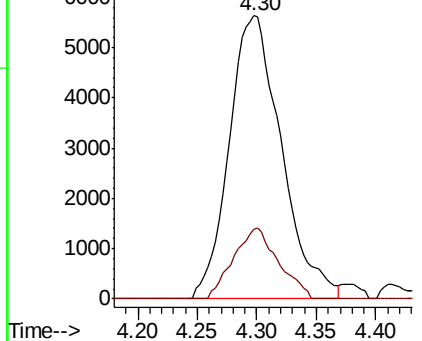
43 100

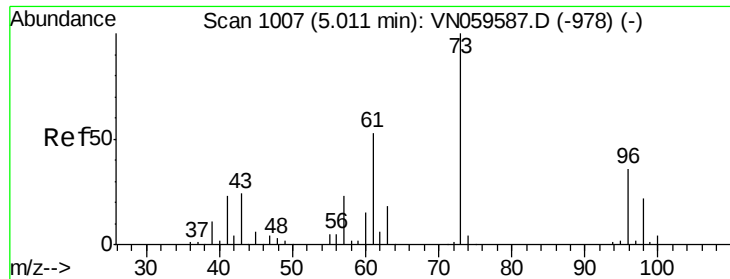
74 21.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





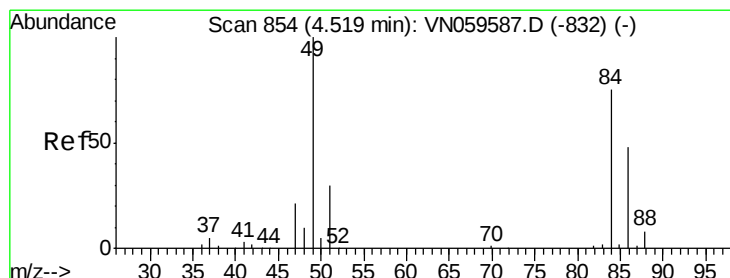
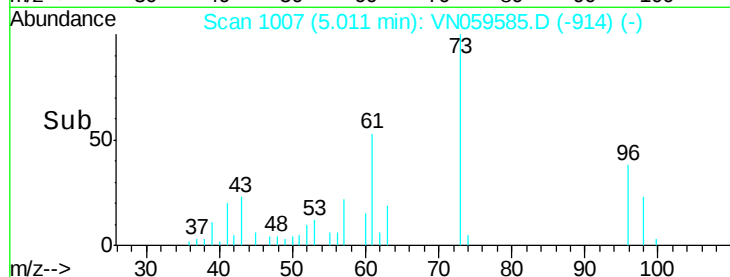
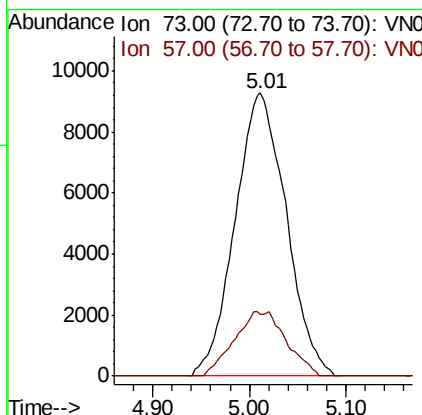
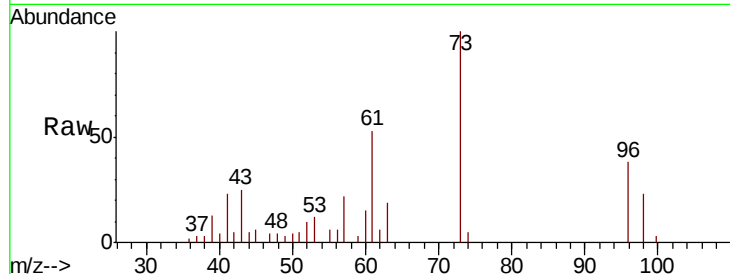
#19
Methvl tert-butvl Ether
Concen: 3.739 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 34010
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8

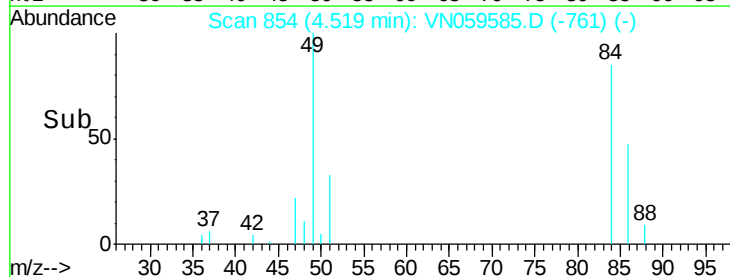
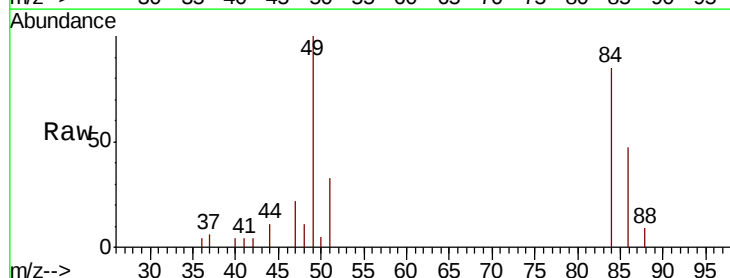
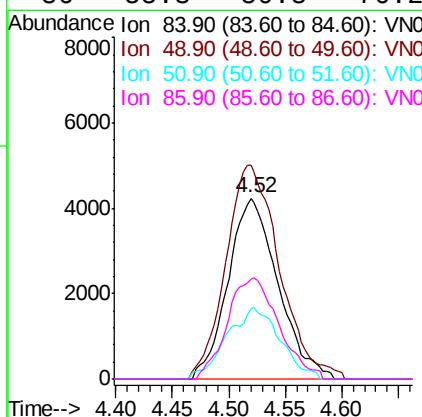
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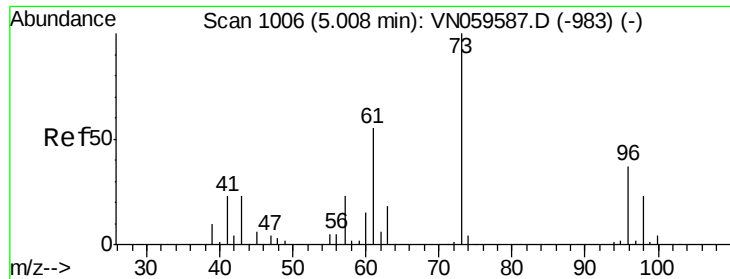
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#20
Methylene Chloride
Concen: 3.753 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 84 Resp: 13026
Ion Ratio Lower Upper
84 100
49 117.7 106.6 160.0
51 39.2 31.9 47.9
86 55.3 50.8 76.2





#21

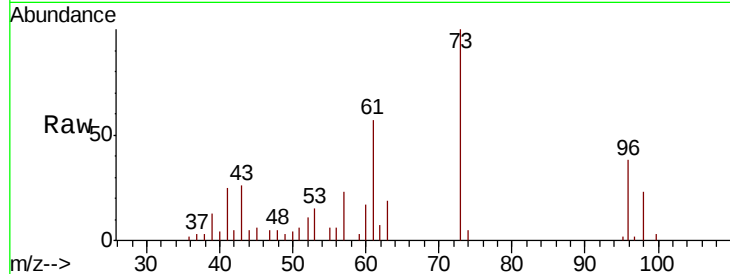
trans-1,2-Dichloroethene
Concen: 3.780 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

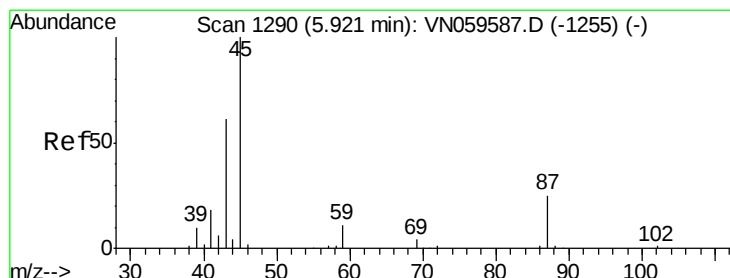
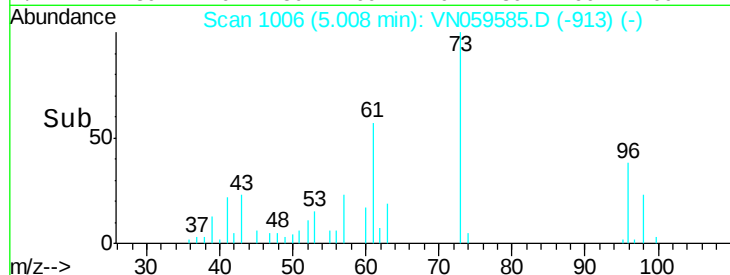
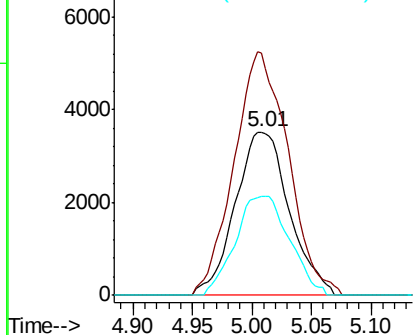
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	120.4	180.6
98	60.4	50.6	75.8

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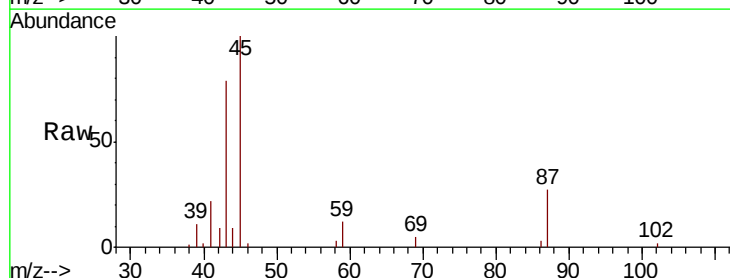
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



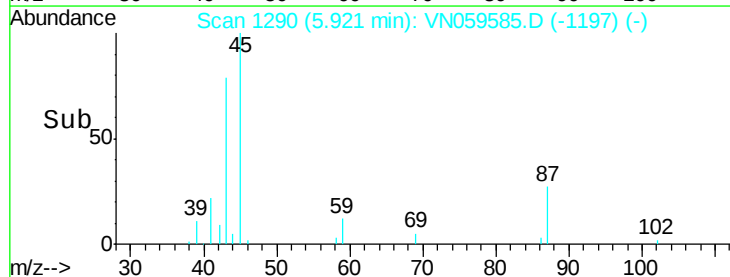
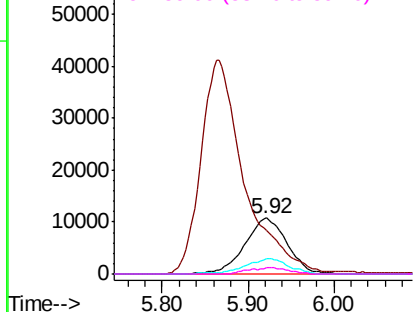
#22

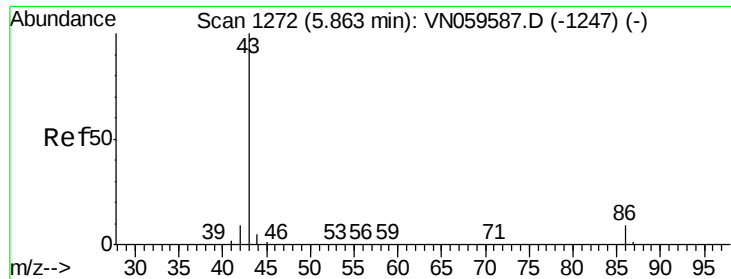
Diisopropyl ether
Concen: 3.674 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.7	50.8	76.2
87	27.1	21.0	31.6
59	11.5	9.1	13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 17.438 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 144401

Ion Ratio Lower Upper

43 100

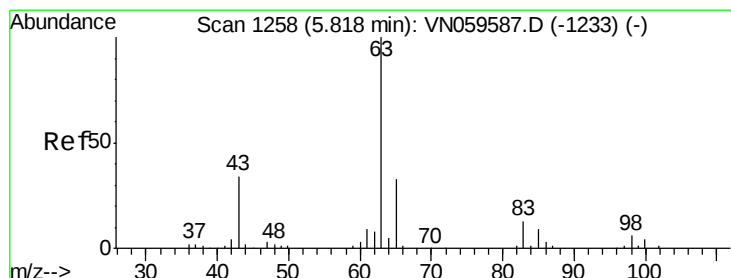
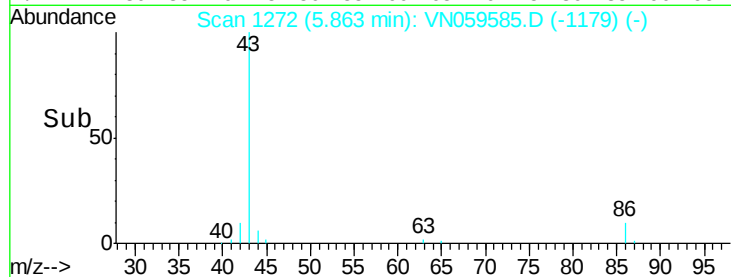
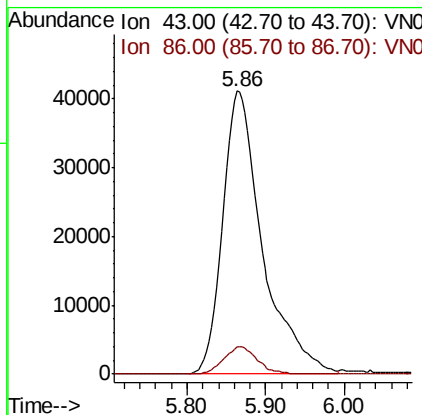
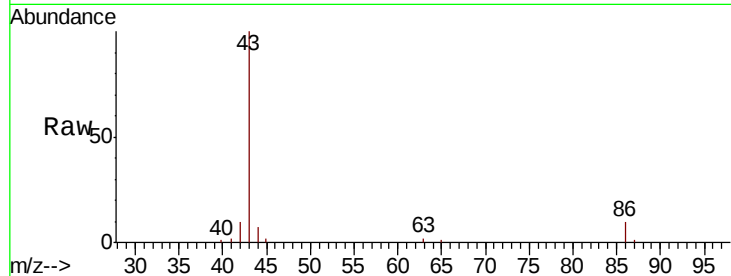
86 9.6 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 3.849 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

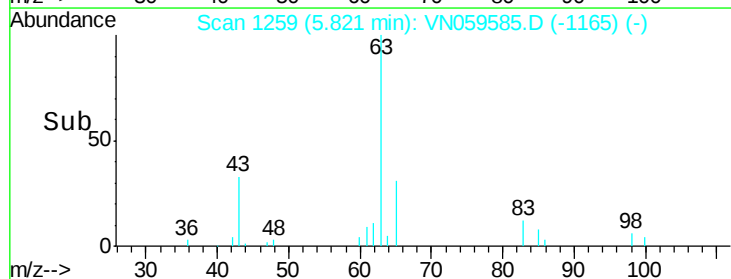
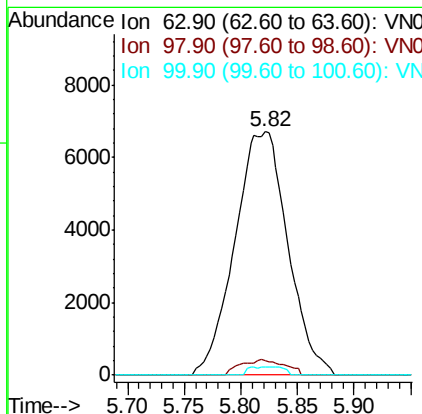
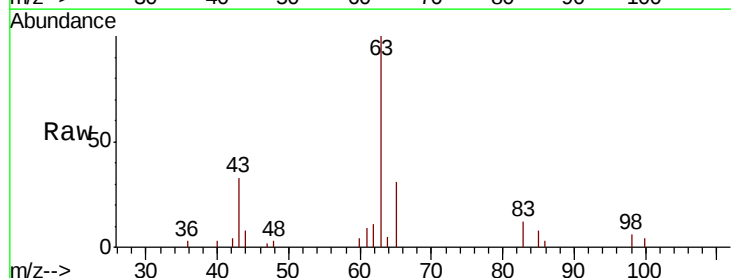
Tgt Ion: 63 Resp: 21872

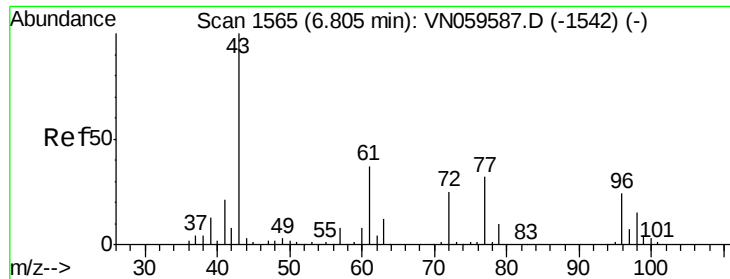
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 19.708 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tot Ion: 43 Resp: 46323

Ion Ratio Lower Upper

43 100

72 26.3 19.9 29.9

Instrument :

MSVOA_N

ClientSampleId :

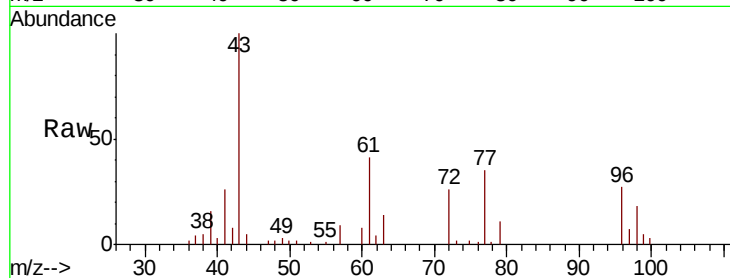
VSTDIC005

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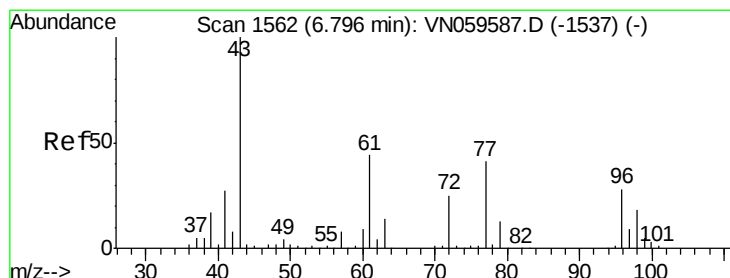
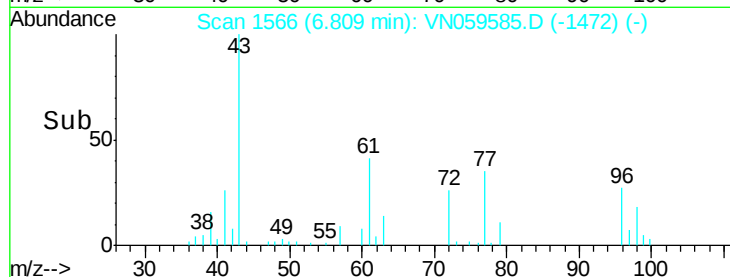
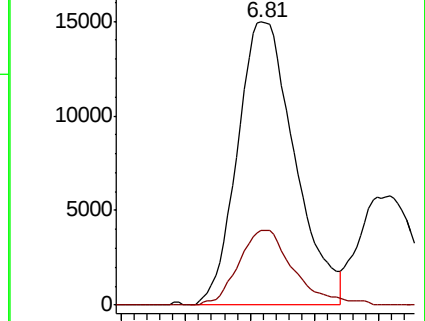
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 3.913 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059585.D

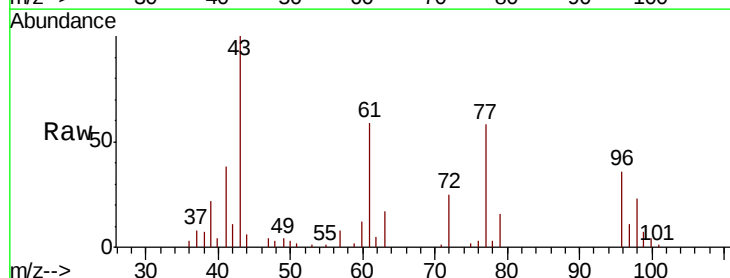
Acq: 13 Dec 2019 16:00

Tgt Ion: 77 Resp: 20105

Ion Ratio Lower Upper

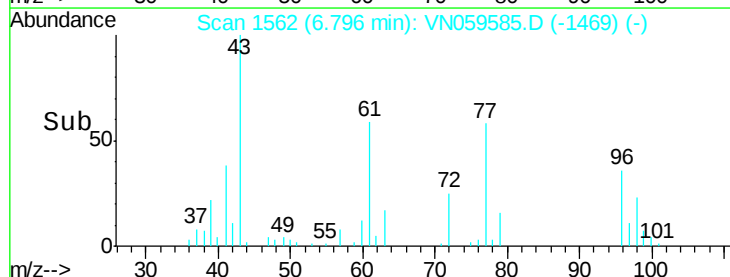
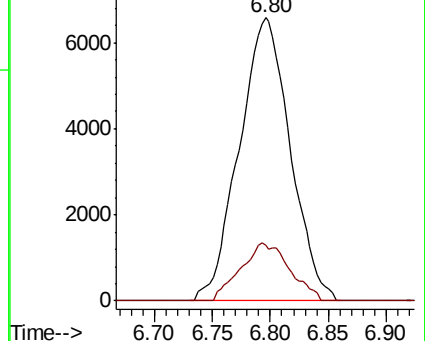
77 100

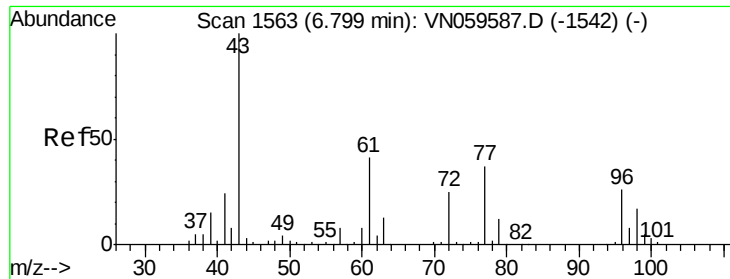
97 19.7 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 3.853 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

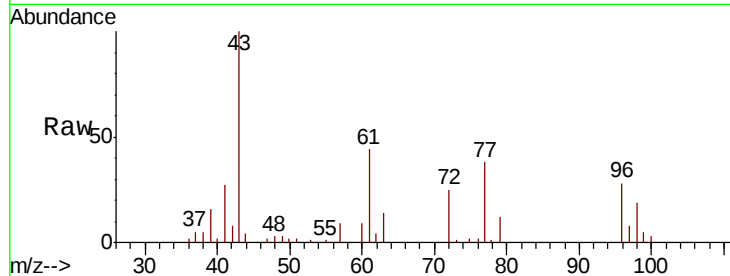
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	12717
Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	317.6
98	62.1	0.0	127.0

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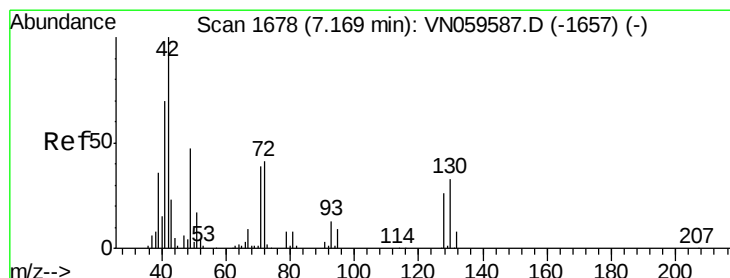
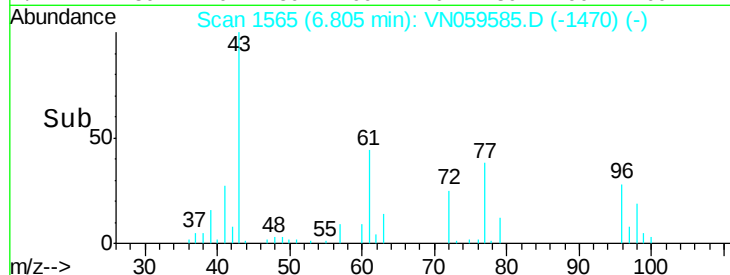
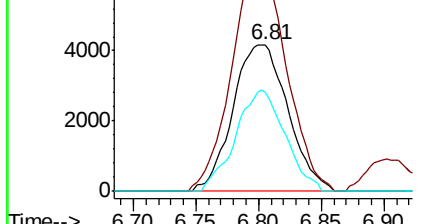
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Abundance Ion 95.90 (95.60 to 96.60): VN059585.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059585.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059585.D (-1470) (-)



#28

Bromochloromethane

Concen: 3.344 ug/l

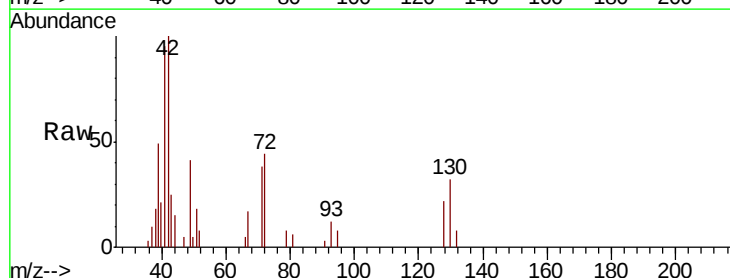
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

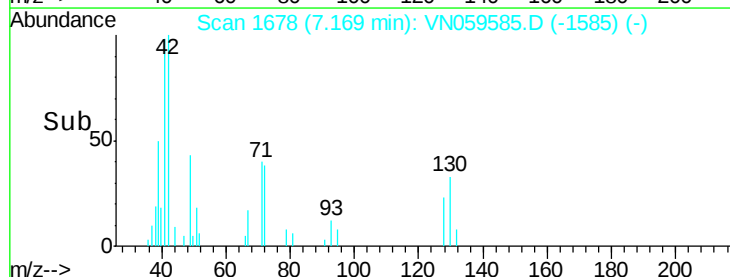
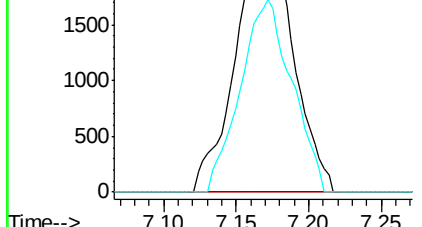
Tgt Ion:	49	Resp:	6189
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	68.8	54.7	82.1

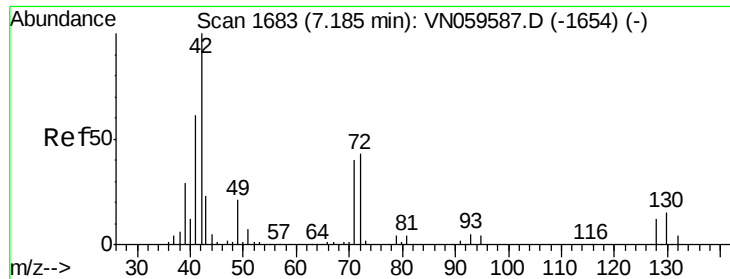


Abundance Ion 48.90 (48.60 to 49.60): VN059585.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059585.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059585.D (-1585) (-)





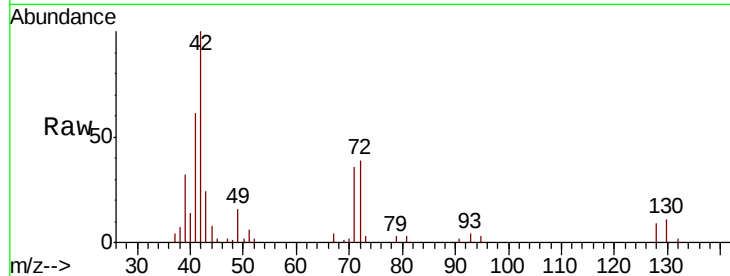
#29
Tetrahydrofuran
Concen: 17.848 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

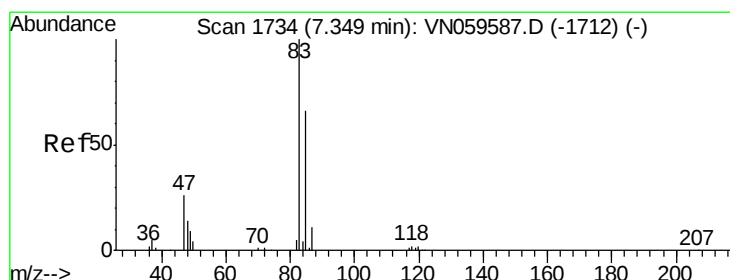
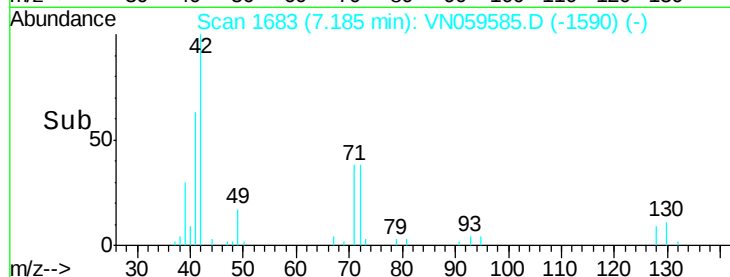
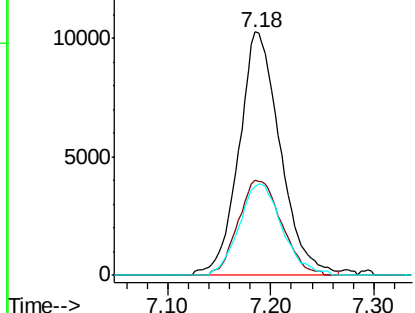
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.1	49.7
71	39.1	31.4	47.0

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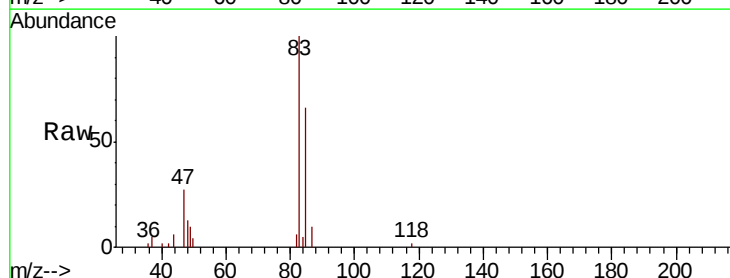


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

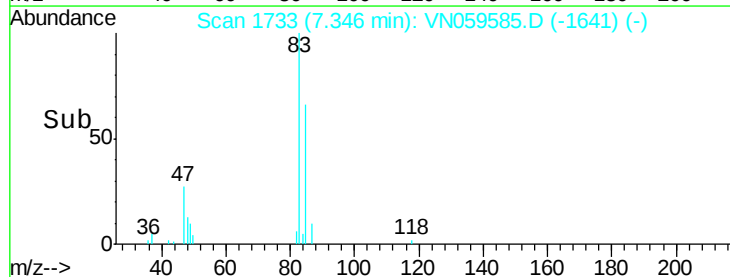
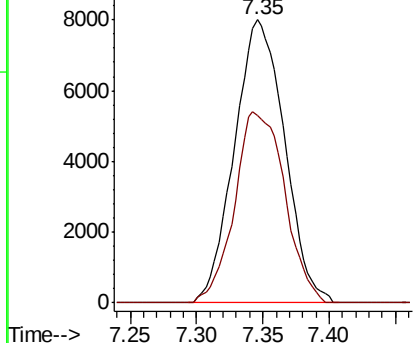


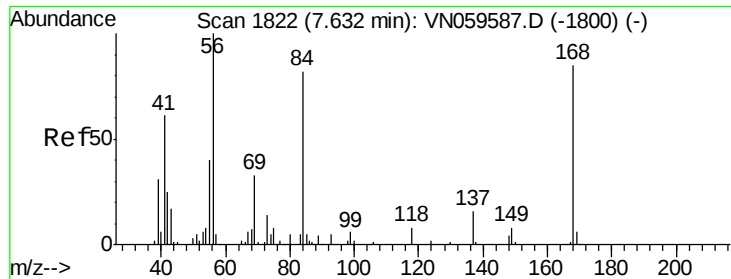
#30
Chloroform
Concen: 3.752 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





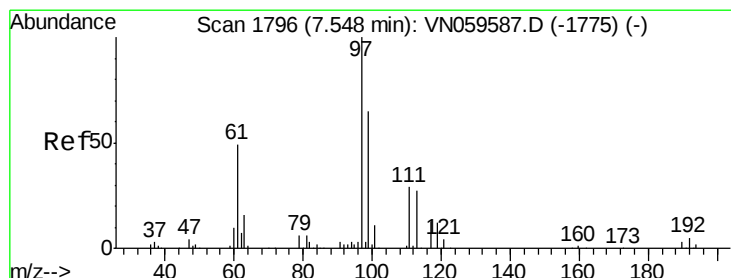
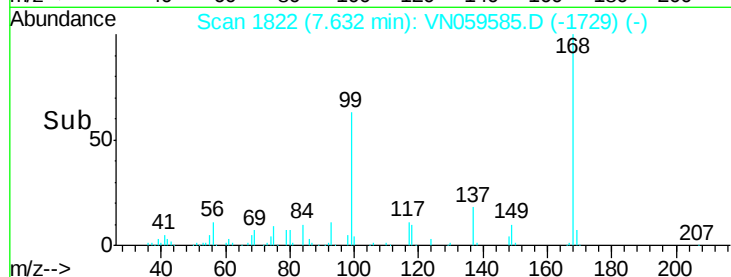
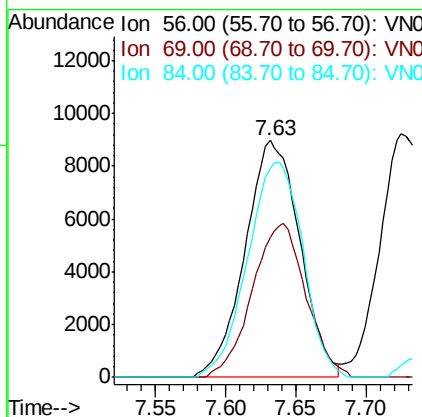
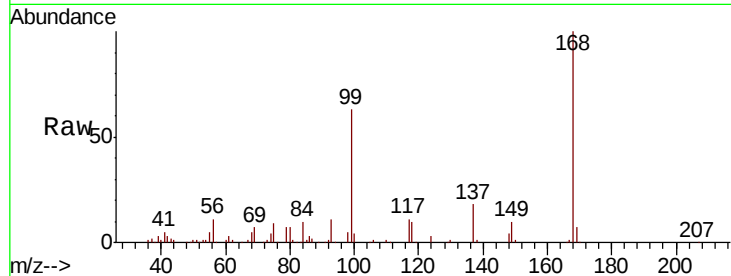
#31
Cyclohexane
Concen: 4.415 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	59.2	26.5	39.7#
84	88.5	65.3	97.9

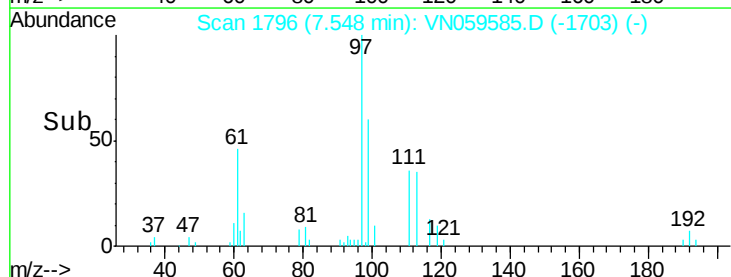
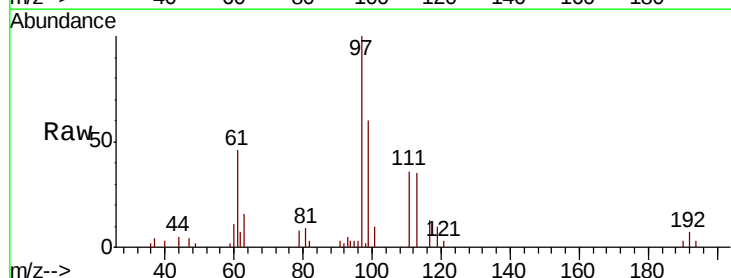
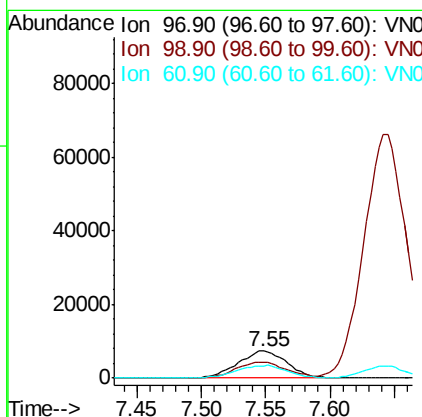
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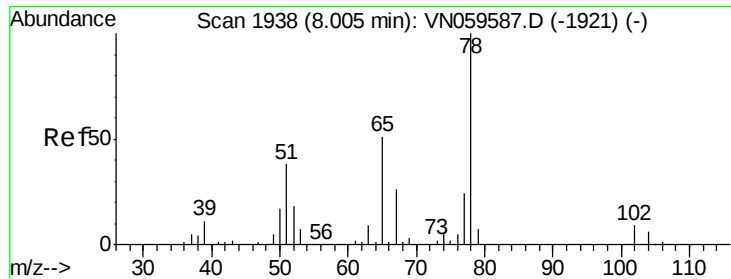
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#32
1,1,1-Trichloroethane
Concen: 3.907 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
97	100		
61	61.4	51.0	76.4
111	48.8	38.5	57.7





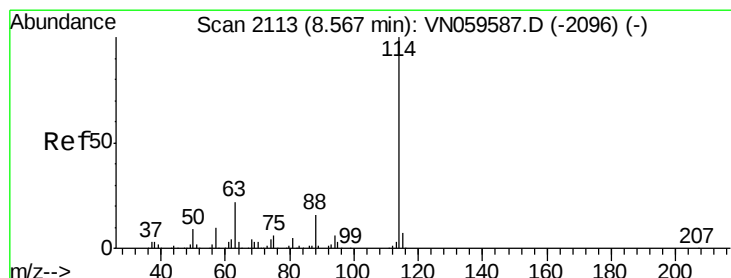
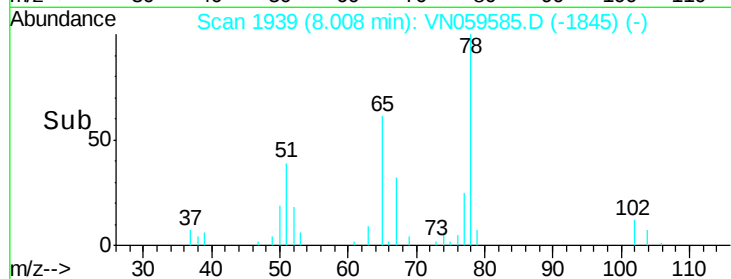
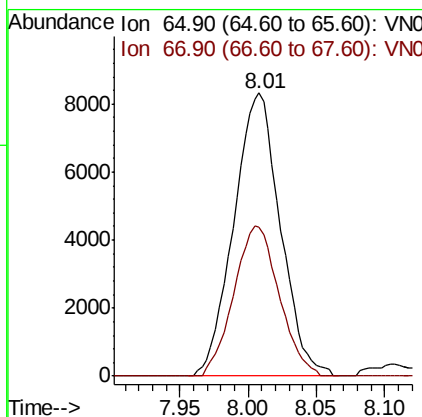
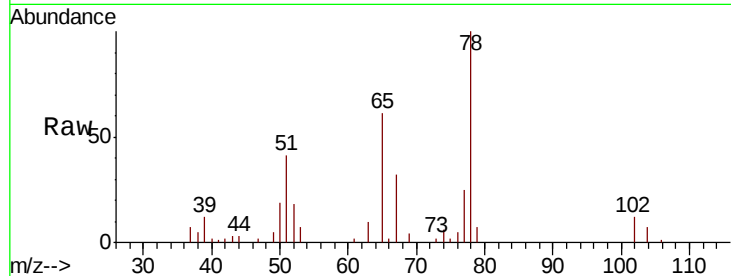
#33
 1,2-Dichloroethane-d4
 Concen: 5.341 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	19691		
67	51.7	0.0	103.0	

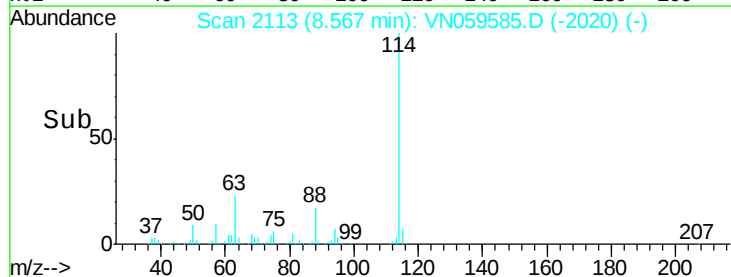
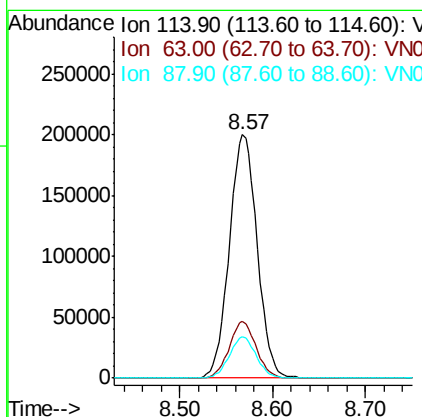
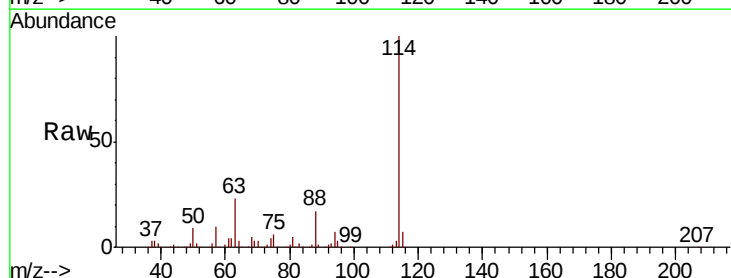
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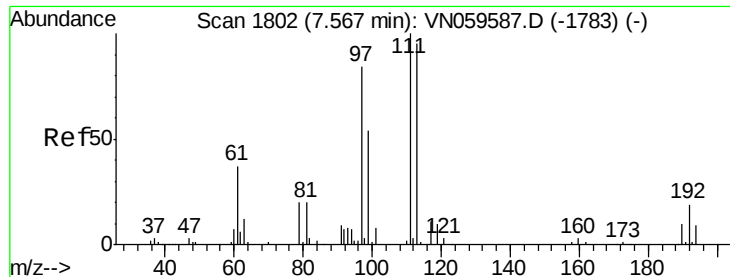
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416468		
63	23.1	0.0	43.6	
88	16.8	0.0	31.4	





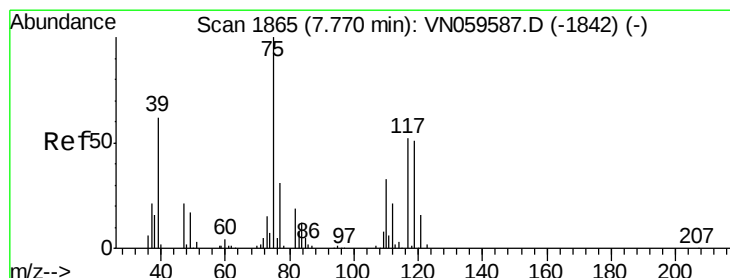
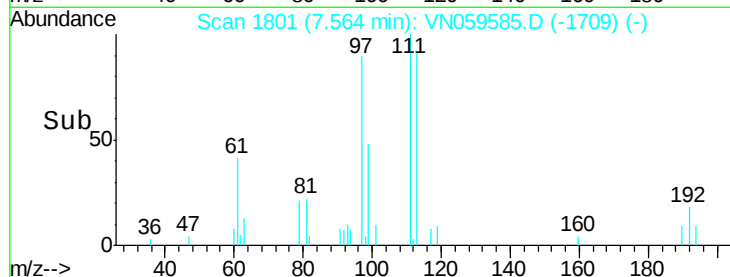
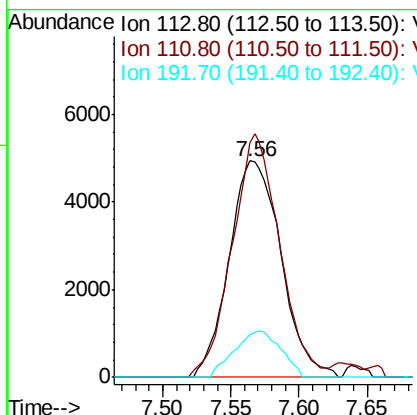
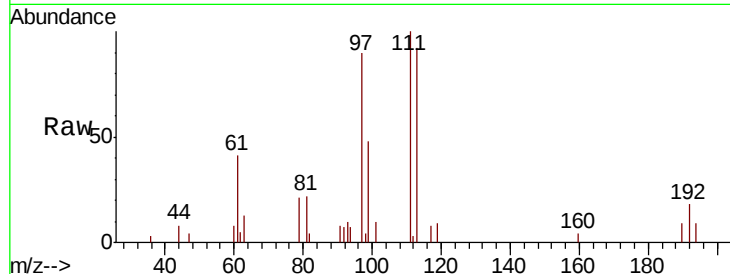
#35
 Dibromofluoromethane
 Concen: 5.154 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.5	125.3
192	19.2	15.4	23.2

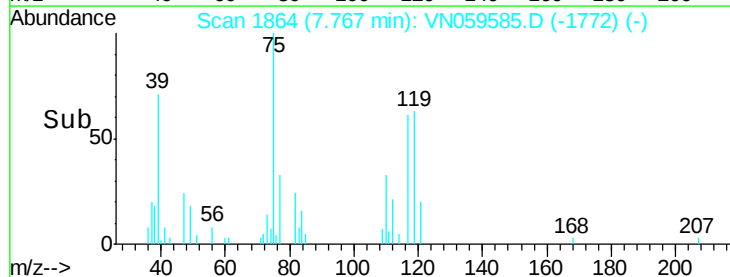
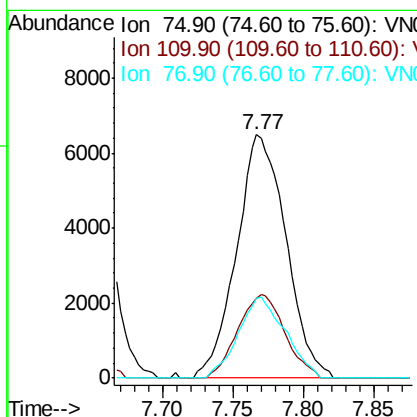
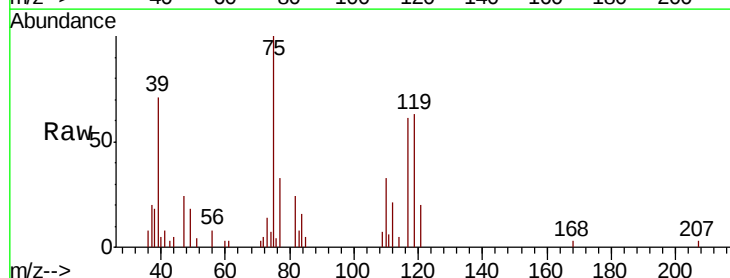
Manual Integrations
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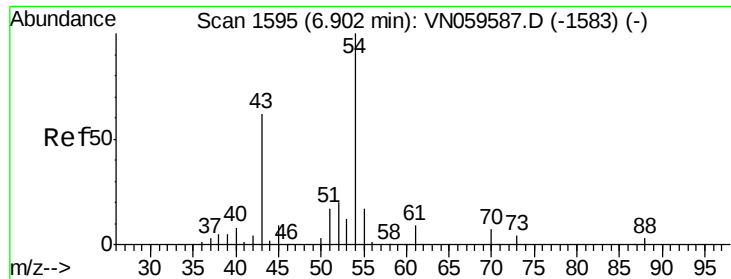
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#36
 1,1-Dichloropropene
 Concen: 3.660 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.6	49.7
77	31.5	25.1	37.7





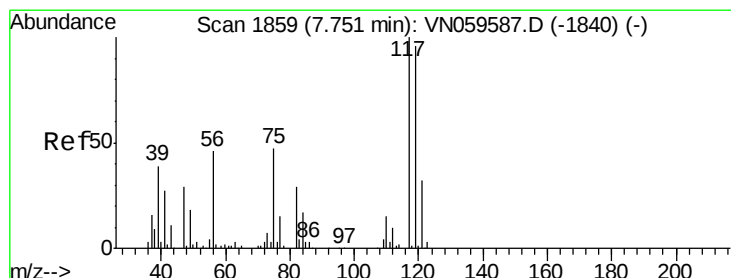
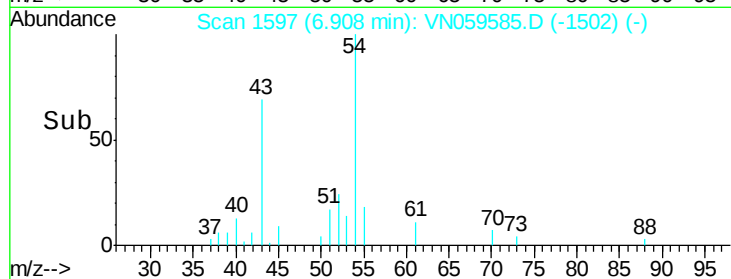
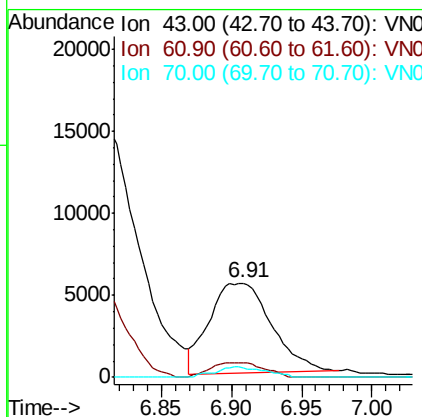
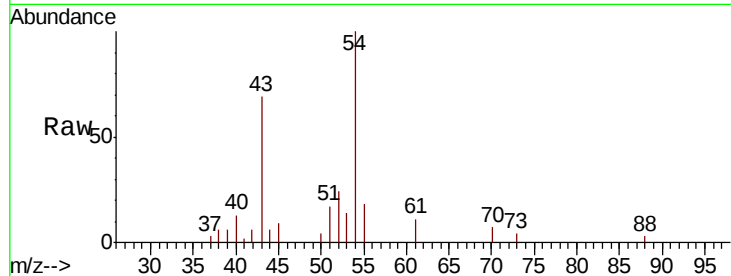
#37
Ethyl Acetate
Concen: 3.699 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	16725
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	9.4	7.7	11.5

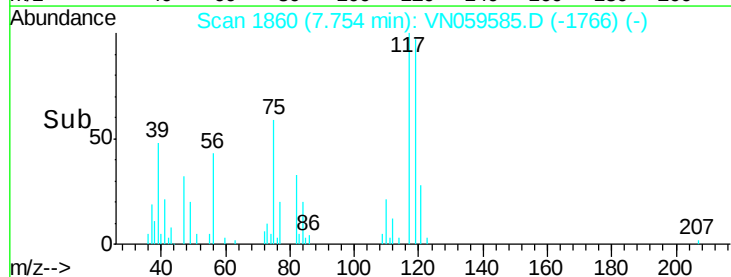
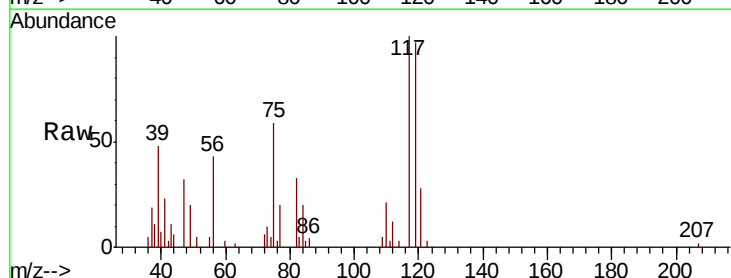
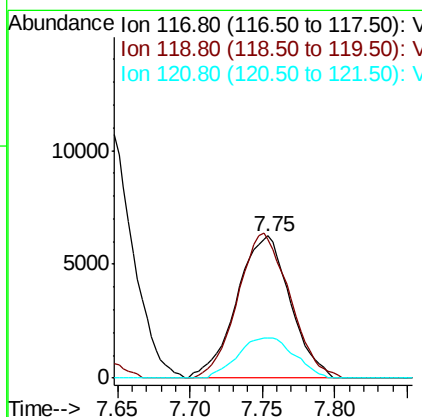
Manual Integrations
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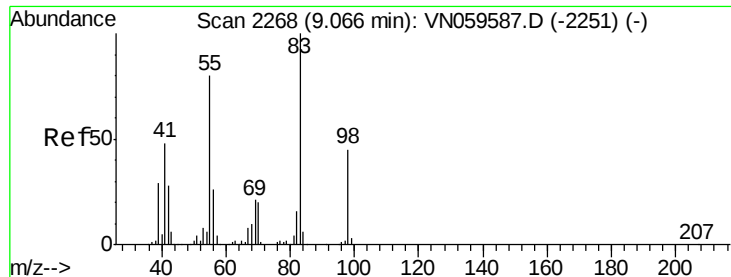
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#38
Carbon Tetrachloride
Concen: 3.731 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion:	117	Resp:	16001
Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.5	114.7
121	27.8	25.1	37.7





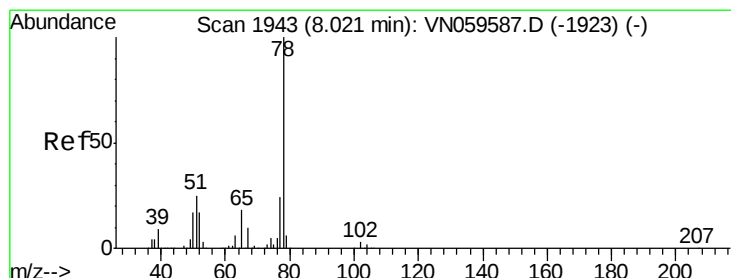
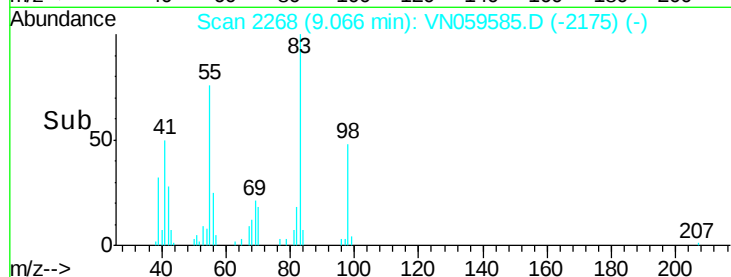
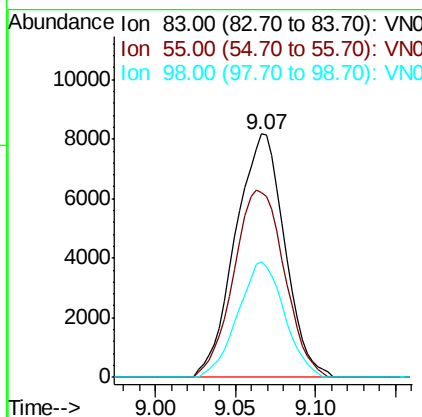
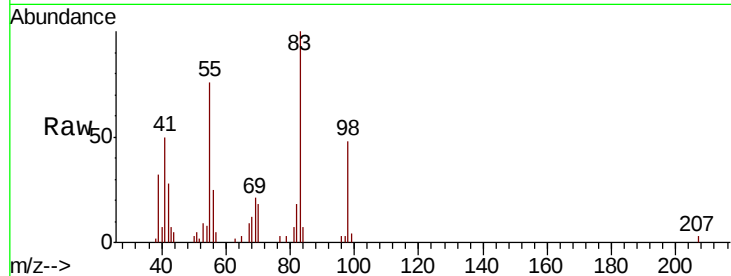
#39
Methvlcvclohexane
Concen: 3.546 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	64.2	96.2
98	47.6	35.9	53.9

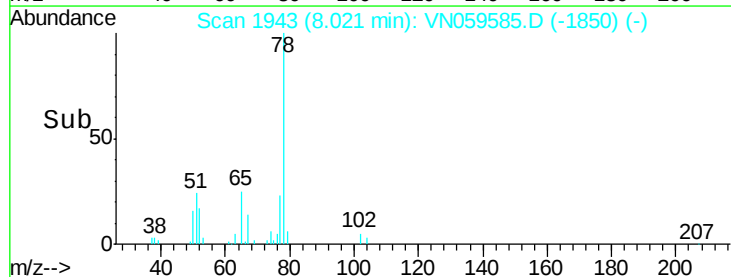
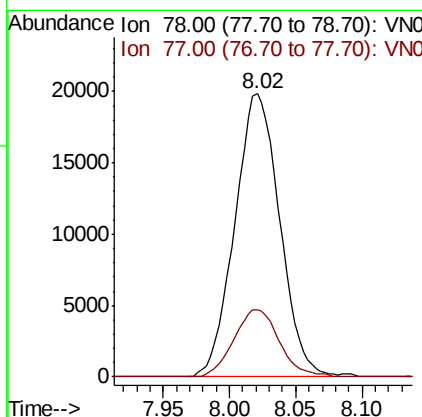
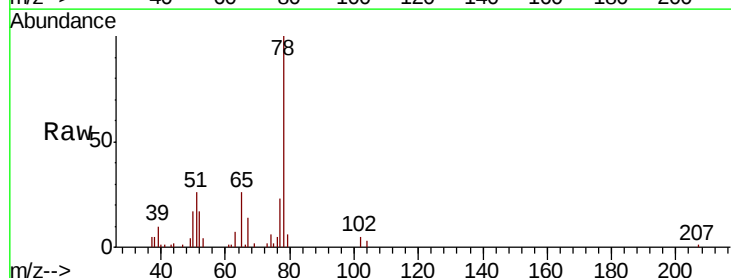
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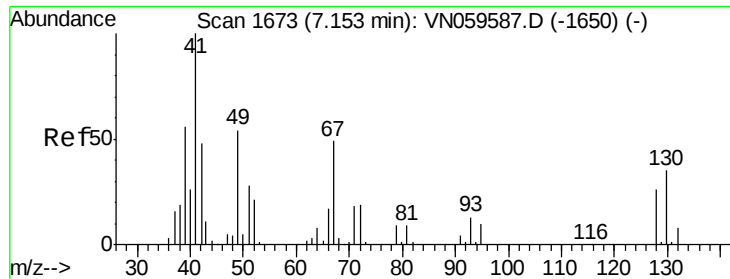
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#40
Benzene
Concen: 3.771 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





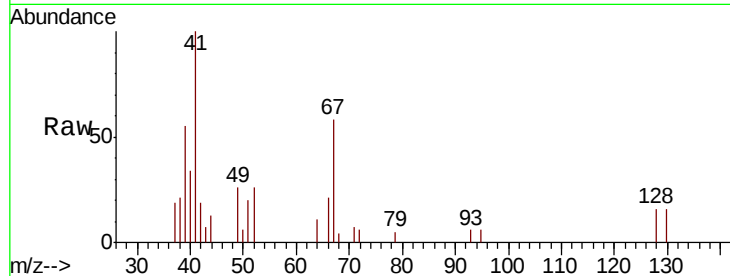
#41
Methacrylonitrile
Concen: 3.095 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

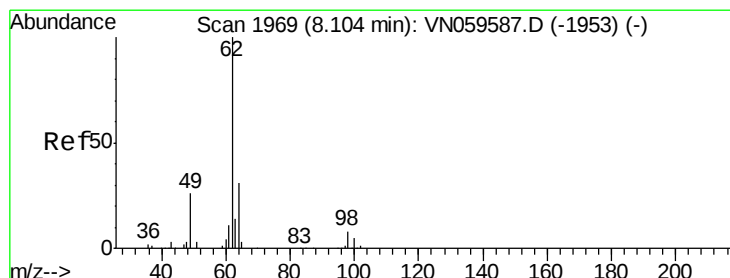
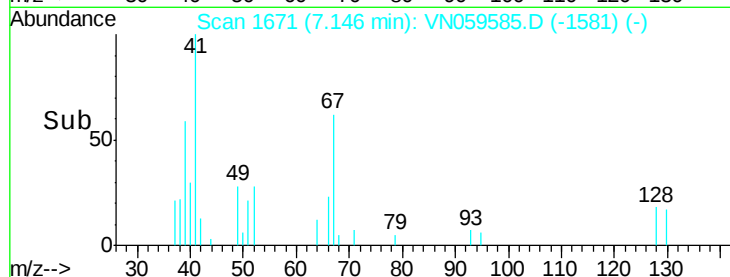
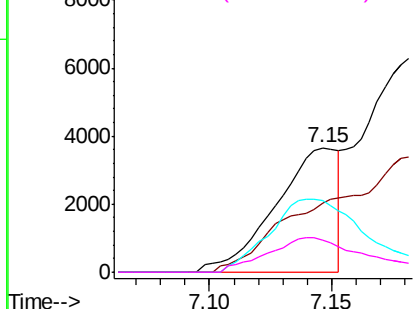
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	90.3	0.0	0.0#
52	41.9	0.0	0.0#

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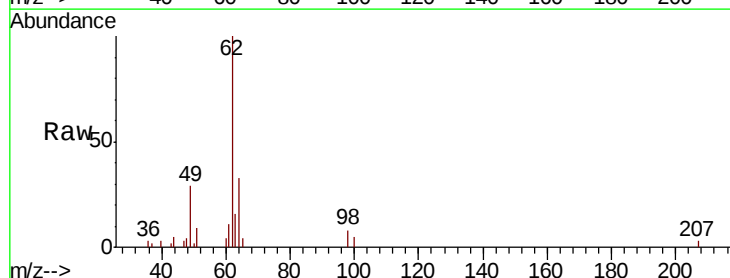


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

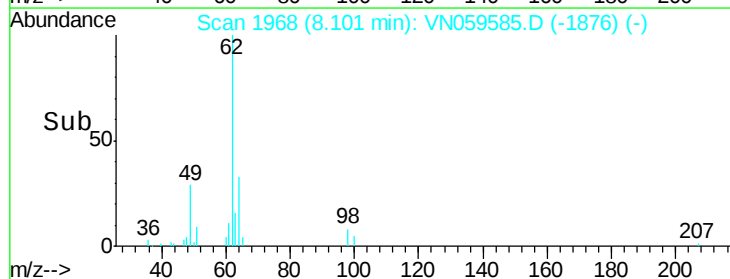
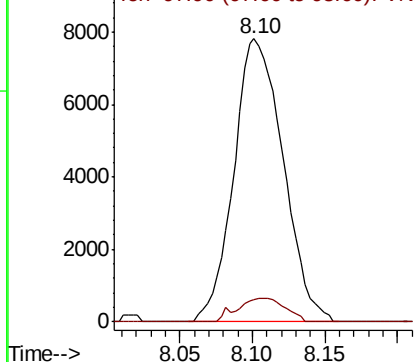


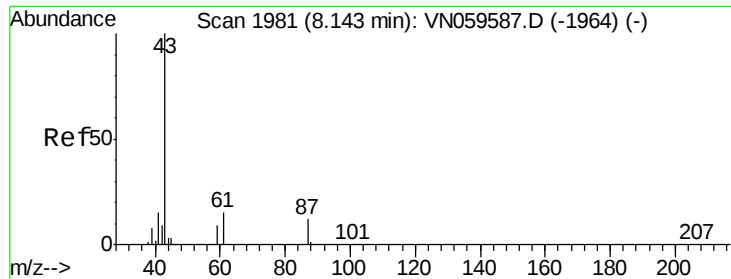
#42
1,2-Dichloroethane
Concen: 3.989 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.8



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





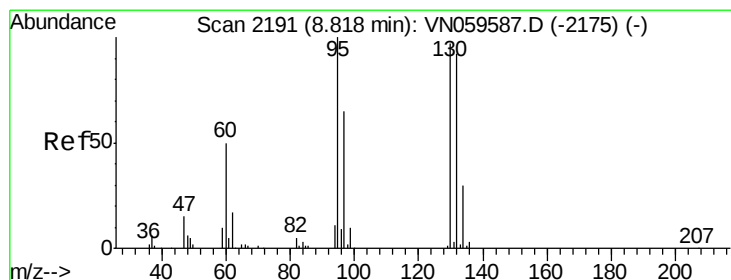
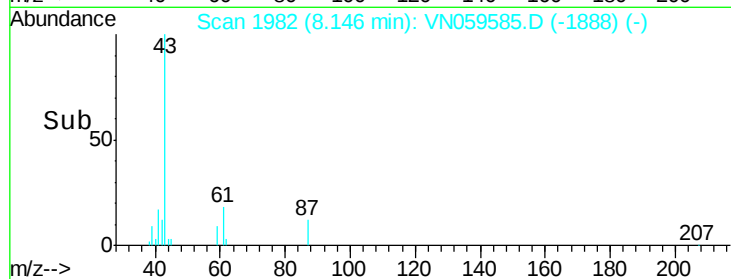
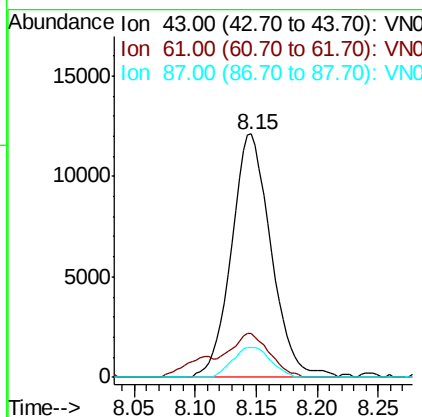
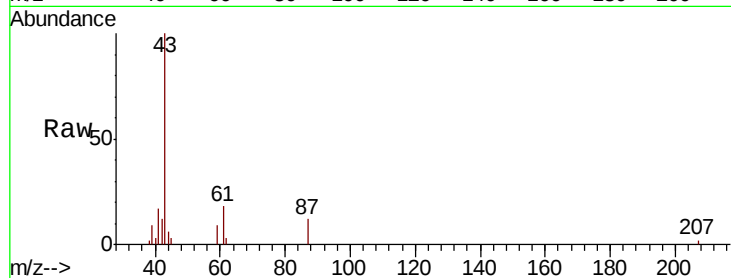
#43
Isopropyl Acetate
Concen: 3.629 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	20.2	30.2#
87	11.8	9.5	14.3

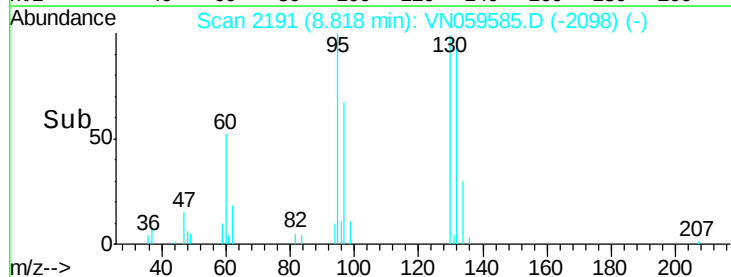
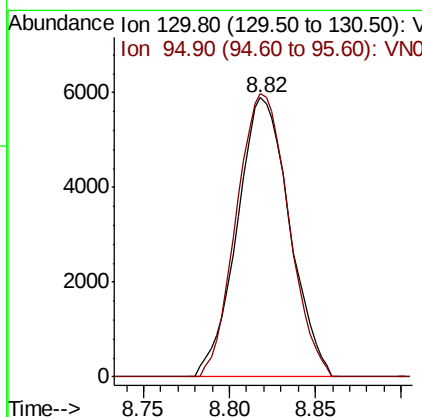
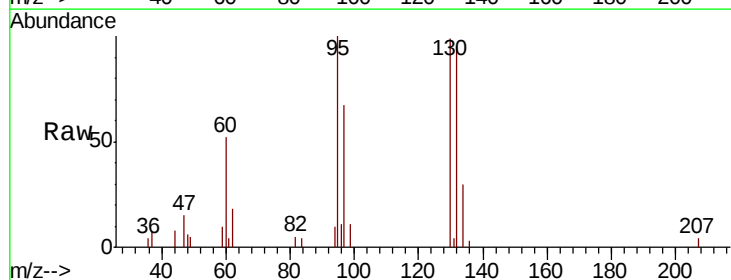
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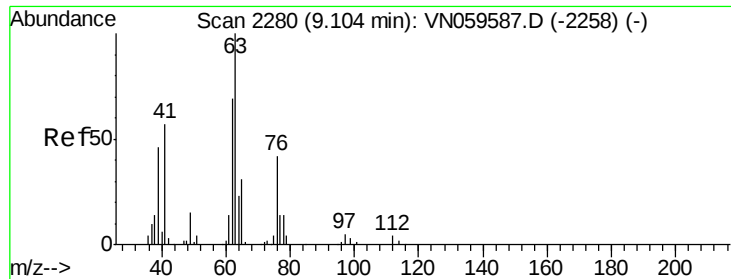
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#44
Trichloroethene
Concen: 3.966 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	207.0





#45

1,2-Dichloropropane

Concen: 3.723 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 12244

Ion Ratio Lower Upper

63 100

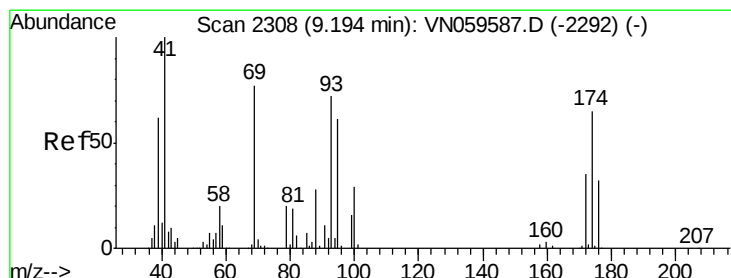
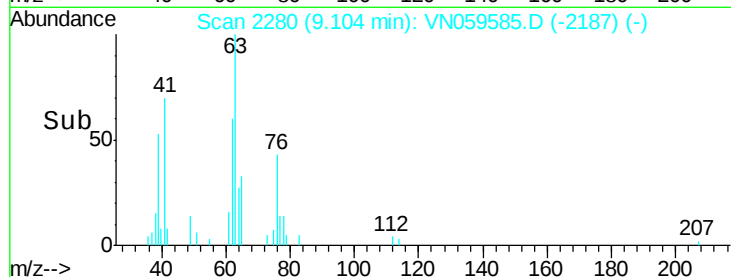
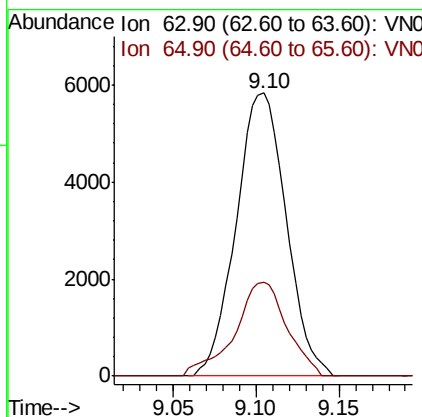
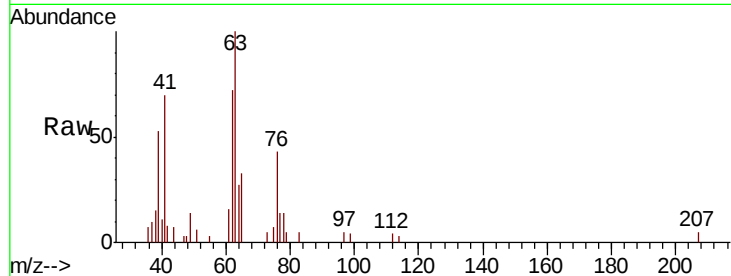
65 33.3 24.9 37.3

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#46

Dibromomethane

Concen: 3.724 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

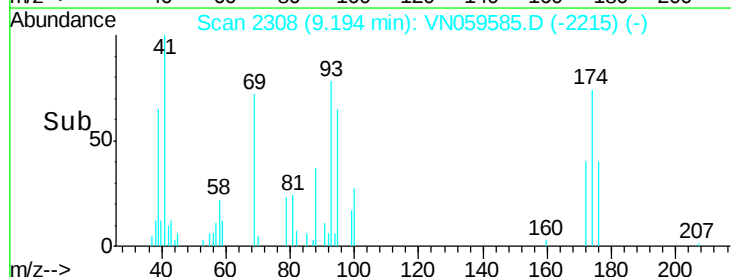
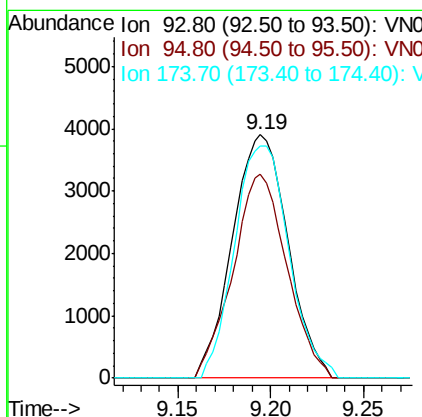
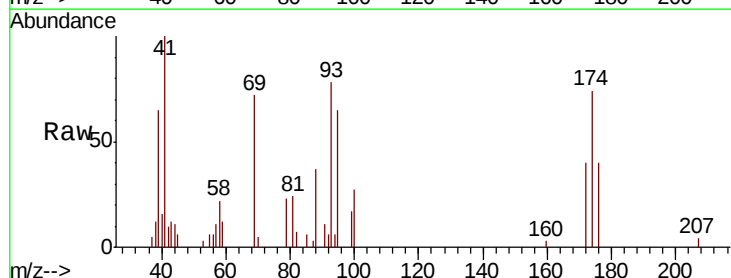
Tgt Ion: 93 Resp: 8115

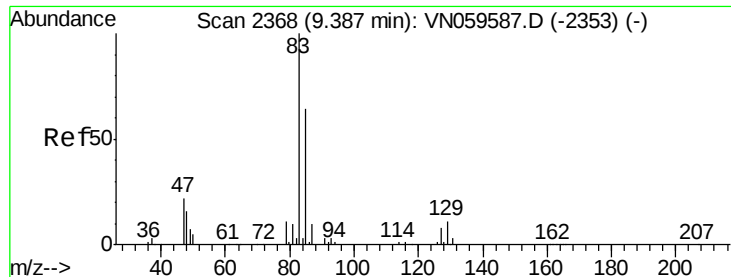
Ion Ratio Lower Upper

93 100

95 81.2 67.0 100.6

174 93.7 73.4 110.2





#47

Bromodichloromethane

Concen: 3.727 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

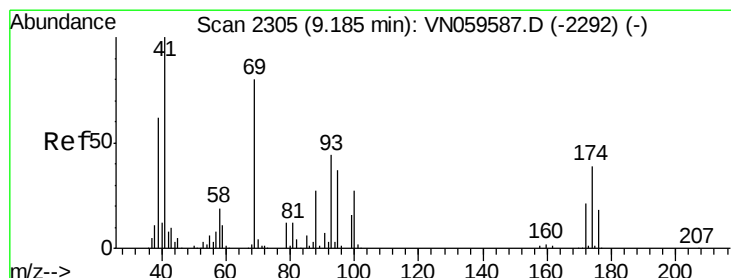
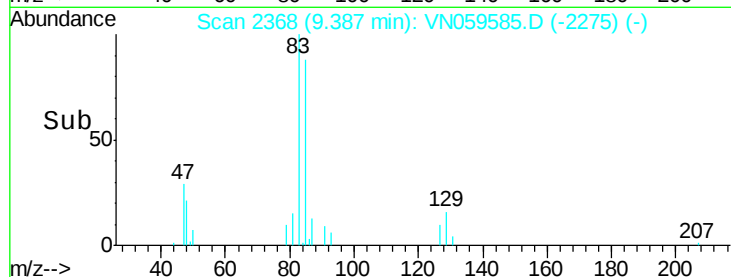
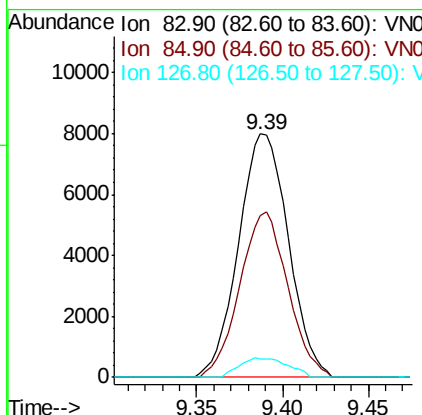
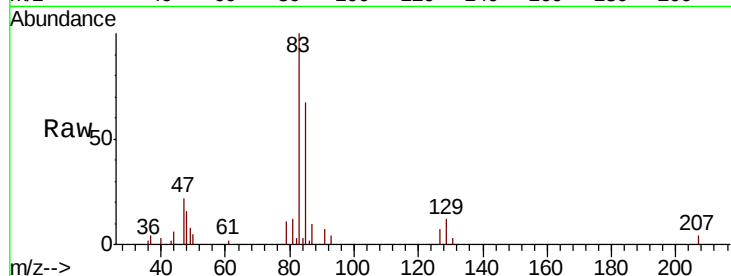
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16110
Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.1	76.7
127	7.4	6.6	9.8

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#48

Methyl methacrylate

Concen: 3.473 ug/l

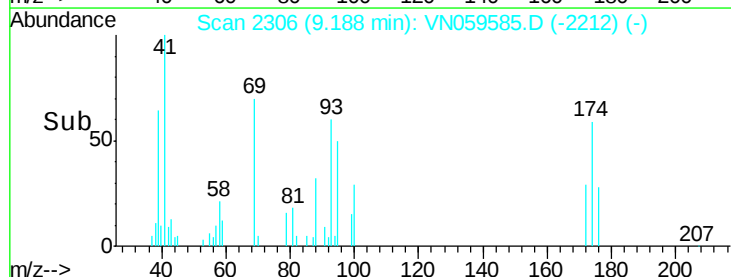
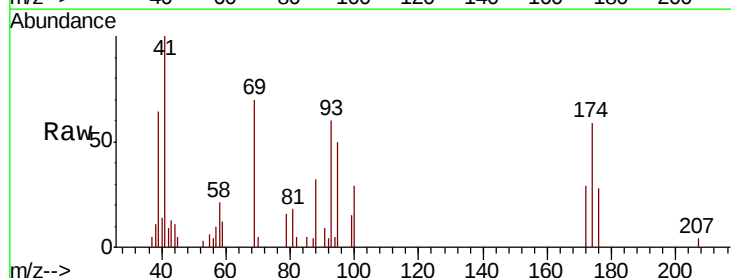
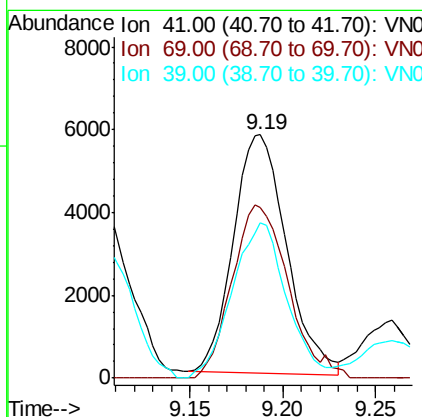
RT: 9.19 min Scan# 2306

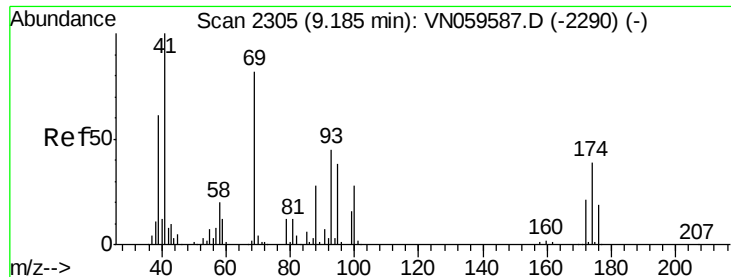
Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion:	41	Resp:	11462
Ion	Ratio	Lower	Upper
41	100		
69	76.6	64.4	96.6
39	66.6	51.3	76.9





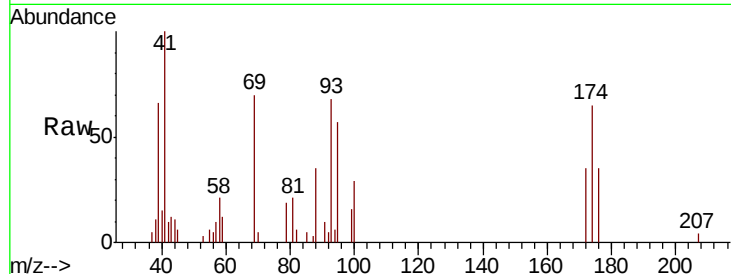
#49
1,4-Dioxane
Concen: 86.982 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	29.7	44.5
58	70.8	56.6	85.0

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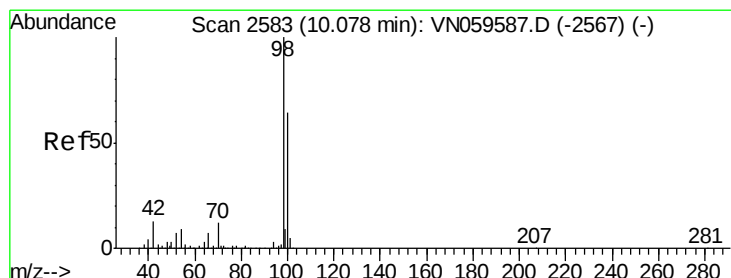
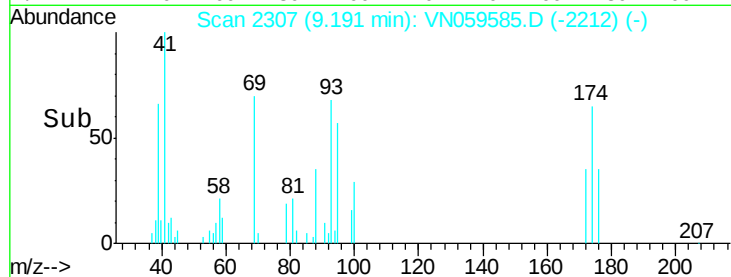
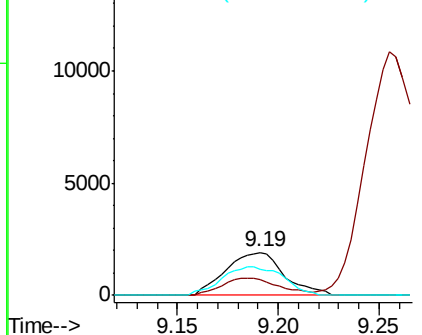


Abundance

Ion 88.00 (87.70 to 88.70): VN0

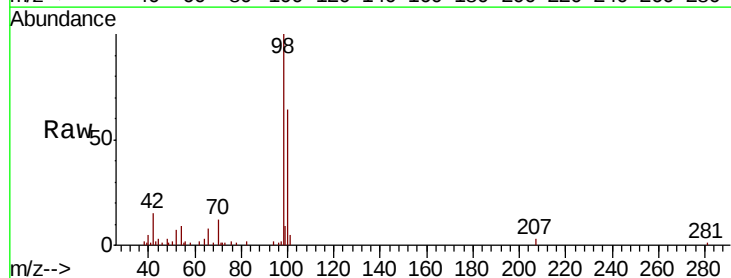
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 4.857 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

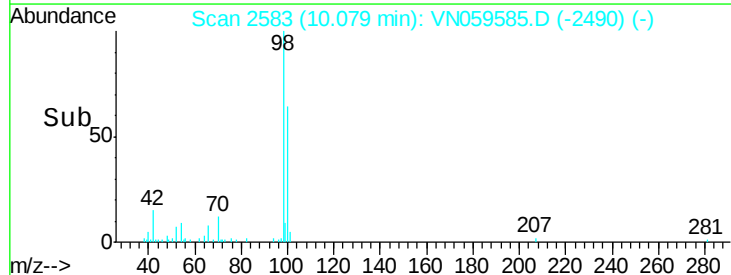
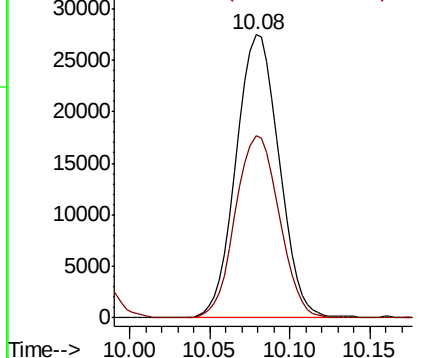
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.2	76.8

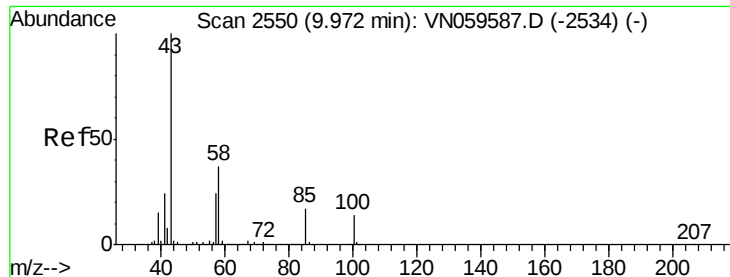


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 18.072 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 78993

Ion Ratio Lower Upper

43 100

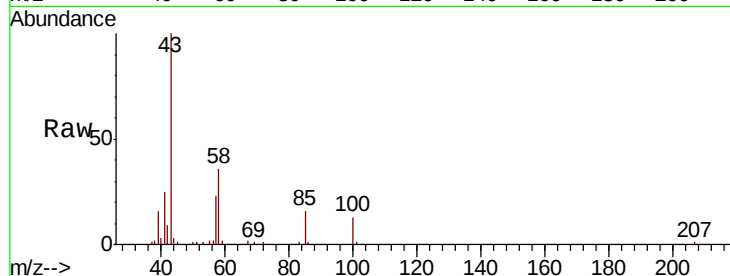
58 36.5 29.8 44.8

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Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

50000

40000

30000

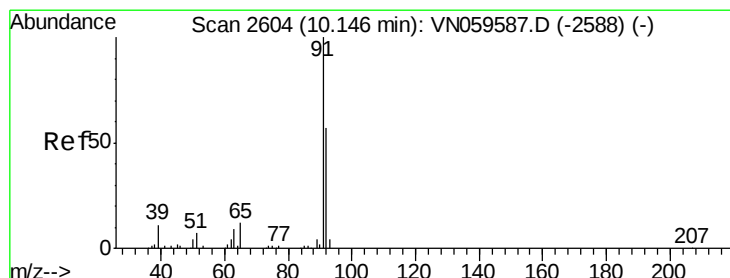
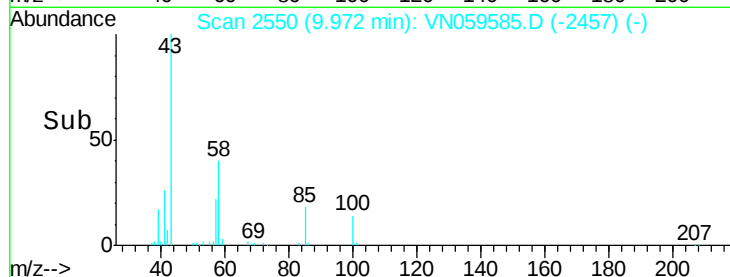
20000

10000

0

Time-->

9.90 9.95 10.00 10.05



#52

Toluene

Concen: 3.704 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059585.D

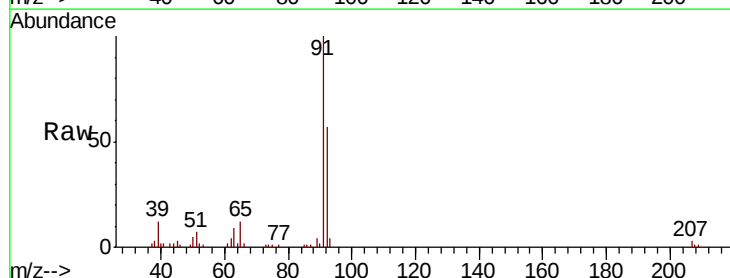
Acq: 13 Dec 2019 16:00

Tgt Ion: 92 Resp: 27453

Ion Ratio Lower Upper

92 100

91 176.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.15

30000

25000

20000

15000

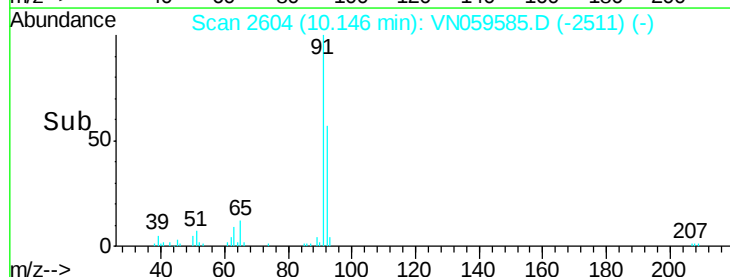
10000

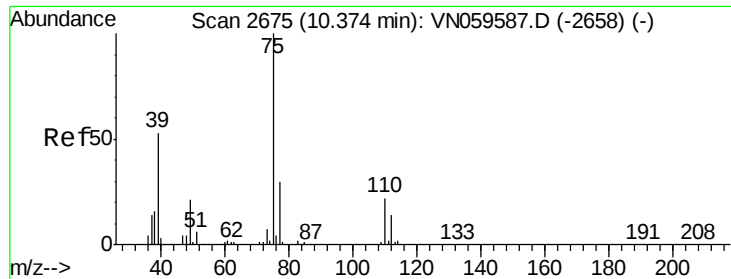
5000

0

Time-->

10.10 10.15 10.20





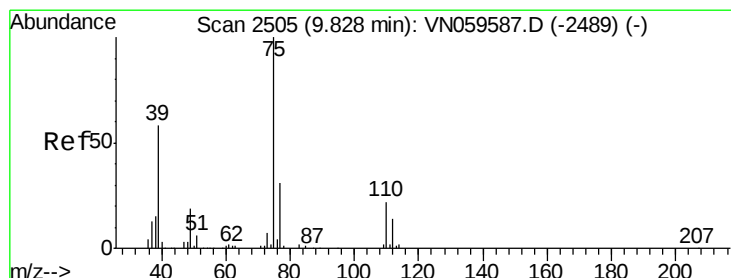
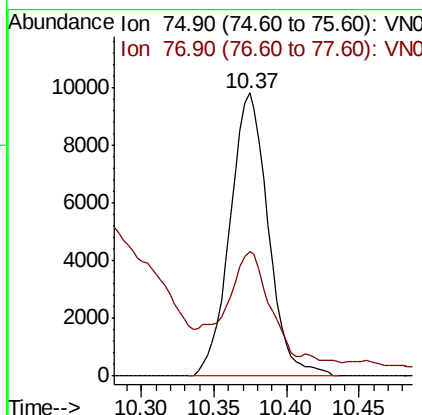
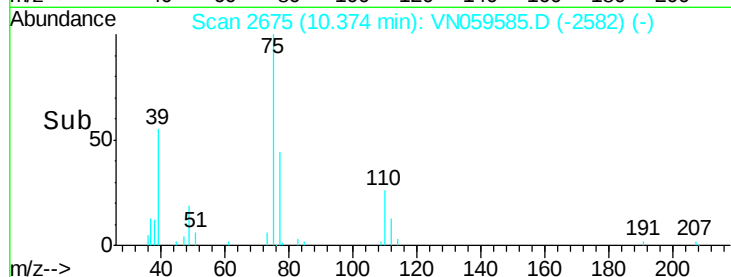
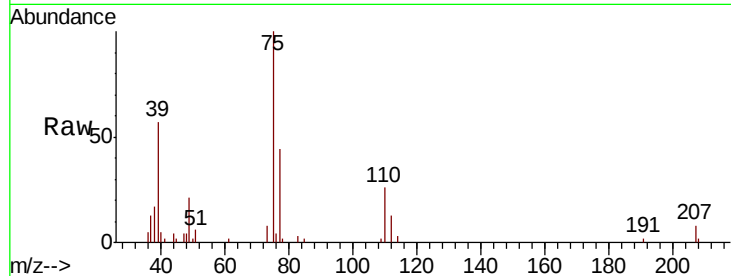
#53
 t-1,3-Dichloropropene
 Concen: 3.562 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 17966
 Ion Ratio Lower Upper
 75 100
 77 39.1 25.4 38.2#

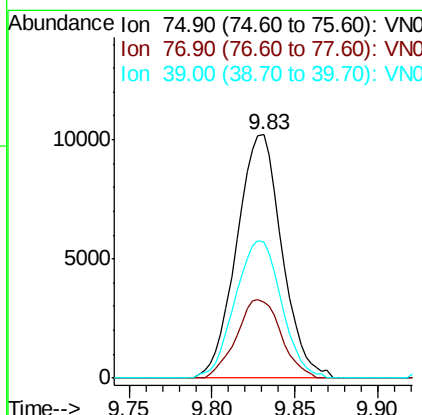
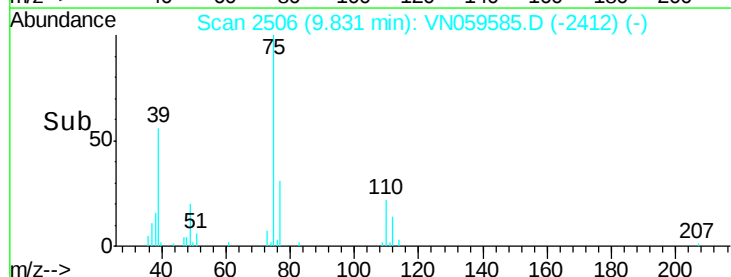
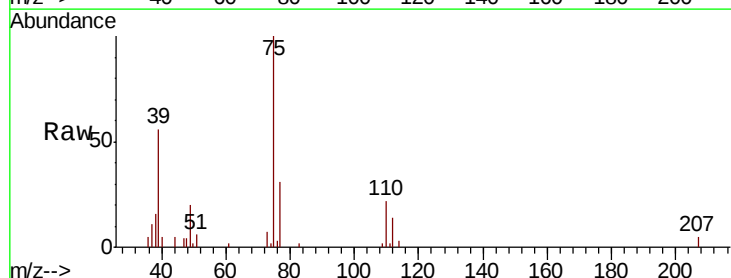
Manual Integrations
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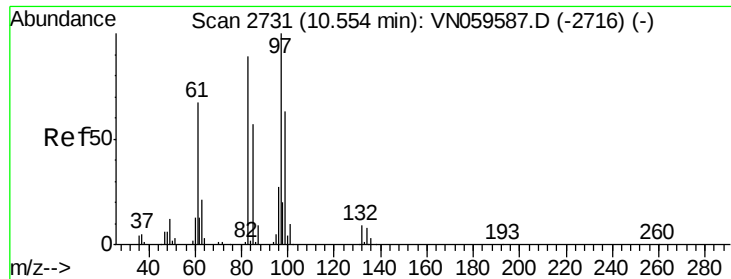
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#54
 cis-1,3-Dichloropropene
 Concen: 3.751 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion: 75 Resp: 19389
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.1 37.7
 39 55.6 46.1 69.1





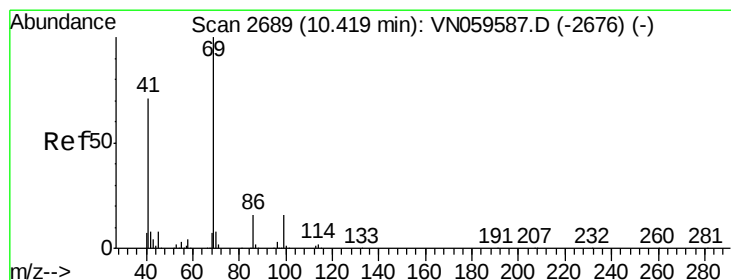
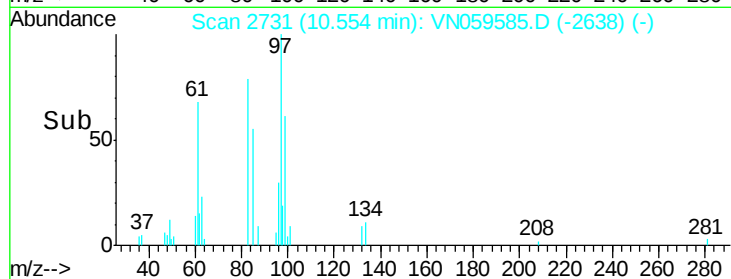
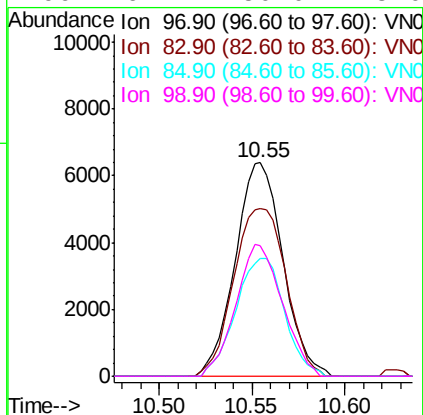
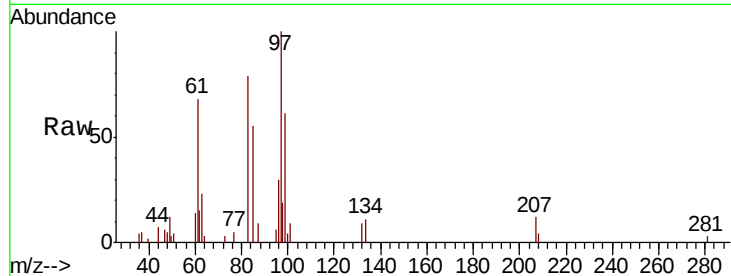
#55
 1,1,2-Trichloroethane
 Concen: 3.823 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	11462
Ion	Ratio	Lower	Upper
97	100		
83	78.6	71.3	106.9
85	55.4	45.8	68.8
99	61.4	50.0	75.0

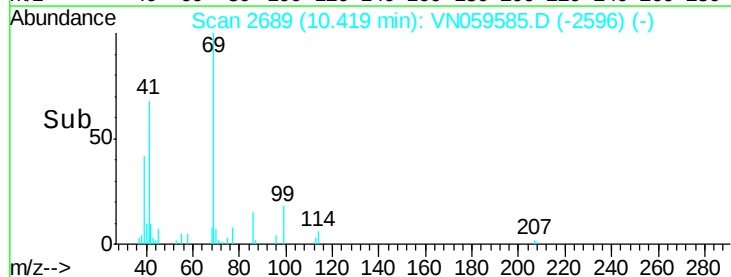
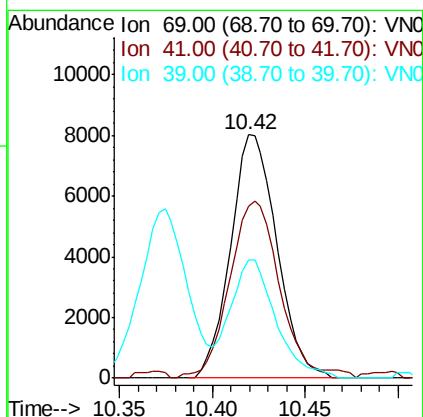
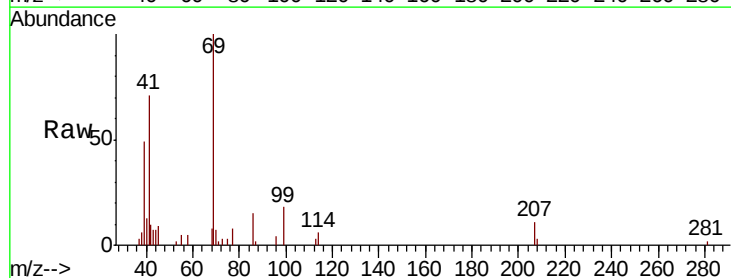
Manual Integrations
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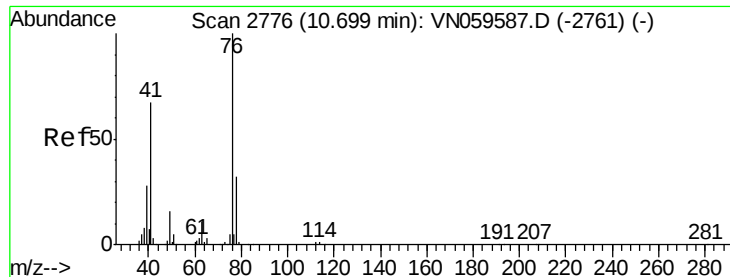
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#56
 Ethyl methacrylate
 Concen: 3.134 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion:	69	Resp:	13887
Ion	Ratio	Lower	Upper
69	100		
41	79.4	57.1	85.7
39	47.8	34.7	52.1





#57

1,3-Dichloropropane

Concen: 3.854 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 19746

Ion Ratio Lower Upper

76 100

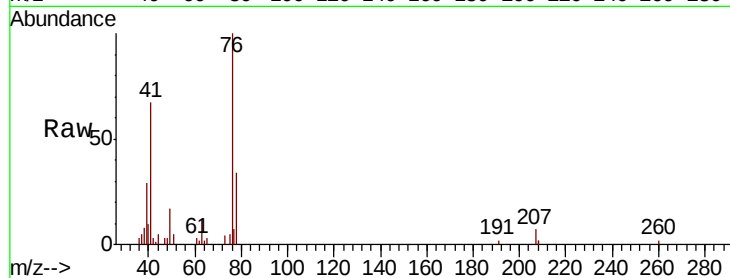
78 33.2 25.8 38.8

Manual Integrations

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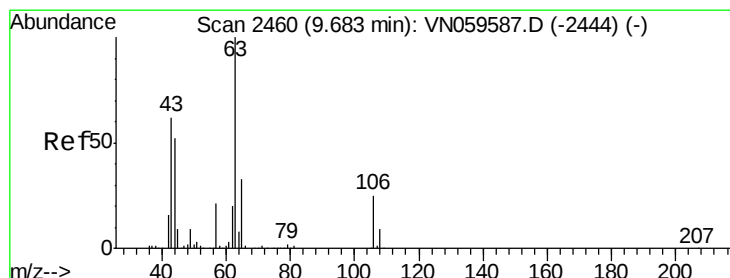
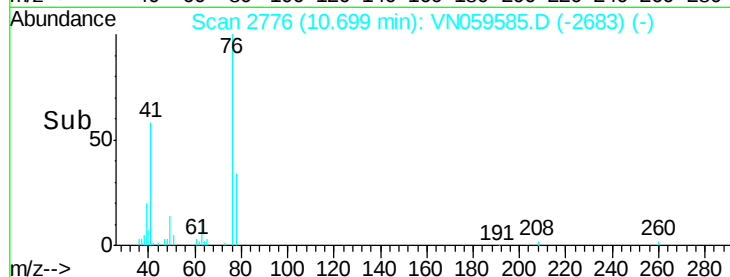
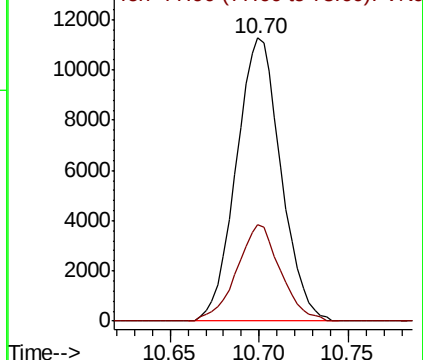
apatel

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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: 11.123 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059585.D

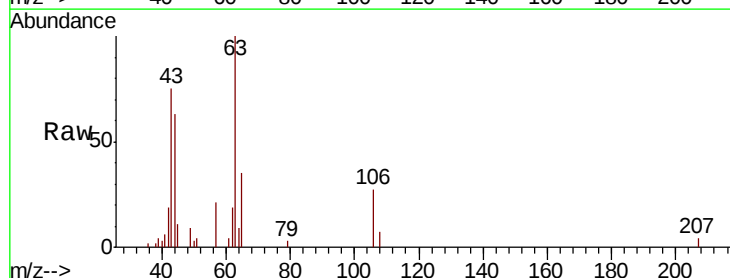
Acq: 13 Dec 2019 16:00

Tgt Ion: 63 Resp: 15609

Ion Ratio Lower Upper

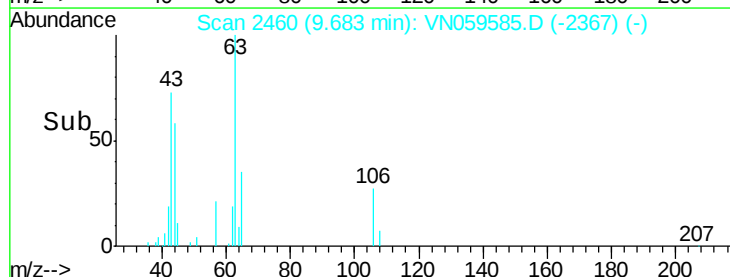
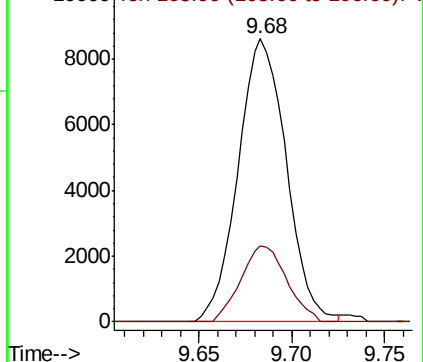
63 100

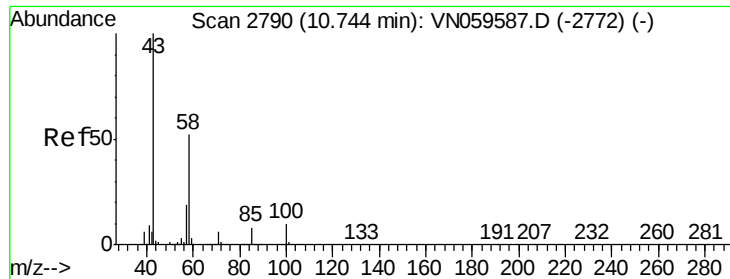
106 25.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





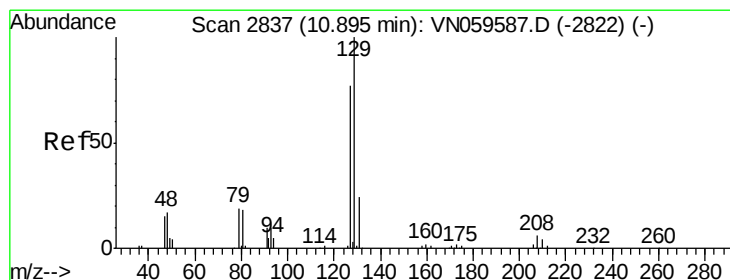
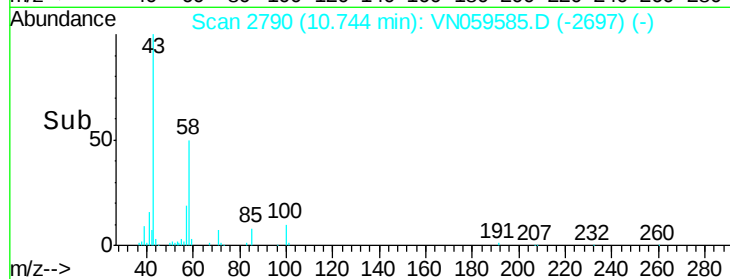
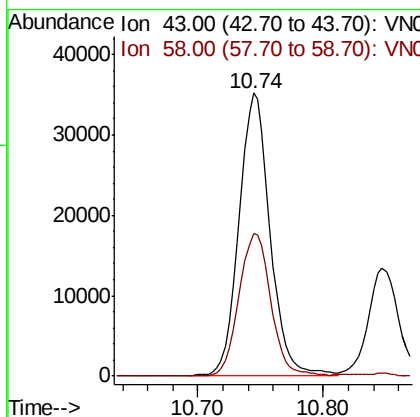
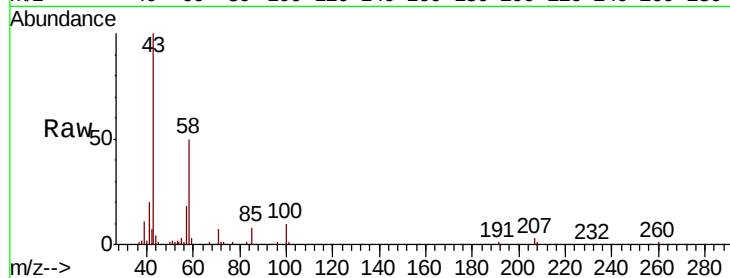
#59
2-Hexanone
Concen: 18.373 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	25.8	77.3

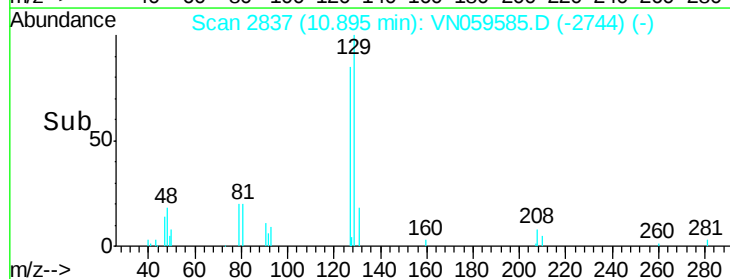
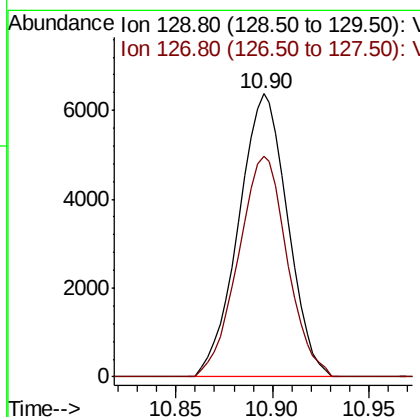
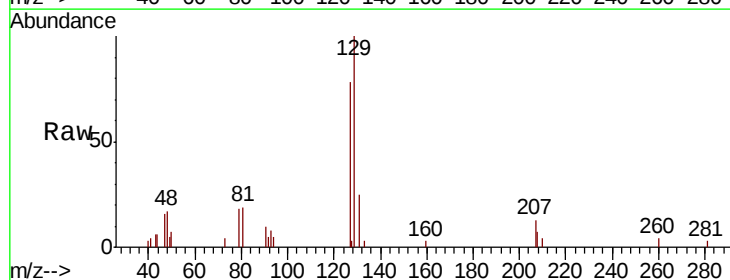
Manual Integrations
APPROVED

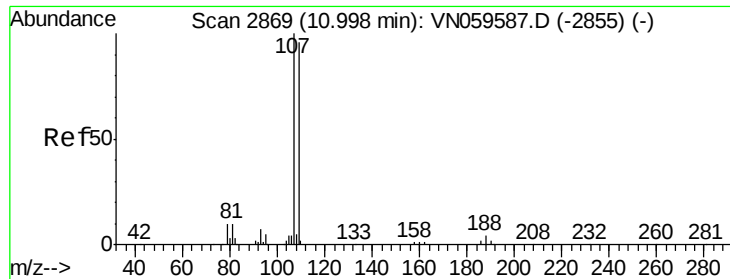
apatel
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#60
Dibromochloromethane
Concen: 3.463 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5





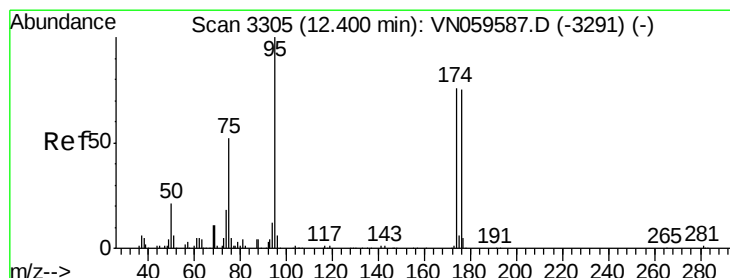
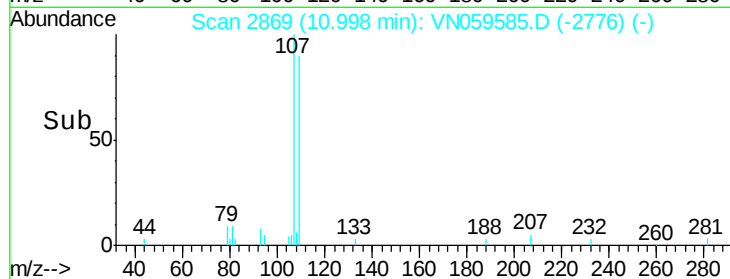
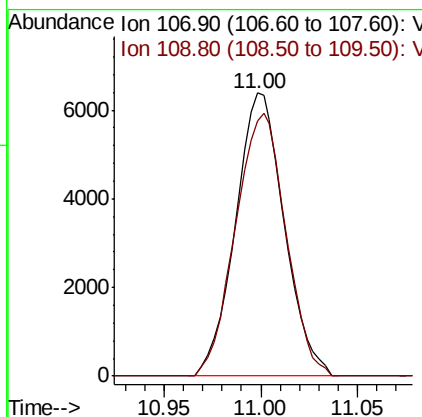
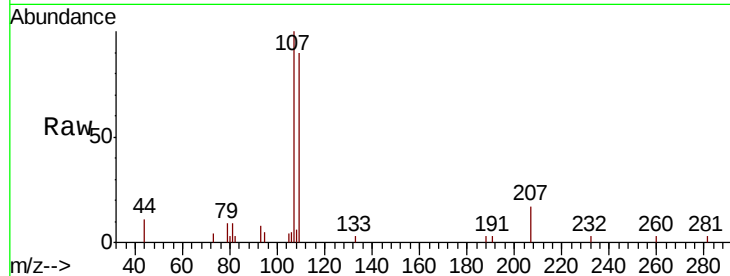
#61
1,2-Dibromoethane
Concen: 3.591 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	76.6	115.0

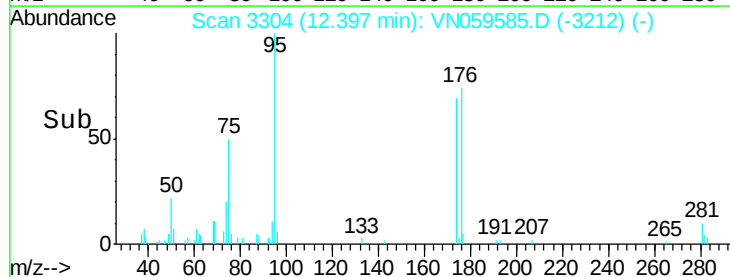
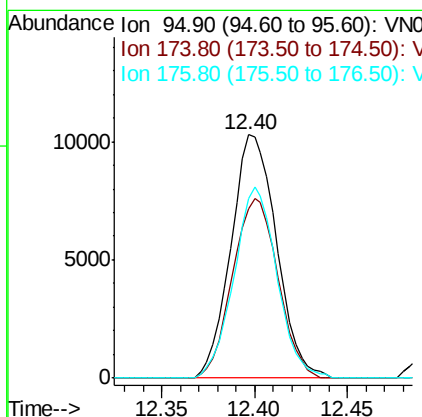
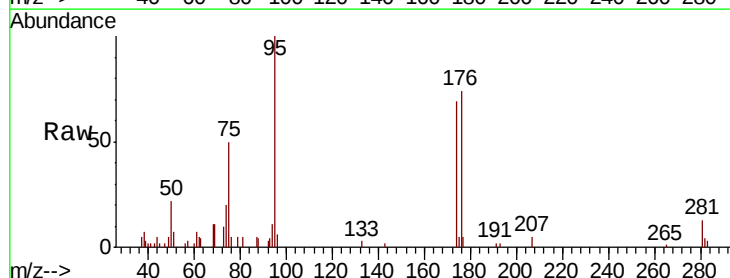
Manual Integrations
APPROVED

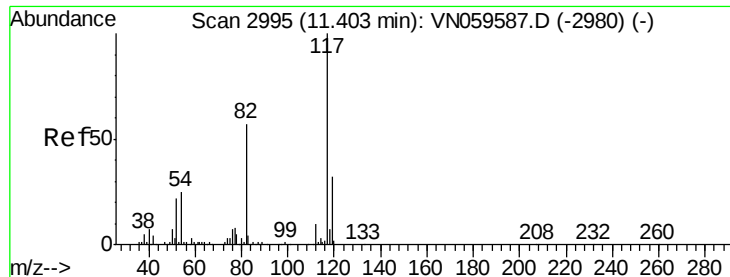
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#62
4-Bromofluorobenzene
Concen: 4.682 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	151.4
176	73.9	0.0	146.0





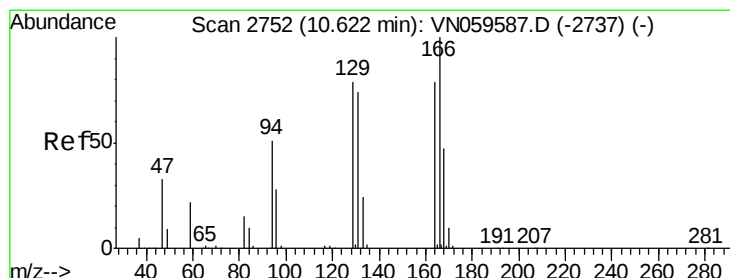
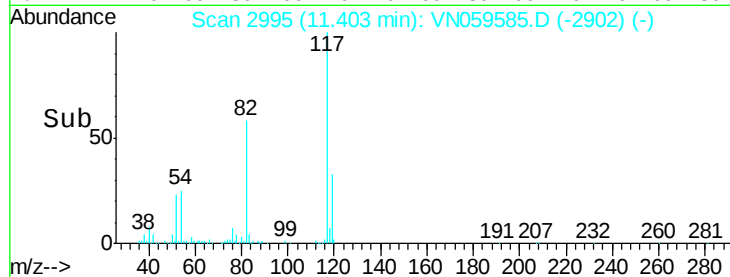
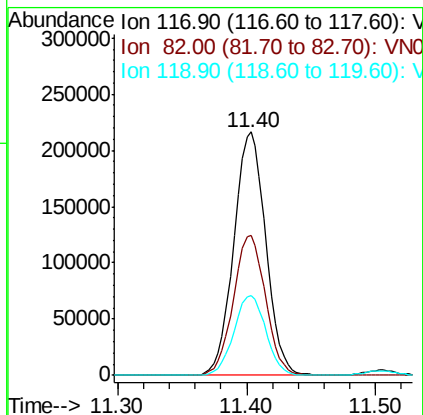
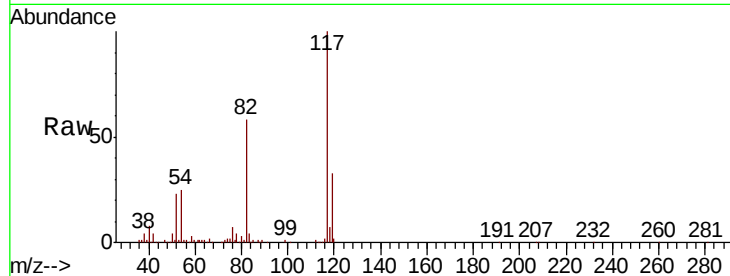
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.9	68.9
119	33.0	25.5	38.3

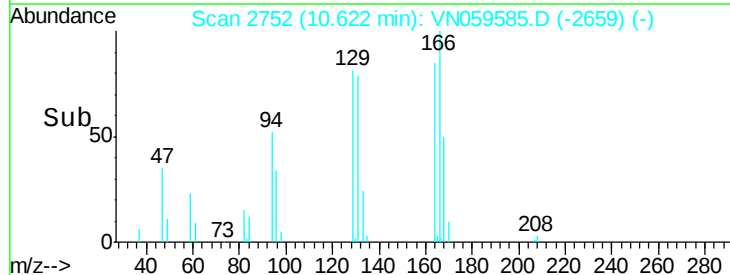
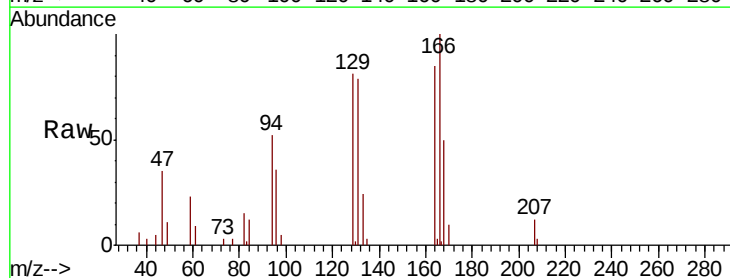
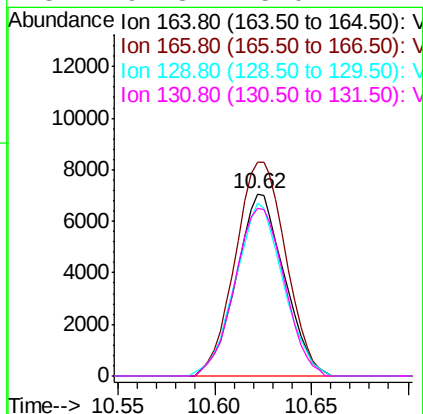
Manual Integrations
APPROVED

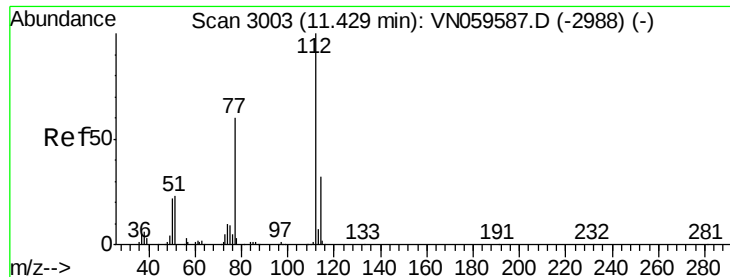
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#64
Tetrachloroethene
Concen: 4.204 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.5	101.4	152.0
129	94.7	80.2	120.4
131	92.3	75.0	112.4





#65

Chlorobenzene

Concen: 3.785 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 30177

Ion Ratio Lower Upper

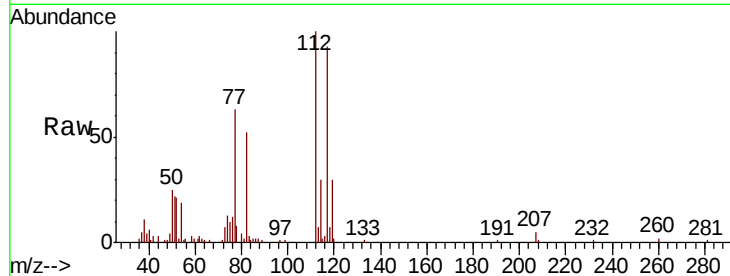
112 100

114 30.4 25.8 38.8

Manual Integrations
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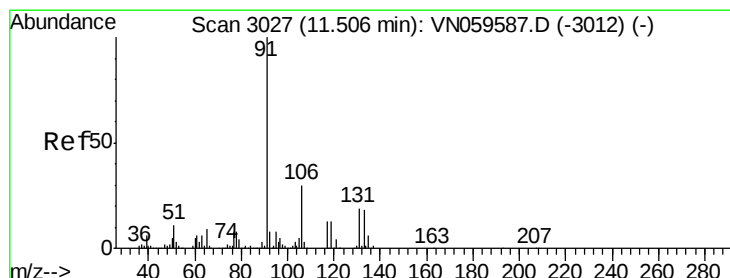
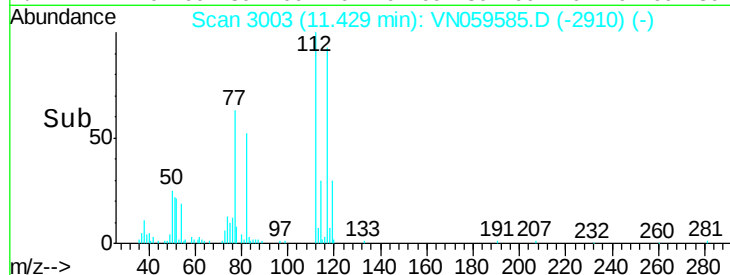
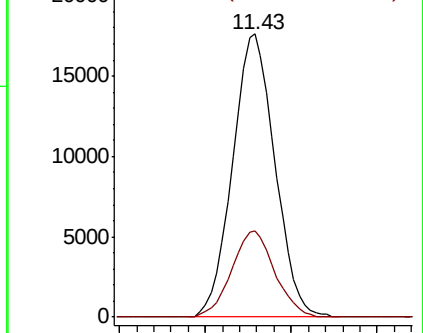
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 3.664 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

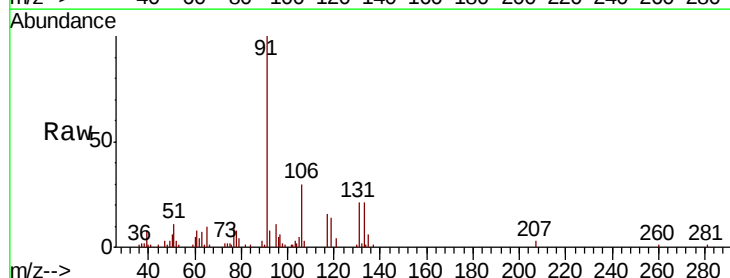
Tgt Ion:131 Resp: 10913

Ion Ratio Lower Upper

131 100

133 99.8 47.4 142.2

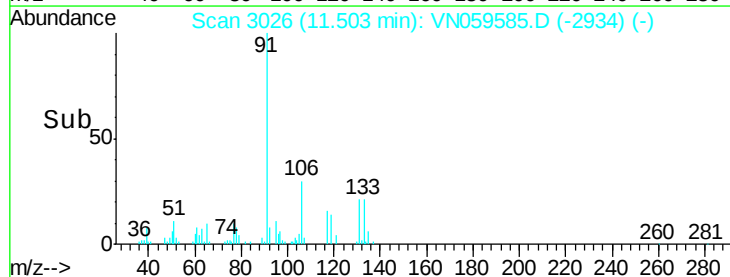
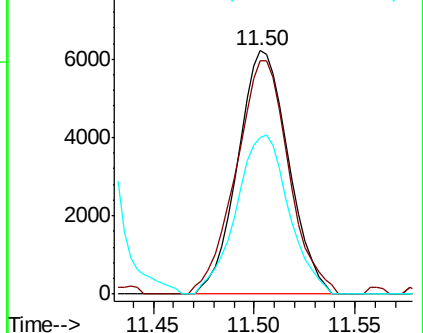
119 67.6 33.1 99.3

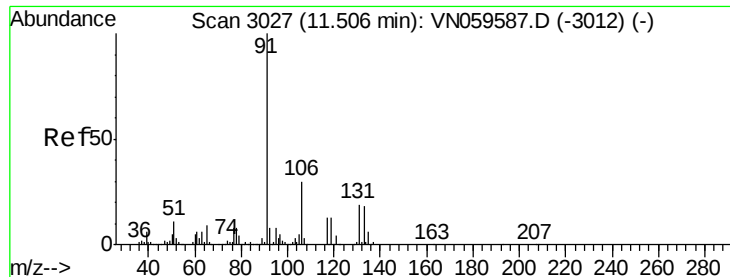


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





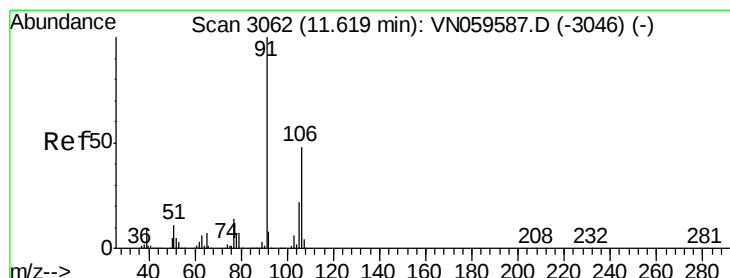
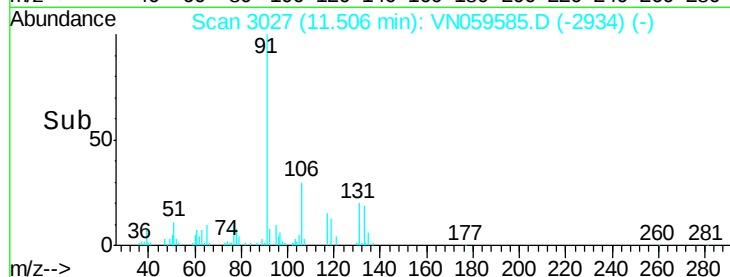
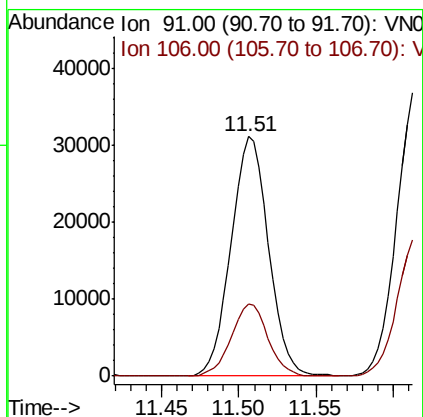
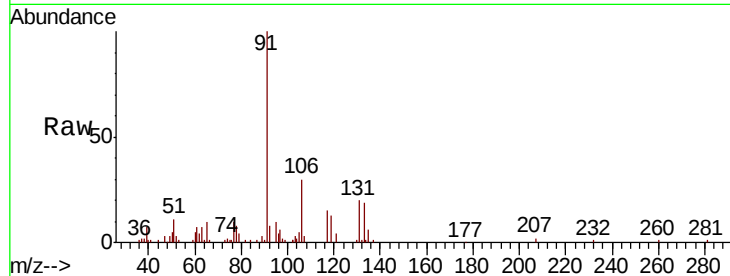
#67
Ethyl Benzene
Concen: 3.665 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 52502
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1

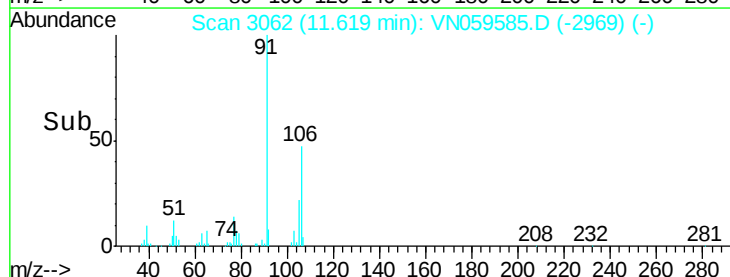
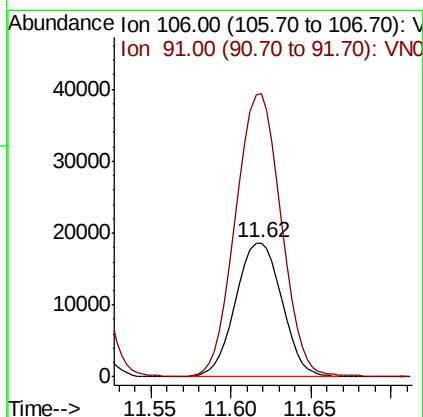
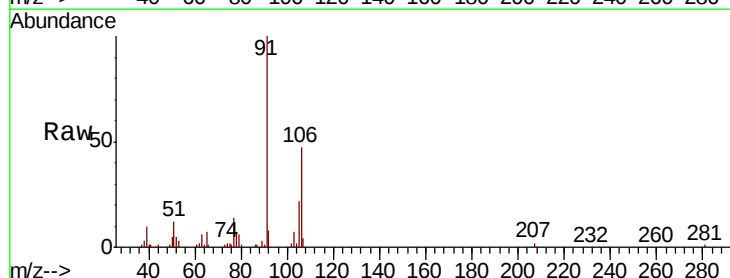
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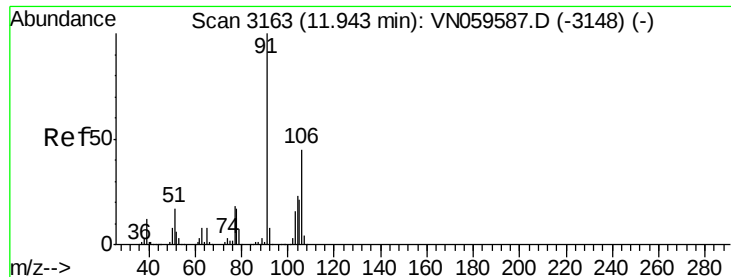
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#68
m/p-Xylenes
Concen: 6.962 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion: 106 Resp: 36942
Ion Ratio Lower Upper
106 100
91 208.1 167.9 251.9





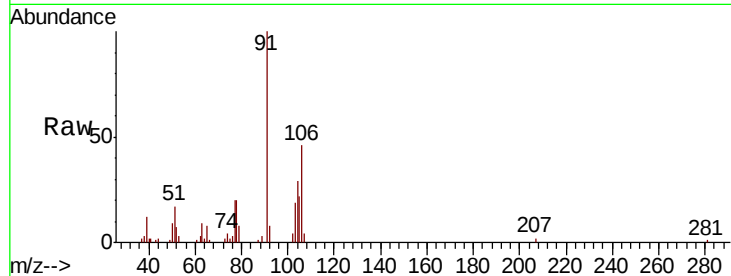
#69
o-Xylene
Concen: 3.656 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

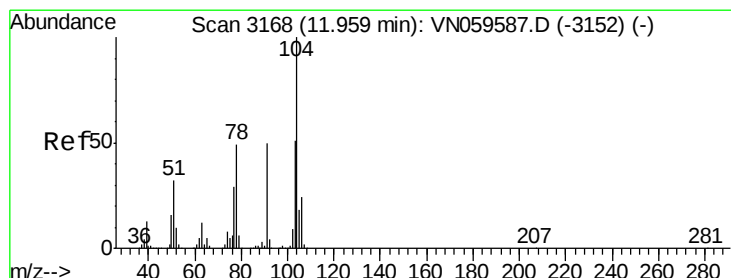
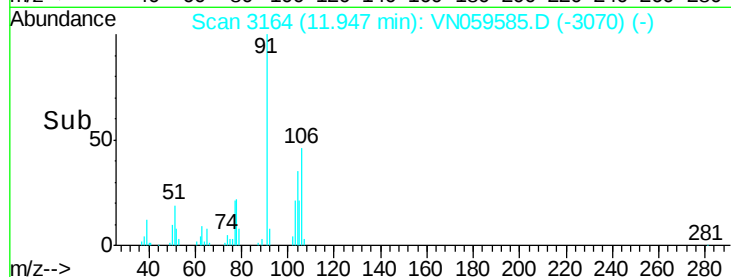
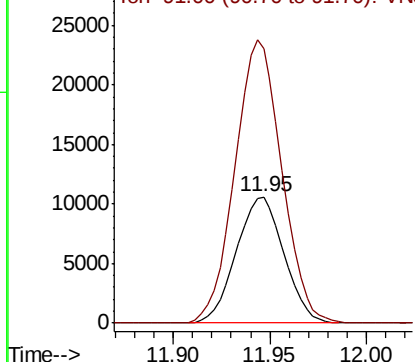
Tot Ion:106 Resp: 18111
Ion Ratio Lower Upper
106 100
91 220.7 110.3 330.9

Manual Integrations
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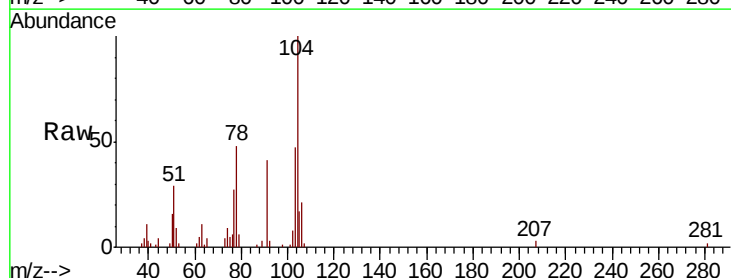


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

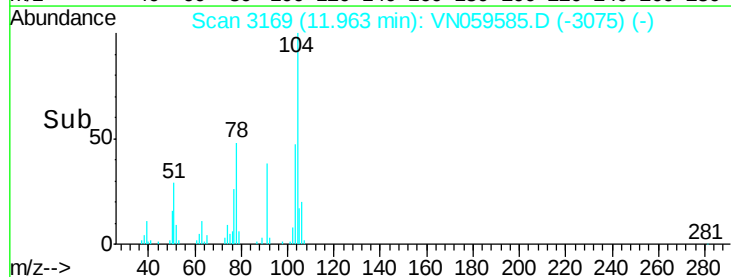
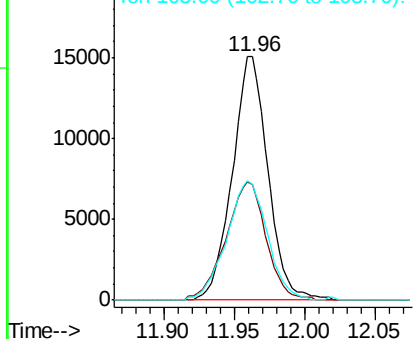


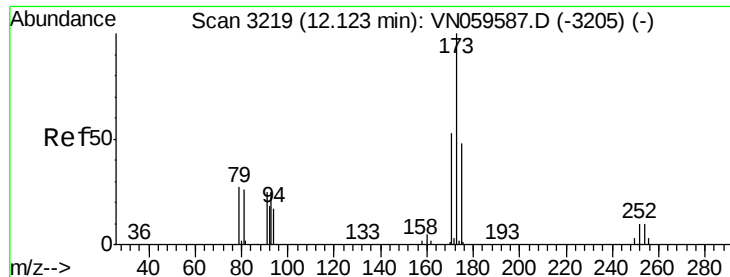
#70
Styrene
Concen: 3.250 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion:104 Resp: 26662
Ion Ratio Lower Upper
104 100
78 54.6 42.4 63.6
103 55.8 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 3.531 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

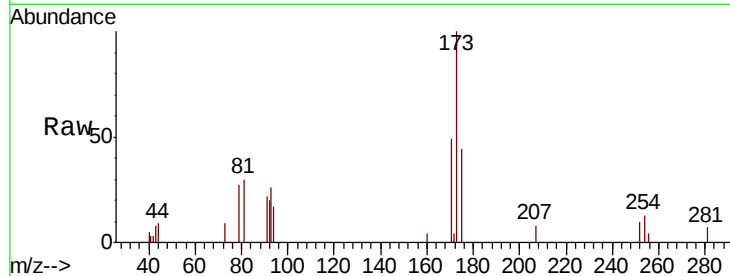
ClientSampleId :

VSTDIC005

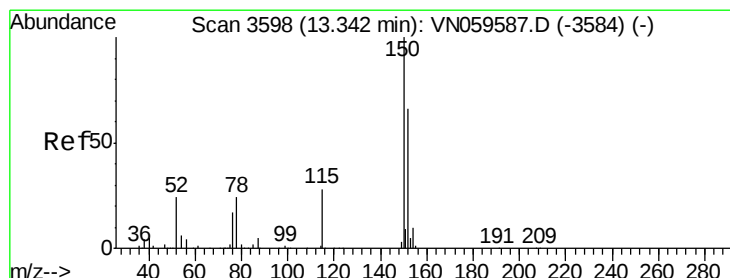
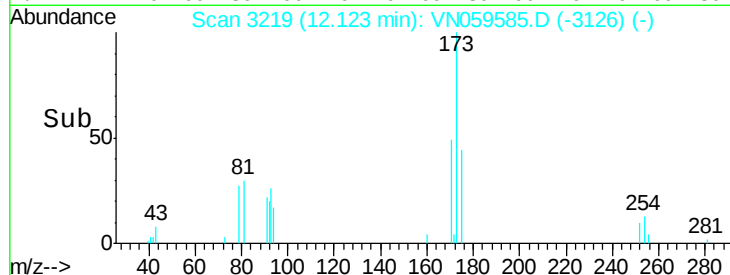
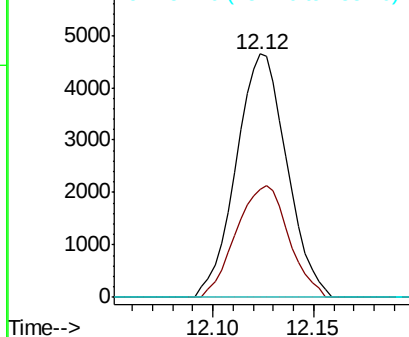
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.8	71.4
254	0.0	0.0	0.0

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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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

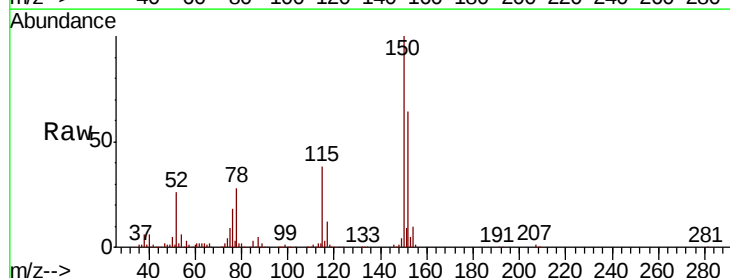
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

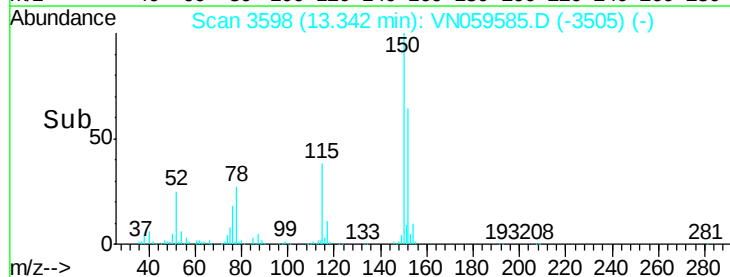
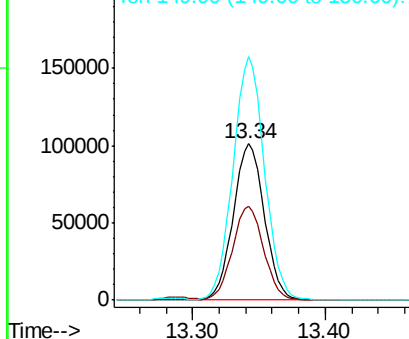
Lab File: VN059585.D

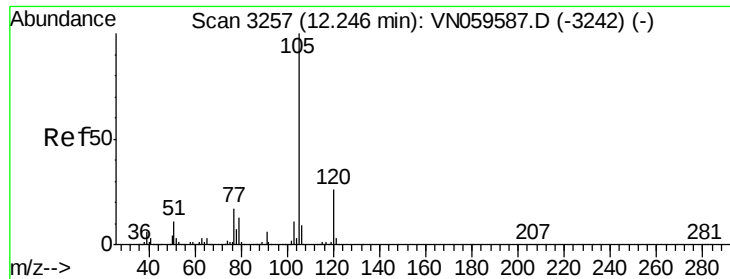
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.3	90.9
150	156.2	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





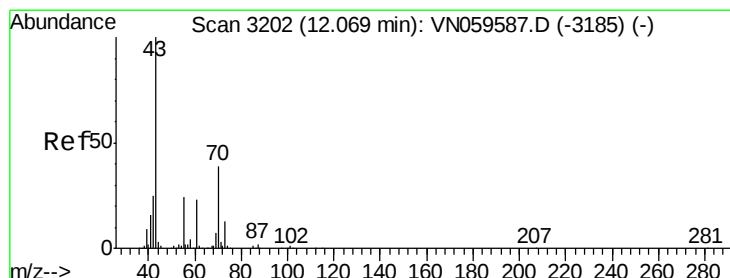
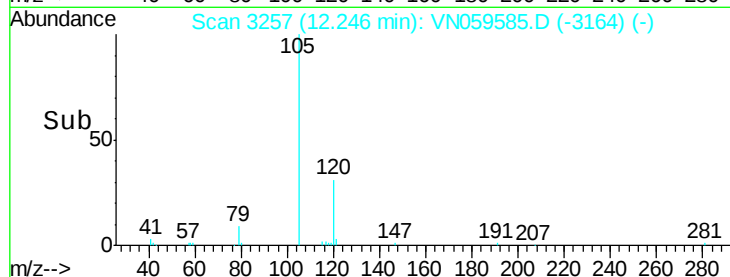
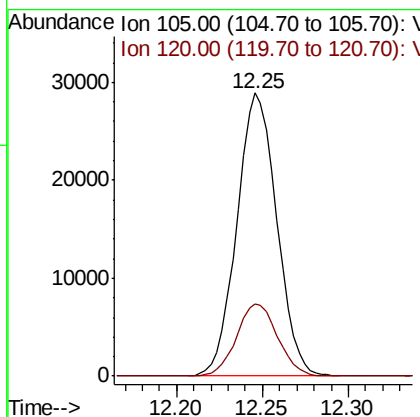
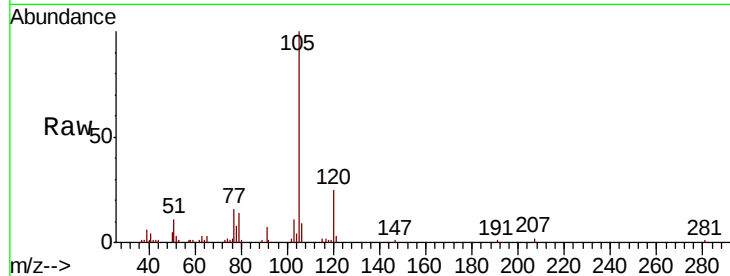
#73
Isopropylbenzene
Concen: 3.600 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

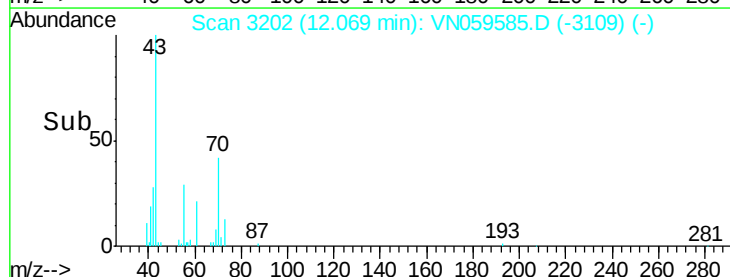
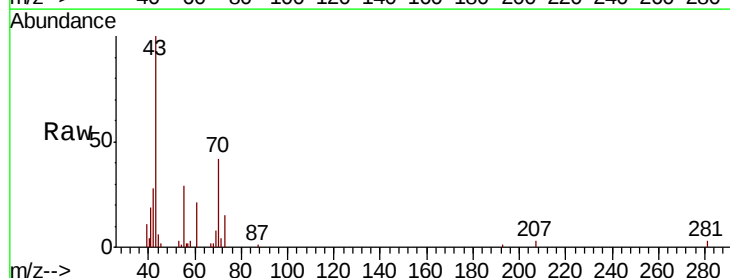
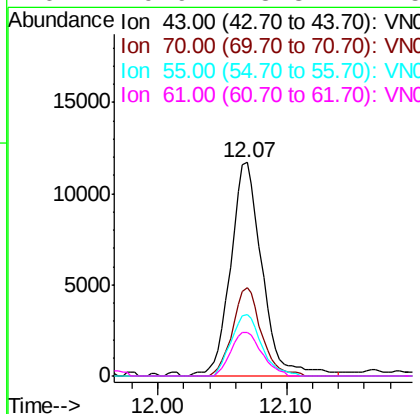
Manual Integrations
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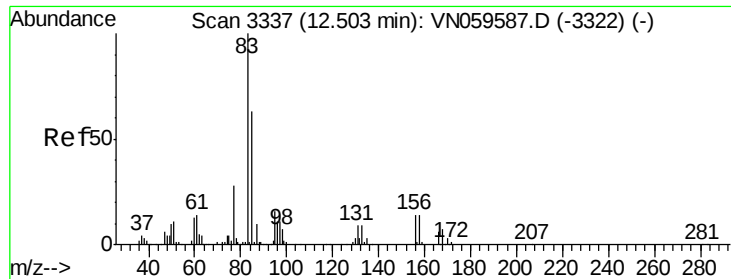
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#74
N-ethyl acetate
Concen: 3.524 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	31.3	46.9
55	27.7	19.8	29.6
61	19.9	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 3.499 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

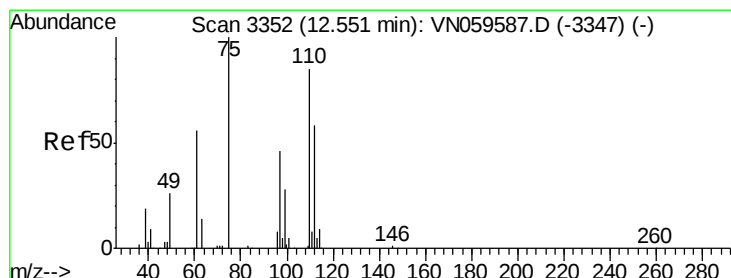
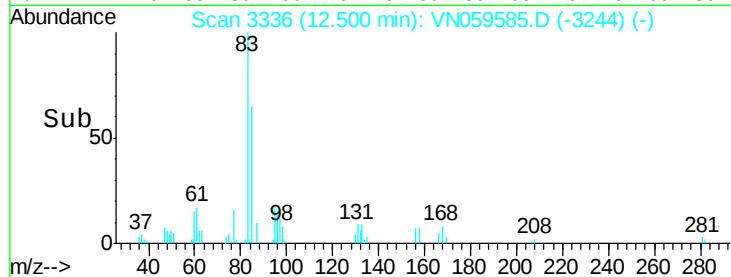
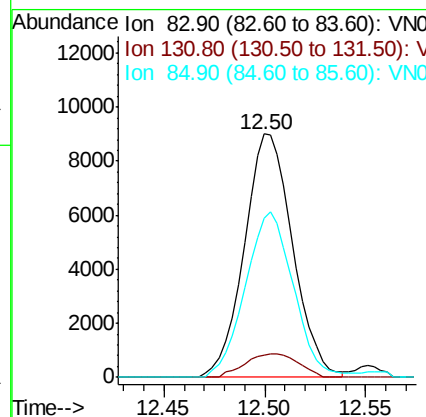
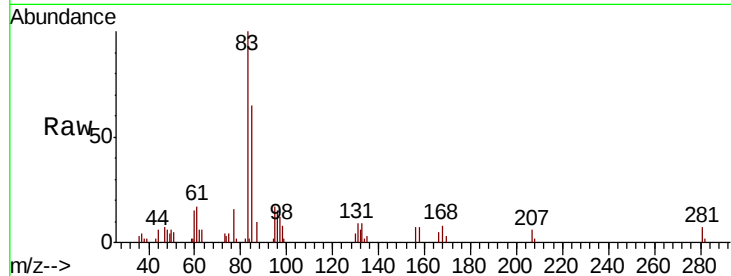
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15077
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	67.8	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 3.669 ug/l m

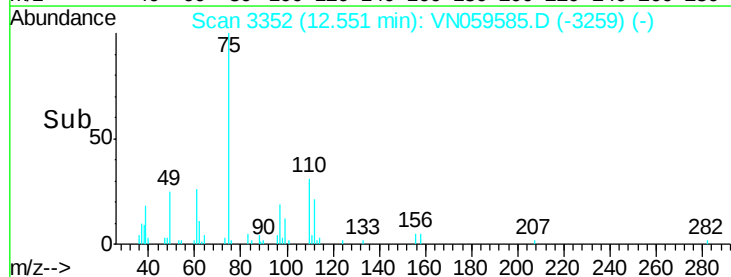
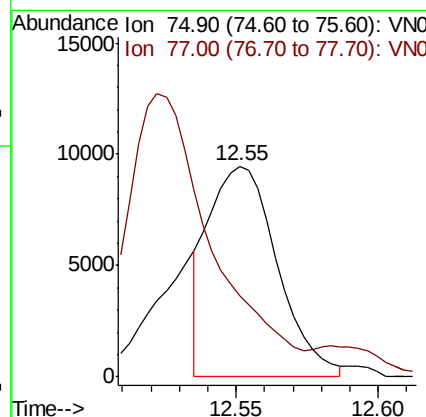
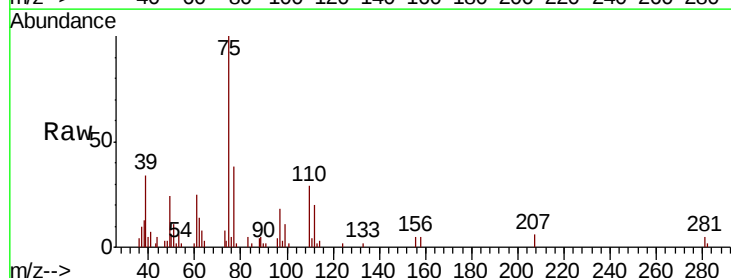
RT: 12.55 min Scan# 3352

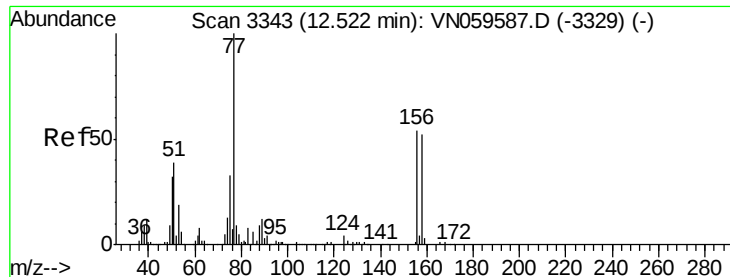
Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Tgt Ion:	75	Resp:	15946
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 3.625 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

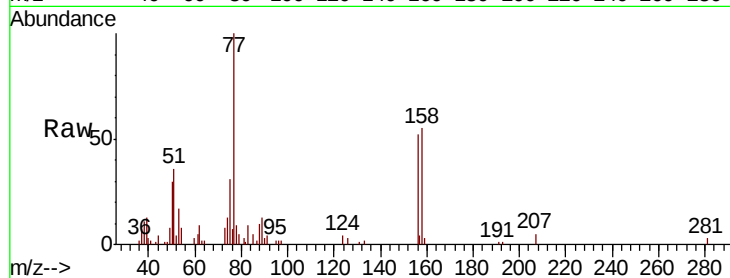
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	11480
Ion	Ratio	Lower	Upper
156	100		
77	235.8	115.8	347.4
158	101.5	49.2	147.6

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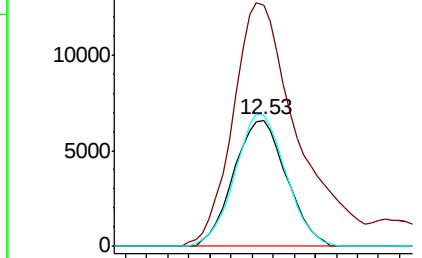
apatel
12/16/2019 12:48:47 PM



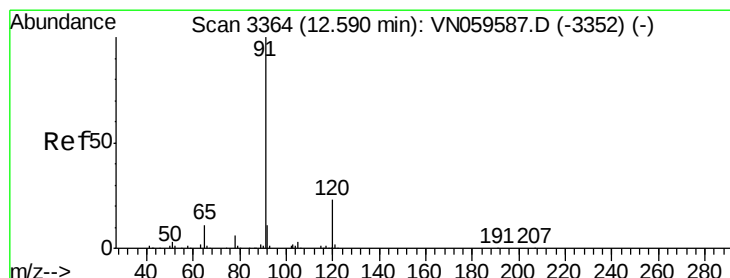
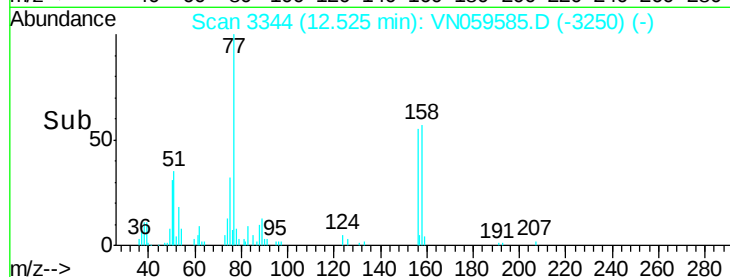
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 3.470 ug/l

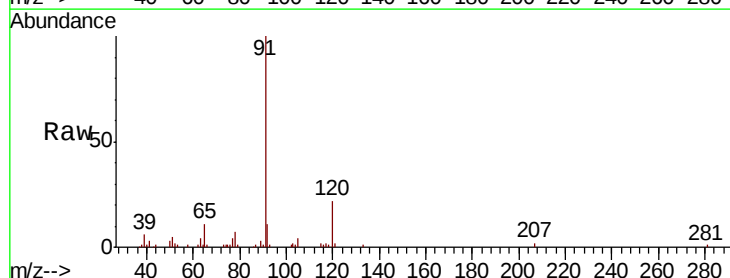
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059585.D

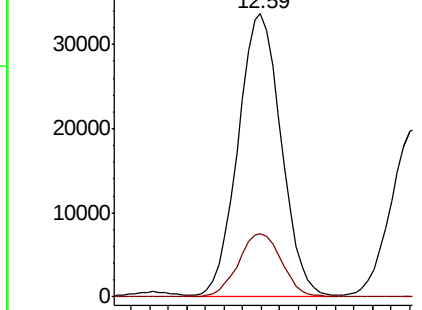
Acq: 13 Dec 2019 16:00

Tgt Ion:	91	Resp:	54465
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3

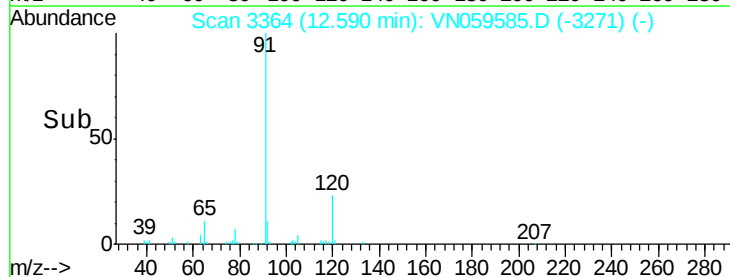


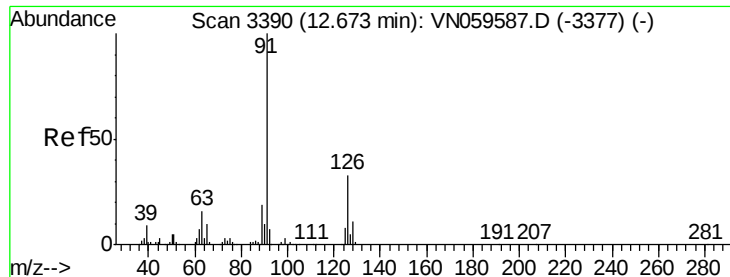
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 3.602 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 33744

Ion Ratio Lower Upper

91 100

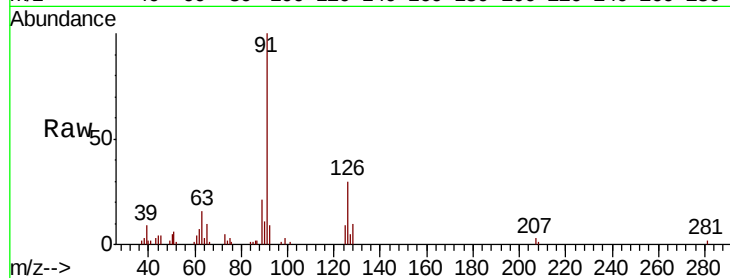
126 31.8 16.3 48.9

Manual Integrations

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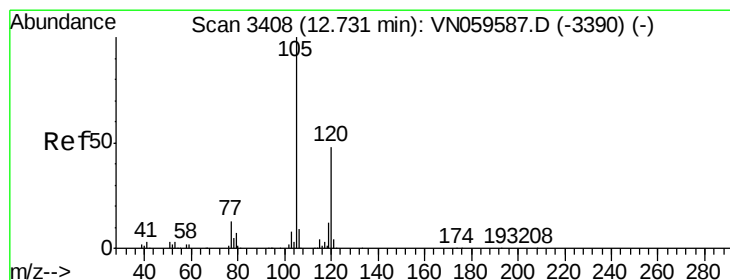
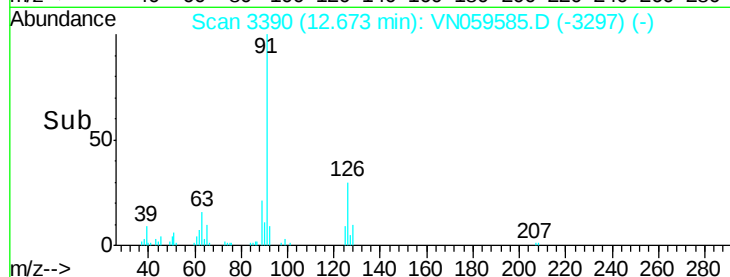
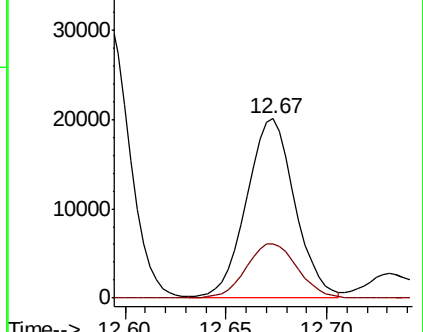
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Abundance Ion 91.00 (90.70 to 91.70): VN059585.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059585.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.497 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059585.D

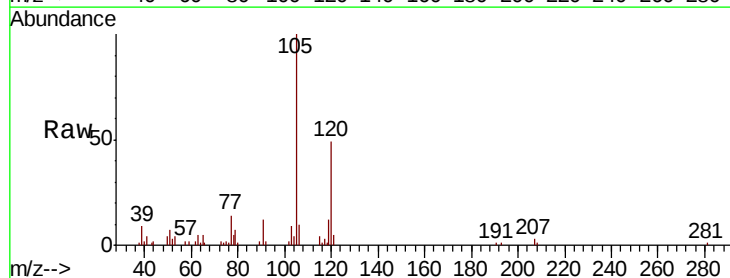
Acq: 13 Dec 2019 16:00

Tgt Ion: 105 Resp: 38209

Ion Ratio Lower Upper

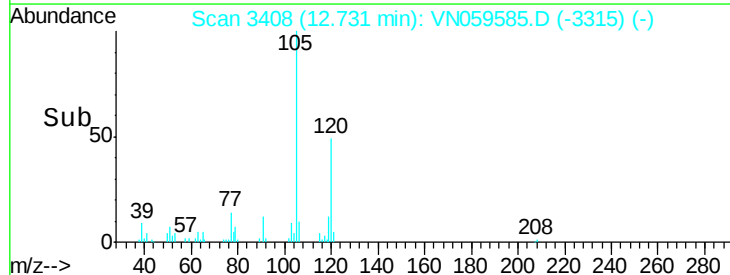
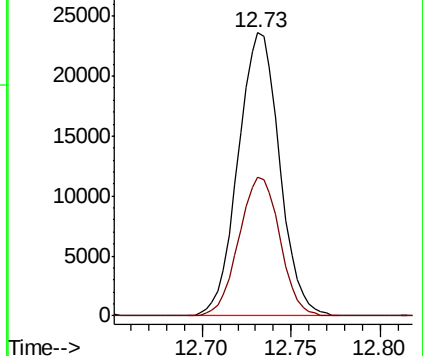
105 100

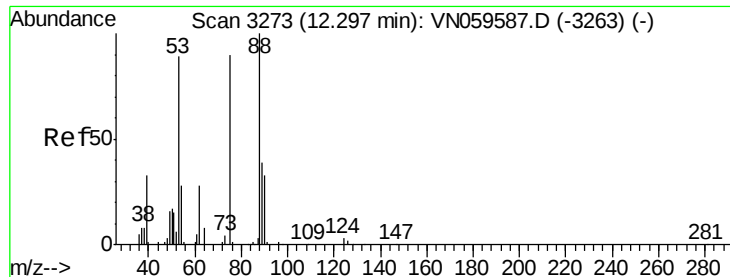
120 48.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059585.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059585.D (-3390) (-)





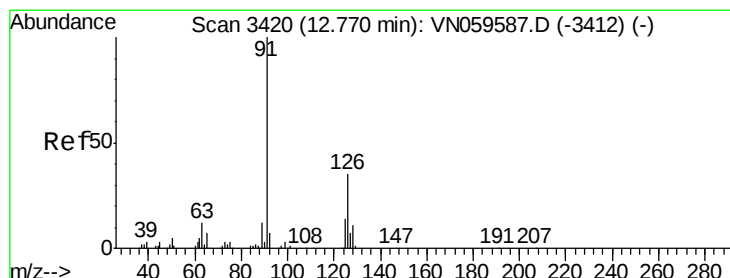
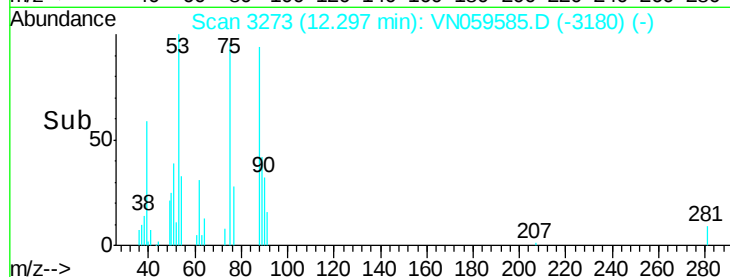
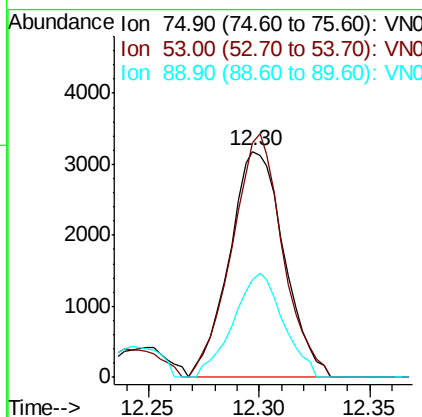
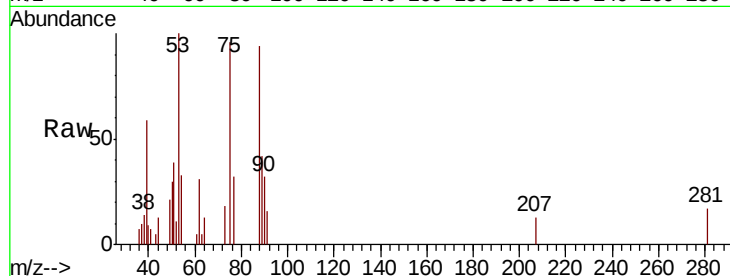
#81
trans-1,4-Dichloro-2-butene
Concen: 3.327 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	78.1	117.1
89	42.2	35.4	53.2

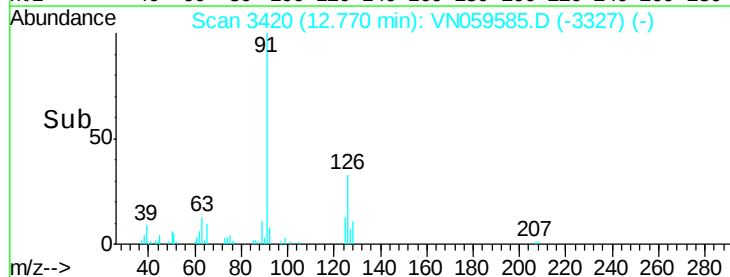
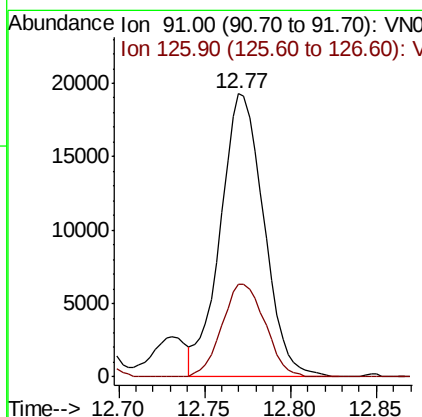
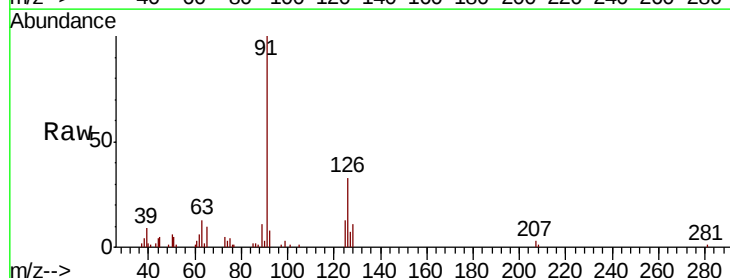
Manual Integrations
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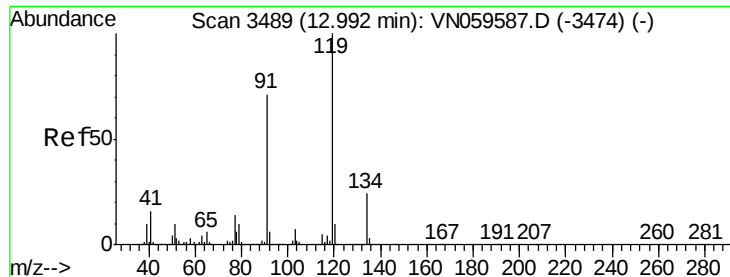
apatel
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#82
4-Chlorotoluene
Concen: 3.569 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.3	48.8





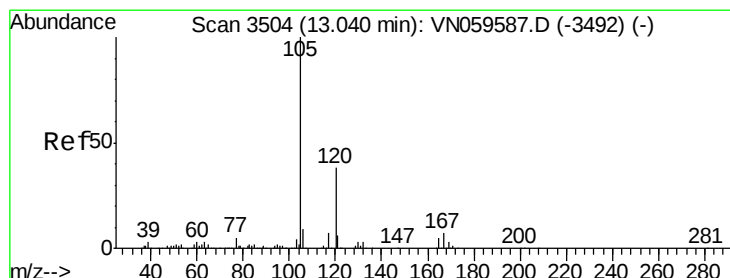
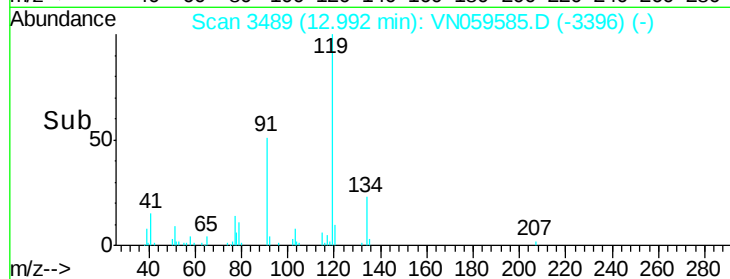
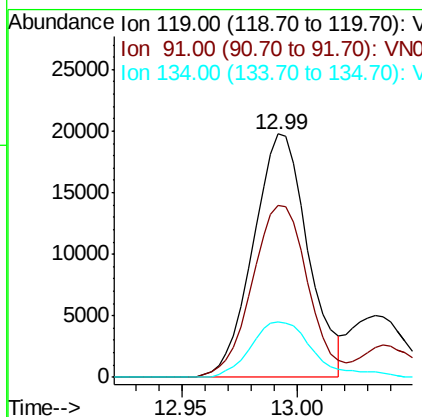
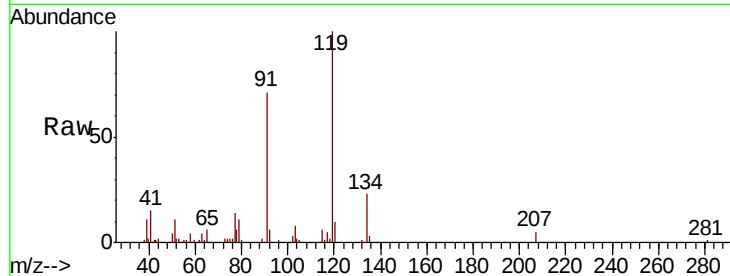
#83
 tert-Butylbenzene
 Concen: 3.572 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	34.8	104.4
134	26.2	12.3	36.9

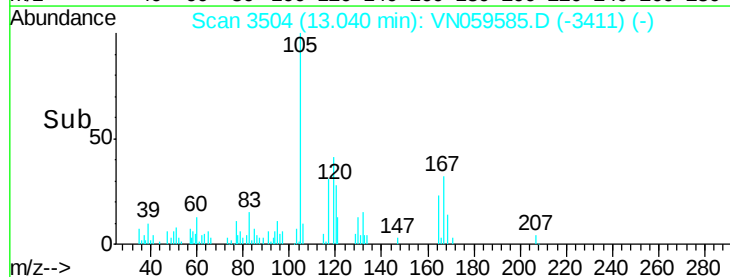
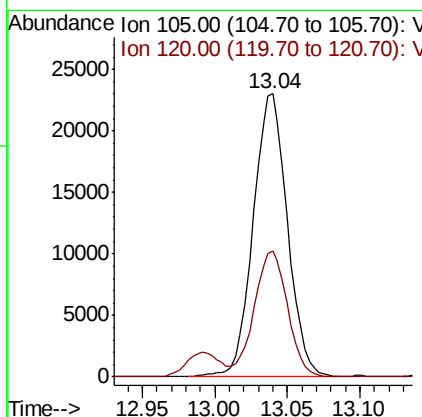
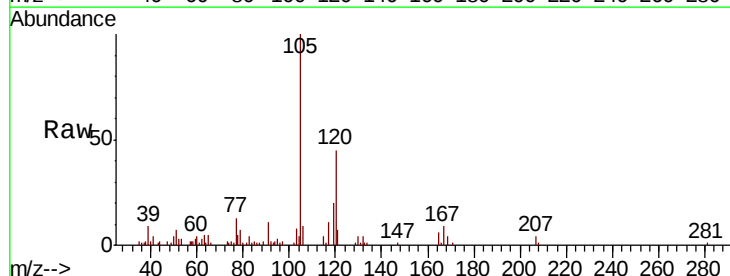
Manual Integrations
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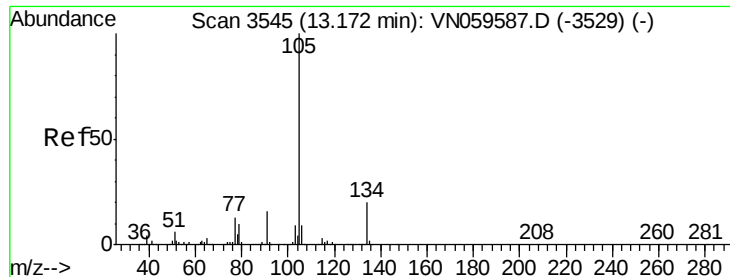
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 3.515 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.3	66.9





#85

sec-Butylbenzene

Concen: 3.529 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 43959

Ion Ratio Lower Upper

105 100

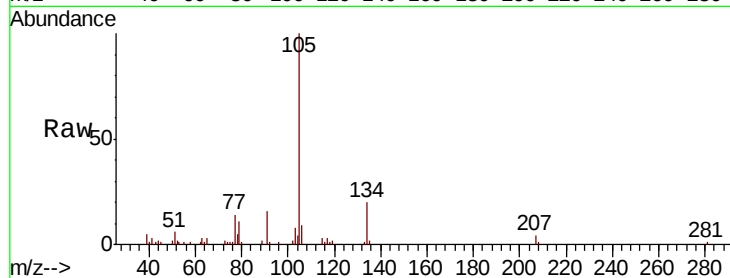
134 20.3 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

30000

25000

20000

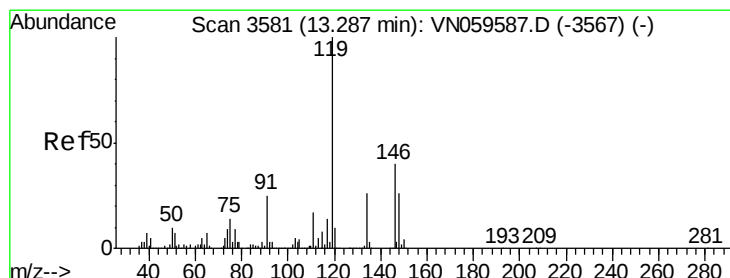
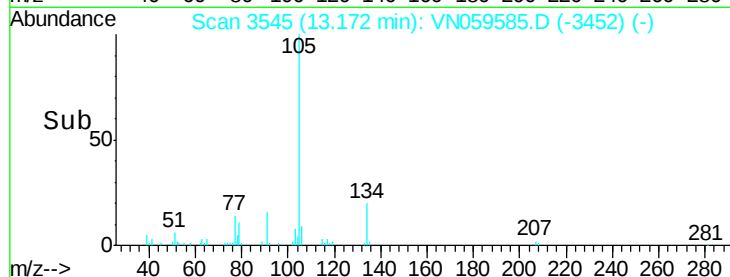
15000

10000

5000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 3.412 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059585.D

Acq: 13 Dec 2019 16:00

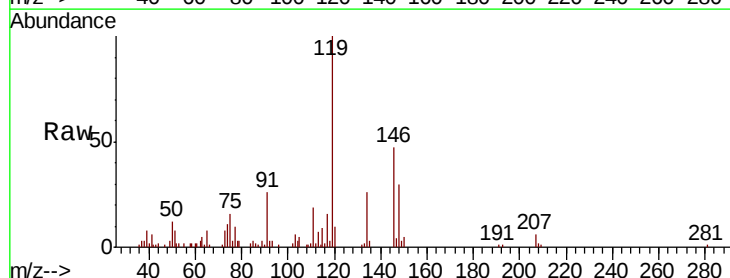
Tgt Ion:119 Resp: 37924

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

13.29

30000

25000

20000

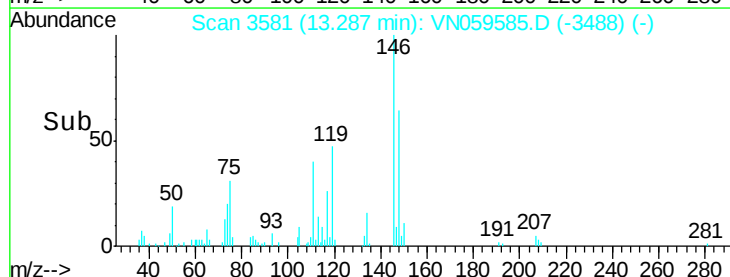
15000

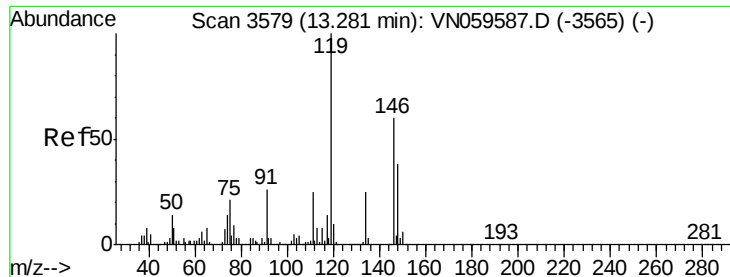
10000

5000

0

Time--> 13.20 13.25 13.30 13.35





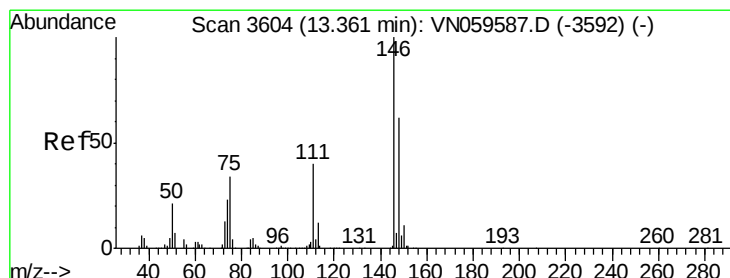
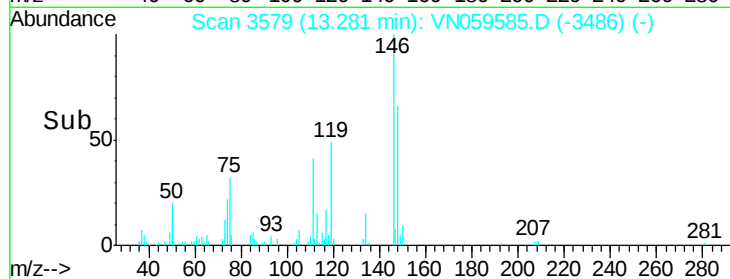
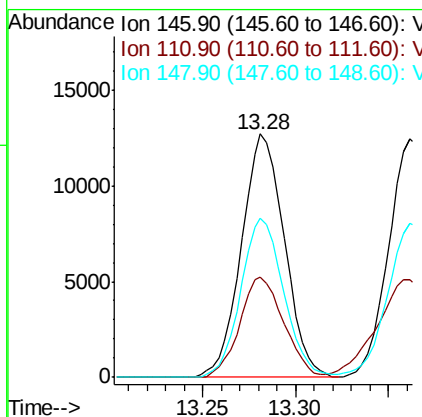
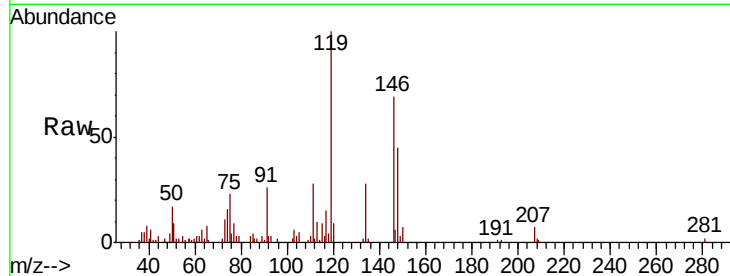
#87
 1,3-Dichlorobenzene
 Concen: 3.521 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.2
148	65.3	32.0	96.0

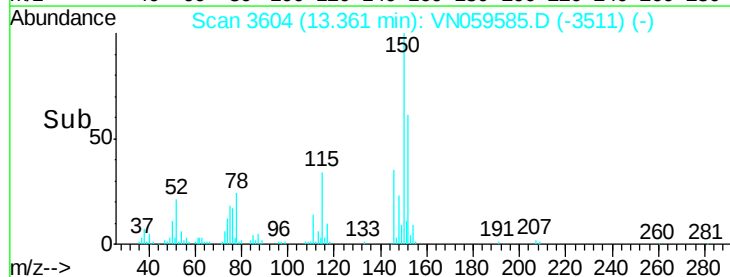
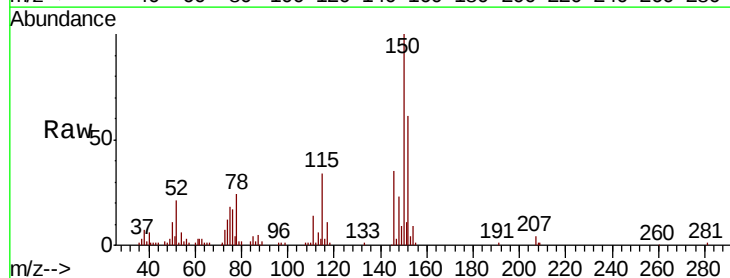
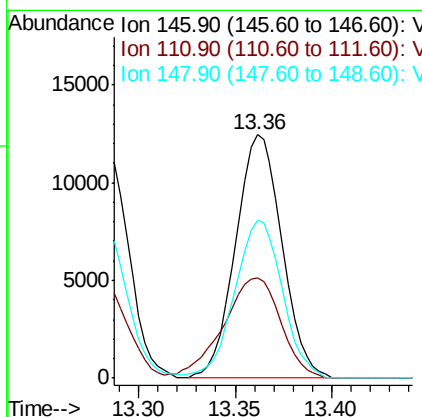
Manual Integrations
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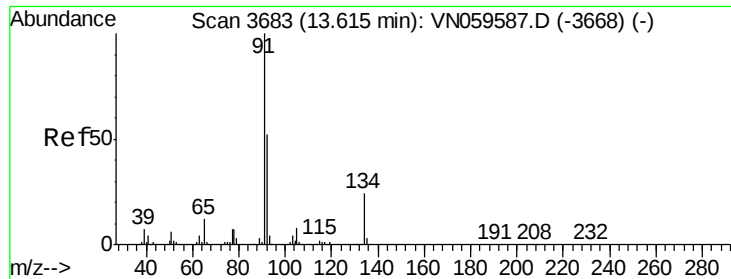
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#88
 1,4-Dichlorobenzene
 Concen: 3.662 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.2	20.8	62.2
148	66.6	31.8	95.4





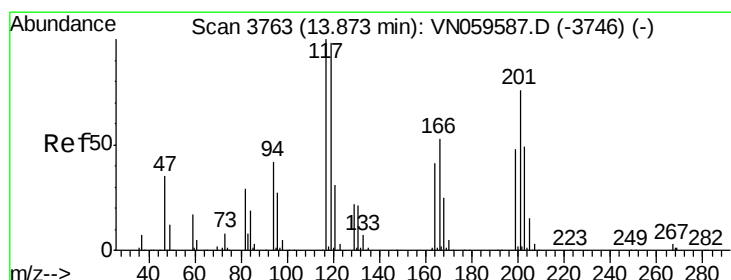
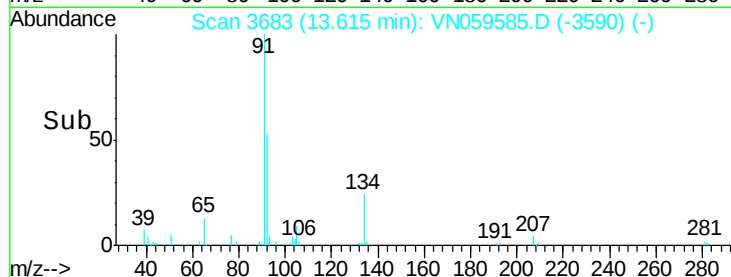
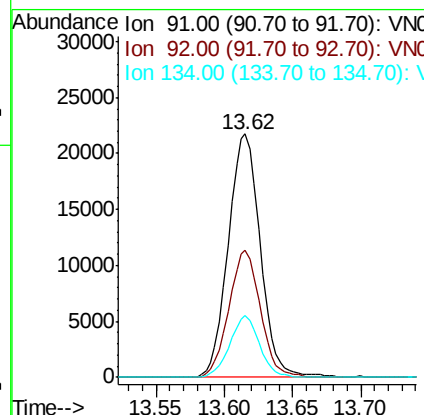
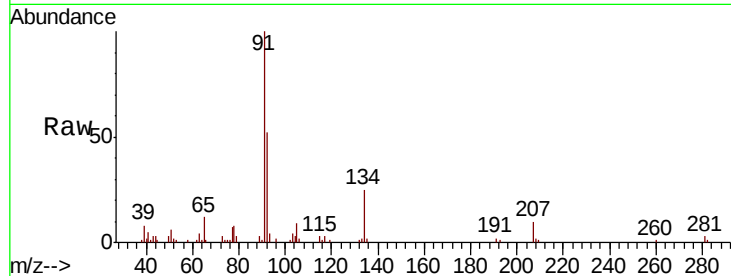
#89
n-Butylbenzene
Concen: 3.391 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	23.4	12.3	36.8

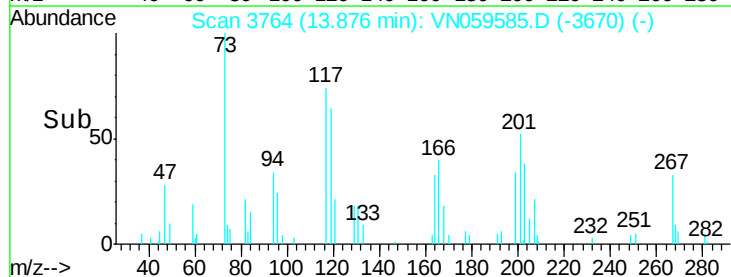
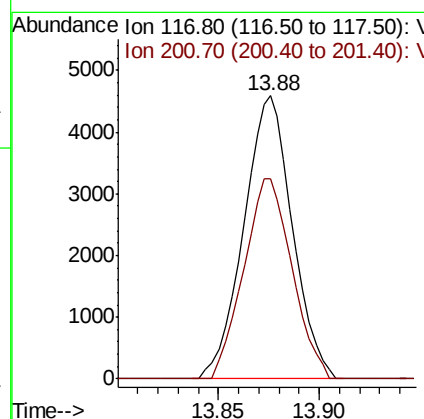
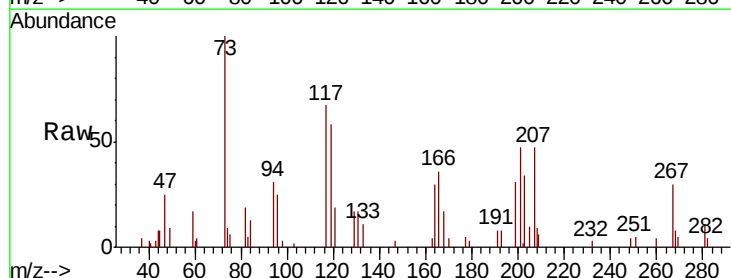
Manual Integrations
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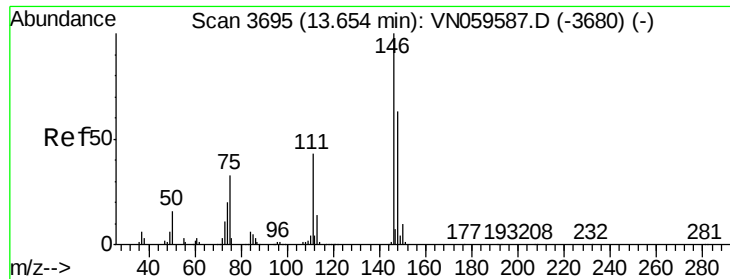
apatel
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#90
Hexachloroethane
Concen: 3.754 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	37.8	113.4





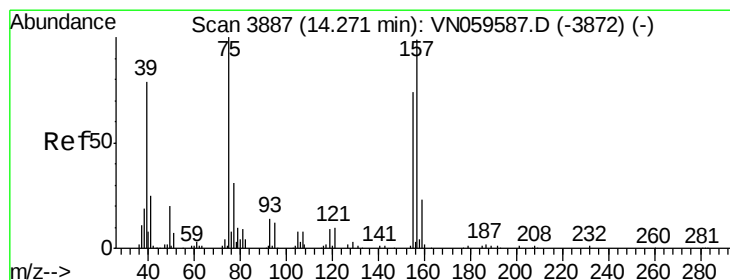
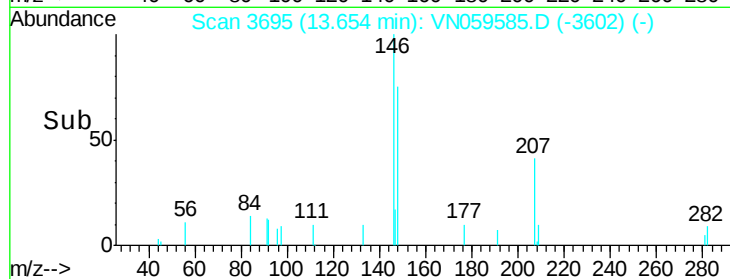
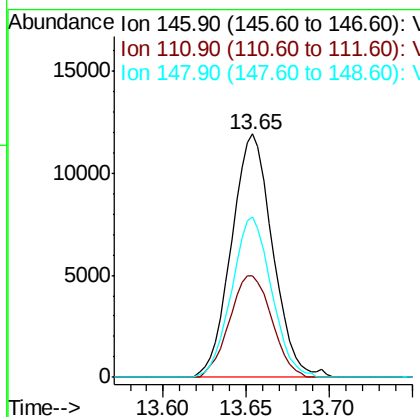
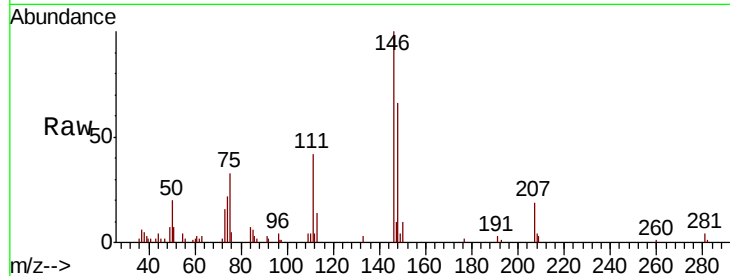
#91
 1,2-Dichlorobenzene
 Concen: 3.756 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	63.8	31.6	95.0

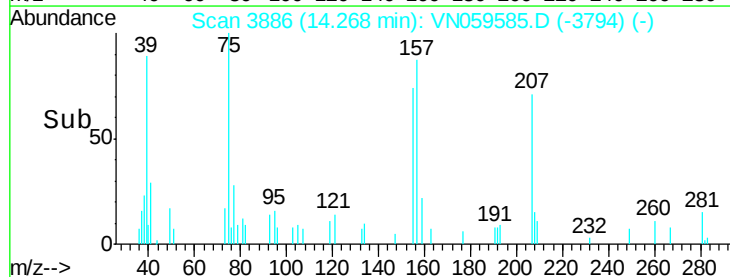
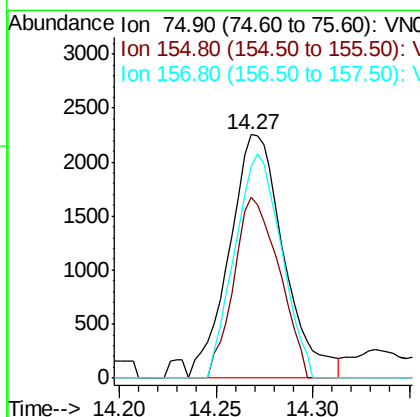
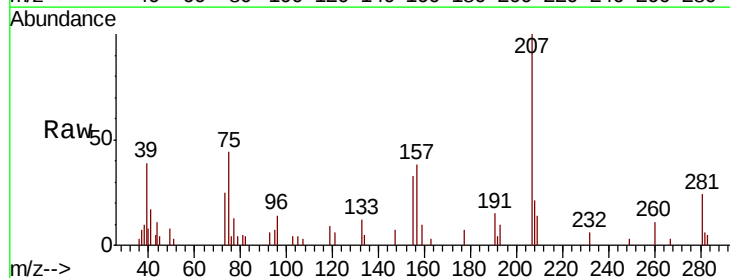
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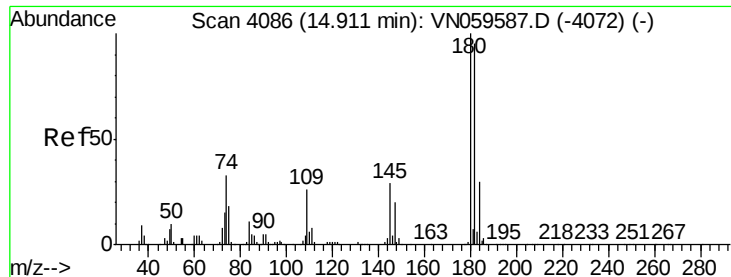
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.045 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.2	37.0	110.9
157	78.8	48.4	145.2





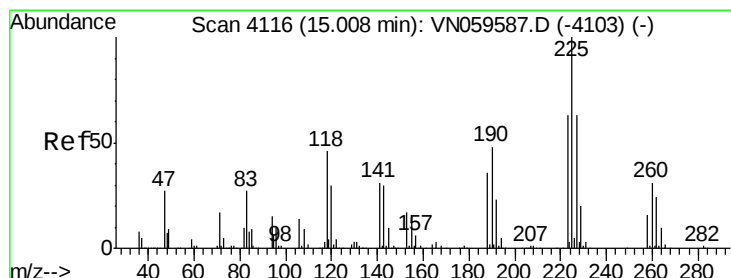
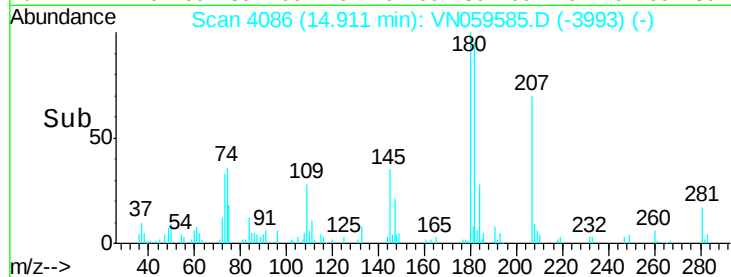
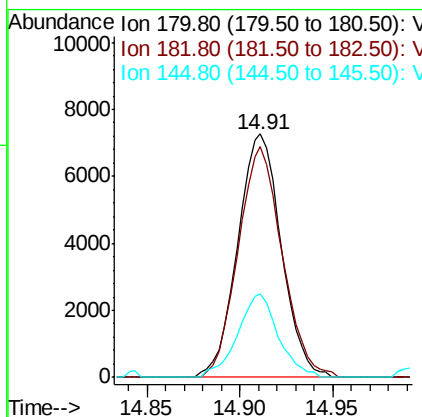
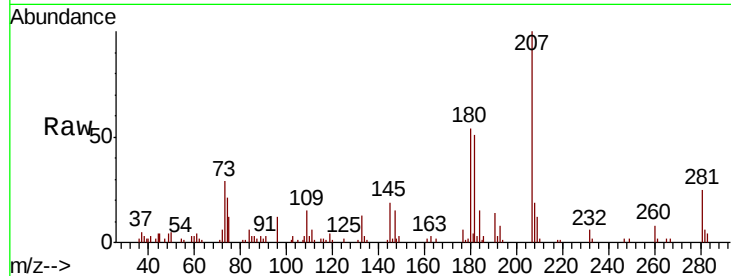
#93
 1,2,4-Trichlorobenzene
 Concen: 3.183 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	11835		
182	95.8	46.9	140.7	
145	32.0	15.0	45.1	

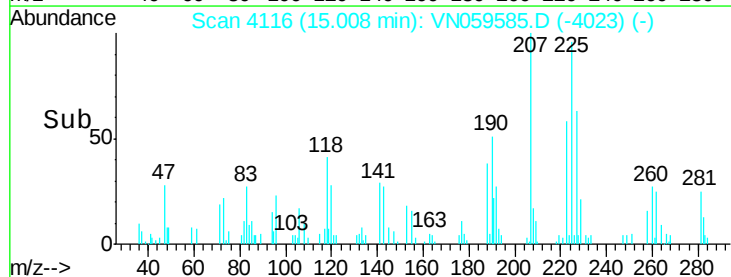
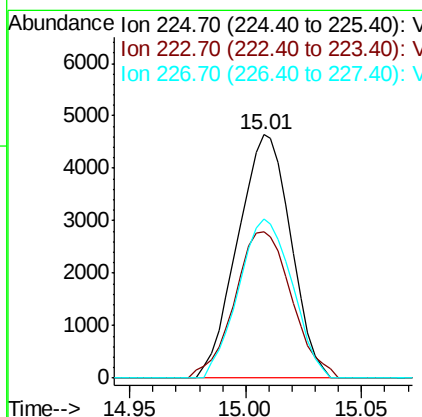
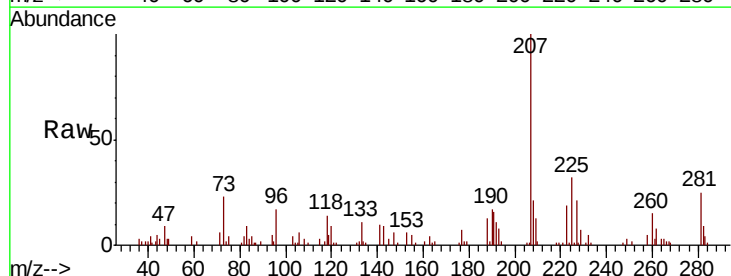
Manual Integrations
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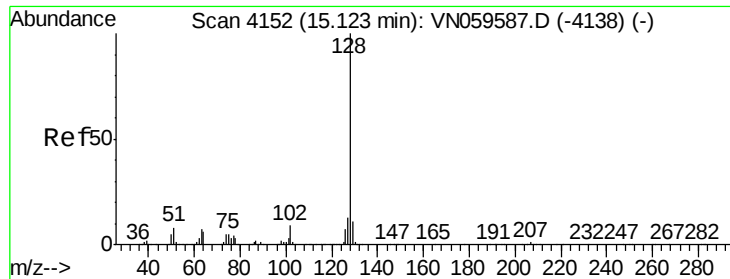
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#94
 Hexachlorobutadiene
 Concen: 3.942 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059585.D
 Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	7400		
223	64.3	31.8	95.3	
227	66.0	32.1	96.5	





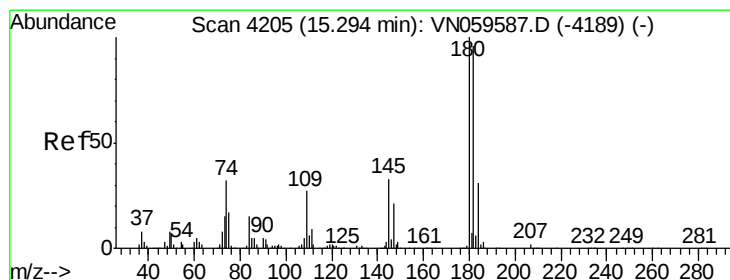
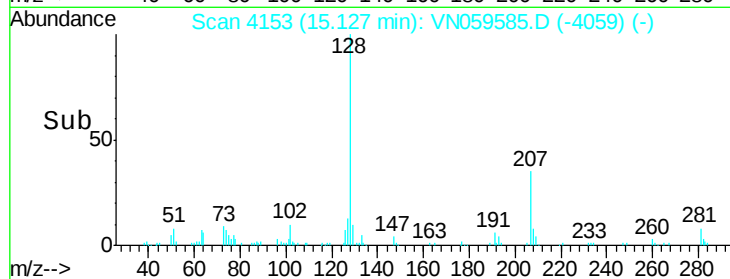
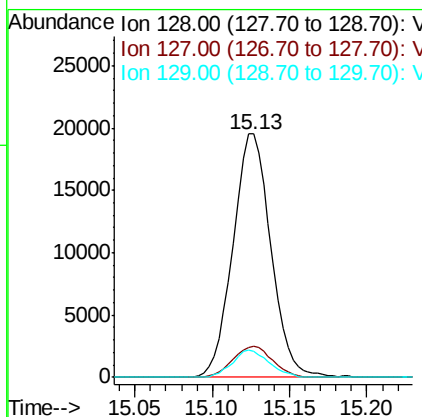
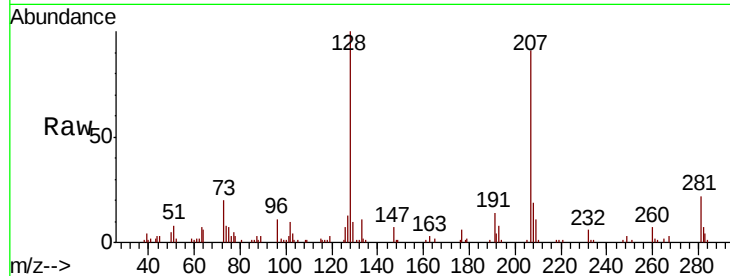
#95
Naphthalene
Concen: 3.041 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 3.332 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059585.D
Acq: 13 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.5	47.4	142.3
145	33.2	16.3	48.9

