

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059586.D
 Acq On : 13 Dec 2019 16:22
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
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Quant Time: Dec 13 17:39:04 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	260146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	420665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	382536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176388	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	74952	20.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	40.12%	
35) Dibromofluoromethane	7.57	113	52366	20.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	41.00%	
50) Toluene-d8	10.08	98	204648	19.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.98%	
62) 4-Bromofluorobenzene	12.40	95	72192	19.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	61618	19.921	ug/l	98
3) Chloromethane	2.04	50	98124	20.718	ug/l	100
4) Vinyl Chloride	2.17	62	93938	20.331	ug/l	100
5) Bromomethane	2.54	94	54472	19.290	ug/l	99
6) Chloroethane	2.68	64	55215	20.144	ug/l	99
7) Trichlorofluoromethane	2.99	101	104242	18.947	ug/l	98
8) Diethyl Ether	3.39	74	32031	17.117	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	51203	18.033	ug/l	99
10) Methyl Iodide	3.92	142	67938	17.507	ug/l	99
11) Tert butyl alcohol	4.75	59	62658	99.289	ug/l	99
12) 1,1-Dichloroethene	3.71	96	49304	17.762	ug/l	99
13) Acrolein	3.58	56	47587	132.261	ug/l	97
14) Allyl chloride	4.29	41	96865	18.191	ug/l	99
15) Acrylonitrile	4.95	53	157507	96.873	ug/l	99
16) Acetone	3.79	43	210161	114.439	ug/l	97
17) Carbon Disulfide	4.03	76	159592	15.655	ug/l	98
18) Methyl Acetate	4.29	43	84057	18.385	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	176147	19.109	ug/l	100
20) Methylene Chloride	4.52	84	57948	16.474	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	54520	18.360	ug/l	97
22) Diisopropyl ether	5.92	45	191636	18.913	ug/l	97
23) Vinyl Acetate	5.86	43	790140	94.151	ug/l	99
24) 1,1-Dichloroethane	5.82	63	108611	18.858	ug/l	98
25) 2-Butanone	6.81	43	249474	104.729	ug/l	99
26) 2,2-Dichloropropane	6.80	77	97326	18.692	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	62177	18.590	ug/l	98
28) Bromochloromethane	7.17	49	47453	25.301	ug/l	98
29) Tetrahydrofuran	7.18	42	150572	92.641	ug/l	99
30) Chloroform	7.35	83	107121	18.860	ug/l	97
31) Cyclohexane	7.63	56	98193	17.539	ug/l #	92
32) 1,1,1-Trichloroethane	7.54	97	94440	18.734	ug/l	99
36) 1,1-Dichloropropene	7.77	75	81300	18.550	ug/l	99
37) Ethyl Acetate	6.90	43	93559	20.484	ug/l	99
38) Carbon Tetrachloride	7.75	117	83334	19.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	88778	18.079	ug/l	97
40) Benzene	8.02	78	237227	18.908	ug/l	99
41) Methacrylonitrile	7.16	41	41685m	19.487	ug/l	
42) 1,2-Dichloroethane	8.10	62	90131	19.243	ug/l	100
43) Isopropyl Acetate	8.14	43	144147	18.982	ug/l	100
44) Trichloroethene	8.82	130	60992	19.183	ug/l	98
45) 1,2-Dichloropropane	9.10	63	62780	18.901	ug/l	98
46) Dibromomethane	9.19	93	41361	18.791	ug/l	99
47) Bromodichloromethane	9.39	83	84033	19.245	ug/l	99
48) Methyl methacrylate	9.18	41	63963	19.186	ug/l	99
49) 1,4-Dioxane	9.18	88	20161	452.124	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	453306	102.674	ug/l	99
52) Toluene	10.15	92	141991	18.965	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	94826	18.615	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	100760	19.298	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	56976	18.812	ug/l	99
56) Ethyl methacrylate	10.42	69	83147	18.576	ug/l	99
57) 1,3-Dichloropropane	10.70	76	99771	19.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	162284	114.487	ug/l	100
59) 2-Hexanone	10.74	43	357138	106.739	ug/l	99
60) Dibromochloromethane	10.90	129	61368	18.690	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59130	18.781	ug/l	99
64) Tetrachloroethene	10.63	164	59259	19.964	ug/l	98
65) Chlorobenzene	11.43	112	150472	18.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	56840	18.627	ug/l	98
67) Ethyl Benzene	11.51	91	274379	18.695	ug/l	99
68) m/p-Xylenes	11.62	106	202128	37.177	ug/l	99
69) o-Xylene	11.94	106	96291	18.968	ug/l	100
70) Styrene	11.96	104	149059	17.731	ug/l	97
71) Bromoform	12.12	173	41946	17.731	ug/l #	95
73) Isopropylbenzene	12.25	105	254551	18.461	ug/l	99
74) N-amyl acetate	12.07	43	118813	19.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	81633	17.740	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83113m	17.908	ug/l	
77) Bromobenzene	12.52	156	61798	18.272	ug/l	99
78) n-propylbenzene	12.59	91	304187	18.148	ug/l	99
79) 2-Chlorotoluene	12.67	91	180347	18.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	217285	18.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31515	17.934	ug/l	98
82) 4-Chlorotoluene	12.77	91	185645	18.217	ug/l	99
83) tert-Butylbenzene	12.99	119	181318	18.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	214823	18.668	ug/l	100
85) sec-Butylbenzene	13.17	105	242919	18.259	ug/l	99
86) p-Isopropyltoluene	13.29	119	218365	18.396	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	110875	17.889	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	110106	18.182	ug/l	100
89) n-Butylbenzene	13.62	91	199976	17.872	ug/l	98
90) Hexachloroethane	13.87	117	40898	18.644	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	109211	18.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19544	16.750	ug/l	96

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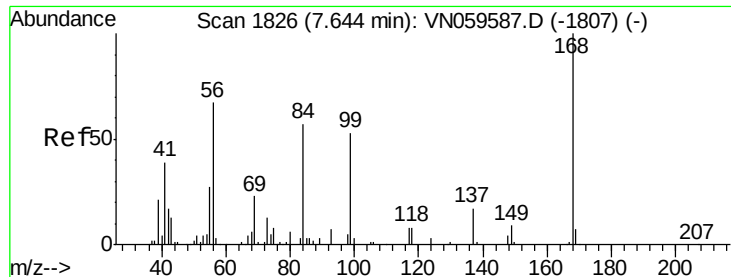
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65171	16.411	ug/l	99
94) Hexachlorobutadiene	15.01	225	36503	18.207	ug/l	98
95) Naphthalene	15.13	128	190679	16.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	63526	15.565	ug/l	100

(#) = 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: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 260146

Ion Ratio Lower Upper

168 100

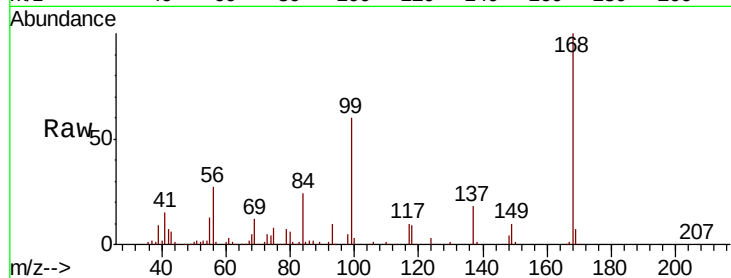
99 59.8 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

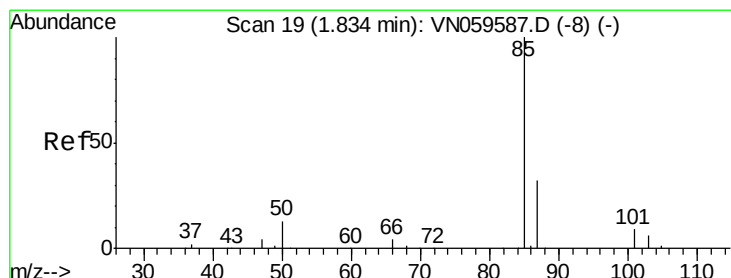
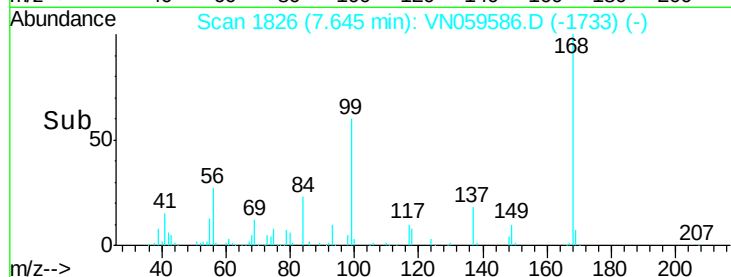
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.921 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059586.D

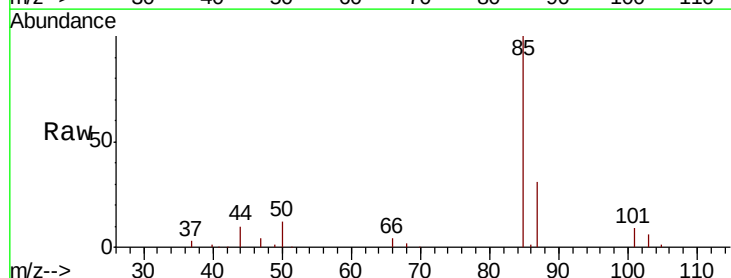
Acq: 13 Dec 2019 16:22

Tgt Ion: 85 Resp: 61618

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

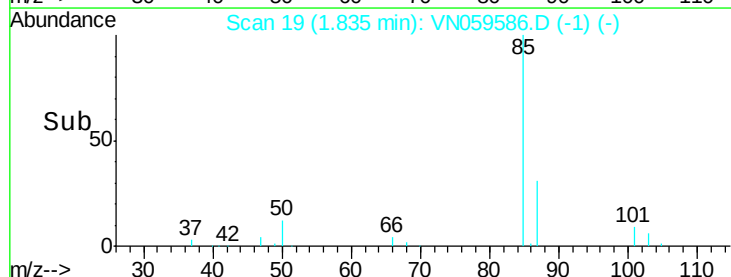
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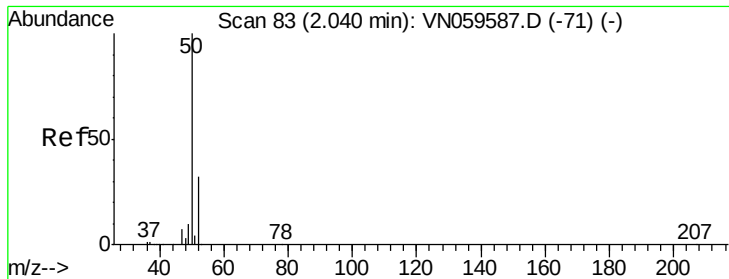
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.718 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 98124

Ion Ratio Lower Upper

50 100

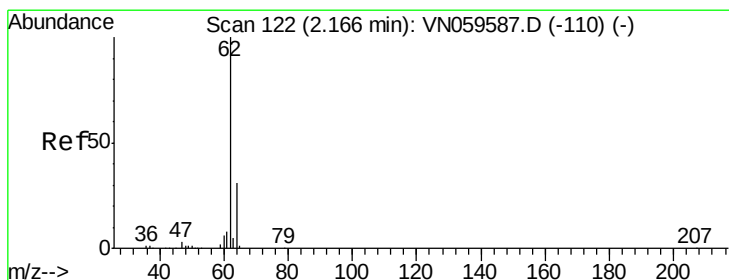
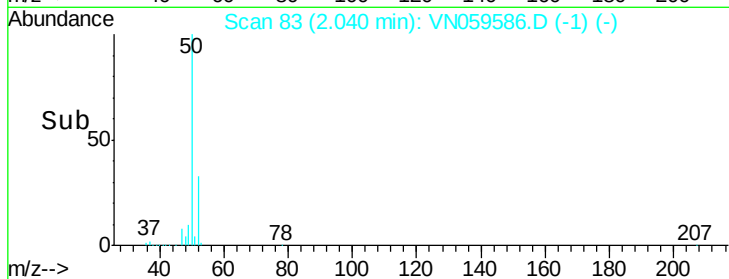
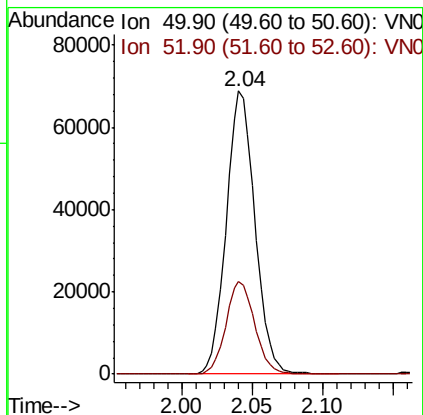
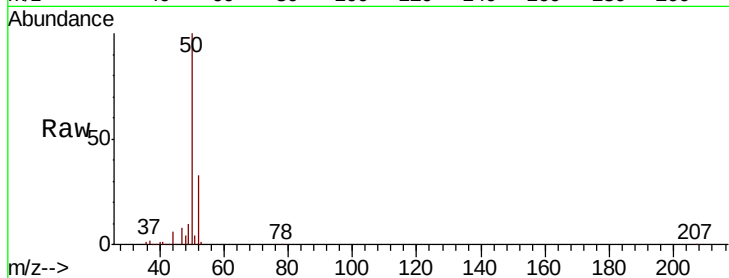
52 32.6 25.9 38.9

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#4

Vinyl Chloride

Concen: 20.331 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059586.D

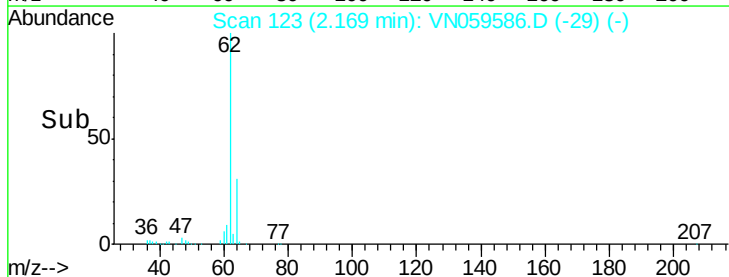
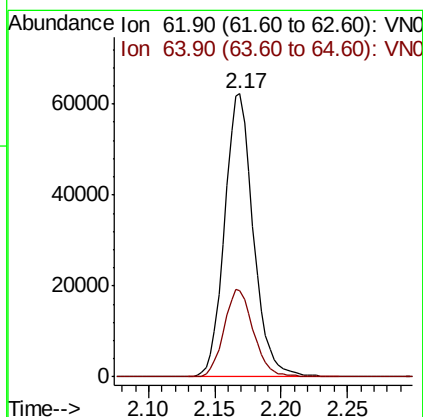
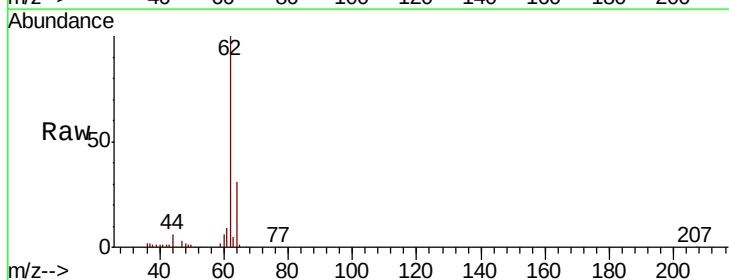
Acq: 13 Dec 2019 16:22

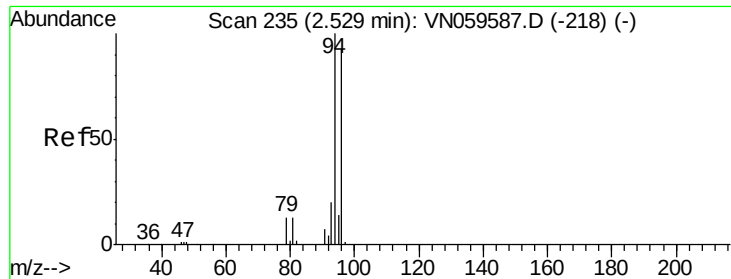
Tgt Ion: 62 Resp: 93938

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0





#5

Bromomethane

Concen: 19.290 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 54472

Ion Ratio Lower Upper

94 100

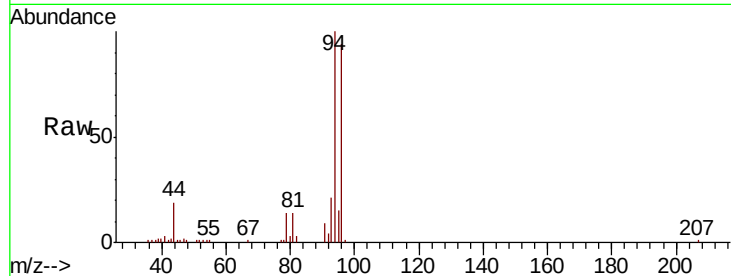
96 94.3 74.7 112.1

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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

25000

20000

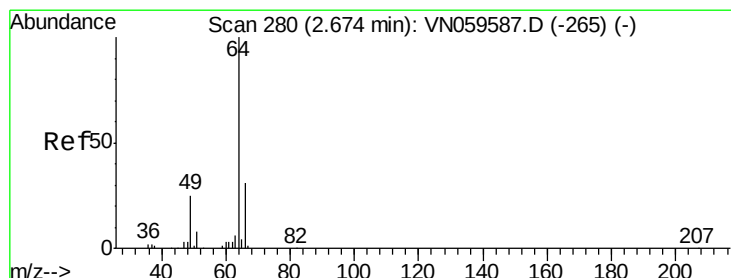
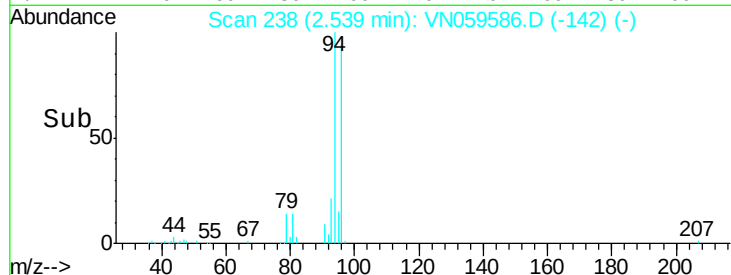
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.144 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059586.D

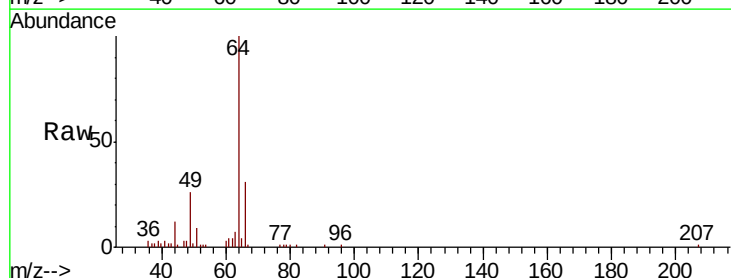
Acq: 13 Dec 2019 16:22

Tgt Ion: 64 Resp: 55215

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

25000

20000

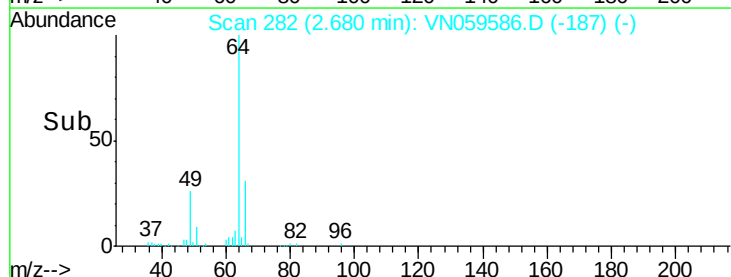
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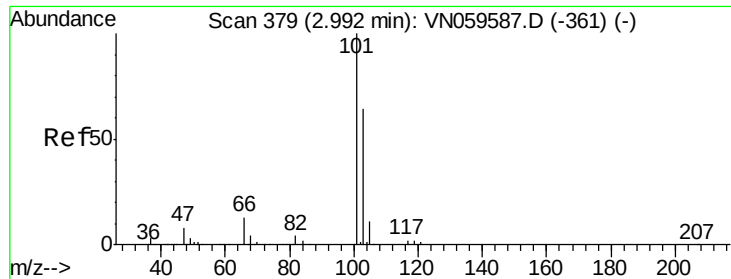
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5000

0

Time-->





#7

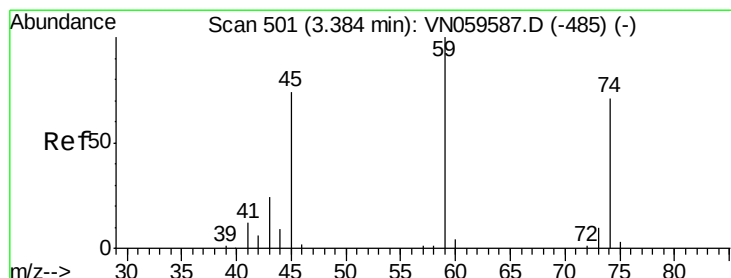
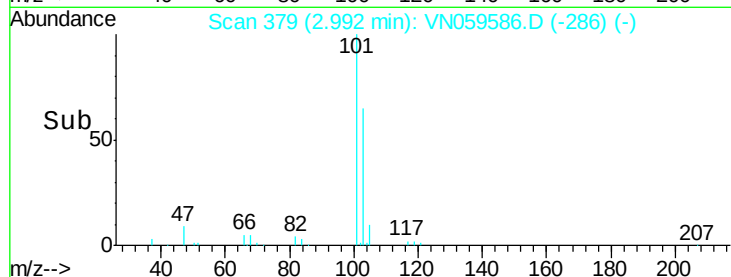
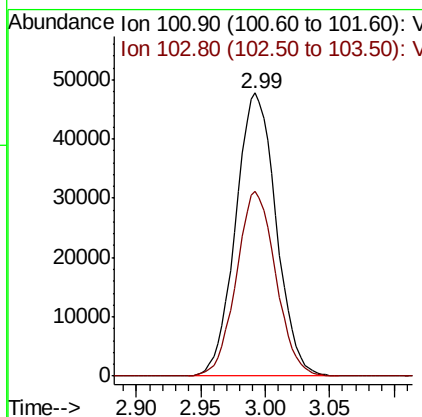
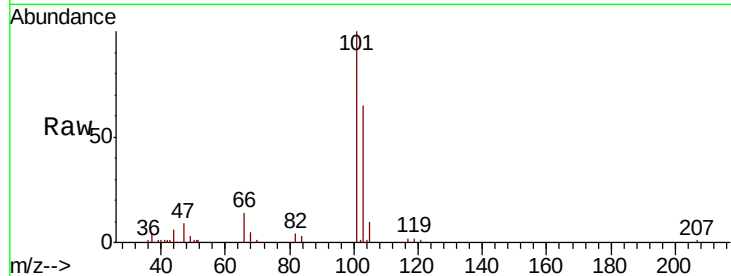
Trichlorofluoromethane
 Concen: 18.947 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.0	76.6

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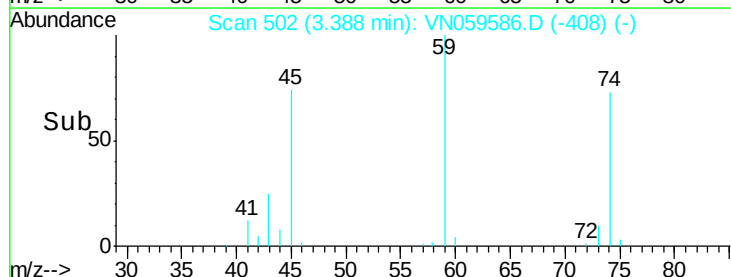
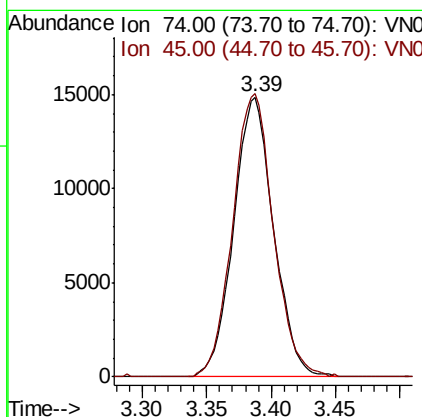
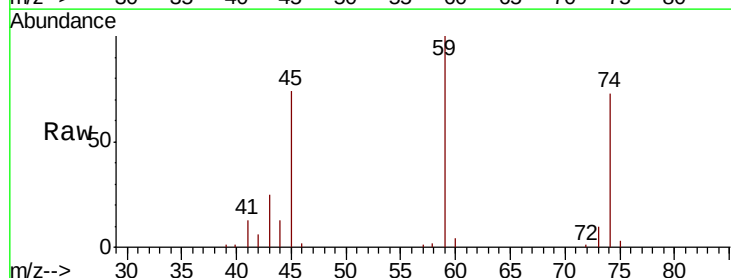
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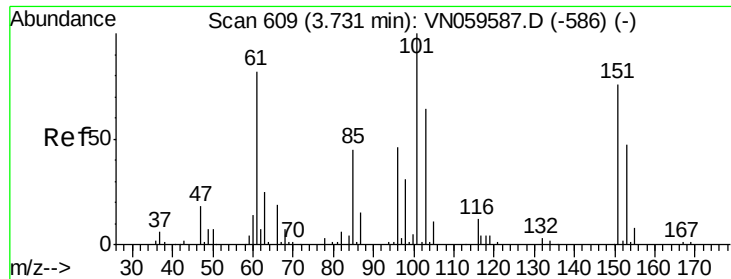


#8

Diethyl Ether
 Concen: 17.117 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.033 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

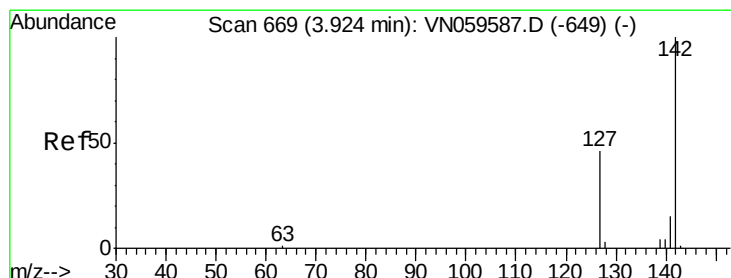
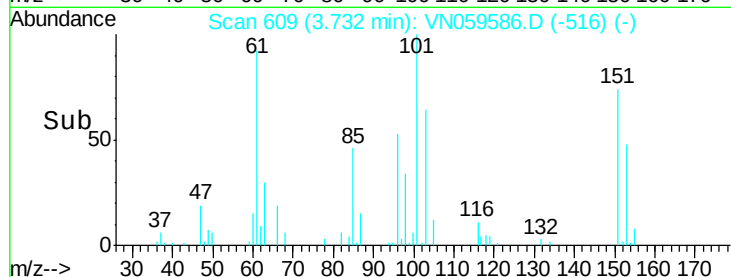
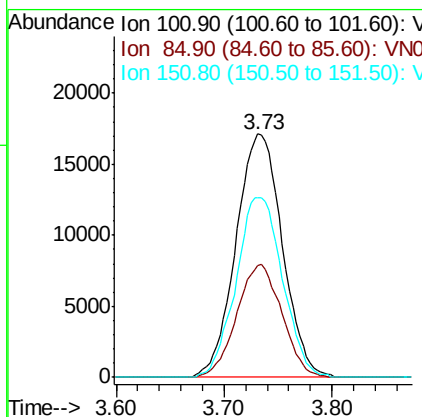
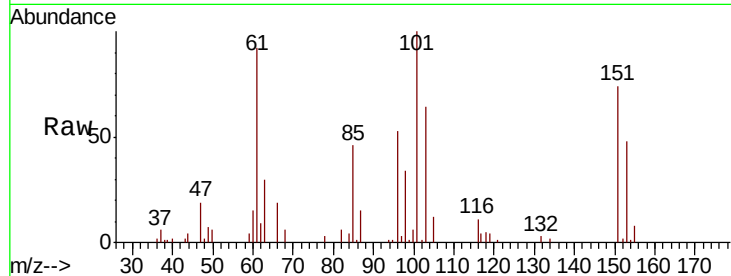
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	51203
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	54.8
151	74.1	59.7	89.5

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#10

Methyl Iodide

Concen: 17.507 ug/l

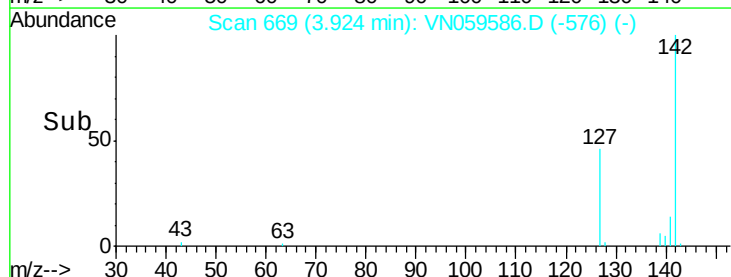
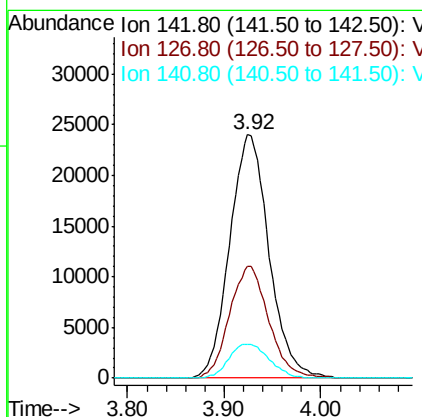
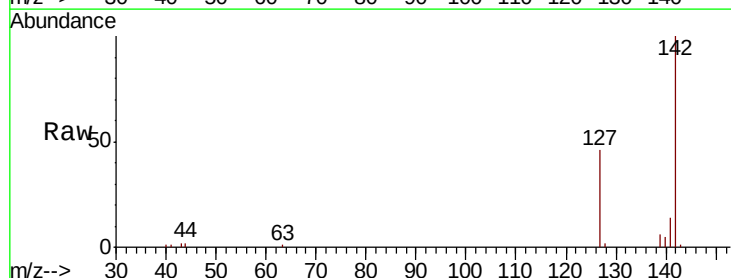
RT: 3.92 min Scan# 669

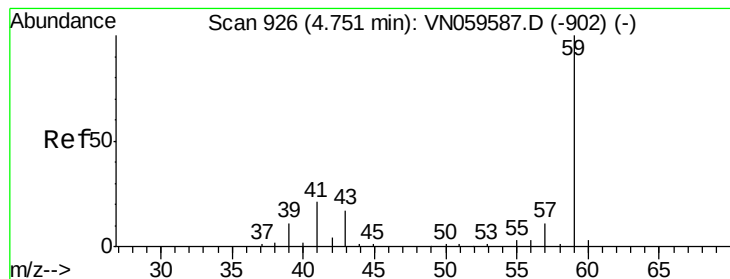
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	142	Resp:	67938
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.7	55.1
141	14.2	11.7	17.5





#11

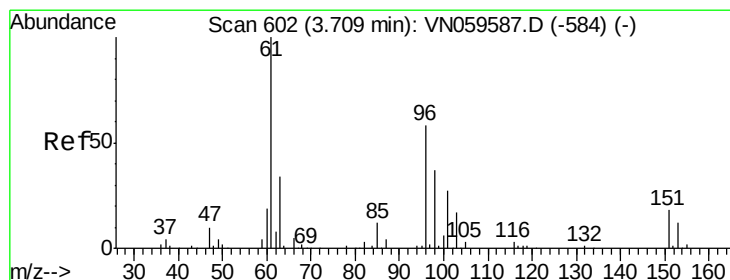
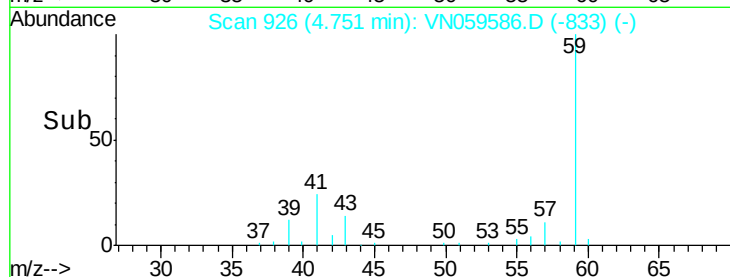
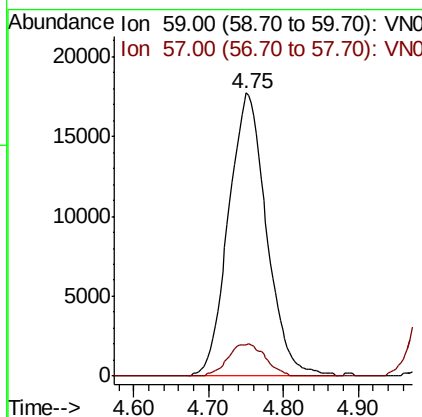
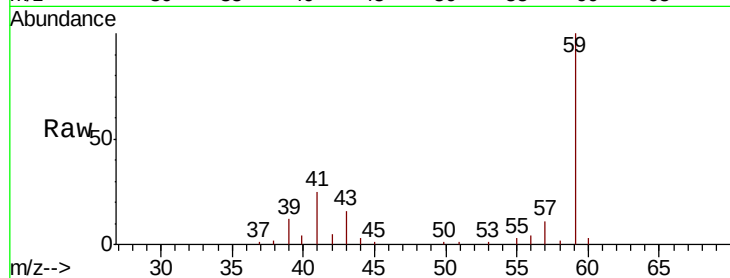
Tert butyl alcohol
 Concen: 99.289 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Manual Integrations
 APPROVED

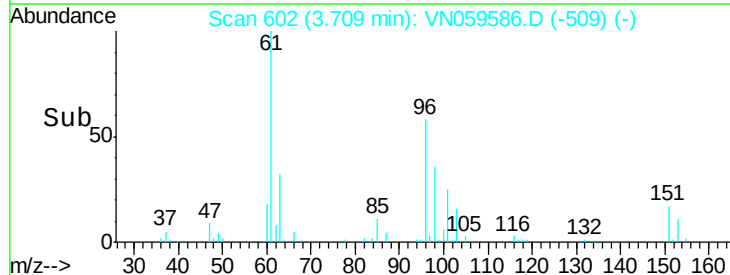
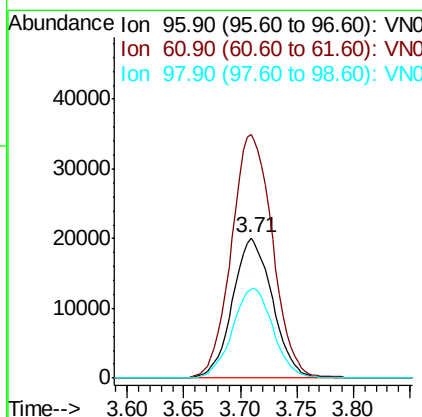
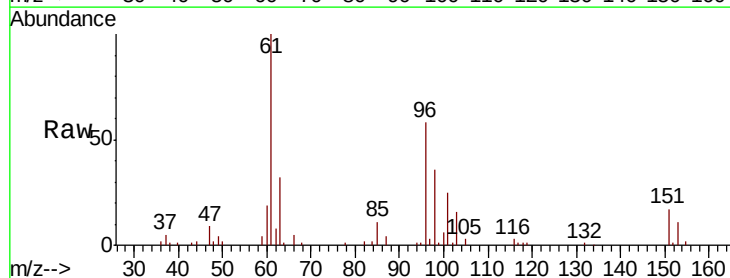
apatel
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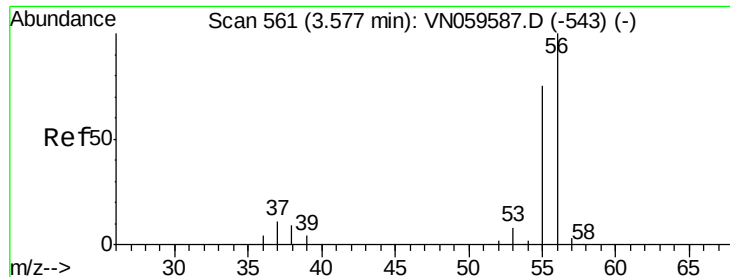


#12

1,1-Dichloroethene
 Concen: 17.762 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.5	137.5	206.3
98	63.1	50.2	75.4





#13

Acrolein

Concen: 132.261 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 47587

Ion Ratio Lower Upper

56 100

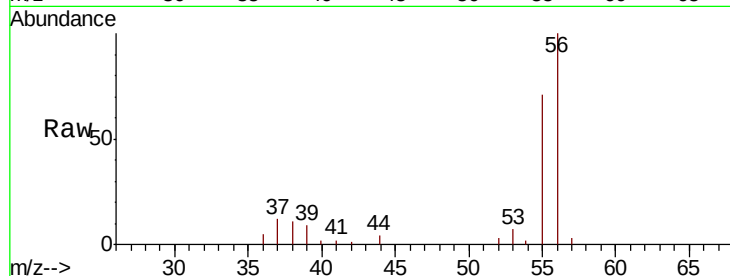
55 70.9 58.6 88.0

Manual Integrations

APPROVED

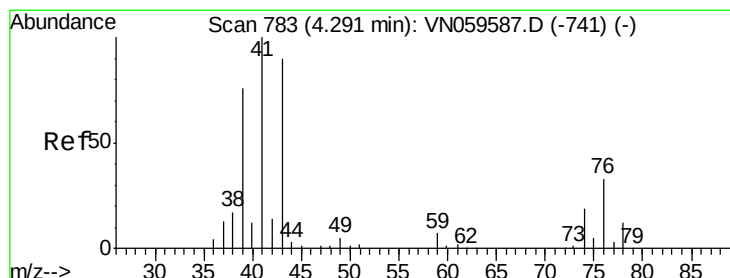
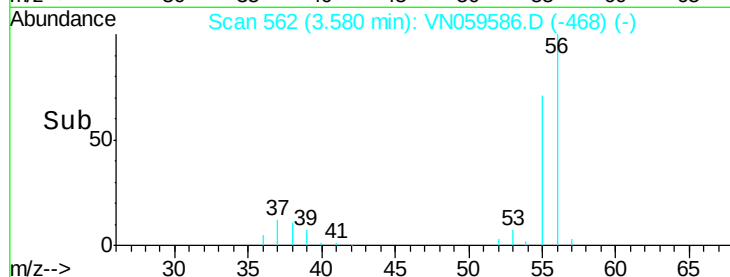
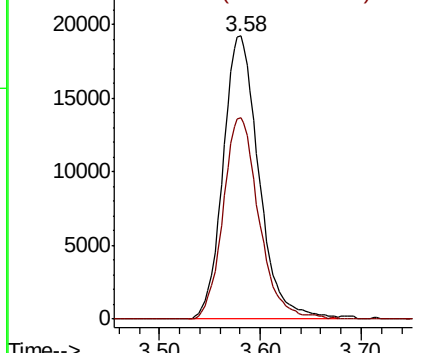
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.191 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

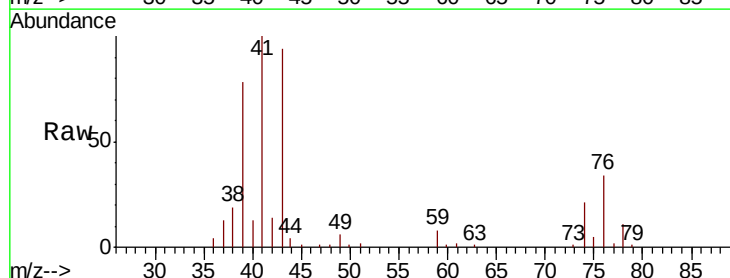
Tgt Ion: 41 Resp: 96865

Ion Ratio Lower Upper

41 100

39 73.1 57.8 86.8

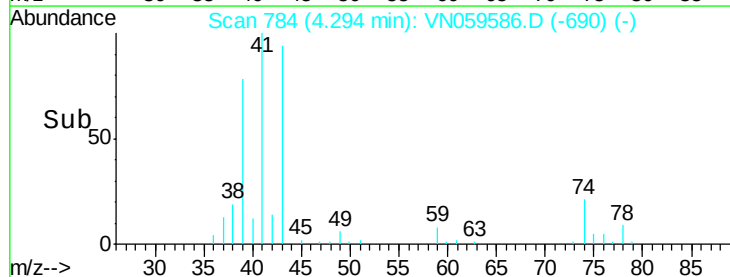
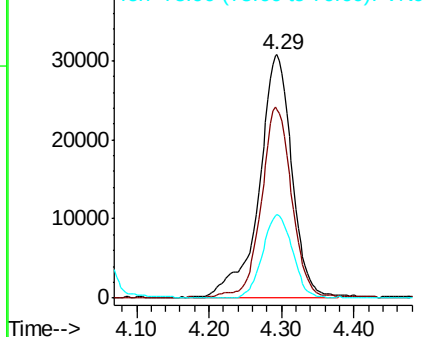
76 31.1 25.4 38.0

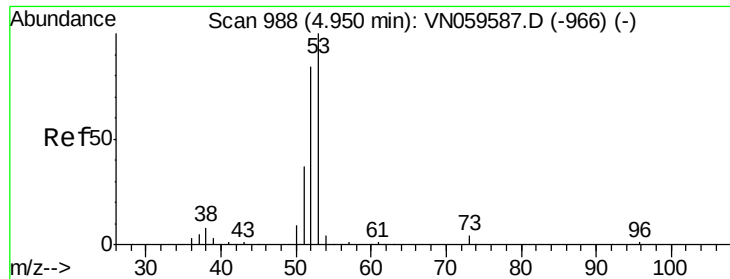


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.873 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

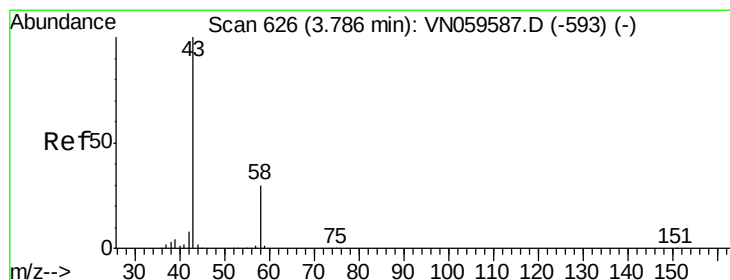
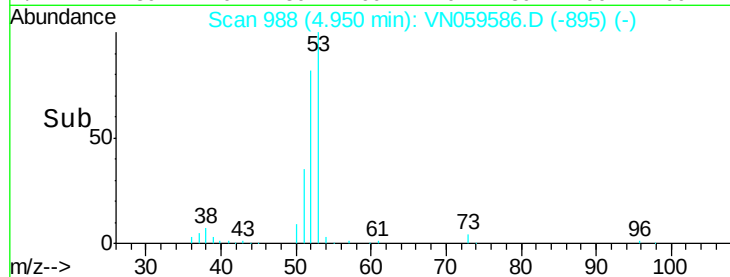
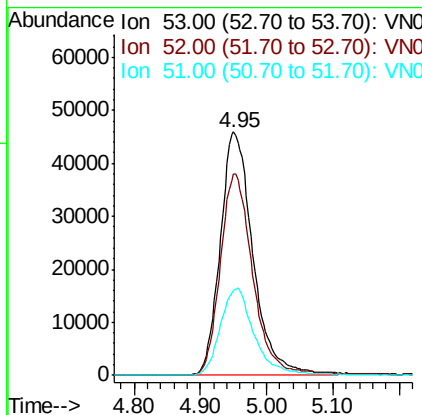
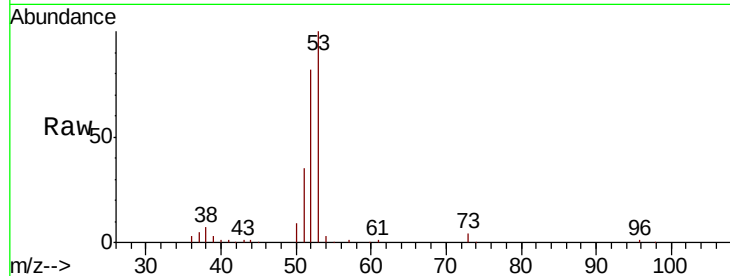
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	157507
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.3	99.5
51	36.9	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 114.439 ug/l

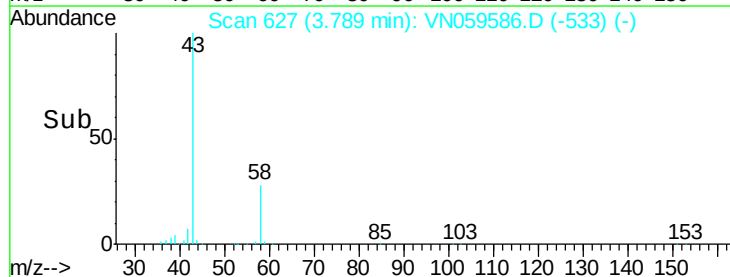
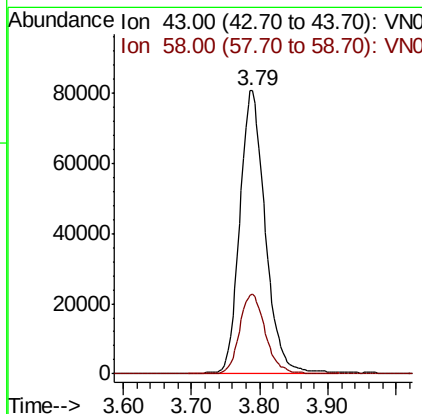
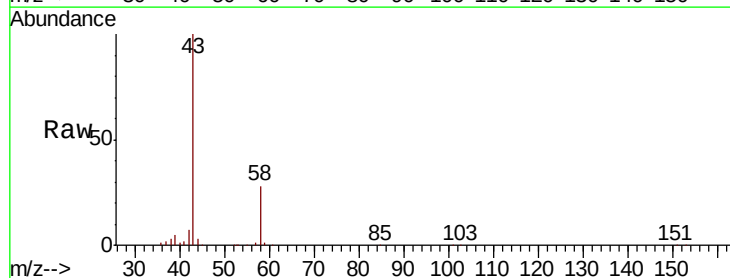
RT: 3.79 min Scan# 627

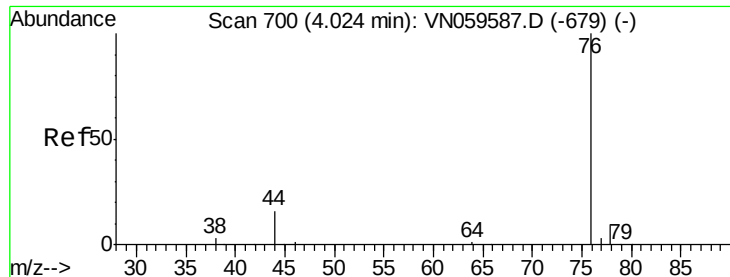
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	43	Resp:	210161
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.6	35.4





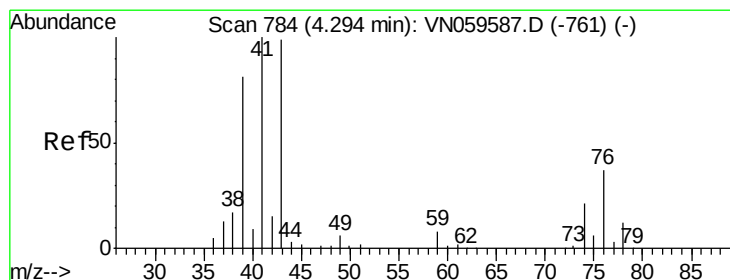
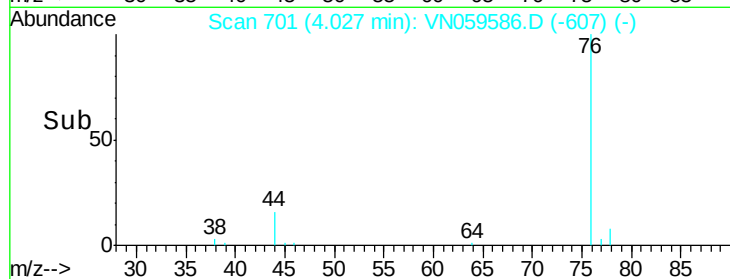
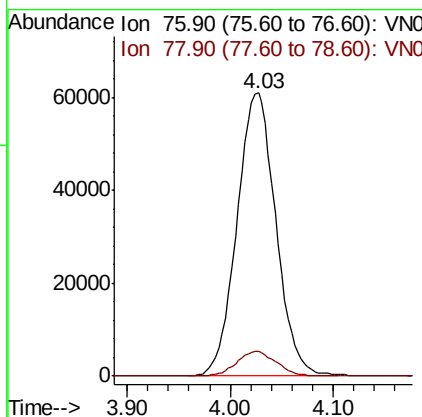
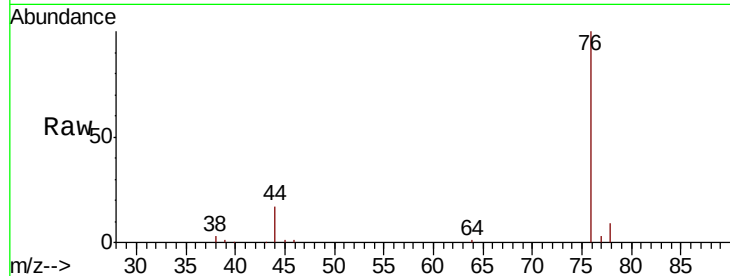
#17
Carbon Disulfide
Concen: 15.655 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

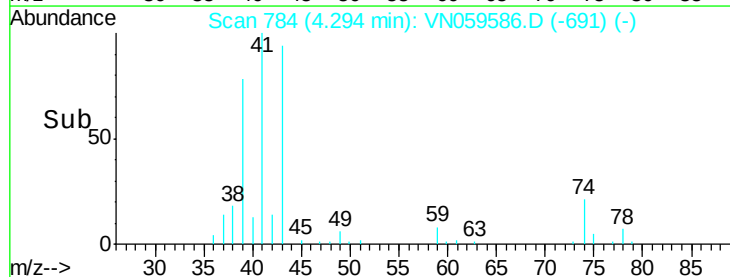
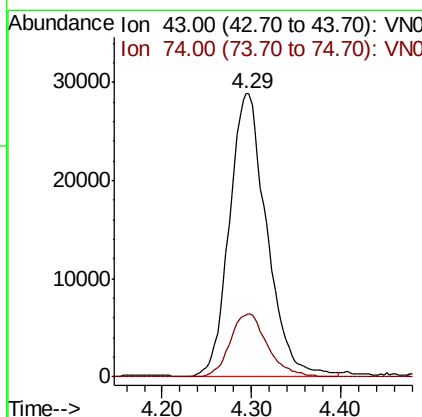
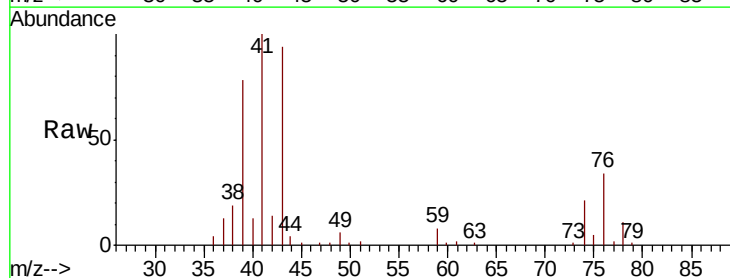
Manual Integrations
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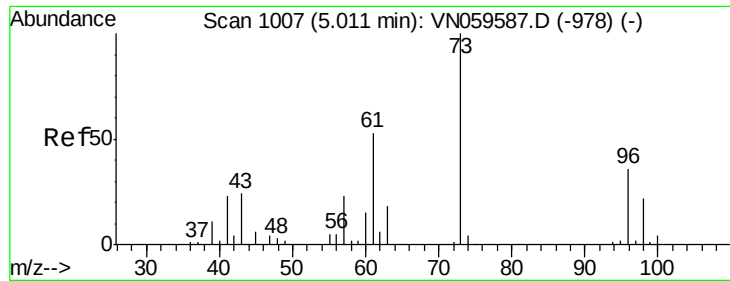
apatel
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#18
Methyl Acetate
Concen: 18.385 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.5	26.3





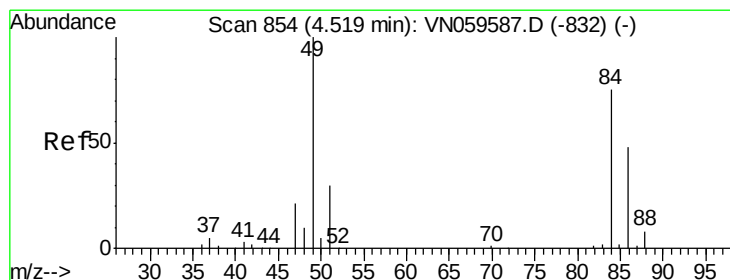
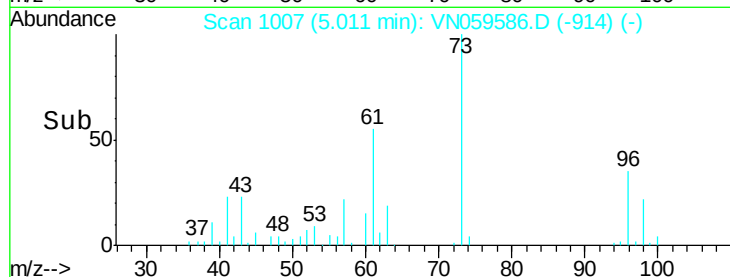
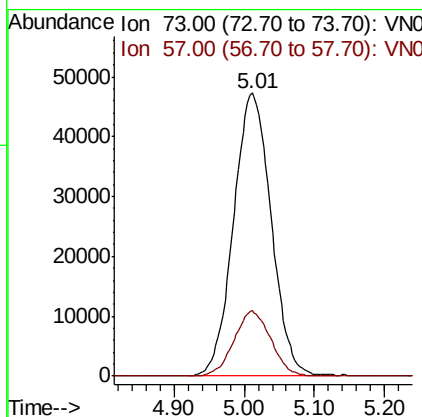
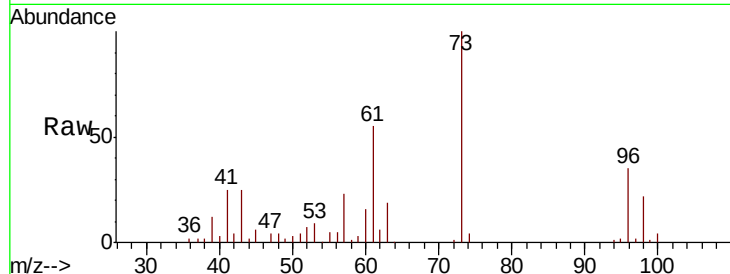
#19
Methyl tert-butyl Ether
Concen: 19.109 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 176147
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8

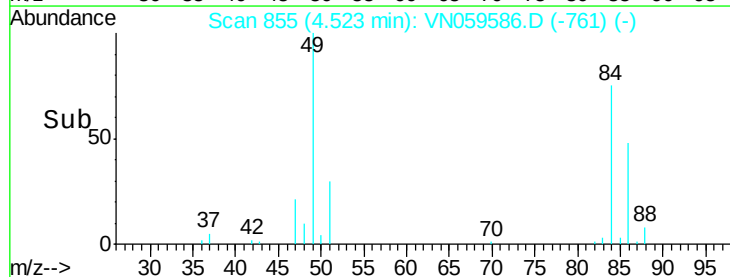
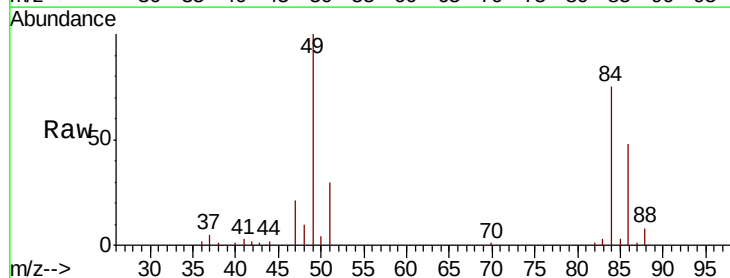
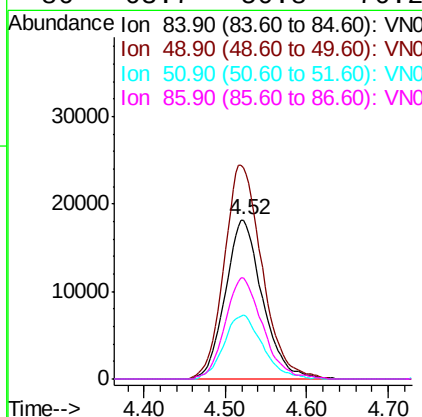
Manual Integrations
APPROVED

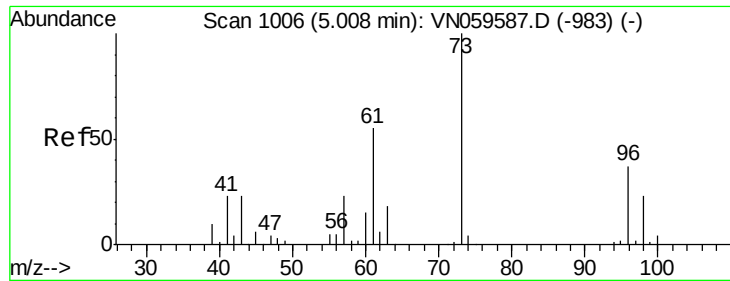
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#20
Methylene Chloride
Concen: 16.474 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 84 Resp: 57948
Ion Ratio Lower Upper
84 100
49 132.6 106.6 160.0
51 40.4 31.9 47.9
86 63.7 50.8 76.2





#21

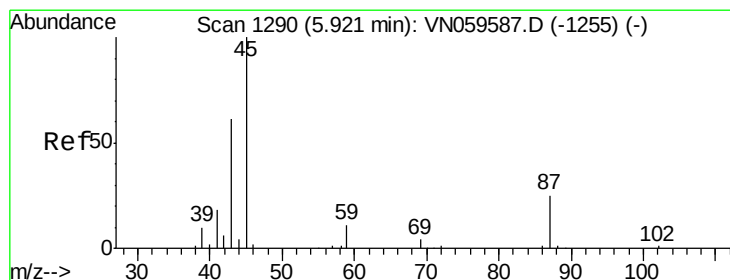
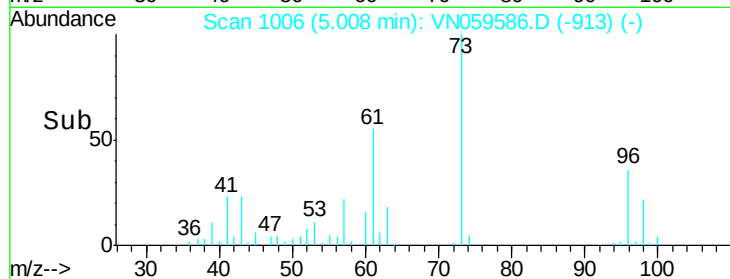
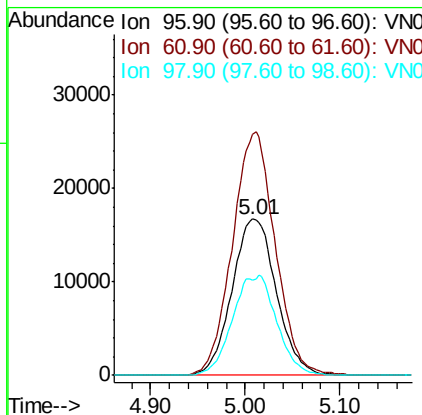
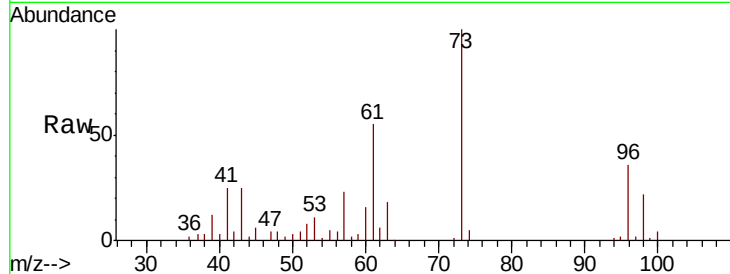
trans-1,2-Dichloroethene
Concen: 18.360 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	120.4	180.6
98	60.9	50.6	75.8

Manual Integrations
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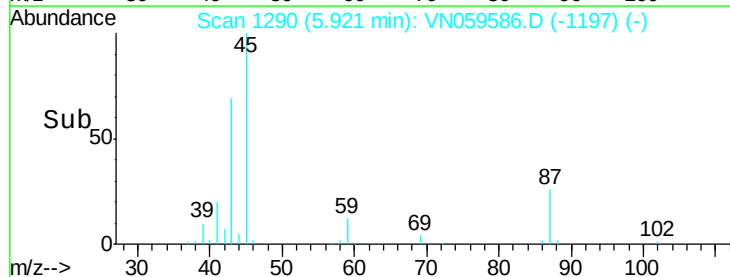
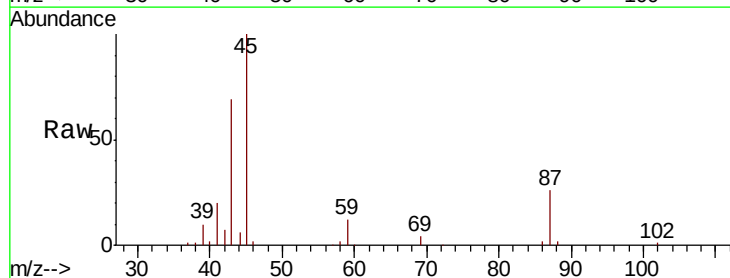
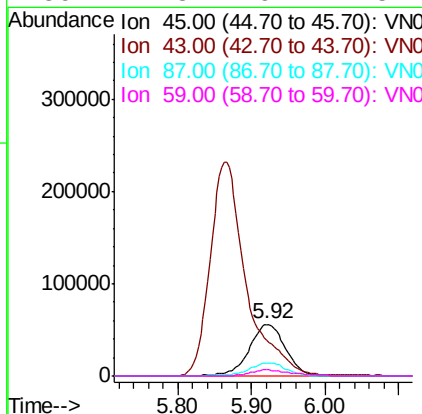
apatel
12/16/2019 12:48:51 PM

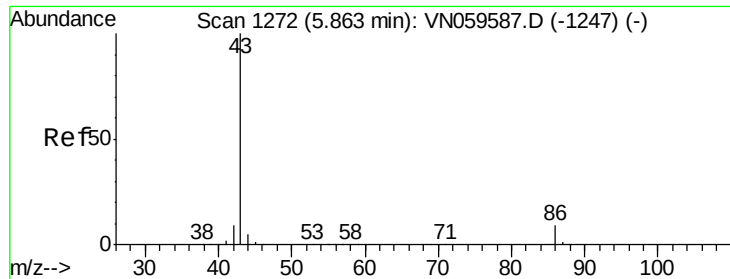


#22

Diisopropyl ether
Concen: 18.913 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	50.8	76.2
87	25.6	21.0	31.6
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 94.151 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 790140

Ion Ratio Lower Upper

43 100

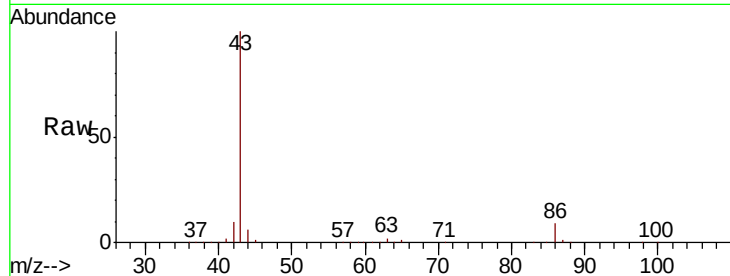
86 9.0 7.6 11.4

Manual Integrations

APPROVED

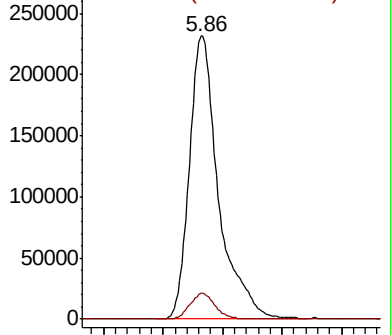
apatel

12/16/2019 12:48:51 PM

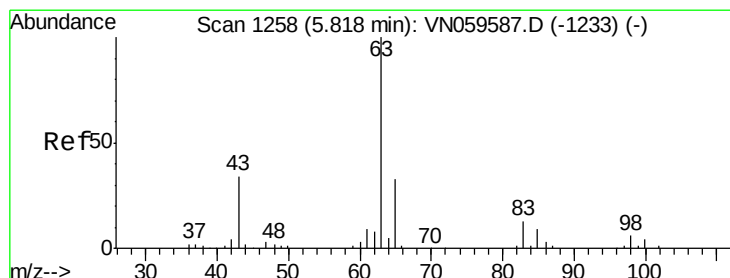
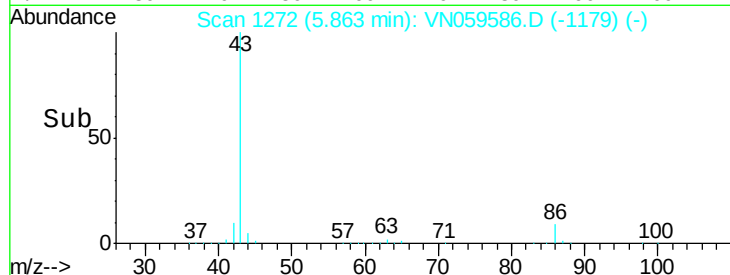


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 18.858 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

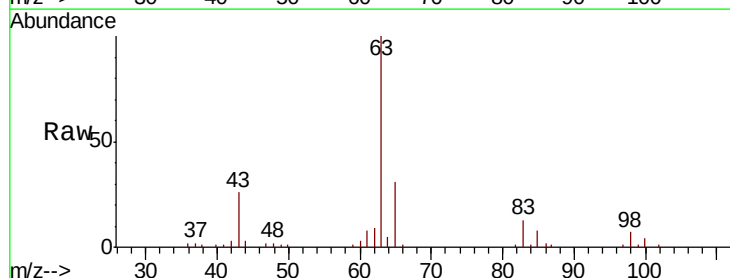
Tgt Ion: 63 Resp: 108611

Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.7

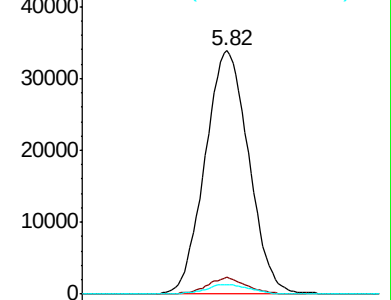
100 3.7 2.0 6.0



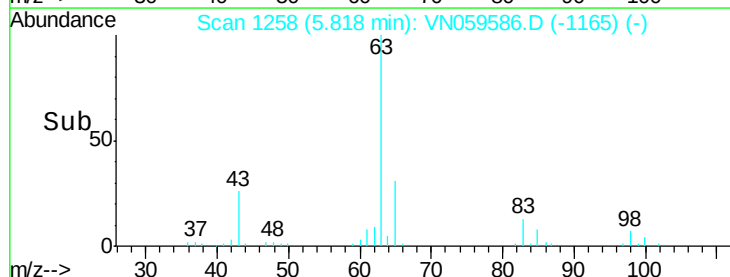
Abundance Ion 62.90 (62.60 to 63.60): VN0

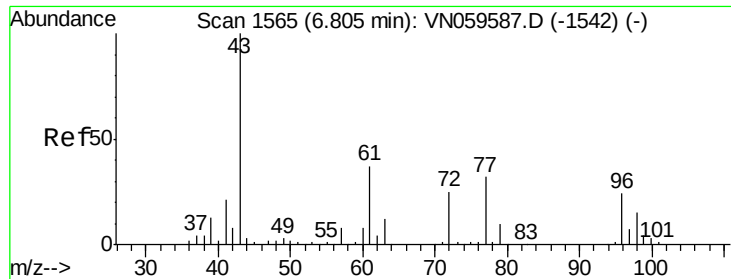
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 104.729 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 249474

Ion Ratio Lower Upper

43 100

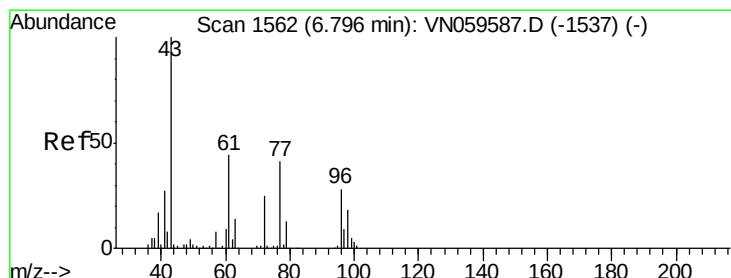
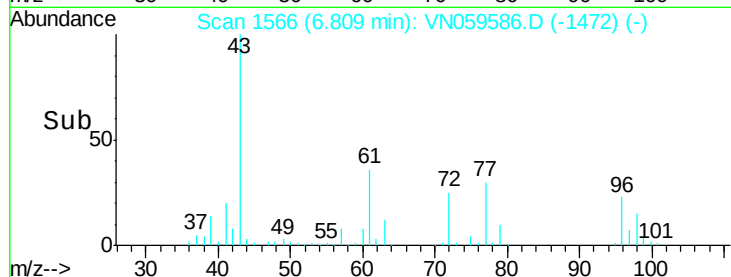
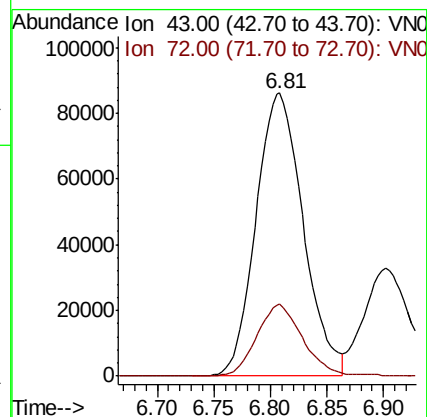
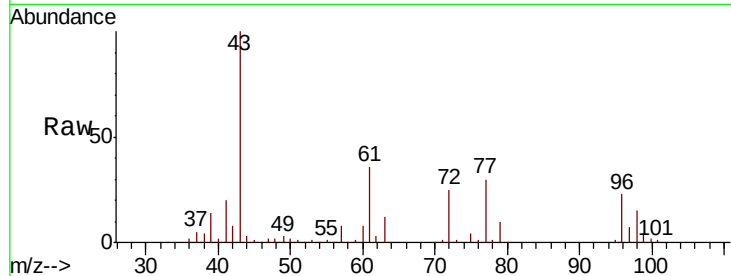
72 25.3 19.9 29.9

Manual Integrations

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apatel

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#26

2,2-Dichloropropane

Concen: 18.692 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059586.D

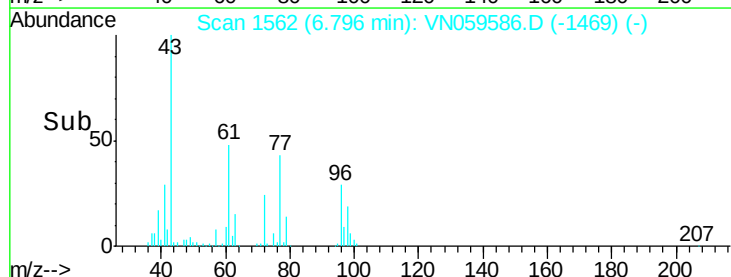
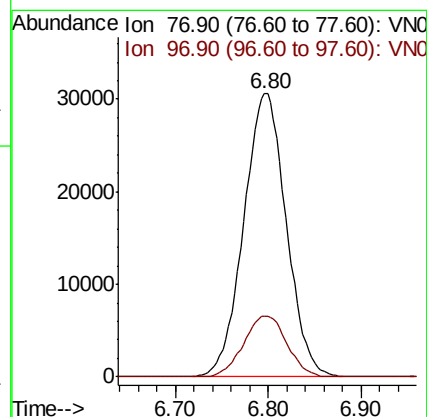
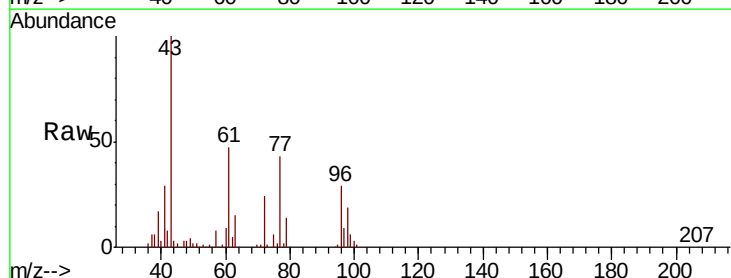
Acq: 13 Dec 2019 16:22

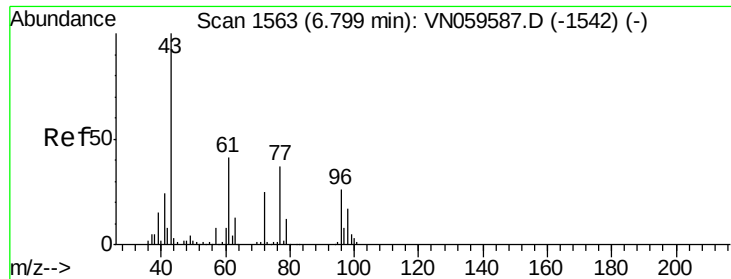
Tgt Ion: 77 Resp: 97326

Ion Ratio Lower Upper

77 100

97 21.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 18.590 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

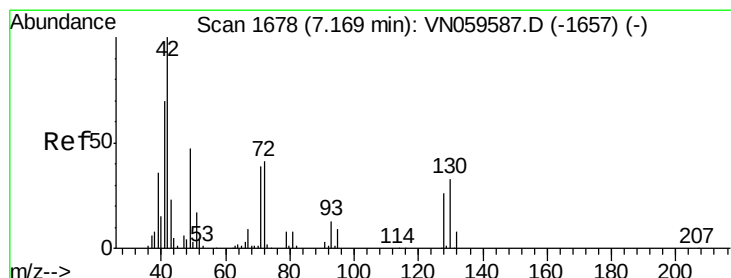
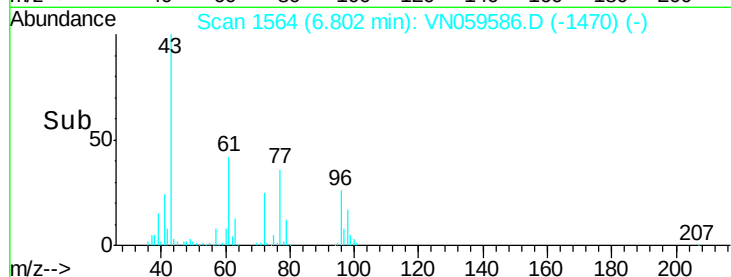
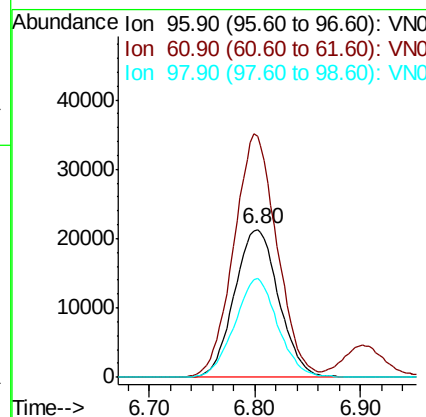
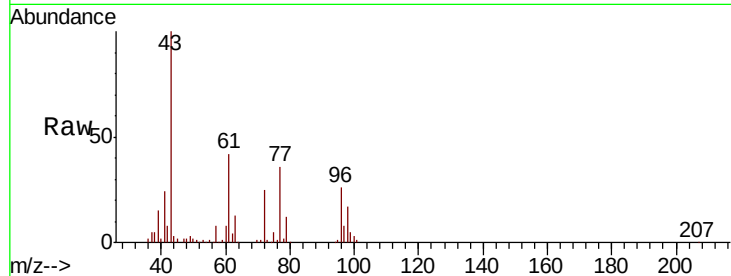
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	62177
Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	317.6
98	65.2	0.0	127.0

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#28

Bromochloromethane

Concen: 25.301 ug/l

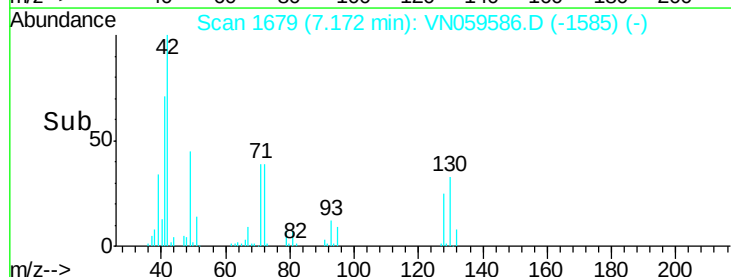
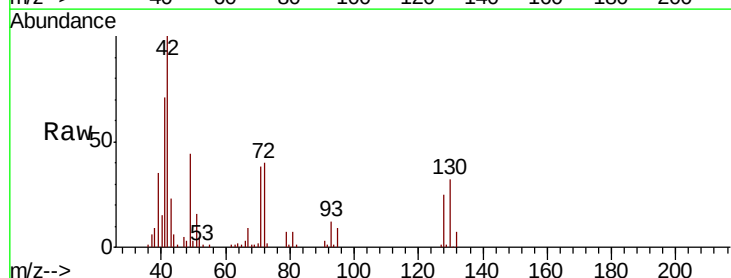
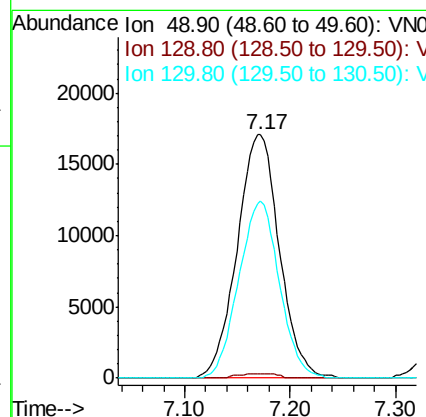
RT: 7.17 min Scan# 1679

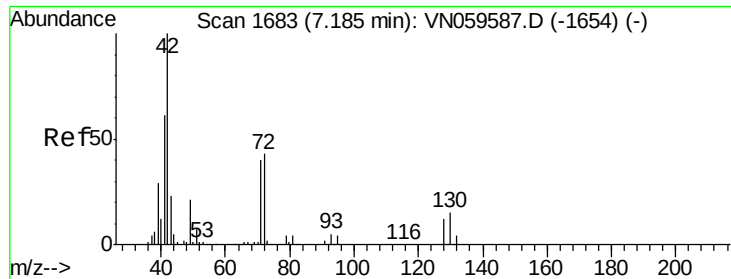
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	49	Resp:	47453
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.9	54.7	82.1





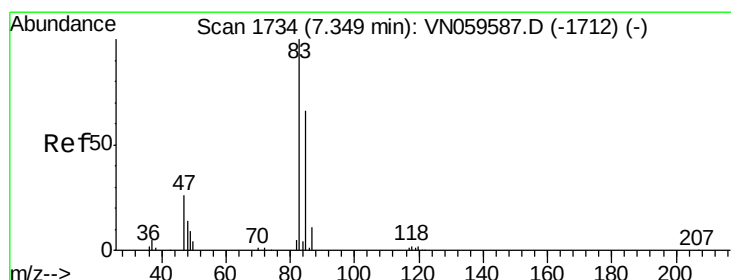
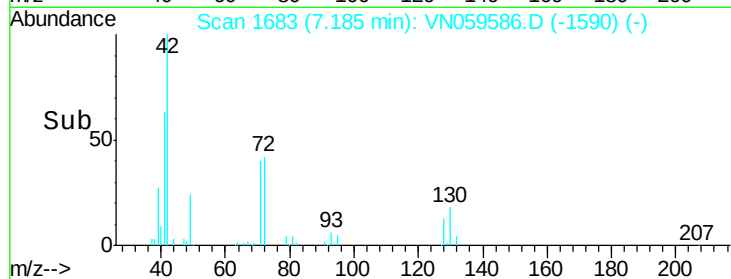
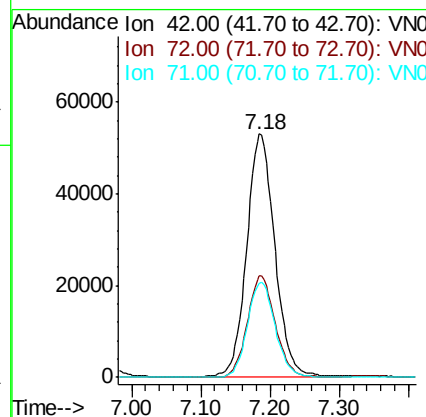
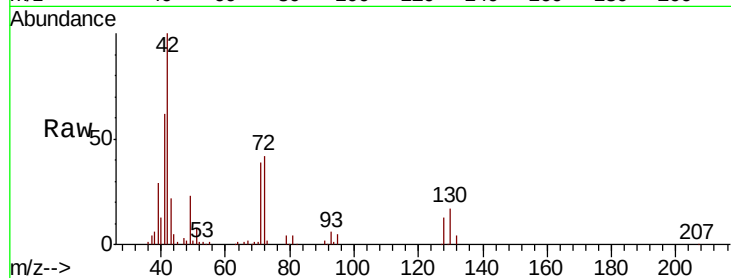
#29
Tetrahydrofuran
Concen: 92.641 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.4	31.4	47.0

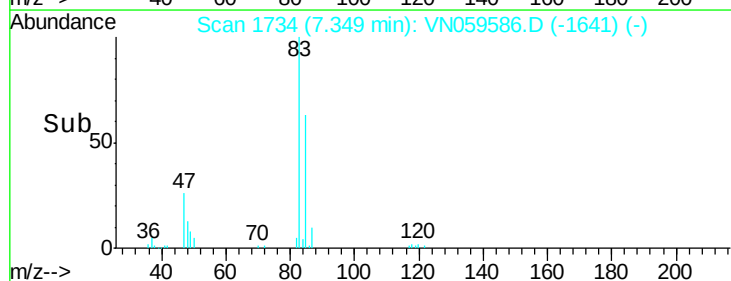
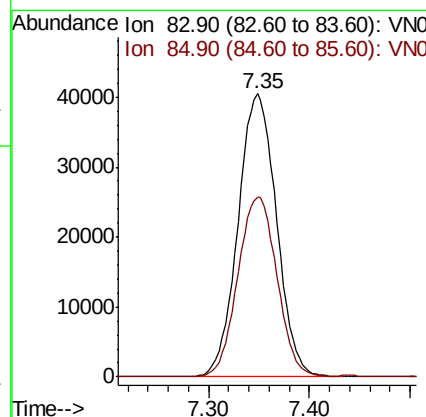
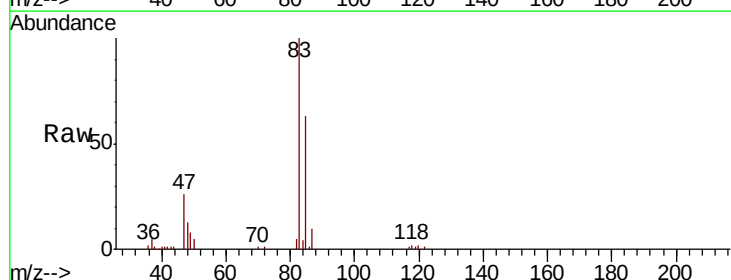
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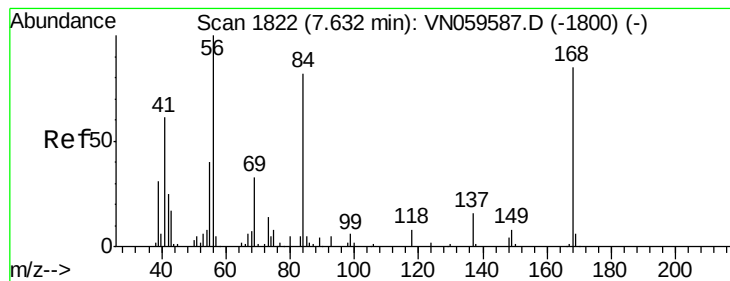
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#30
Chloroform
Concen: 18.860 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.4	78.6





#31

Cyclohexane

Concen: 17.539 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

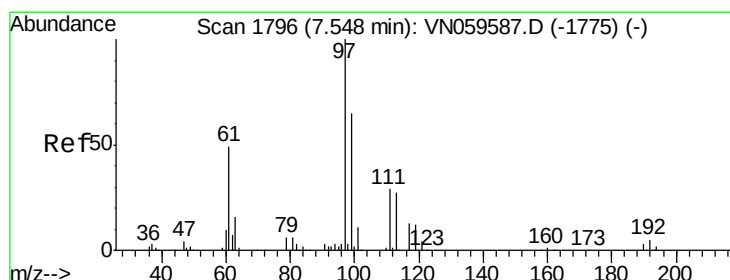
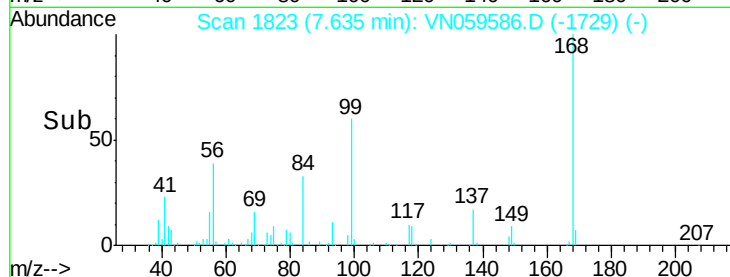
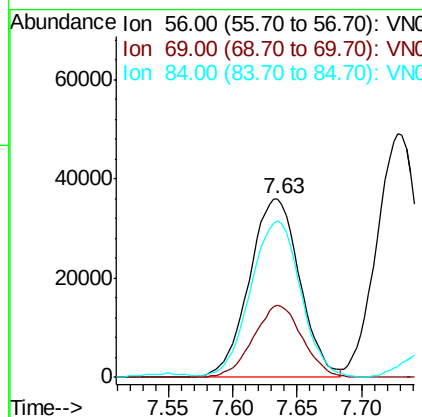
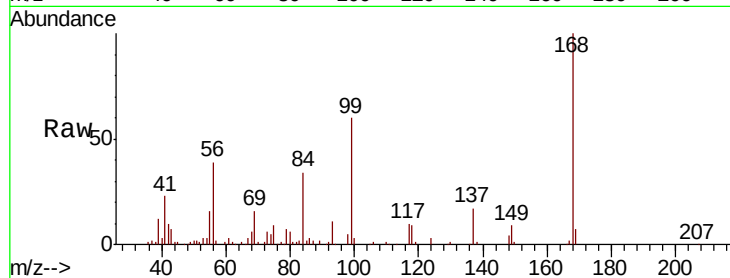
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	98193
Ion Ratio	Lower	Upper	
56	100		
69	40.1	26.5	39.7#
84	86.6	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 18.734 ug/l

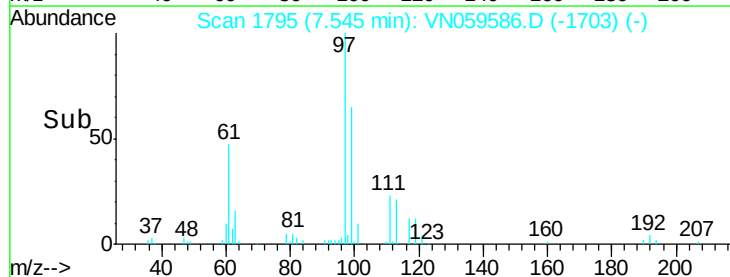
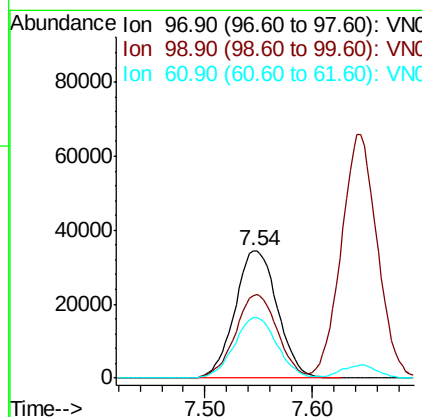
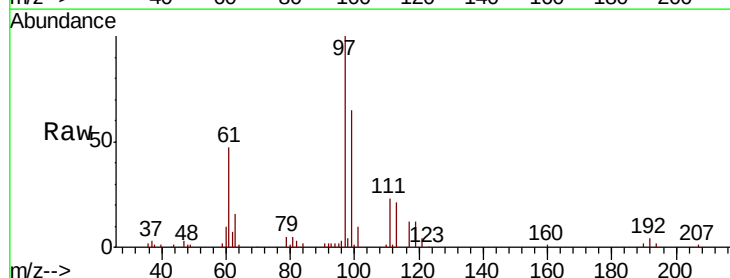
RT: 7.54 min Scan# 1795

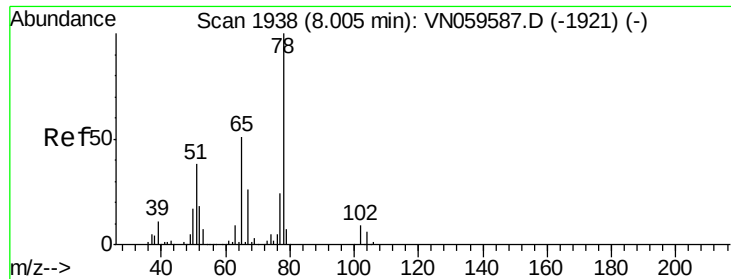
Delta R.T. -0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	97	Resp:	94440
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.4
61	48.0	38.5	57.7





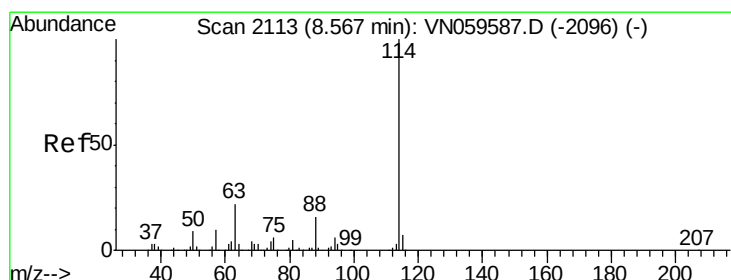
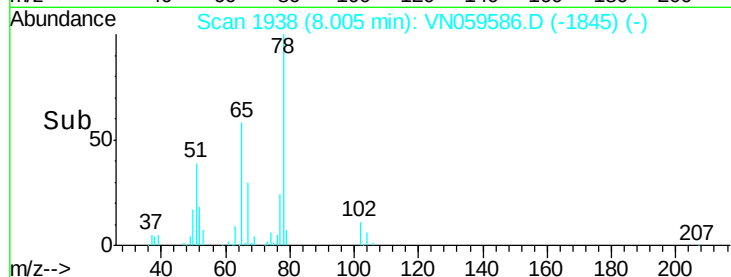
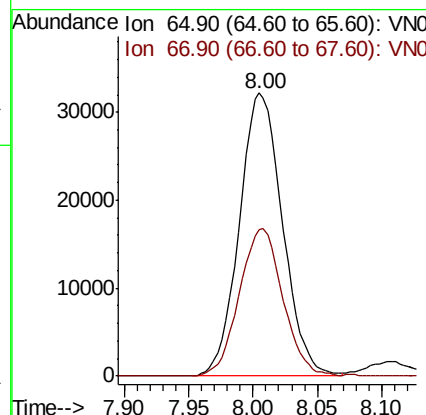
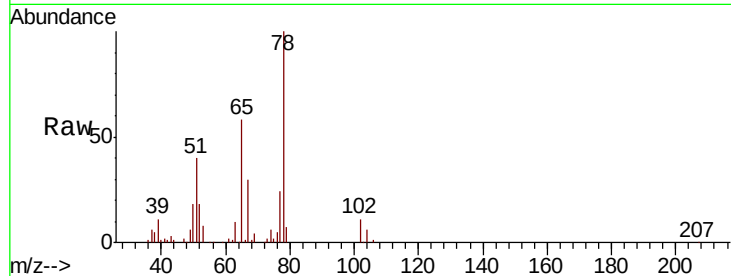
#33
 1,2-Dichloroethane-d4
 Concen: 20.061 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.0

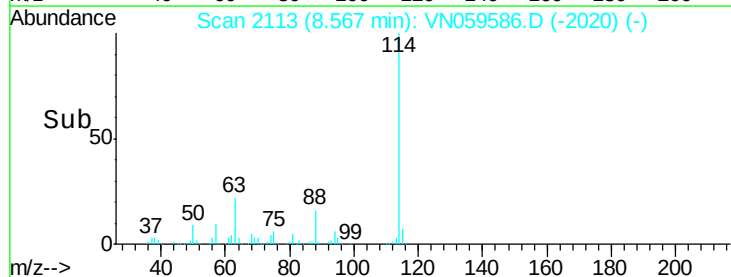
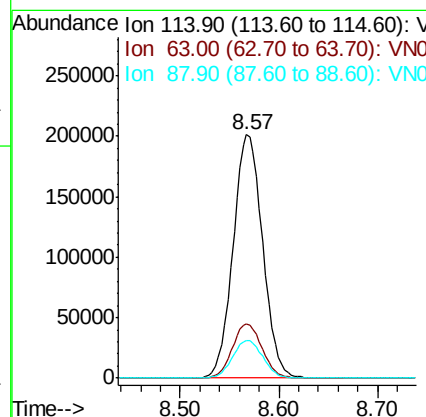
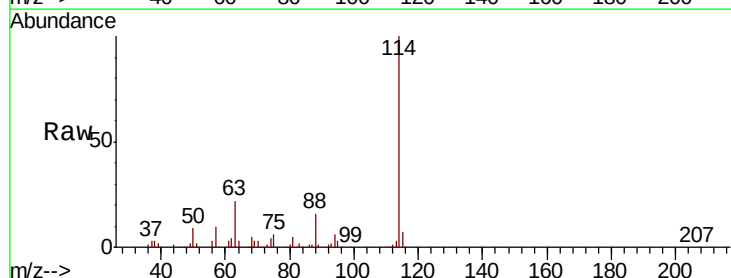
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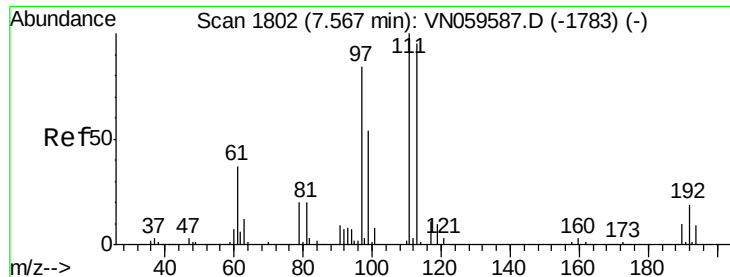
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.6
88	15.5	0.0	31.4





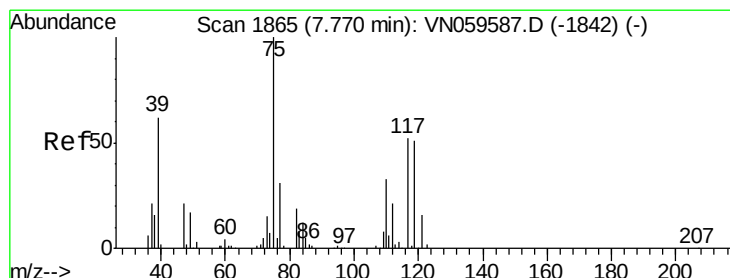
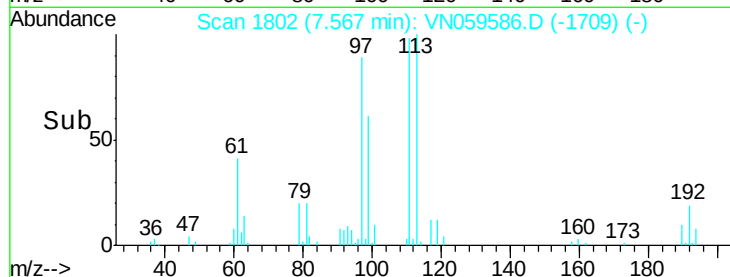
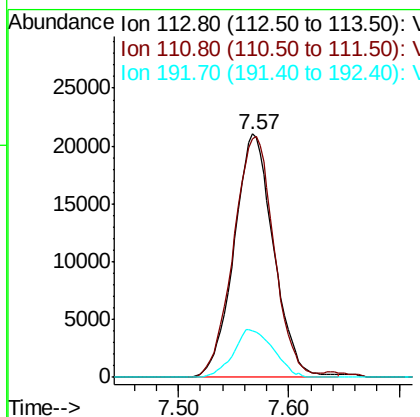
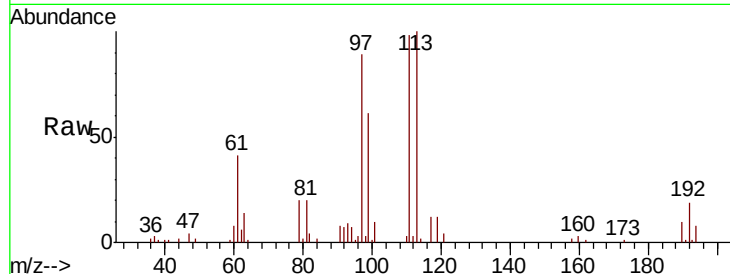
#35
 Dibromofluoromethane
 Concen: 20.502 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.5	125.3
192	19.8	15.4	23.2

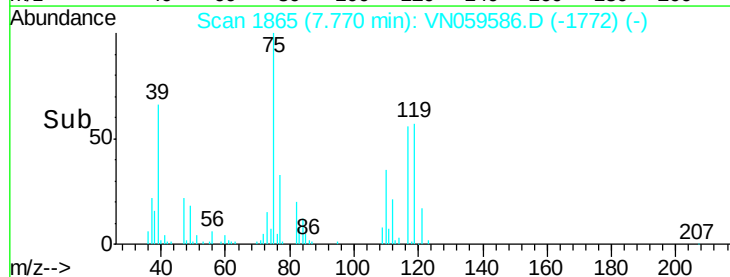
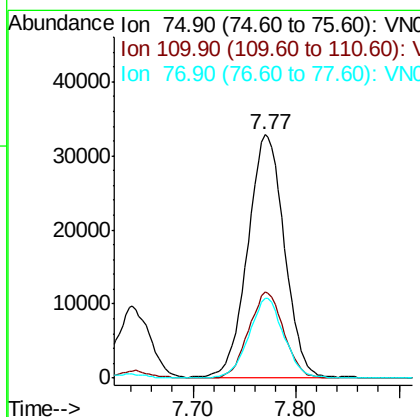
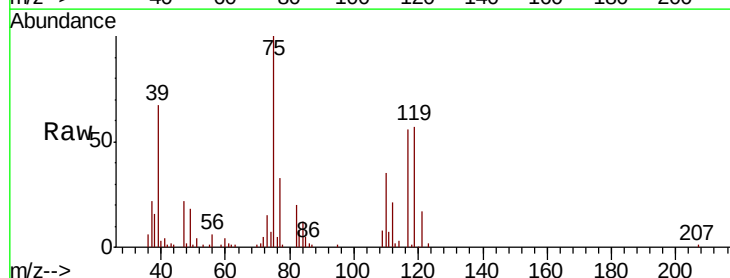
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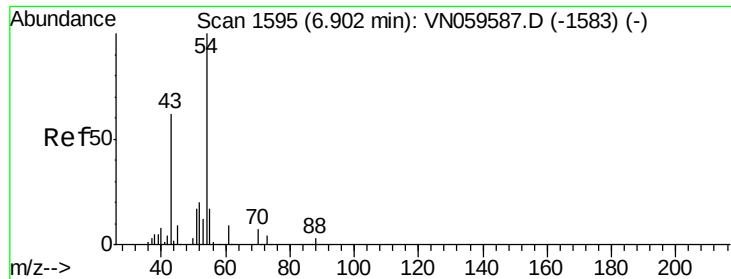
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#36
 1,1-Dichloropropene
 Concen: 18.550 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.6	49.7
77	31.2	25.1	37.7





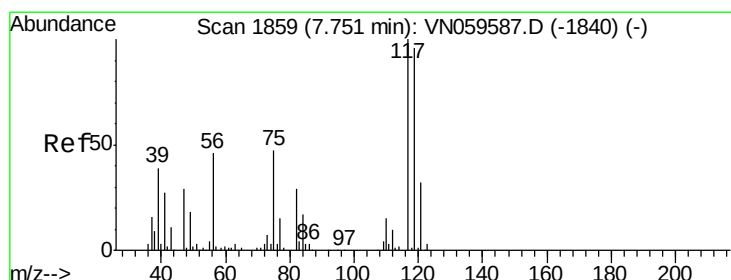
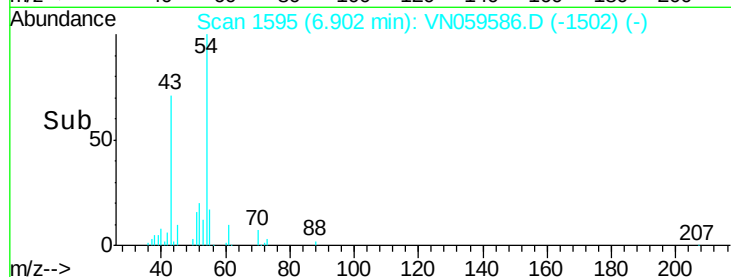
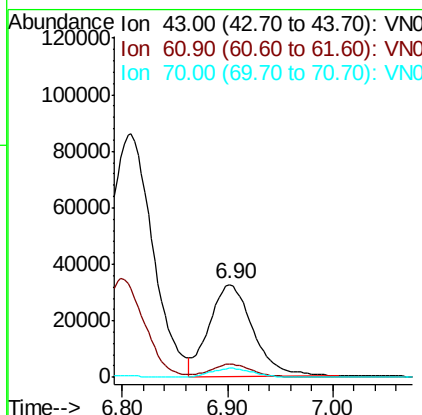
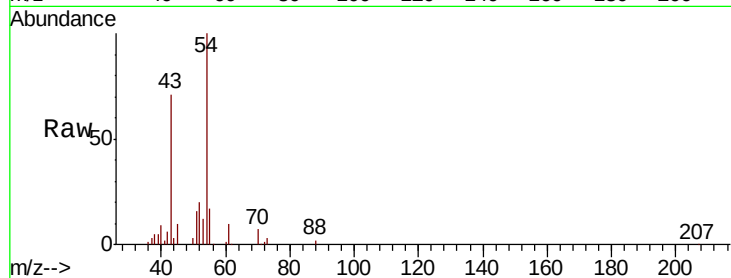
#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	9.5	7.7	11.5

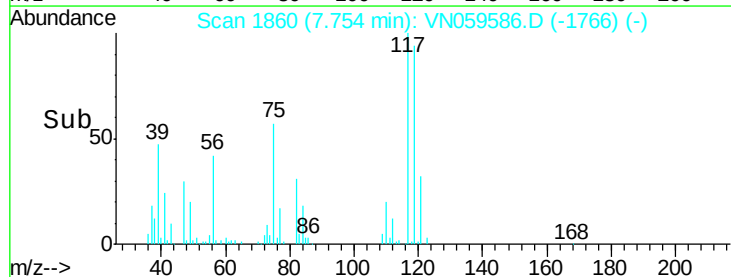
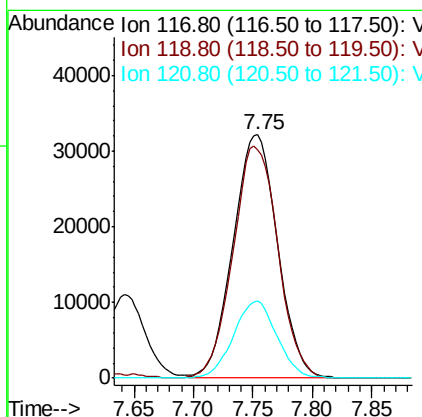
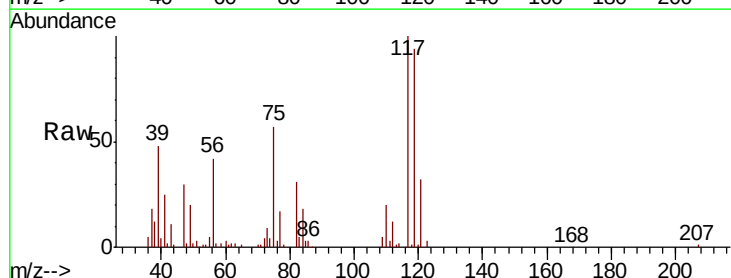
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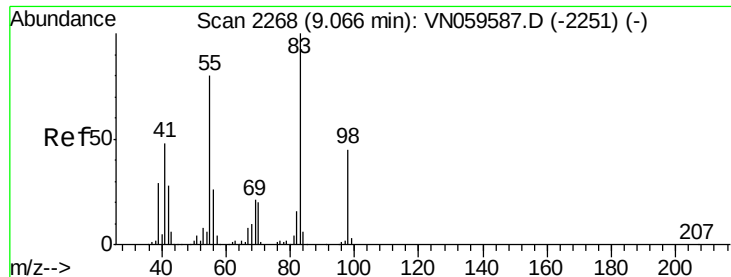
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#38
Carbon Tetrachloride
Concen: 19.239 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.5	114.7
121	31.7	25.1	37.7





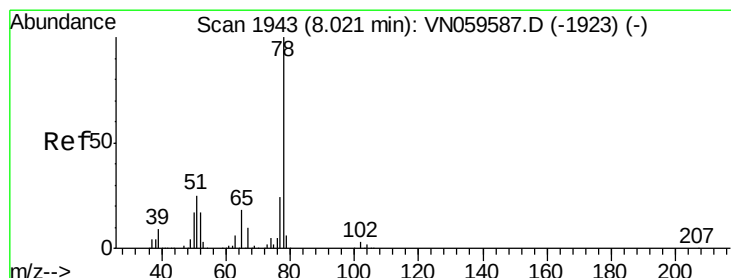
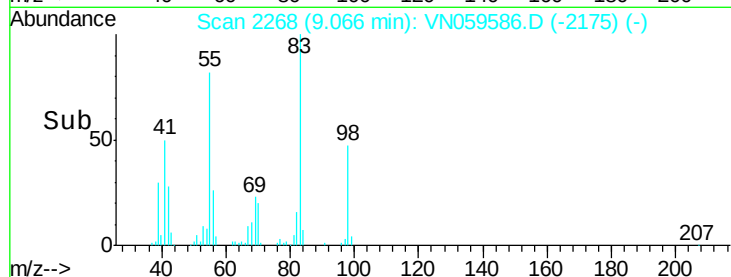
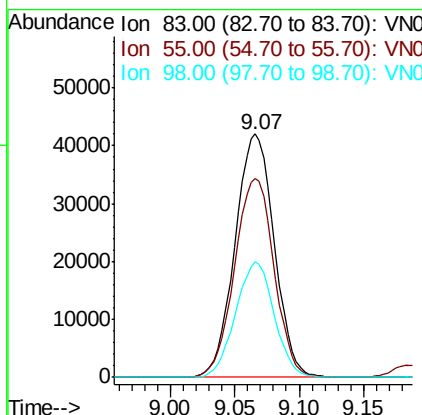
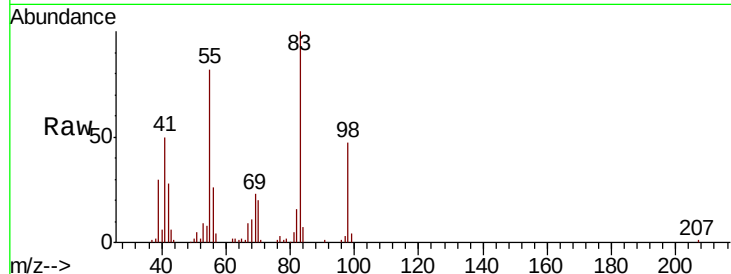
#39
Methylvlcyclohexane
Concen: 18.079 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	64.2	96.2
98	47.3	35.9	53.9

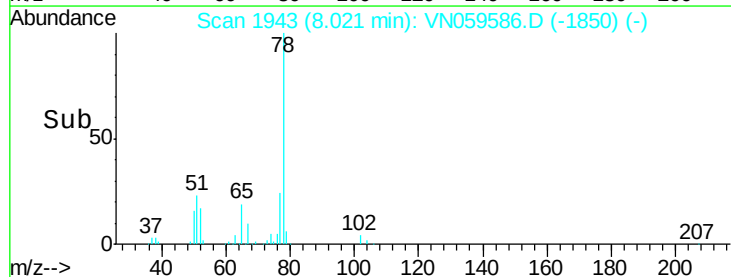
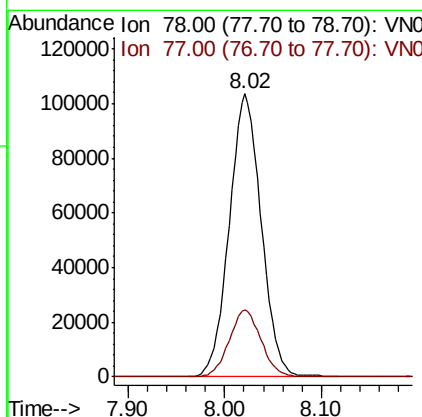
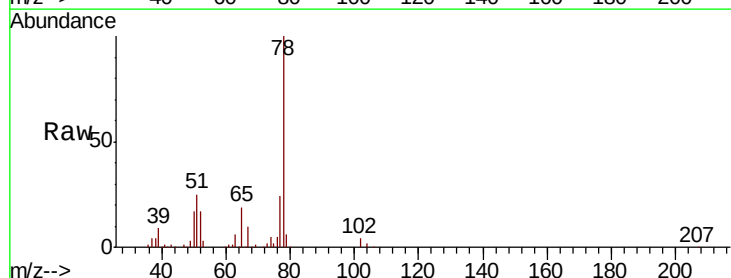
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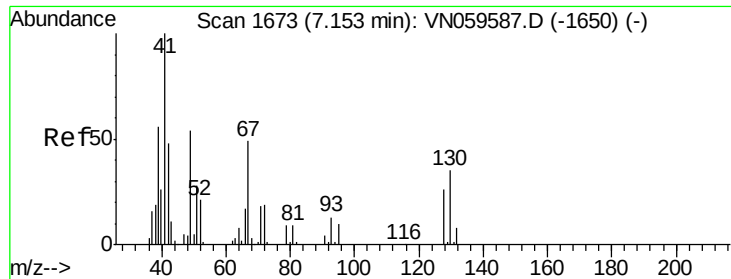
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#40
Benzene
Concen: 18.908 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





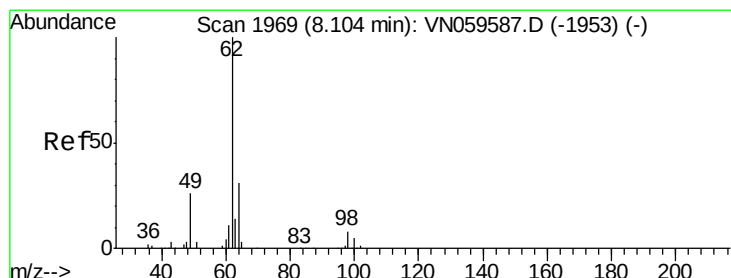
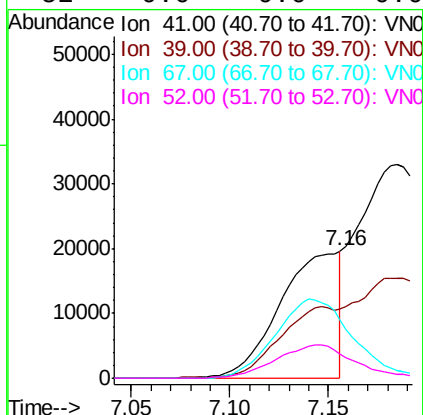
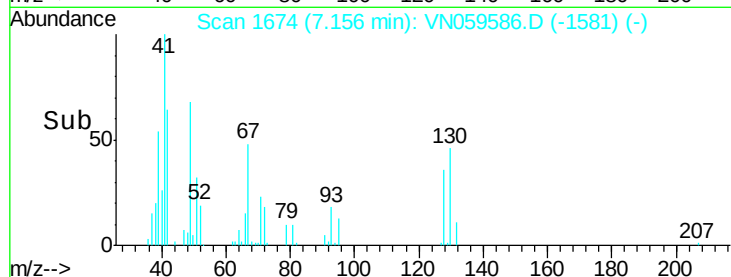
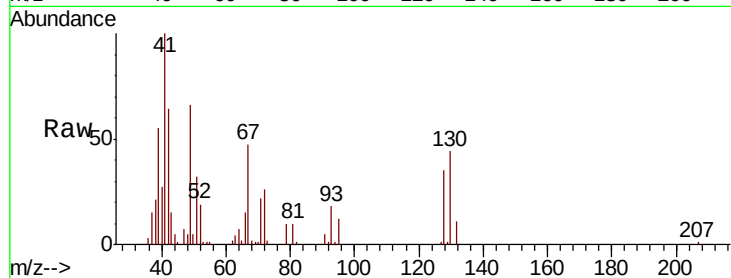
#41
Methacrylonitrile
Concen: 19.487 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	0.0	0.0	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

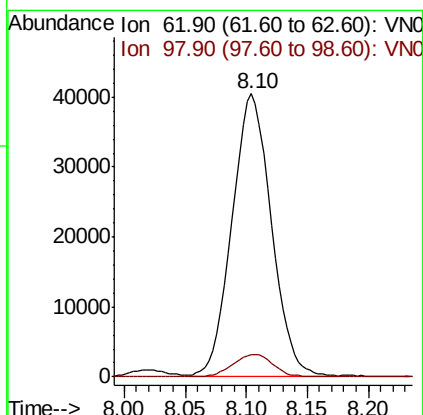
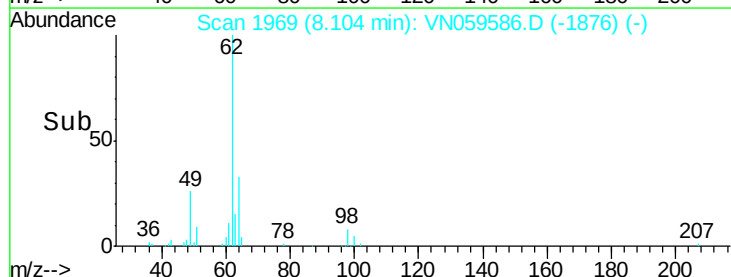
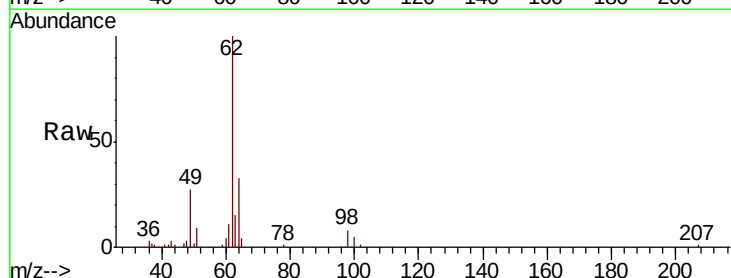
Manual Integrations
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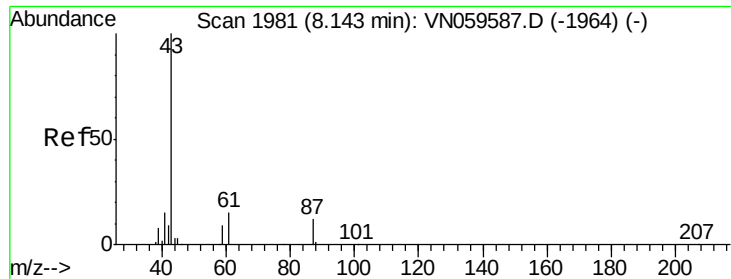
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#42
1,2-Dichloroethane
Concen: 19.243 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	15.8	





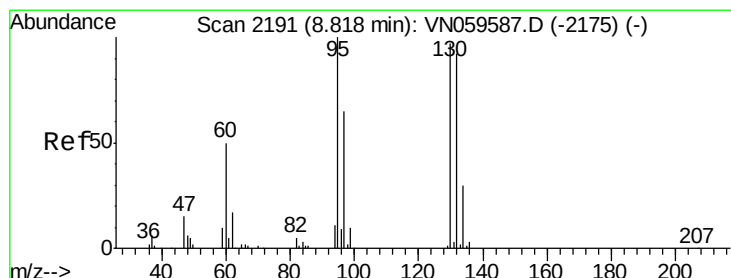
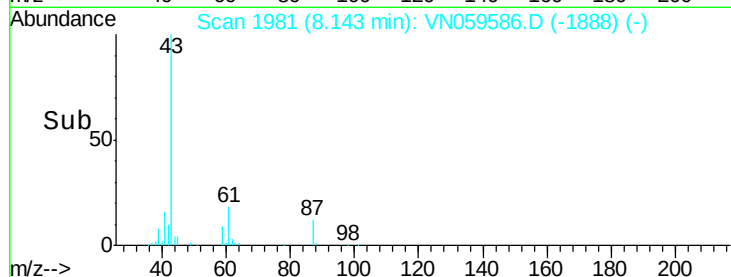
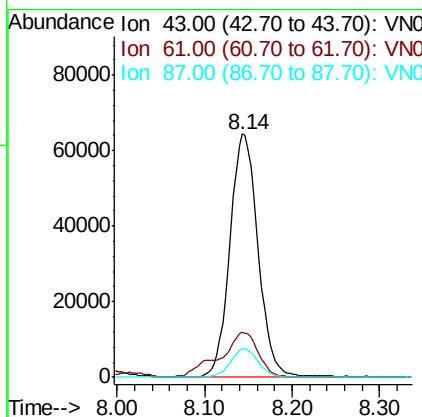
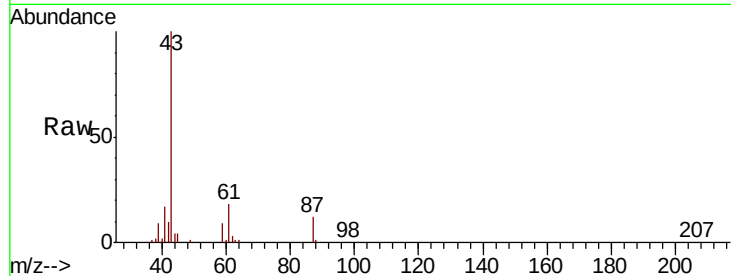
#43
Isopropyl Acetate
Concen: 18.982 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.2	30.2
87	11.5	9.5	14.3

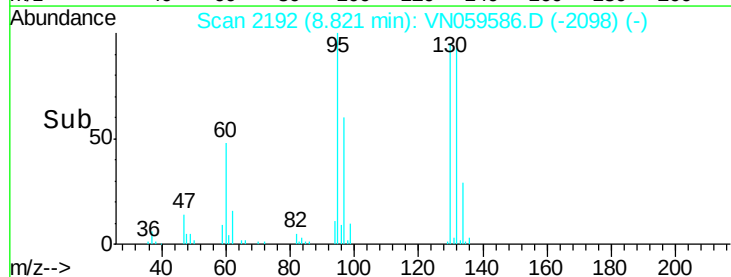
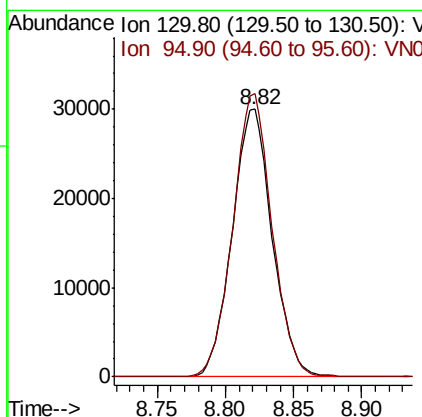
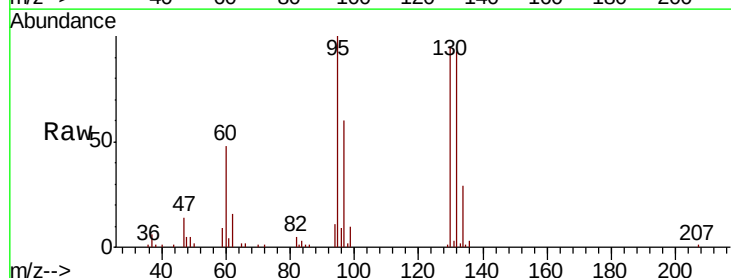
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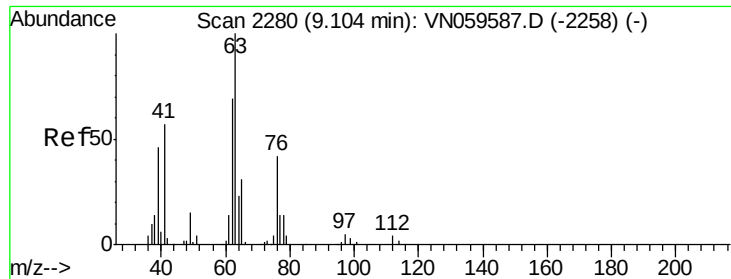
apatel
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#44
Trichloroethene
Concen: 19.183 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	207.0





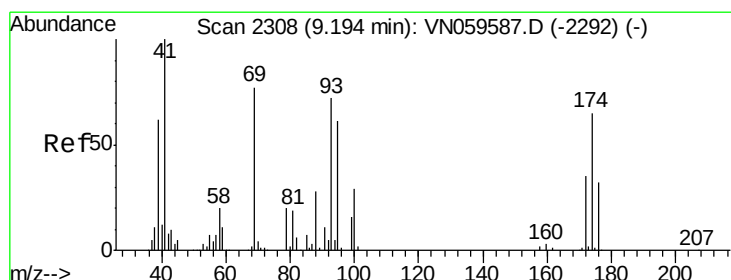
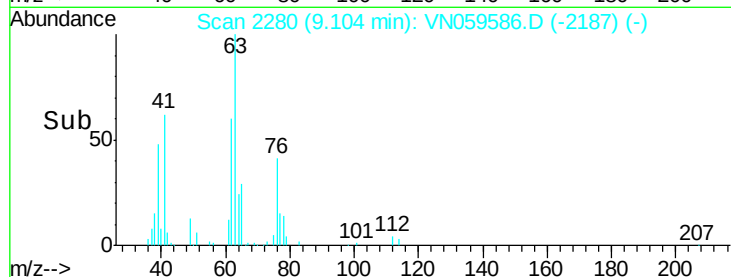
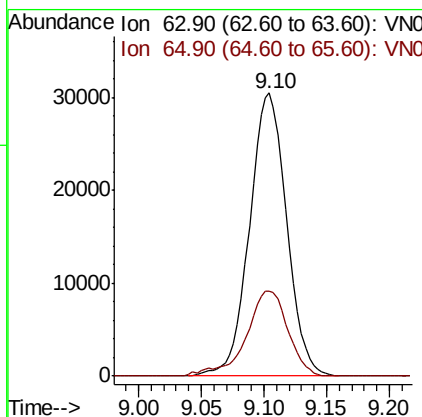
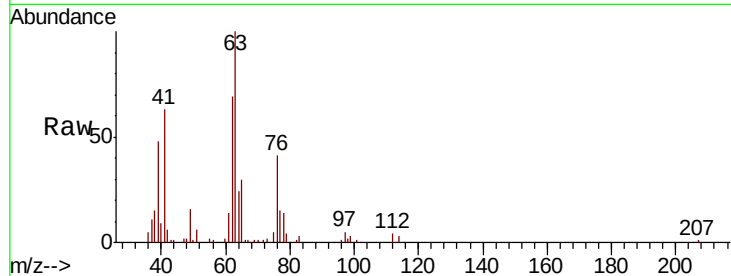
#45
 1,2-Dichloropropane
 Concen: 18.901 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.9	37.3

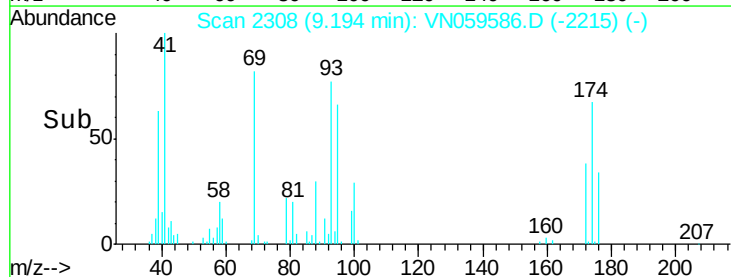
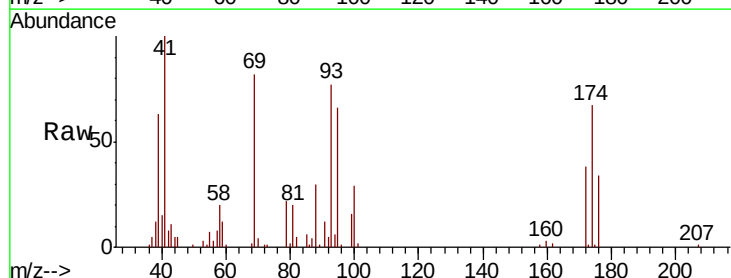
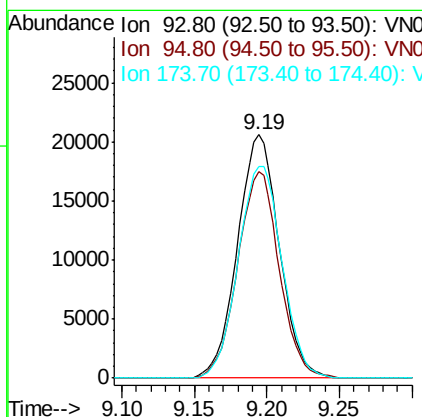
Manual Integrations
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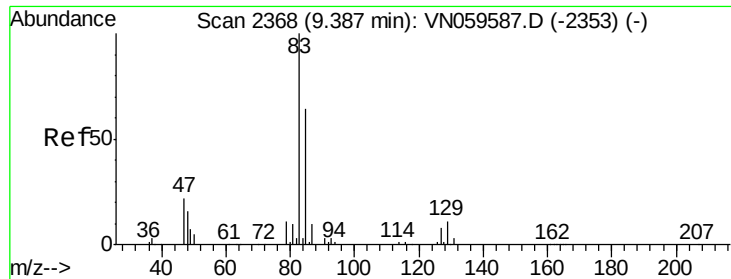
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#46
 Dibromomethane
 Concen: 18.791 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.0	100.6
174	90.8	73.4	110.2





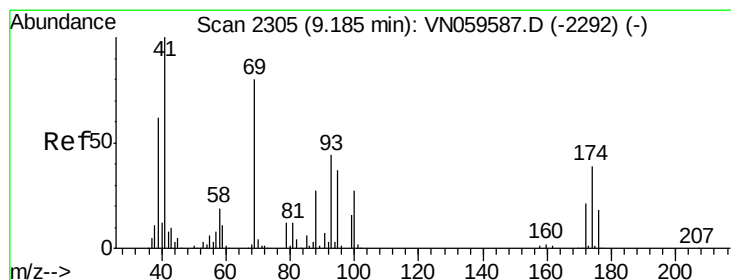
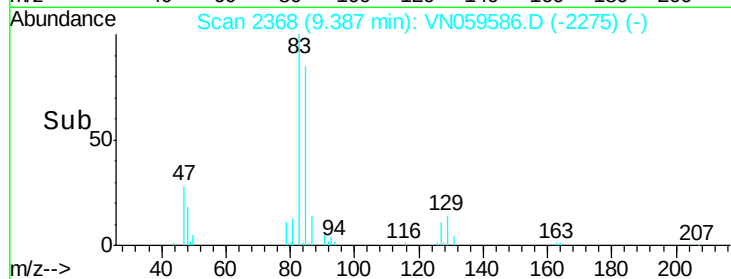
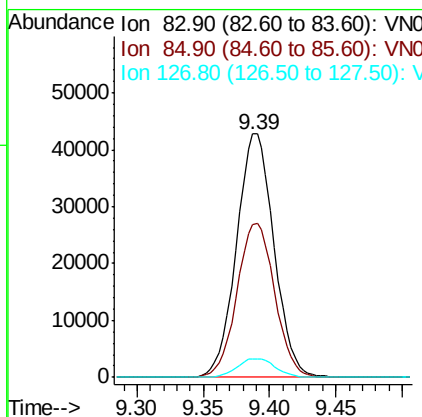
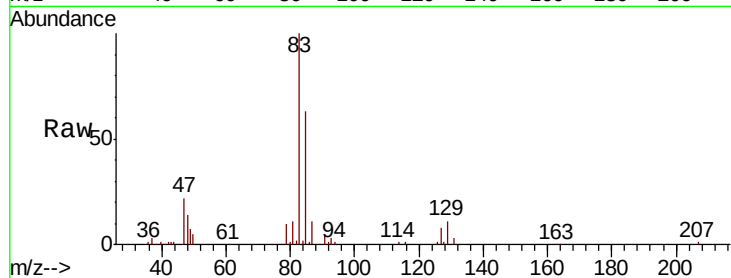
#47
Bromodichloromethane
Concen: 19.245 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	7.8	6.6	9.8

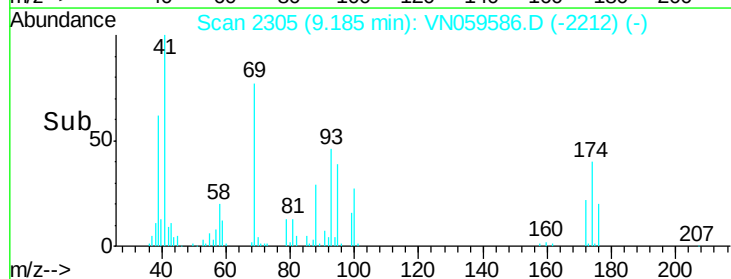
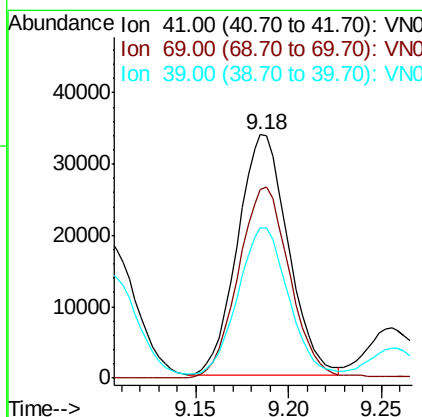
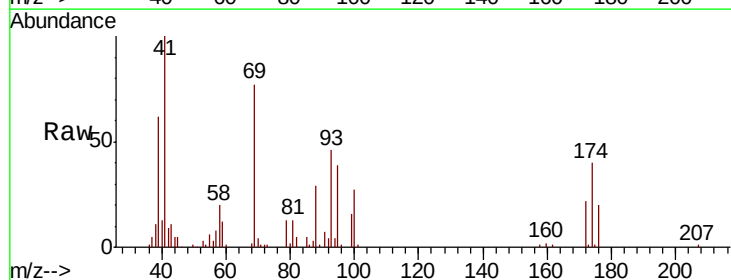
Manual Integrations
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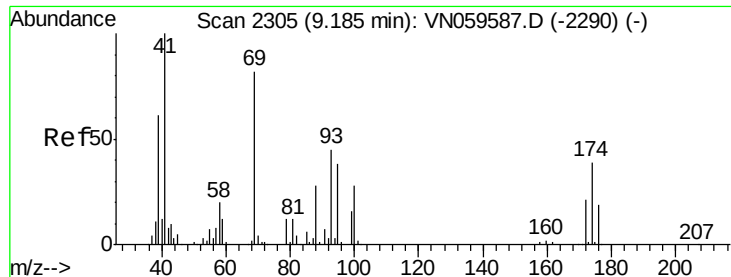
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#48
Methyl methacrylate
Concen: 19.186 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.6	64.4	96.6
39	63.0	51.3	76.9





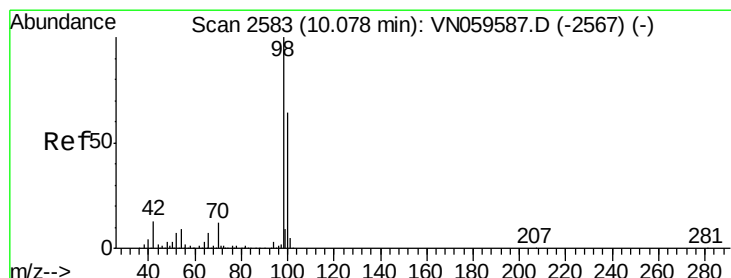
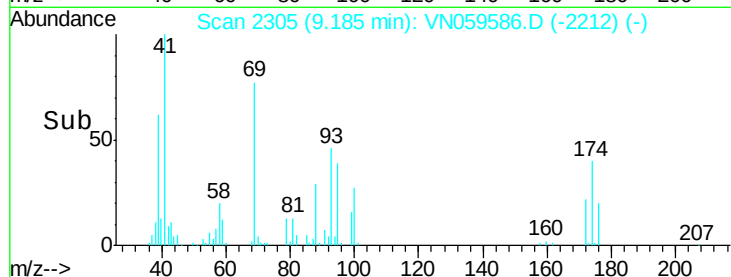
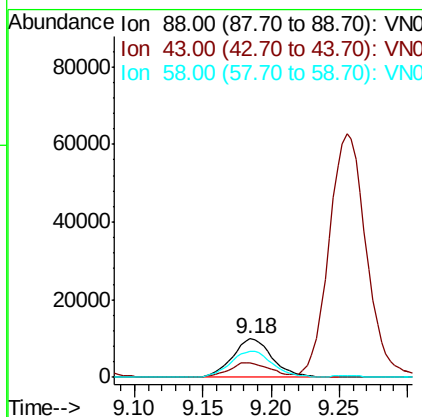
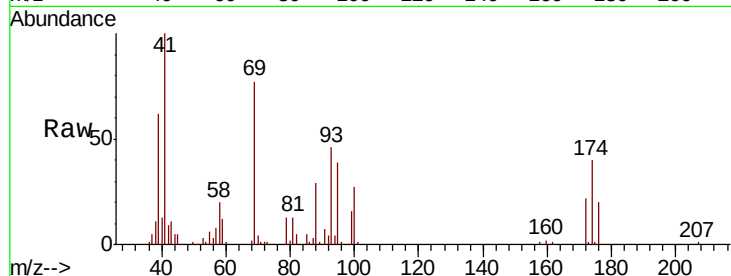
#49
1,4-Dioxane
Concen: 452.124 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	29.7	44.5
58	71.5	56.6	85.0

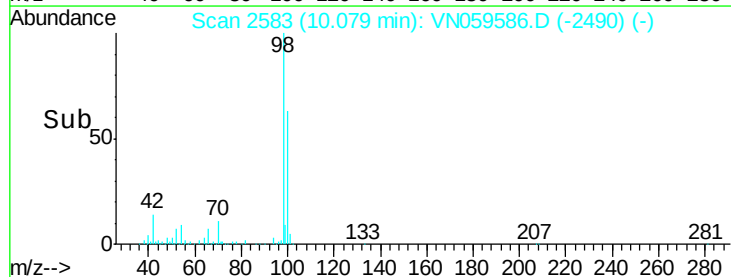
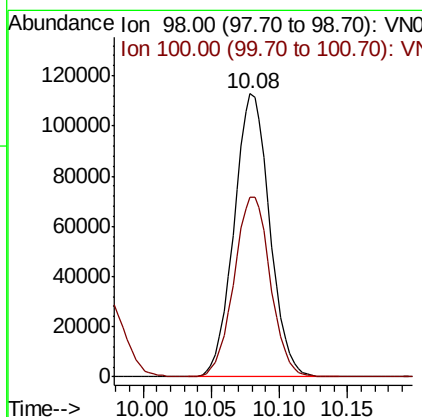
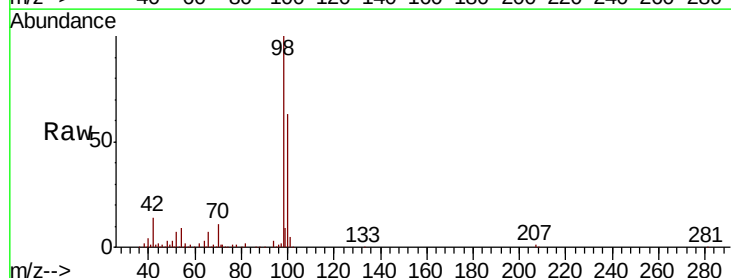
Manual Integrations
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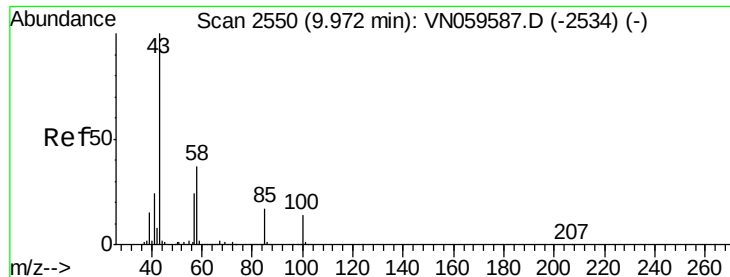
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12/16/2019 12:48:51 PM



#50
Toluene-d8
Concen: 19.485 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.674 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 453306

Ion Ratio Lower Upper

43 100

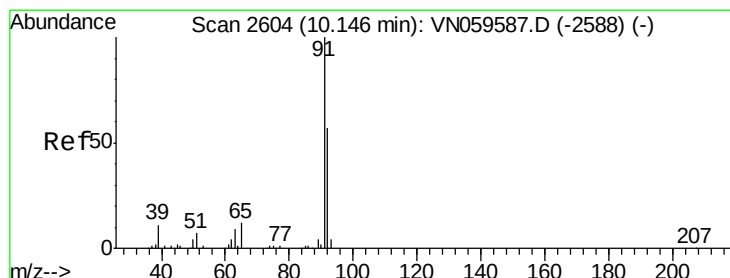
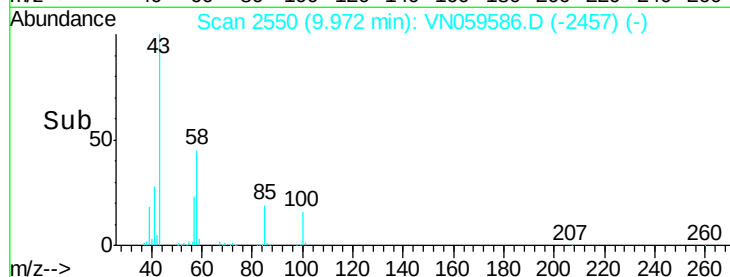
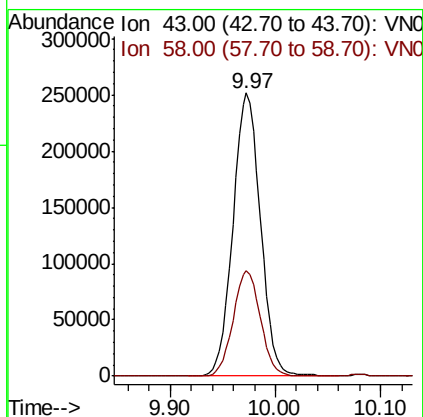
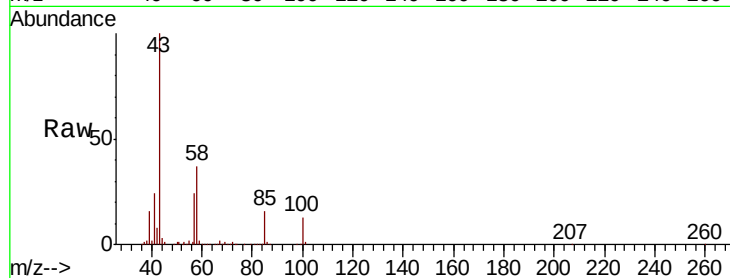
58 37.0 29.8 44.8

Manual Integrations

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12/16/2019 12:48:51 PM



#52

Toluene

Concen: 18.965 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059586.D

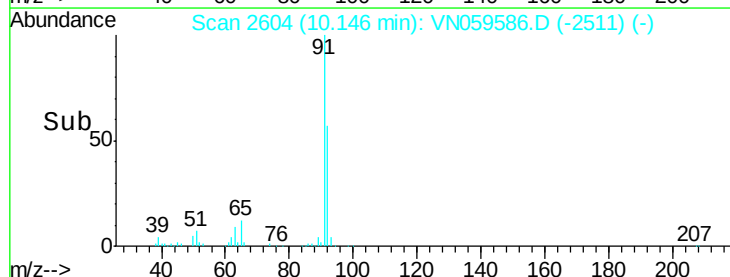
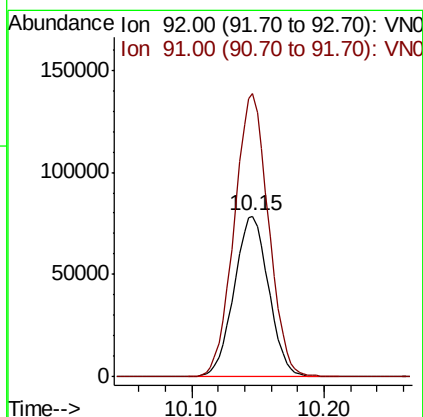
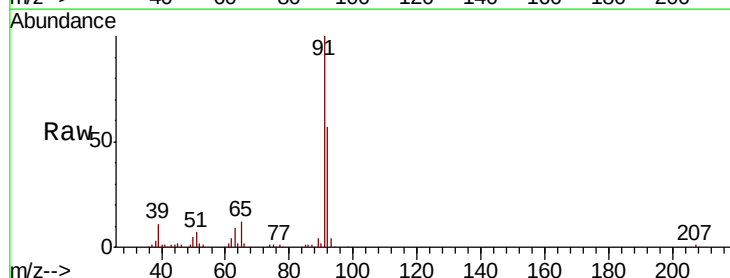
Acq: 13 Dec 2019 16:22

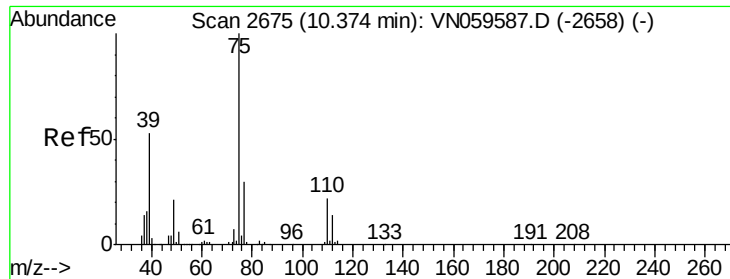
Tgt Ion: 92 Resp: 141991

Ion Ratio Lower Upper

92 100

91 175.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 18.615 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 94826

Ion Ratio Lower Upper

75 100

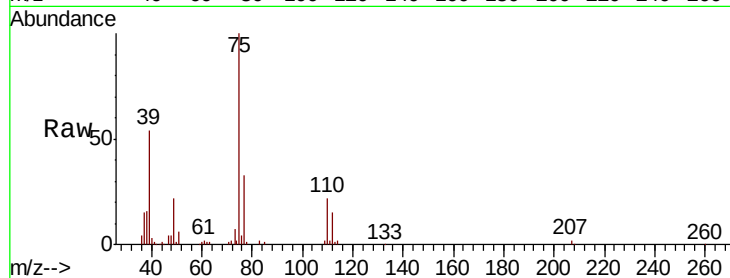
77 32.1 25.4 38.2

Manual Integrations

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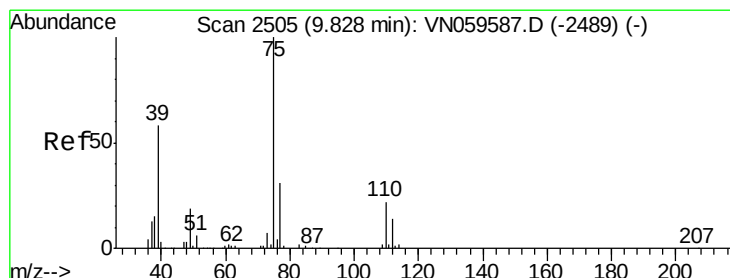
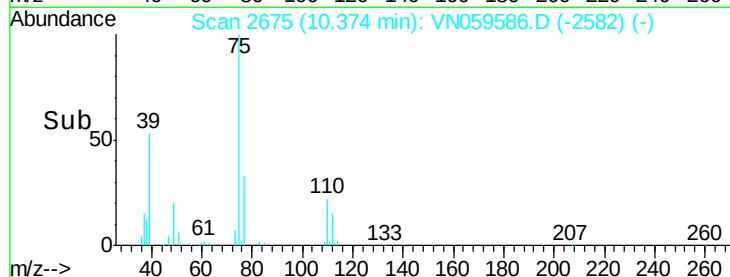
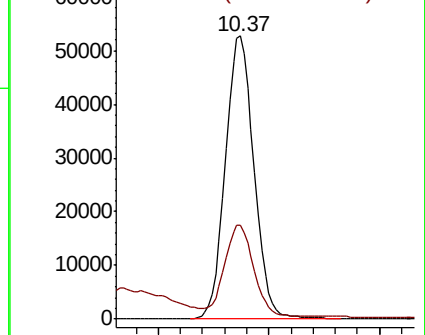
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.298 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

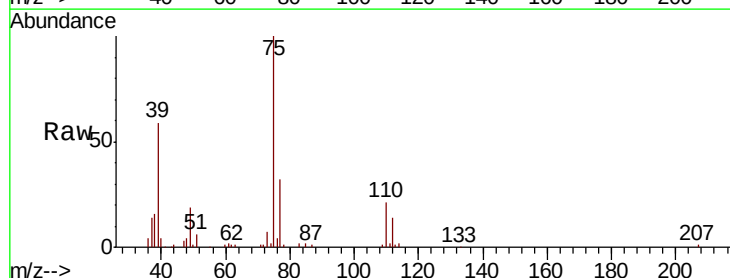
Tgt Ion: 75 Resp: 100760

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

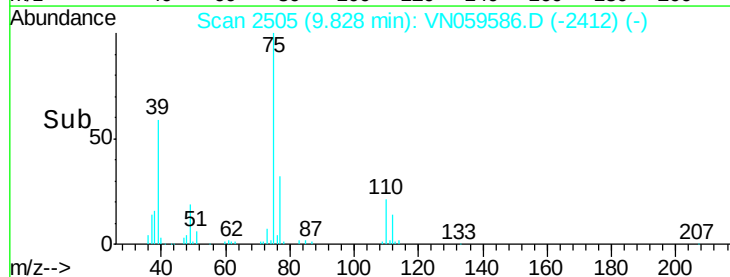
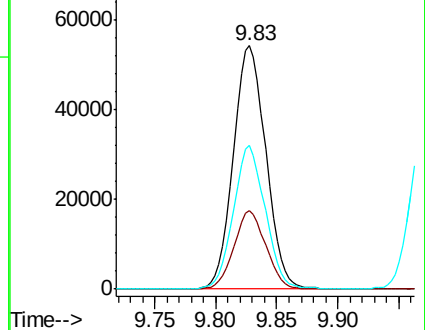
39 58.9 46.1 69.1

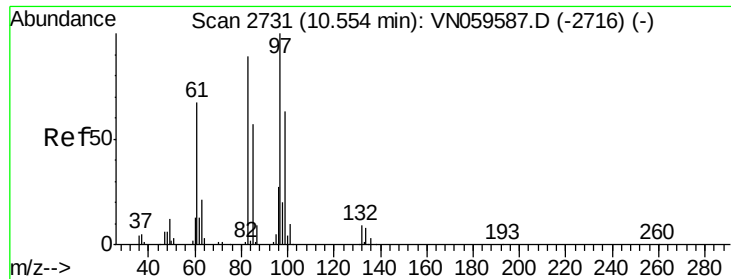


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





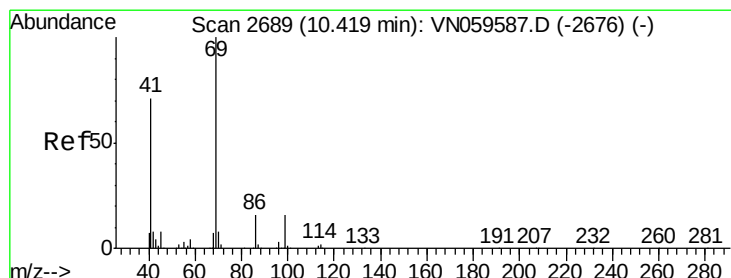
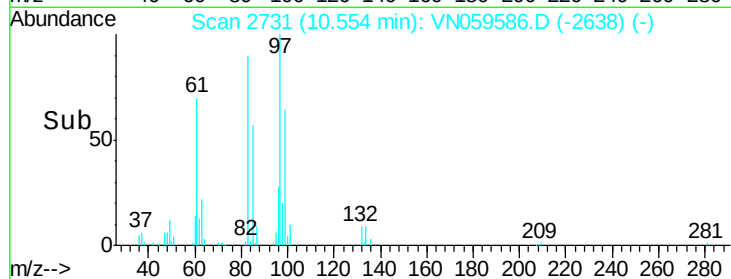
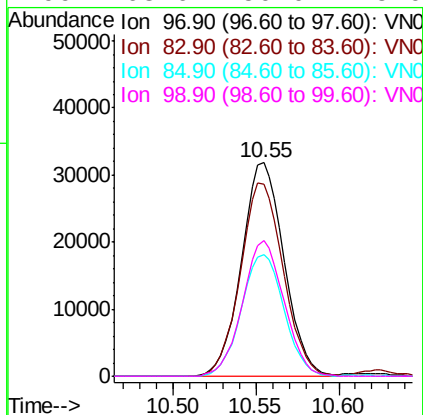
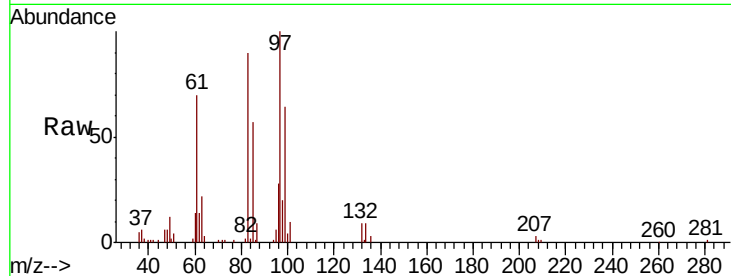
#55
 1,1,2-Trichloroethane
 Concen: 18.812 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	56976
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.3	106.9
85	56.9	45.8	68.8
99	63.6	50.0	75.0

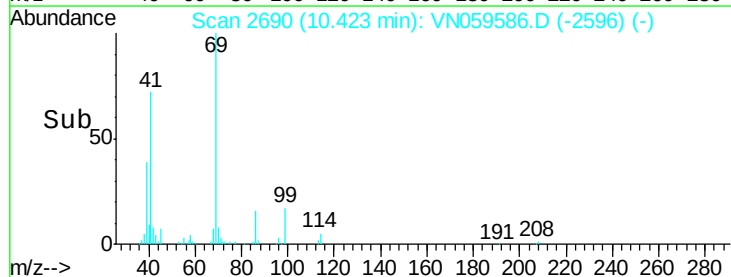
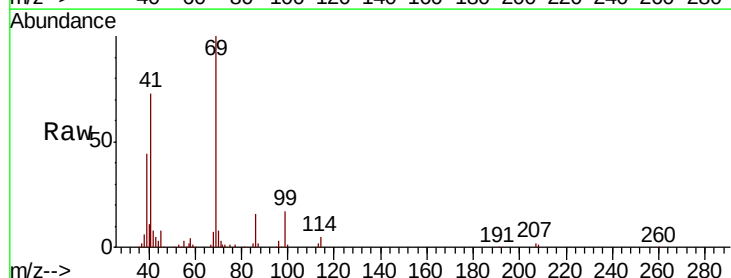
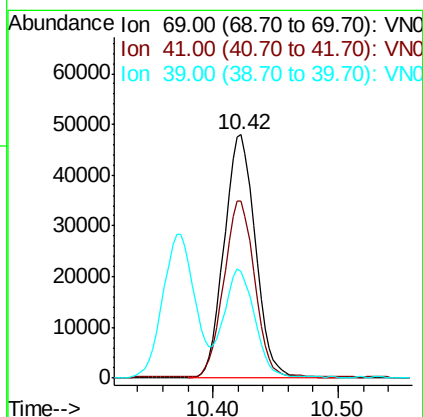
Manual Integrations
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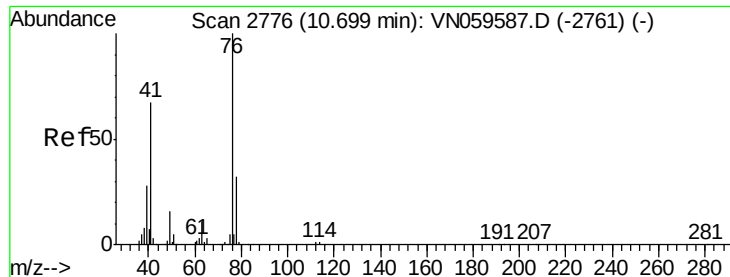
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#56
 Ethyl methacrylate
 Concen: 18.576 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion:	69	Resp:	83147
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.1	85.7
39	42.8	34.7	52.1





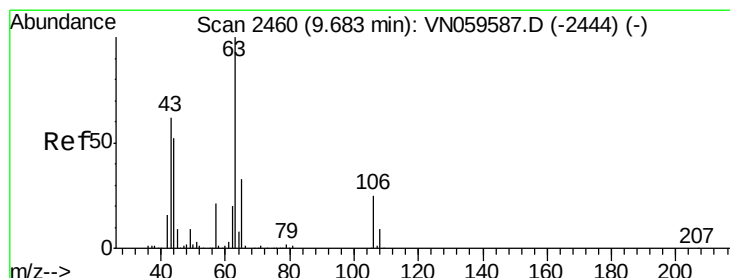
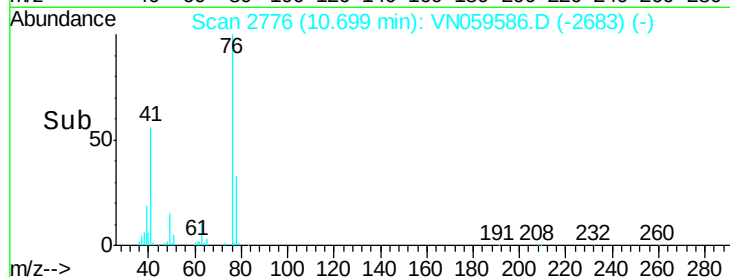
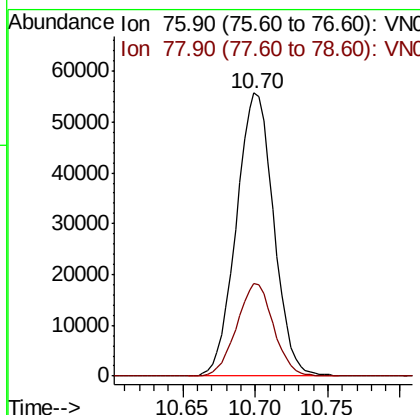
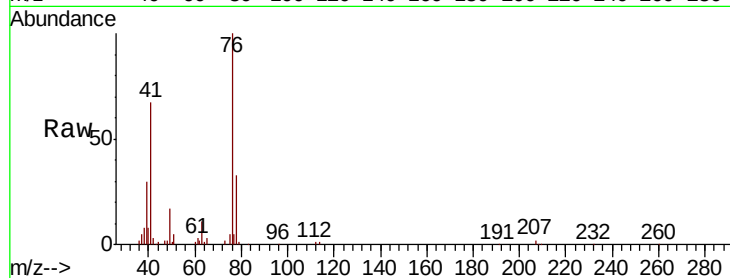
#57
 1,3-Dichloropropane
 Concen: 19.281 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

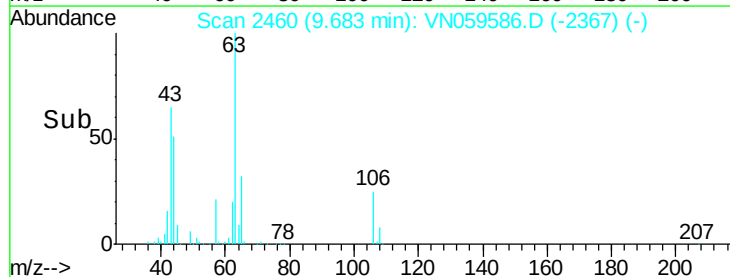
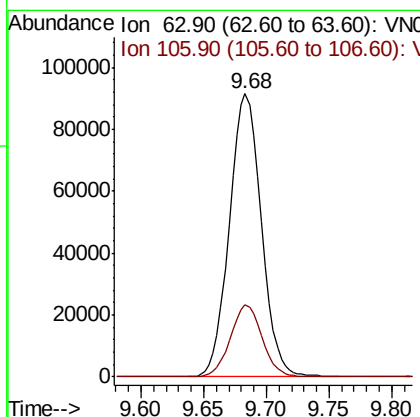
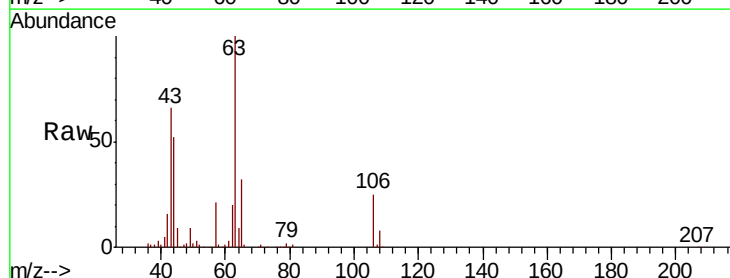
Manual Integrations
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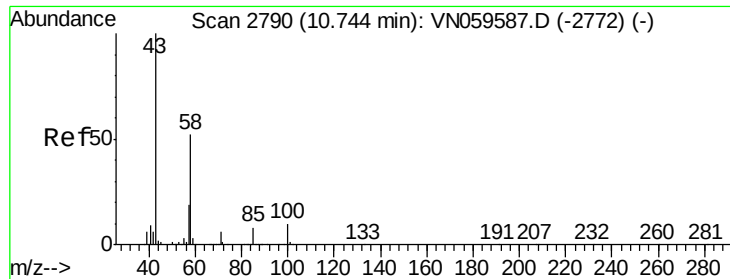
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#58
 2-Chloroethyl Vinyl ether
 Concen: 114.487 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.2	30.2





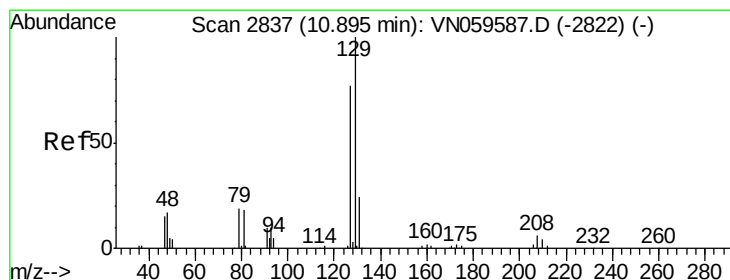
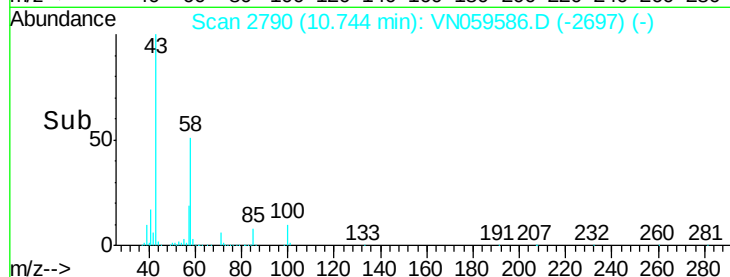
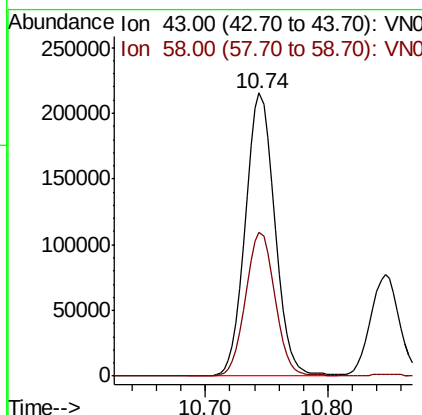
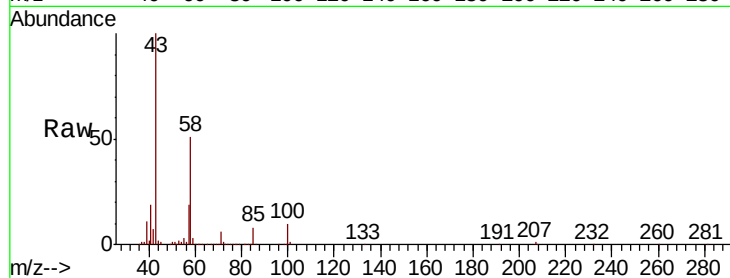
#59
2-Hexanone
Concen: 106.739 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.8	77.3

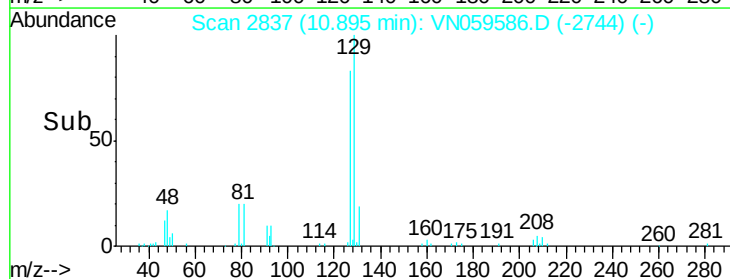
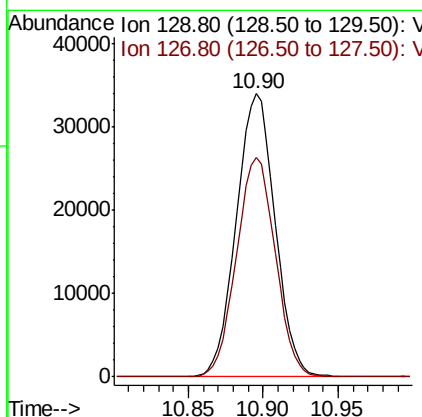
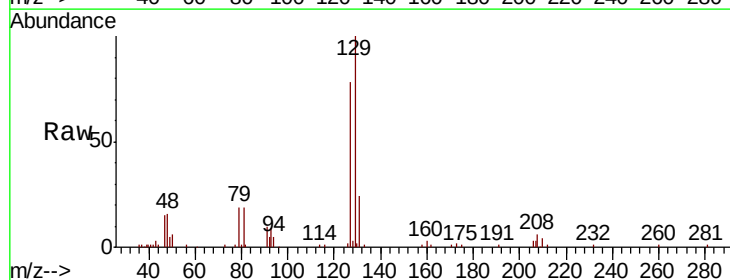
Manual Integrations
APPROVED

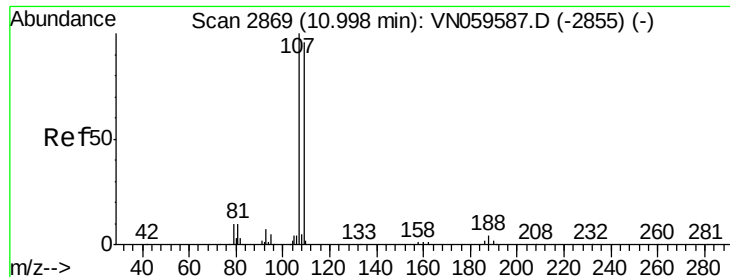
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#60
Dibromochloromethane
Concen: 18.690 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5





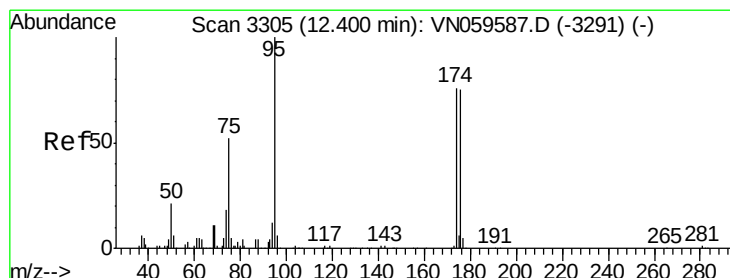
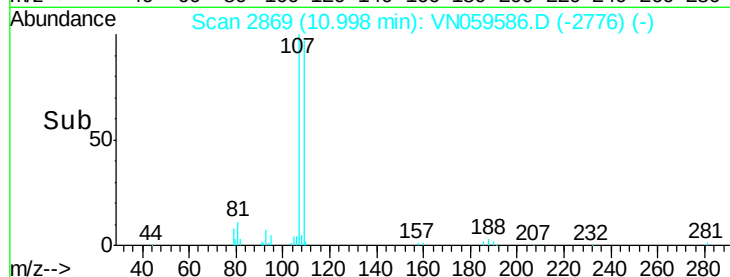
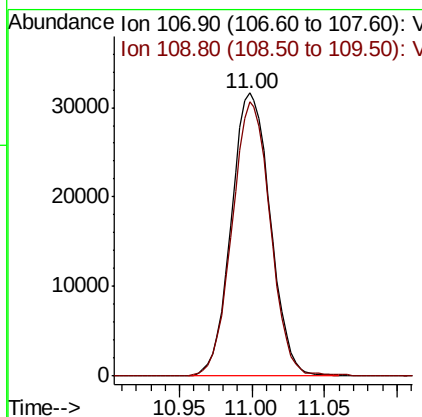
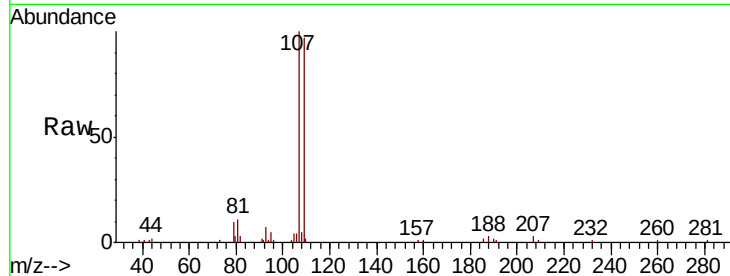
#61
 1,2-Dibromoethane
 Concen: 18.781 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.6	115.0

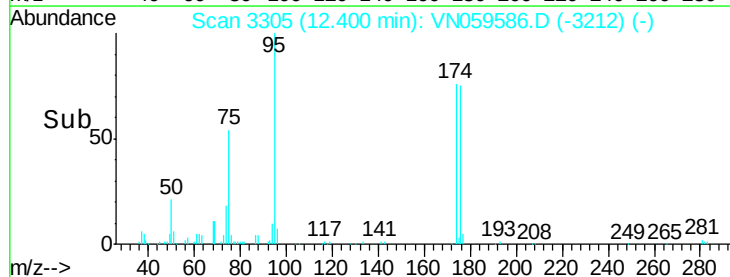
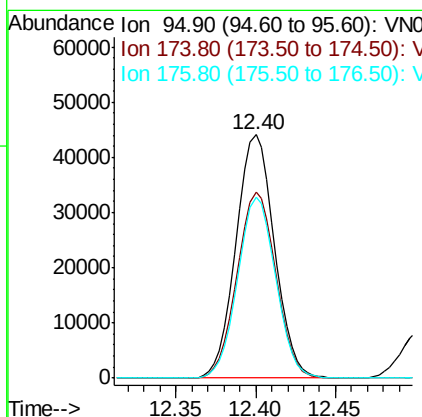
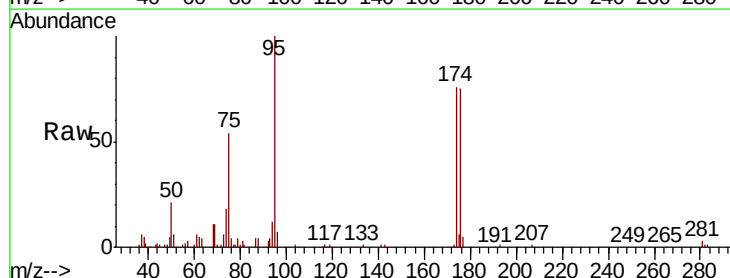
Manual Integrations
 APPROVED

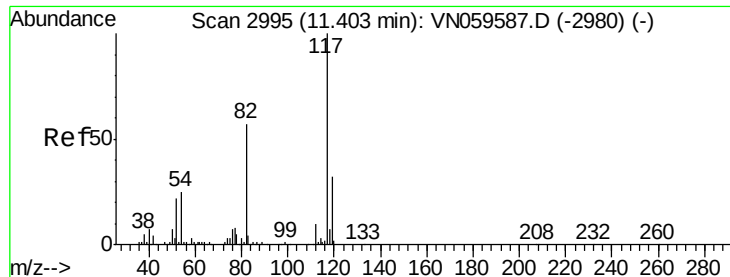
apatel
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#62
 4-Bromofluorobenzene
 Concen: 19.019 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	151.4
176	73.5	0.0	146.0





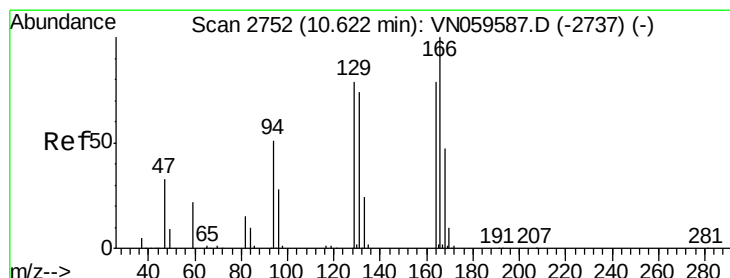
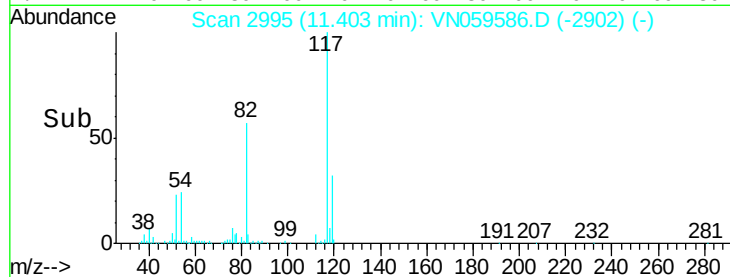
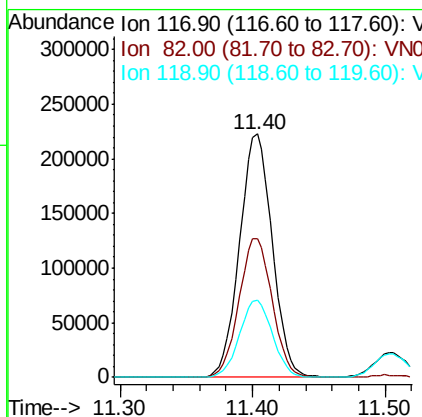
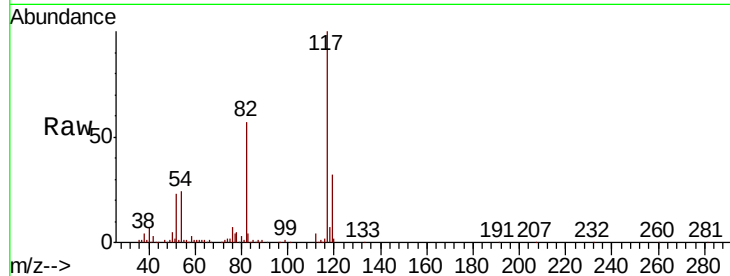
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382536		
82	57.2		45.9	68.9
119	31.8		25.5	38.3

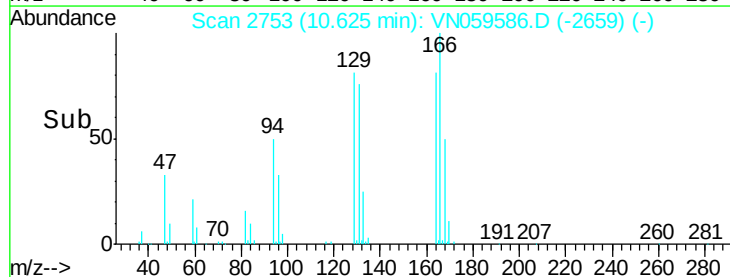
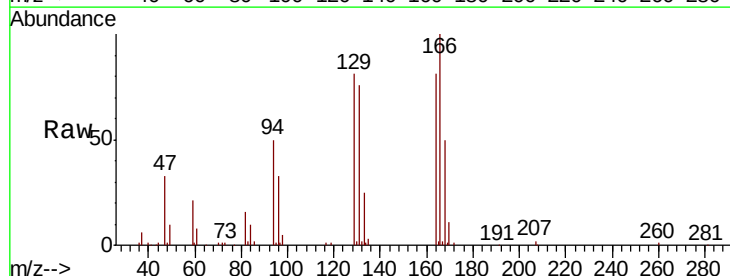
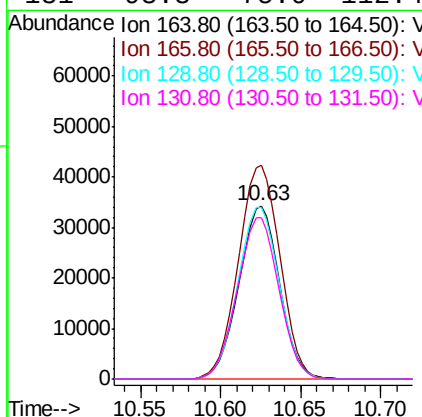
Manual Integrations
APPROVED

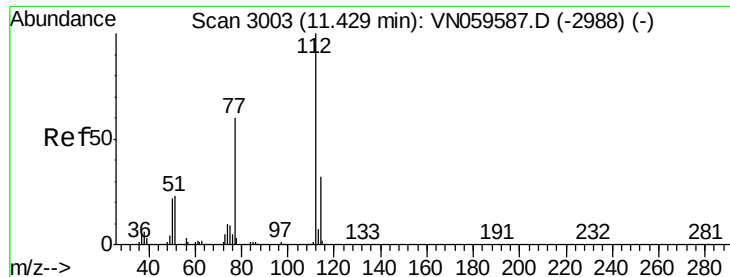
apatel
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#64
Tetrachloroethene
Concen: 19.964 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59259		
166	123.2		101.4	152.0
129	99.2		80.2	120.4
131	93.3		75.0	112.4





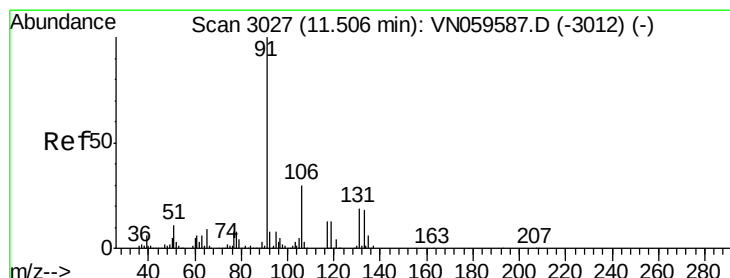
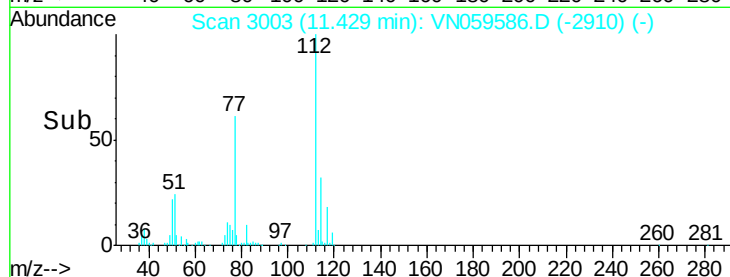
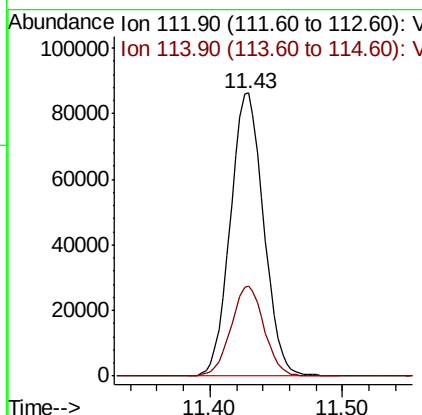
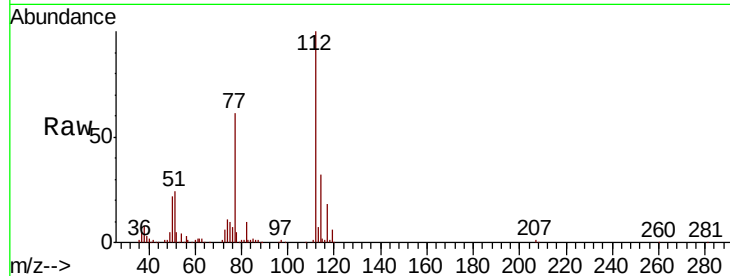
#65
Chlorobenzene
Concen: 18.422 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.8

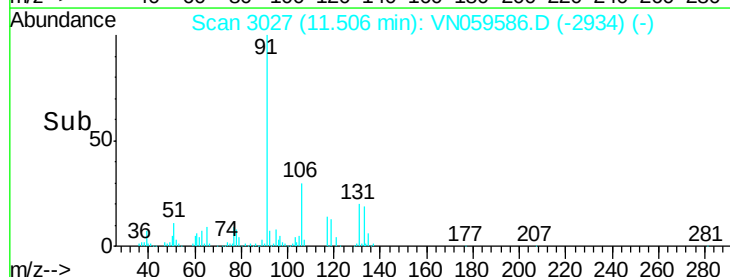
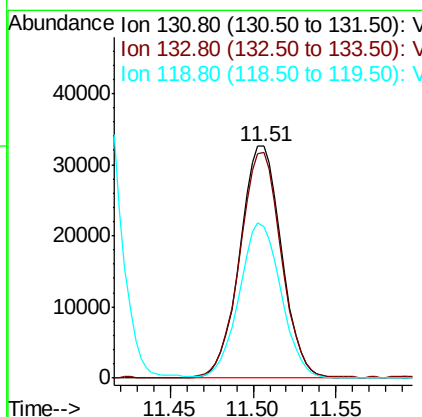
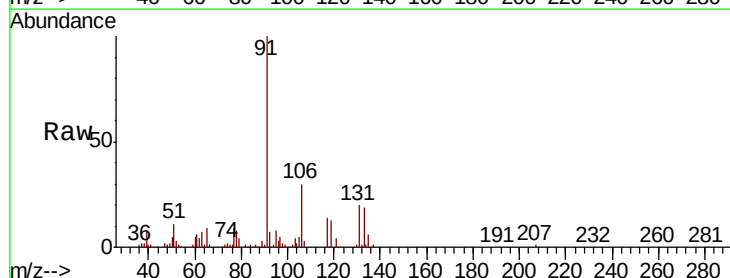
Manual Integrations
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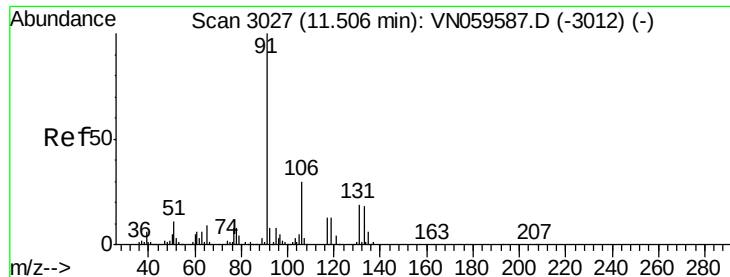
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.627 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.4	142.2
119	67.2	33.1	99.3





#67

Ethyl Benzene

Concen: 18.695 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 274379

Ion Ratio Lower Upper

91 100

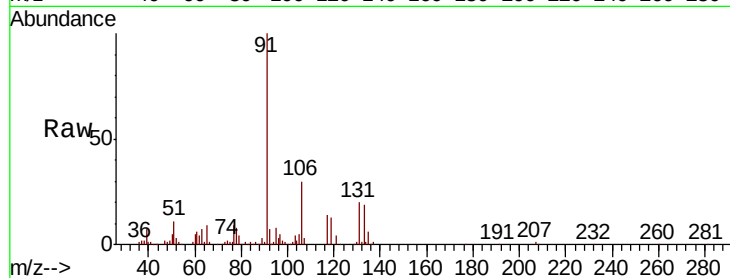
106 29.6 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

250000

200000

150000

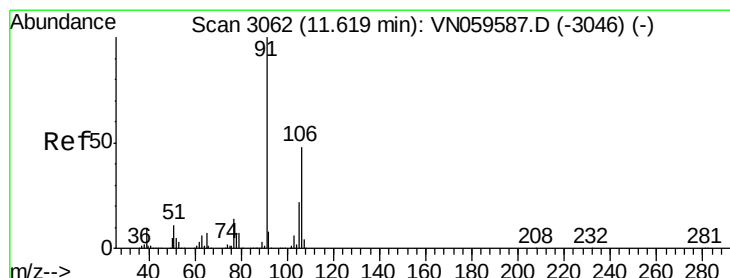
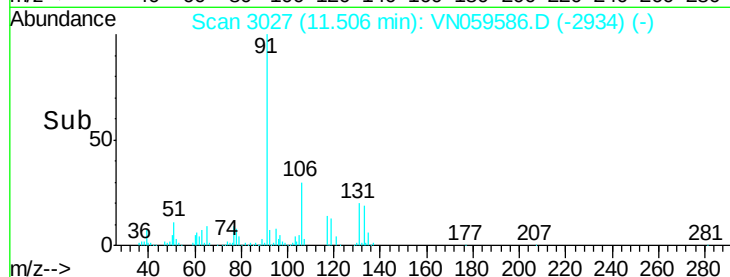
100000

50000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 37.177 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059586.D

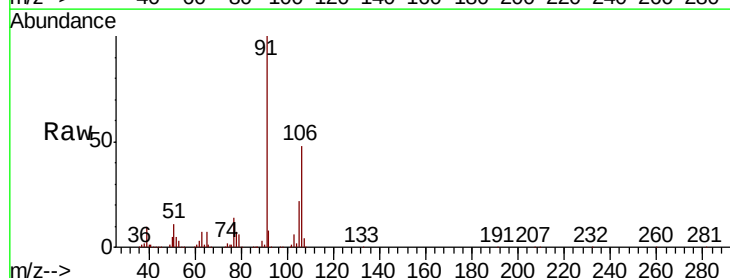
Acq: 13 Dec 2019 16:22

Tgt Ion: 106 Resp: 202128

Ion Ratio Lower Upper

106 100

91 208.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

250000

200000

150000

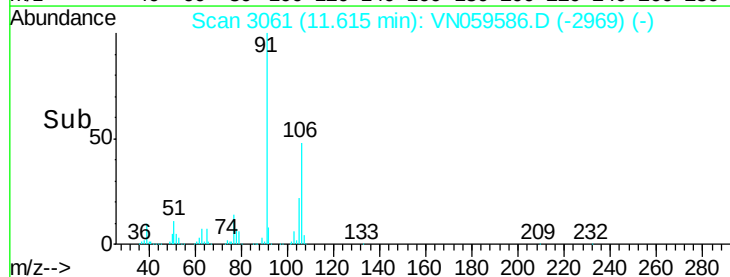
100000

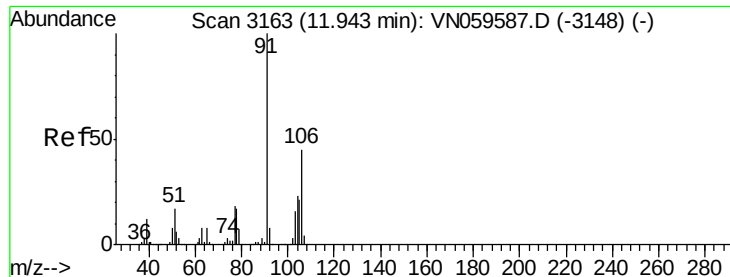
50000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





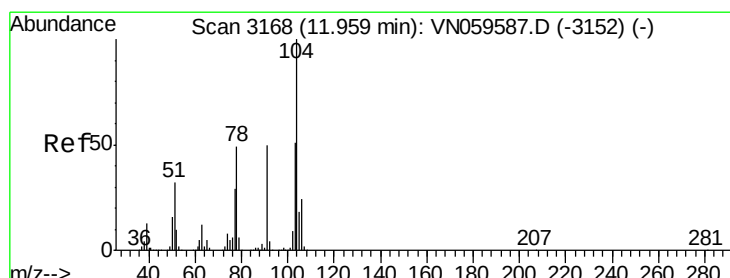
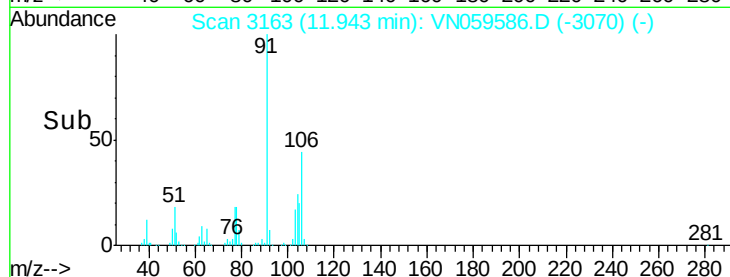
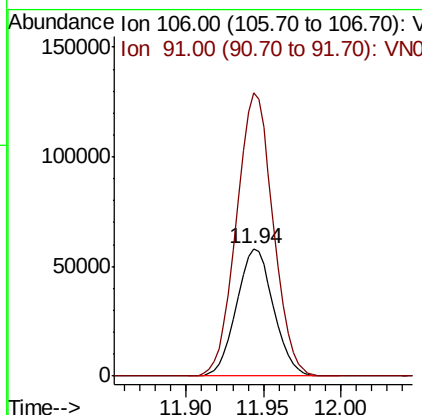
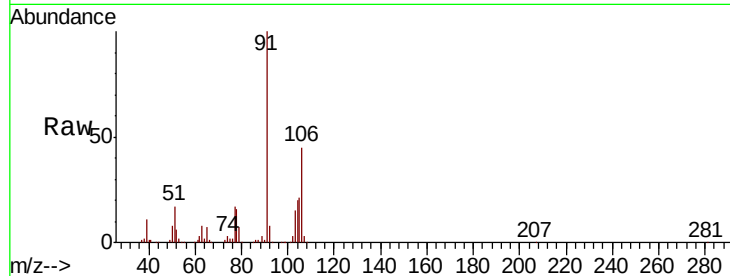
#69
o-Xylene
Concen: 18.968 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.0	110.3	330.9	

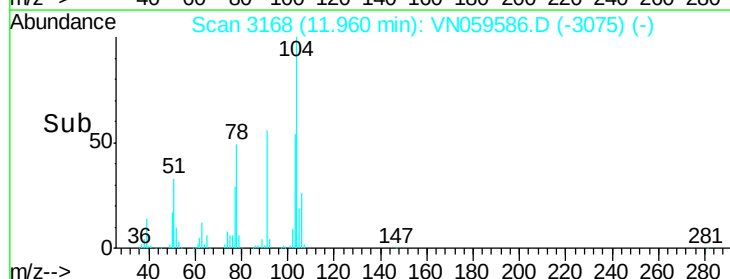
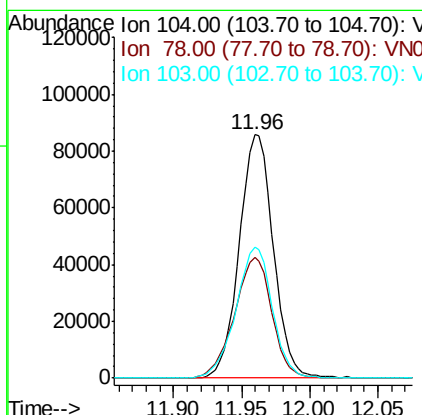
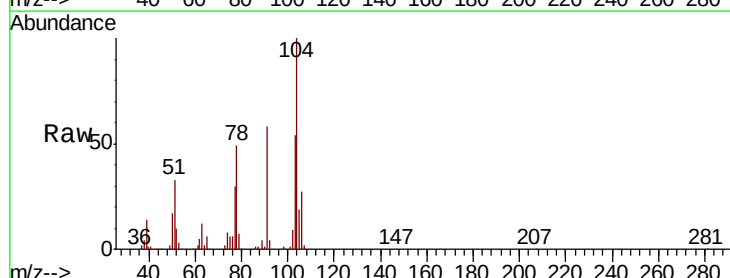
Manual Integrations
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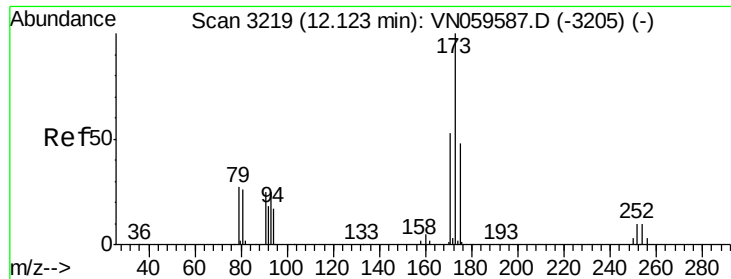
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#70
Styrene
Concen: 17.731 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.4	42.4	63.6	
103	57.5	43.9	65.9	





#71

Bromoform

Concen: 17.731 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 41946

Ion Ratio Lower Upper

173 100

175 51.1 23.8 71.4

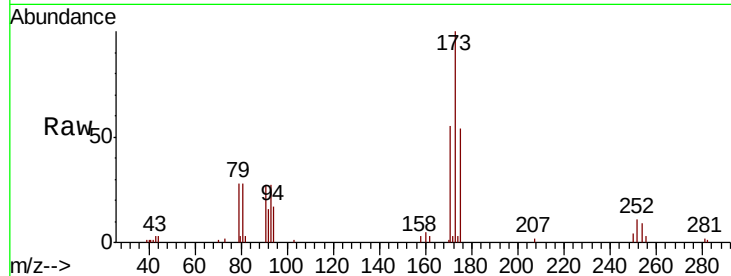
254 0.0 0.0 0.0

Manual Integrations

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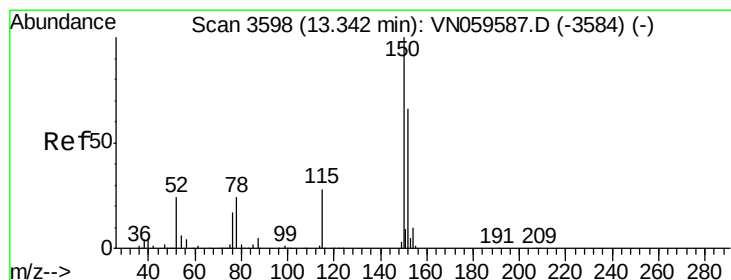
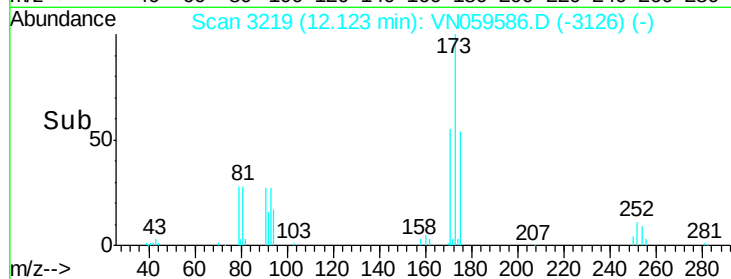
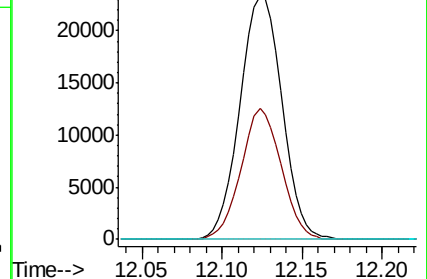
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN059586.D

Acq: 13 Dec 2019 16:22

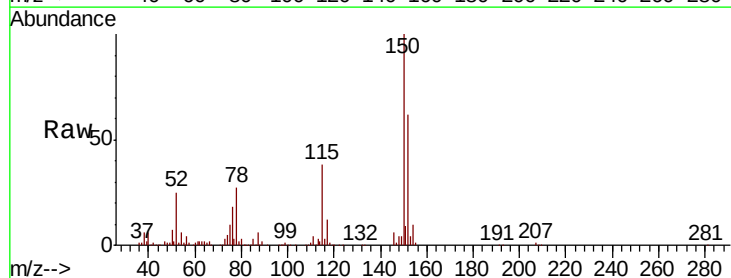
Tgt Ion:152 Resp: 176388

Ion Ratio Lower Upper

152 100

115 61.3 30.3 90.9

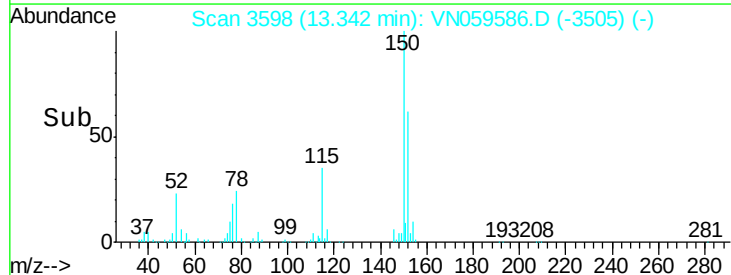
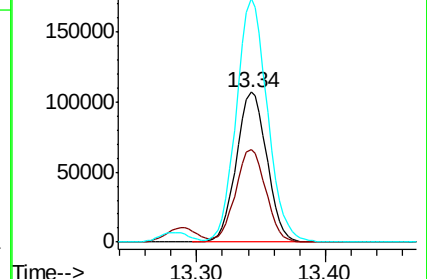
150 164.7 0.0 345.2

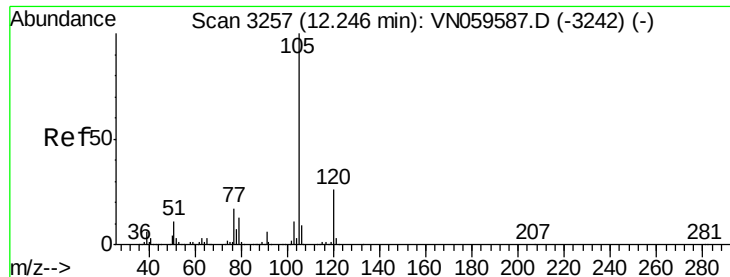


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.461 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 254551

Ion Ratio Lower Upper

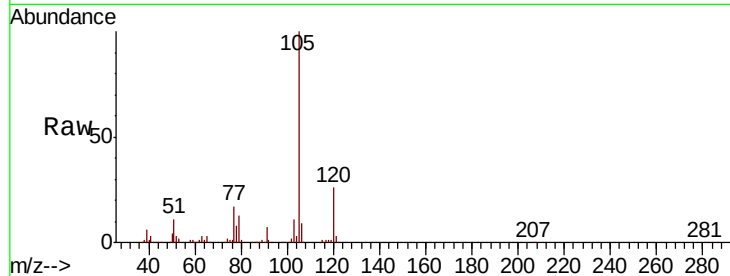
105 100

120 26.6 13.2 39.5

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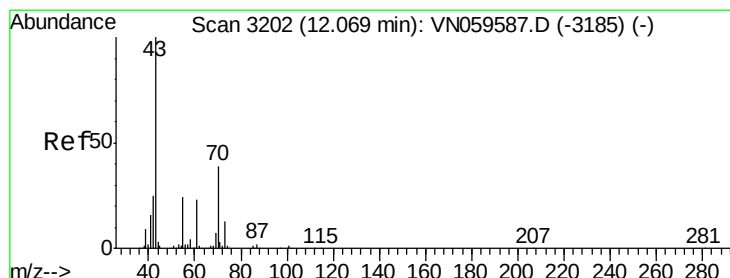
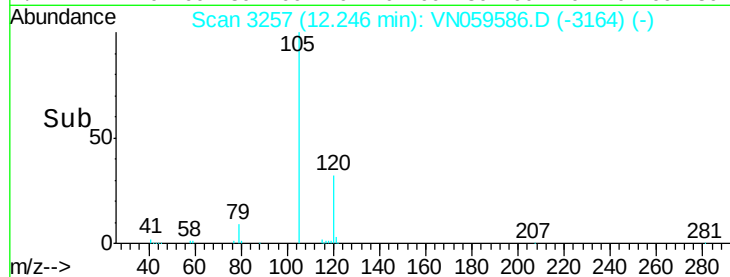
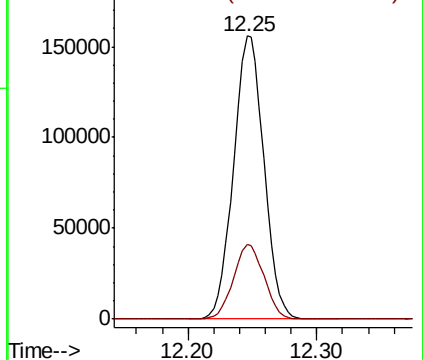
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.668 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 43 Resp: 118813

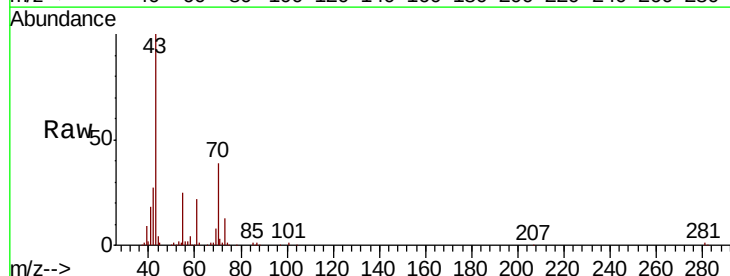
Ion Ratio Lower Upper

43 100

70 38.9 31.3 46.9

55 25.2 19.8 29.6

61 21.5 18.3 27.5

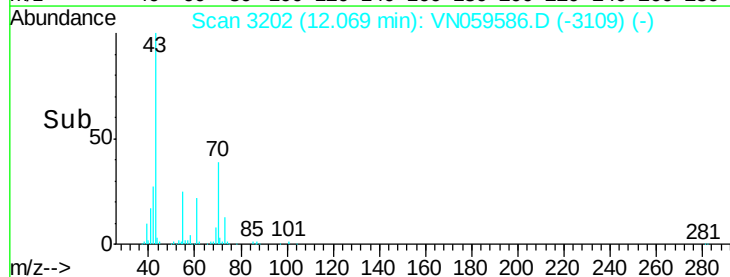
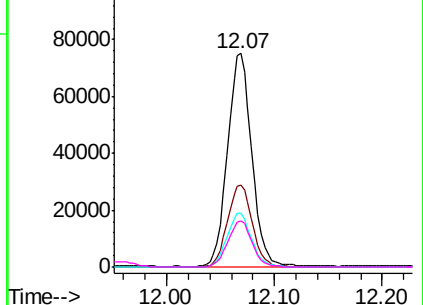


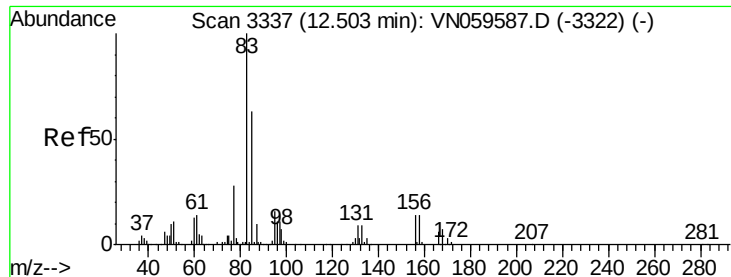
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC





#75

1,1,2,2-Tetrachloroethane

Concen: 17.740 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

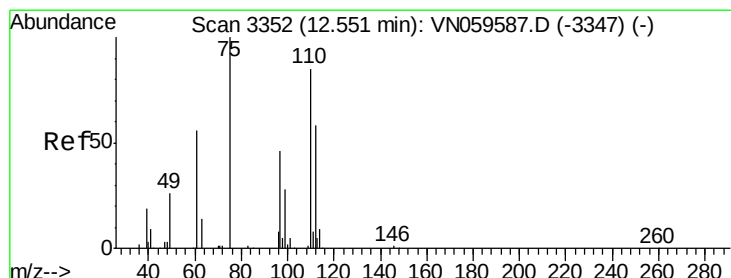
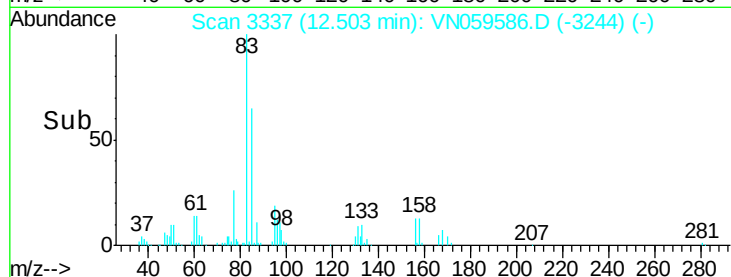
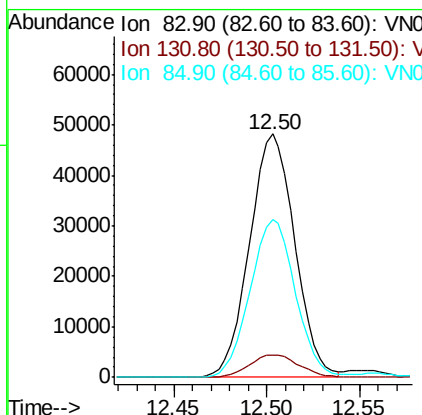
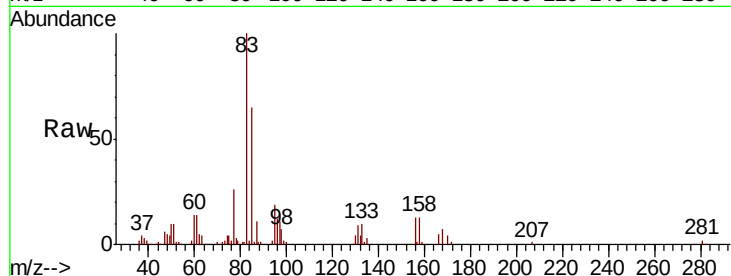
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	81633
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	65.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.908 ug/l m

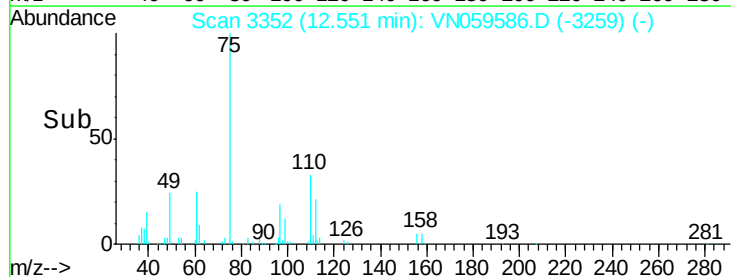
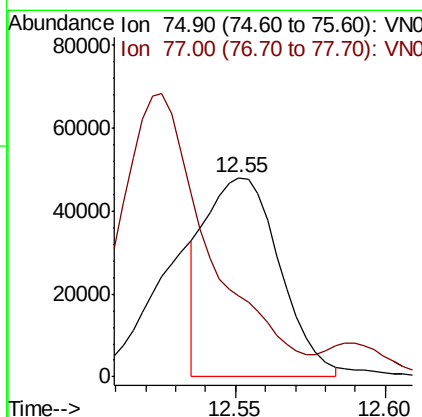
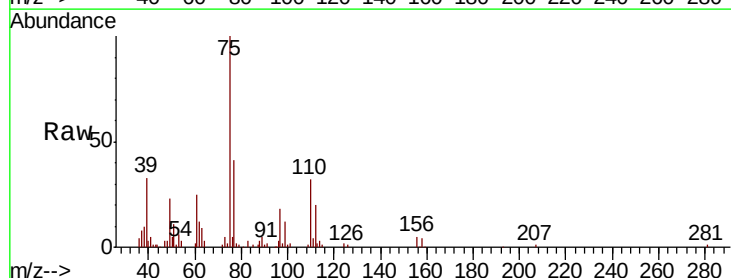
RT: 12.55 min Scan# 3352

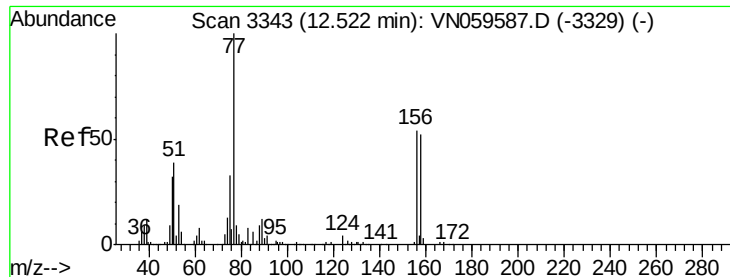
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	75	Resp:	83113
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.272 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 61798

Ion Ratio Lower Upper

156 100

77 230.4 115.8 347.4

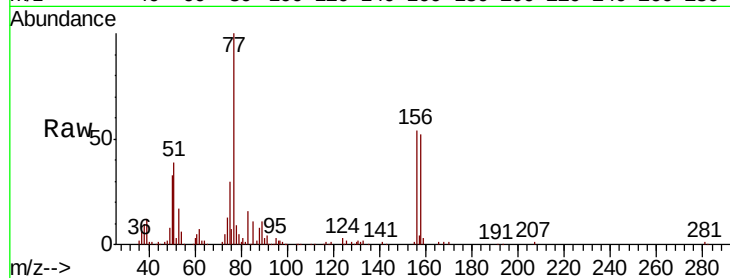
158 96.8 49.2 147.6

Manual Integrations

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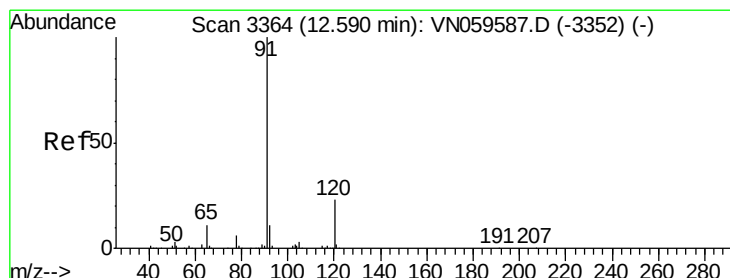
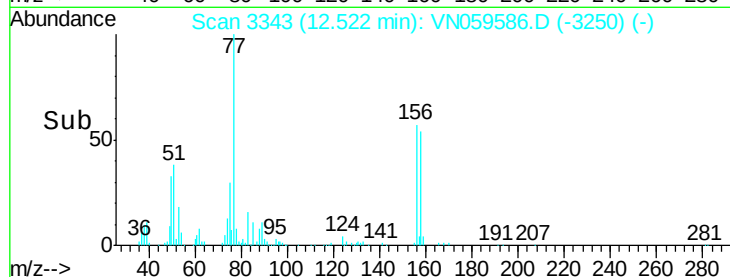
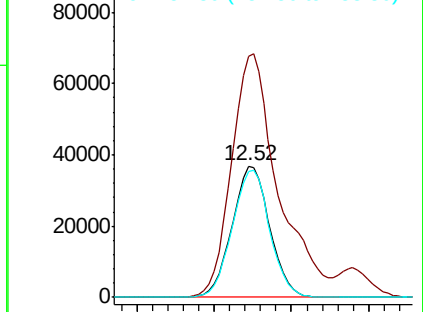
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.148 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059586.D

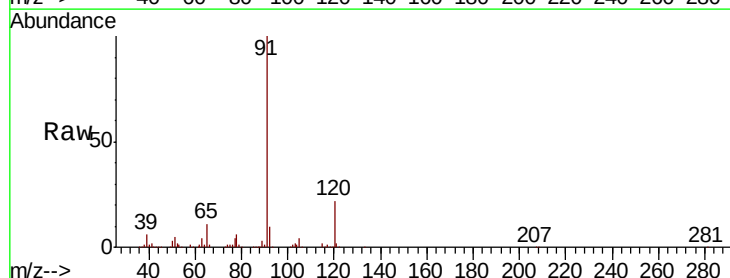
Acq: 13 Dec 2019 16:22

Tgt Ion: 91 Resp: 304187

Ion Ratio Lower Upper

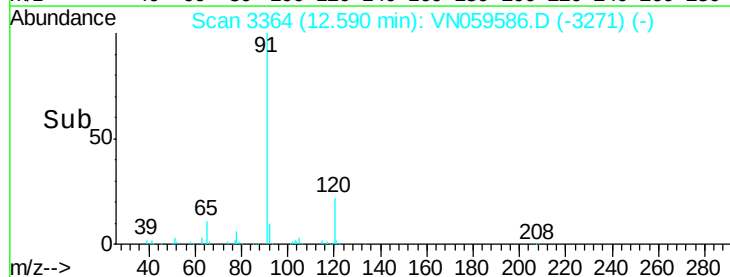
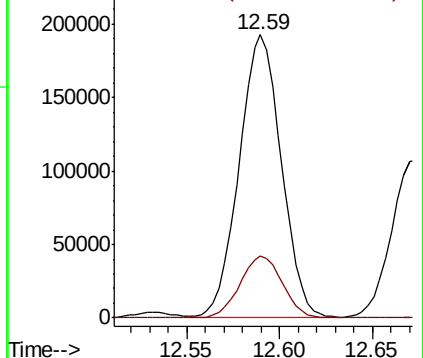
91 100

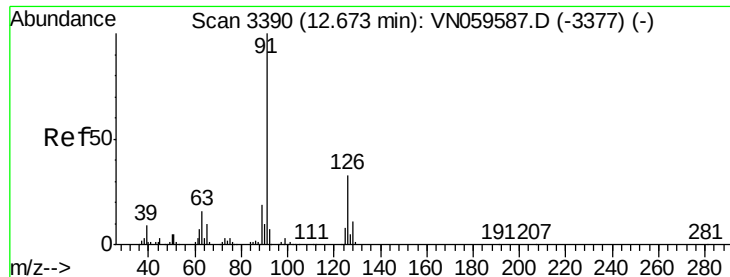
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





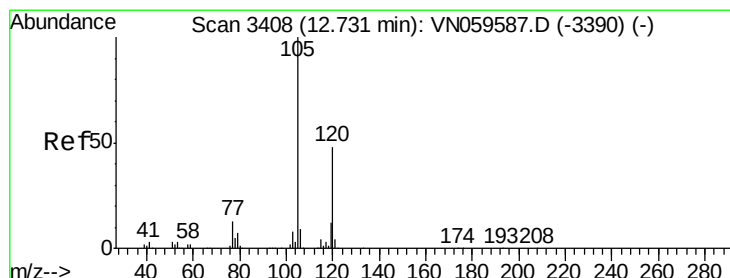
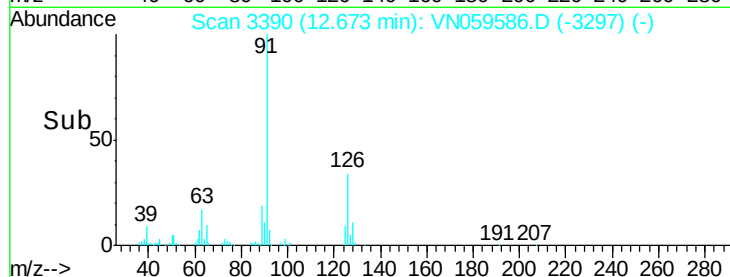
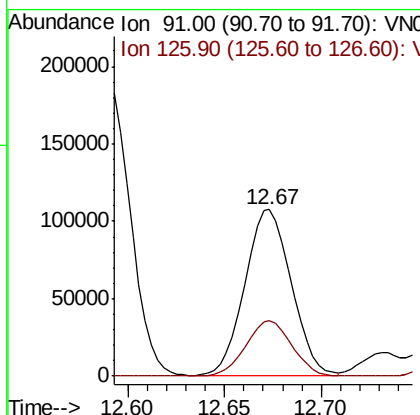
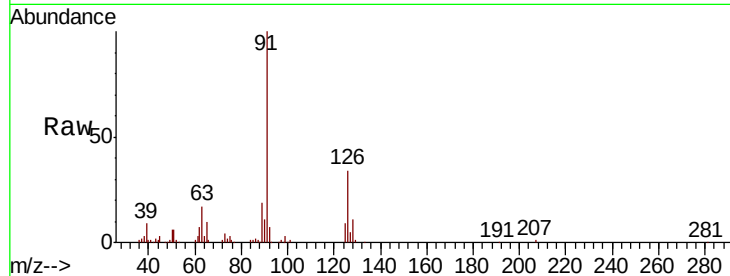
#79
 2-Chlorotoluene
 Concen: 18.026 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 180347
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.3 48.9

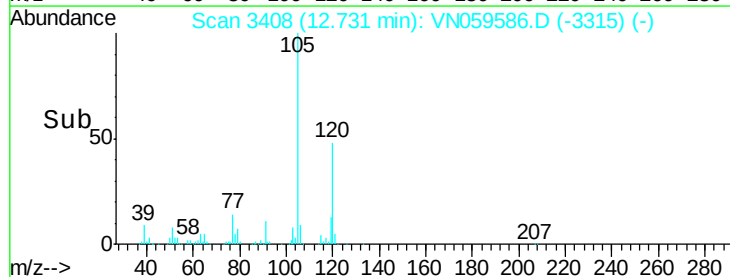
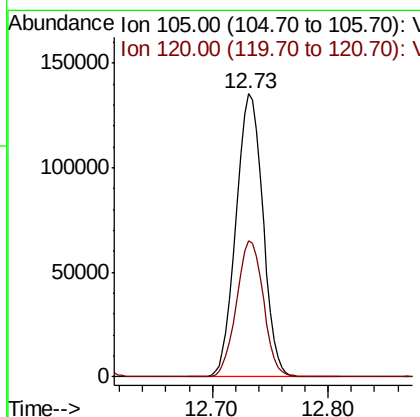
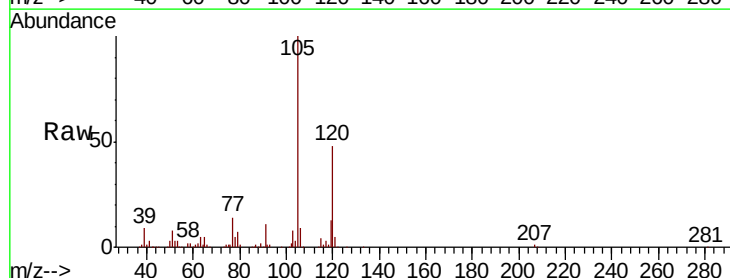
Manual Integrations
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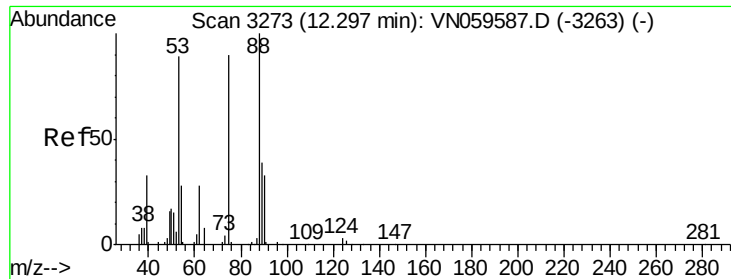
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.623 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 105 Resp: 217285
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.4





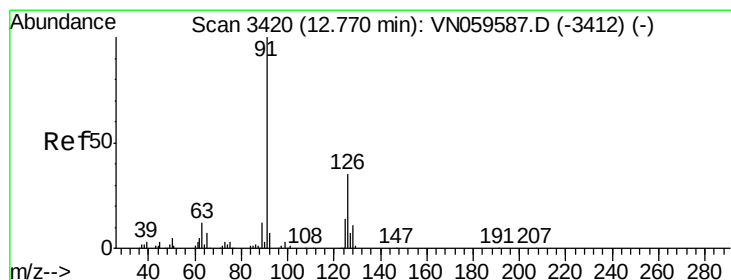
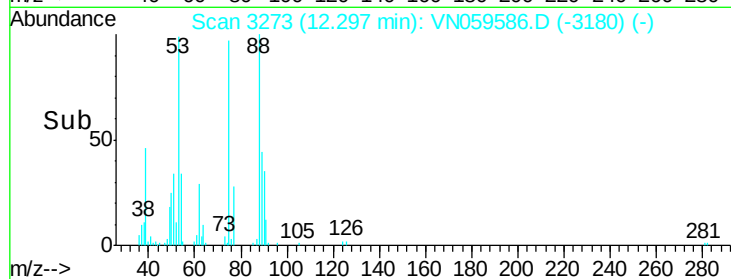
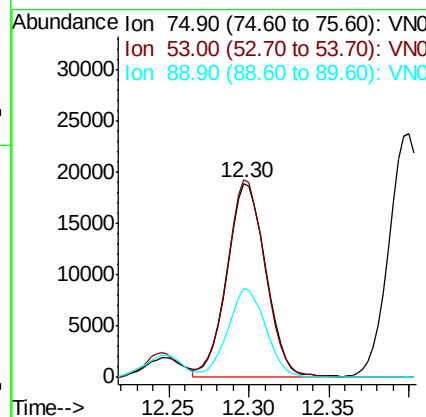
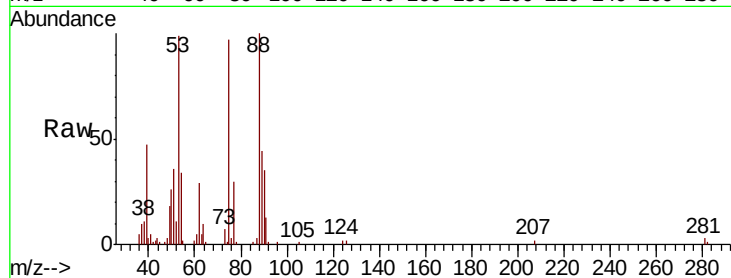
#81
trans-1,4-Dichloro-2-butene
Concen: 17.934 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.1	117.1
89	44.4	35.4	53.2

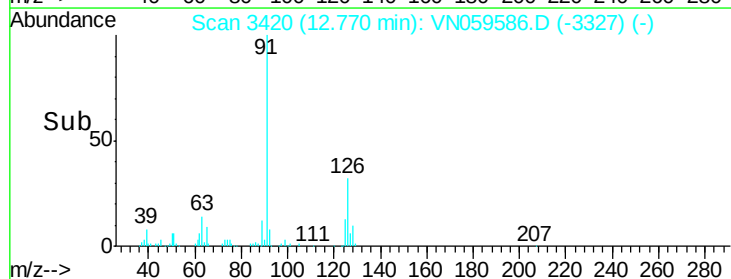
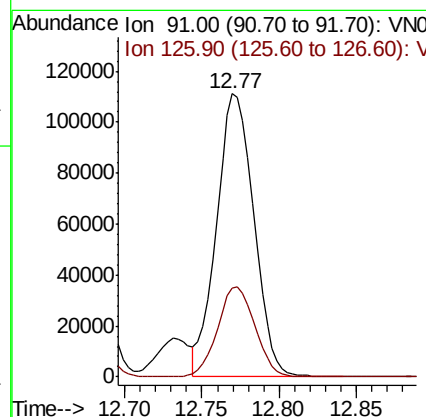
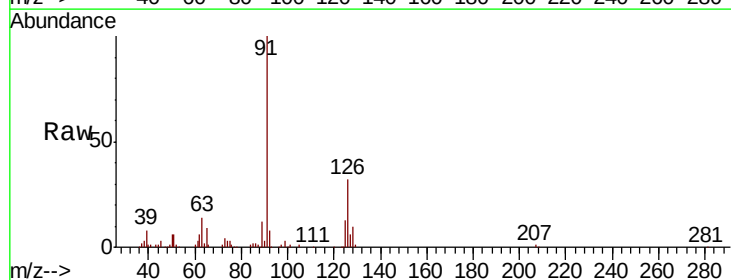
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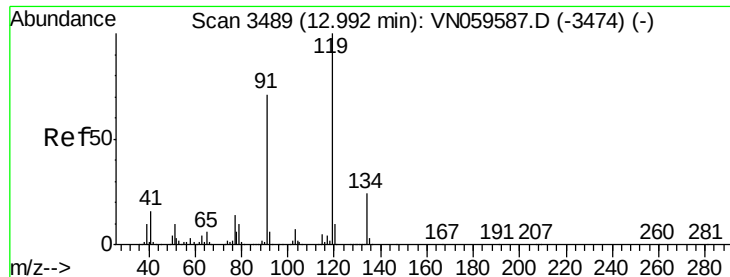
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#82
4-Chlorotoluene
Concen: 18.217 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.3	48.8





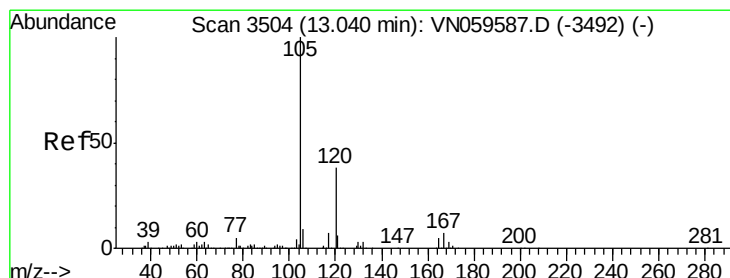
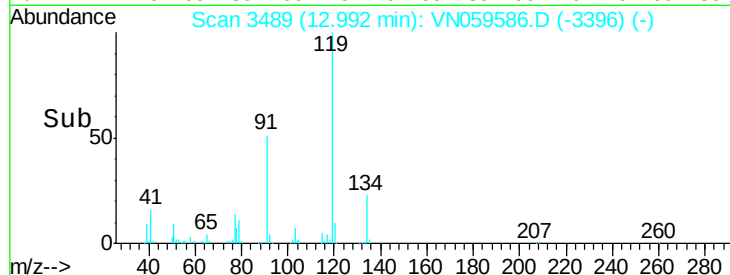
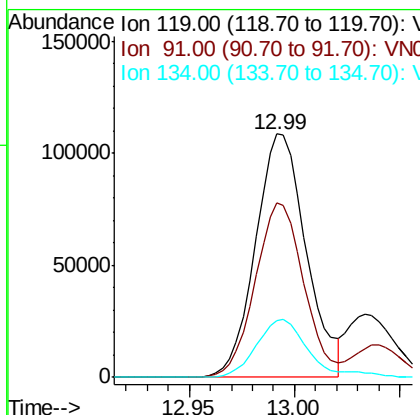
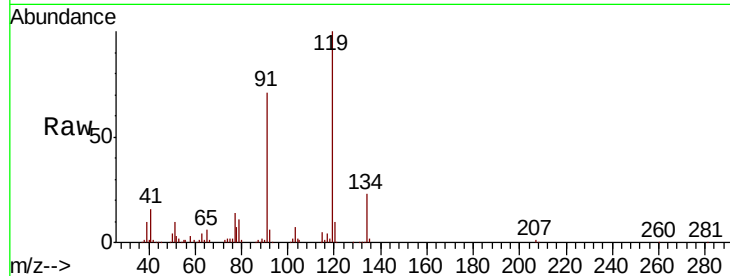
#83
 tert-Butylbenzene
 Concen: 18.671 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	181318		
91	68.6	34.8	104.4	
134	24.7	12.3	36.9	

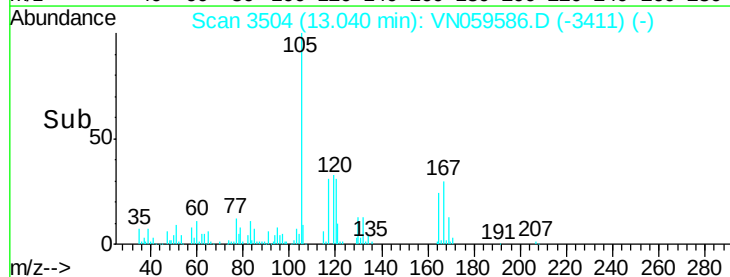
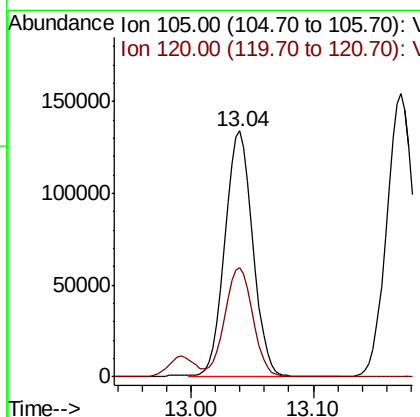
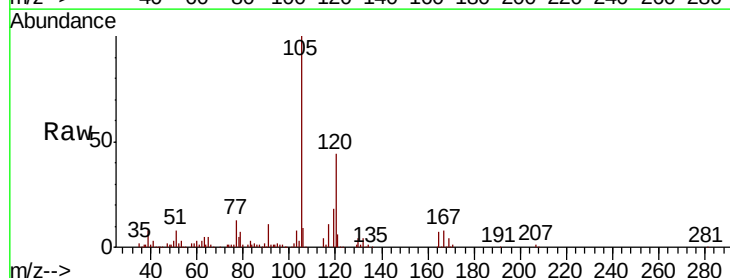
Manual Integrations
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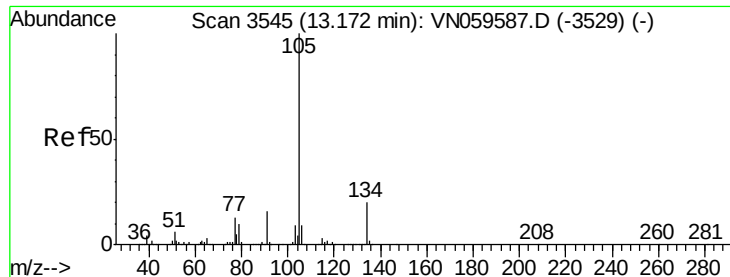
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.668 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214823		
120	44.7	22.3	66.9	





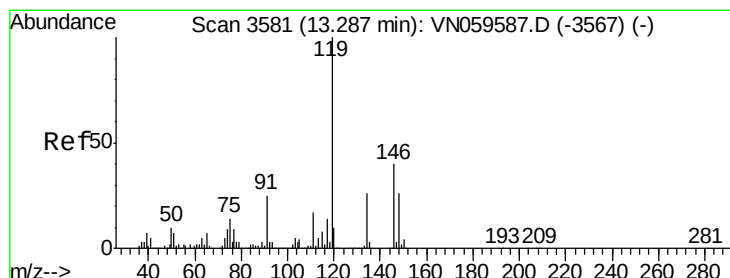
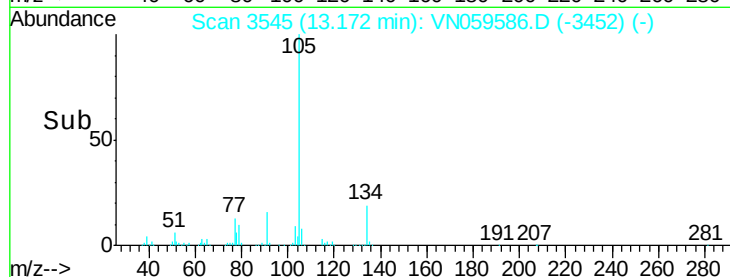
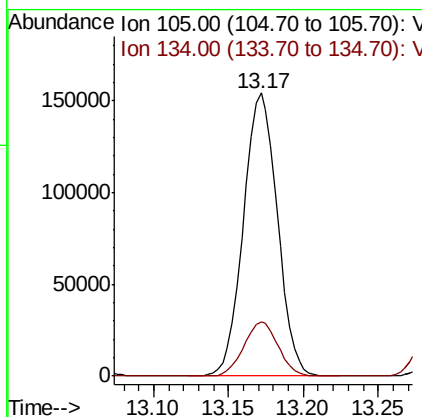
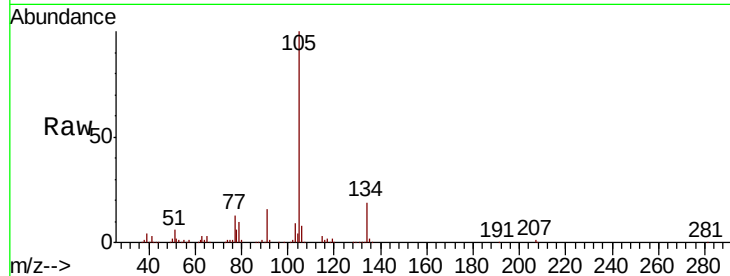
#85
 sec-Butylbenzene
 Concen: 18.259 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

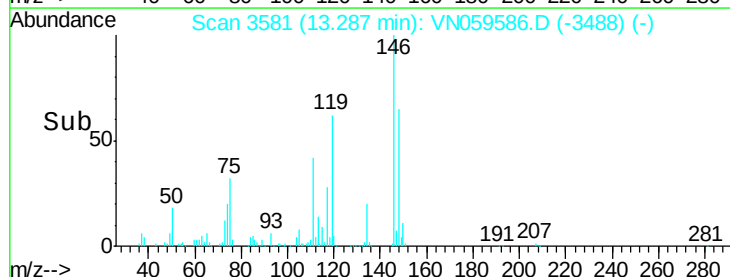
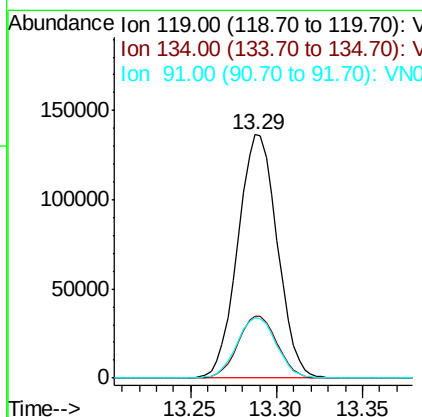
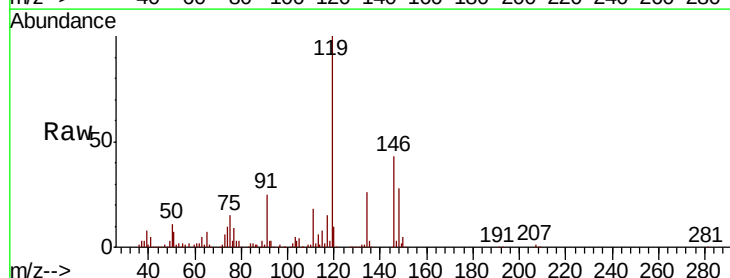
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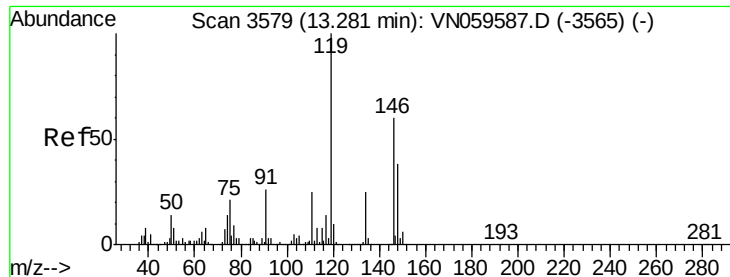
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#86
 p-Isopropyltoluene
 Concen: 18.396 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.7
91	25.2	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 17.889 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

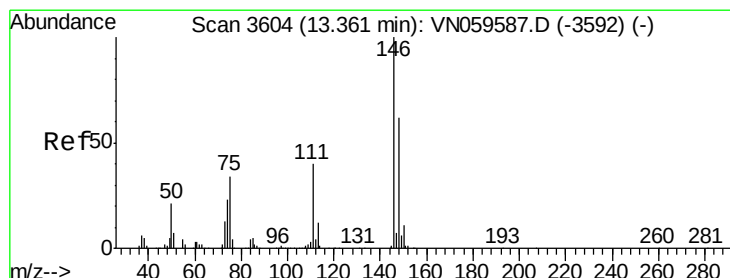
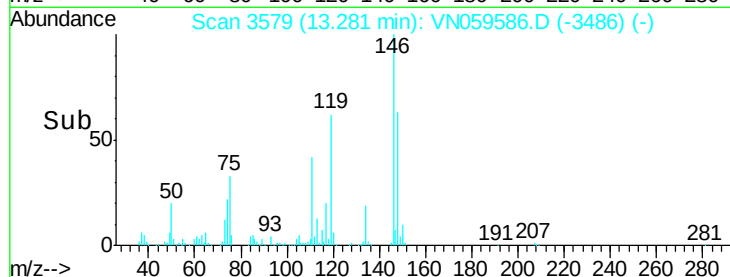
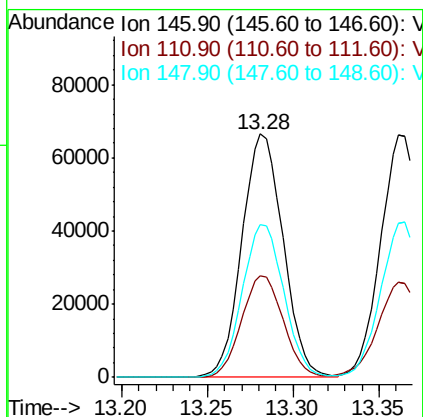
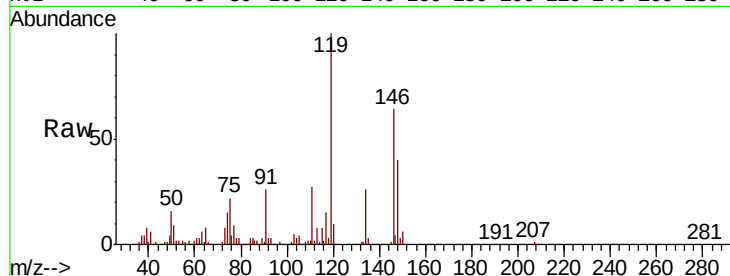
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	110875
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.8	62.2
148	63.3	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.182 ug/l

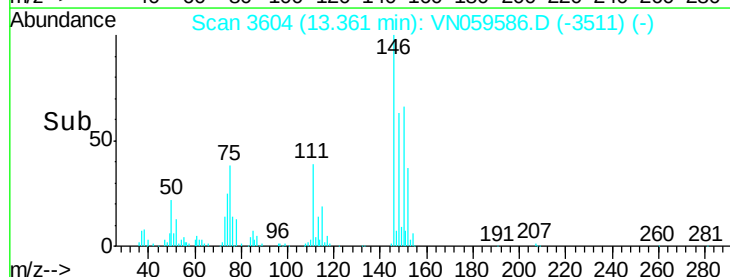
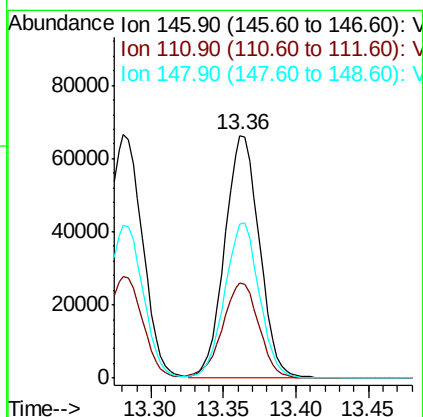
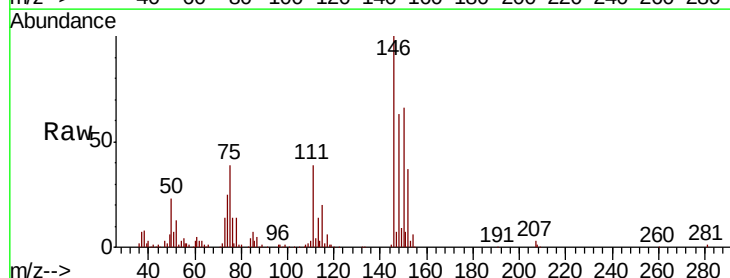
RT: 13.36 min Scan# 3604

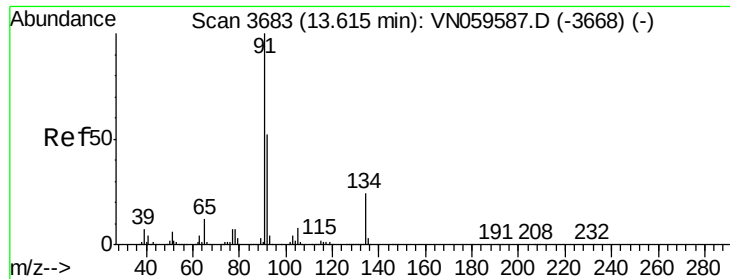
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	146	Resp:	110106
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.8	62.2
148	63.9	31.8	95.4





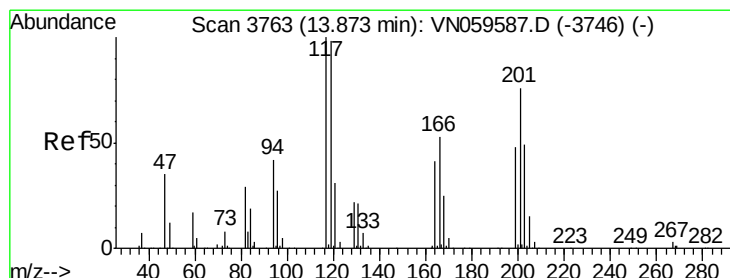
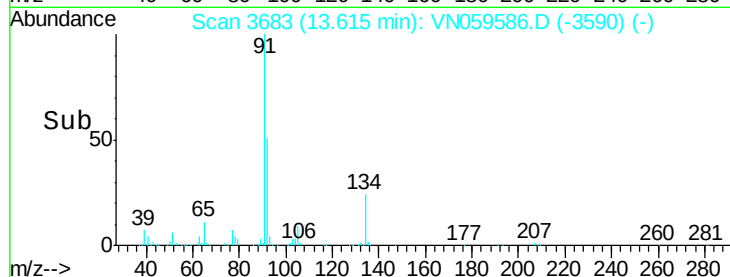
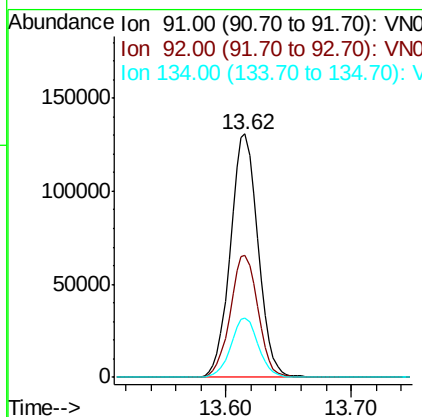
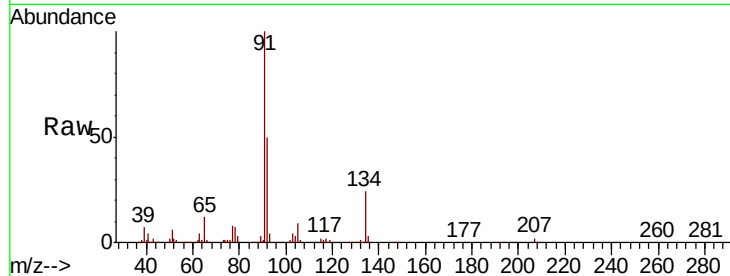
#89
n-Butylbenzene
Concen: 17.872 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.9	77.7
134	24.1	12.3	36.8

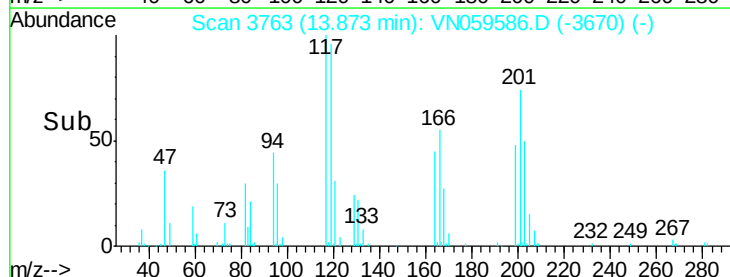
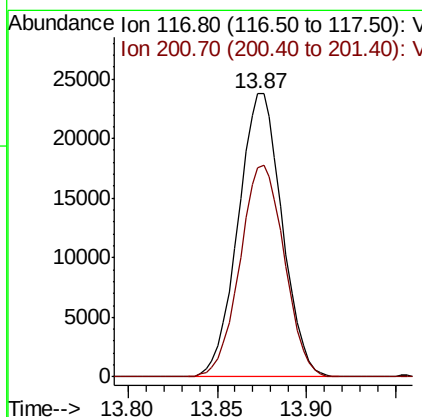
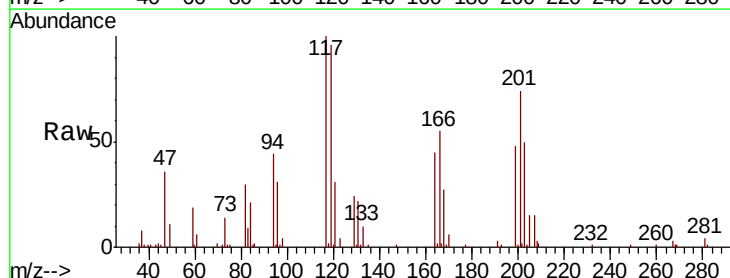
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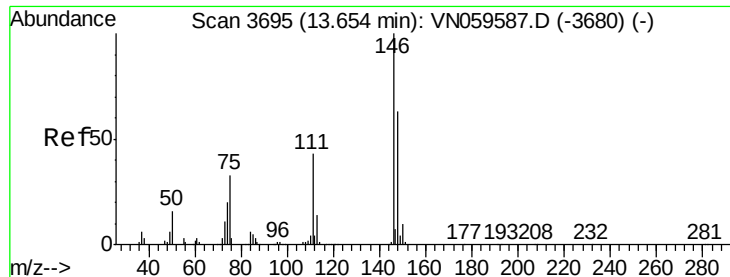
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#90
Hexachloroethane
Concen: 18.644 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 18.706 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

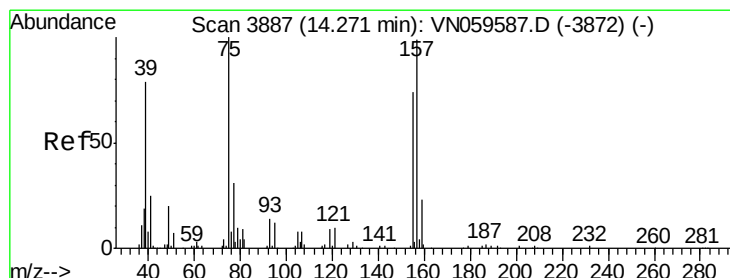
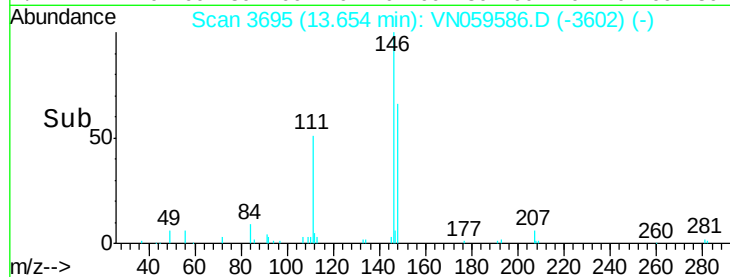
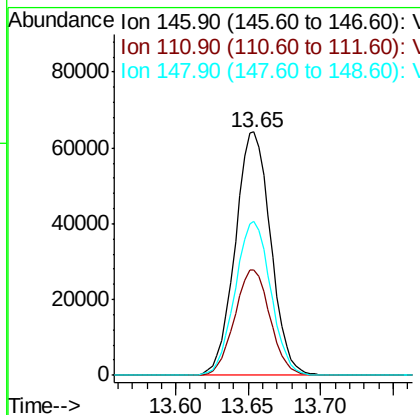
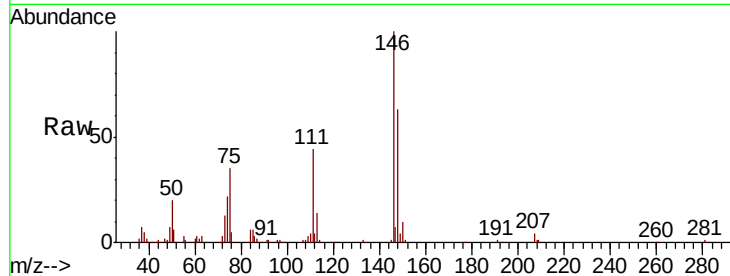
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	109211
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.6	64.8
148	63.7	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.750 ug/l

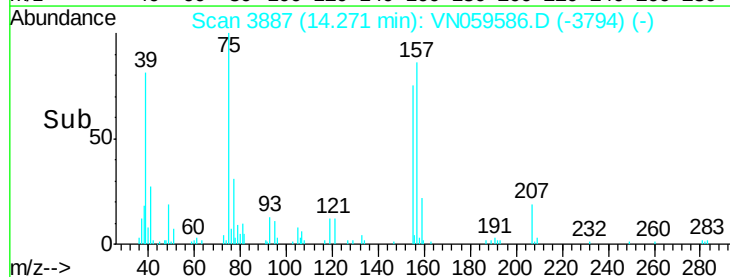
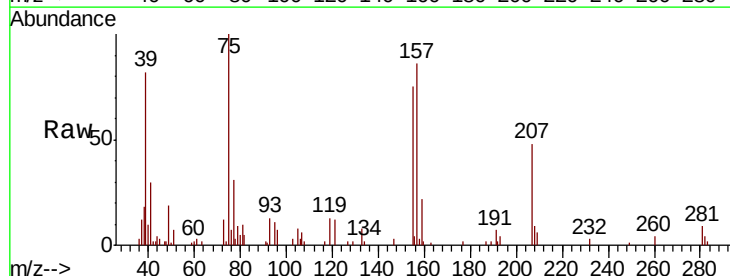
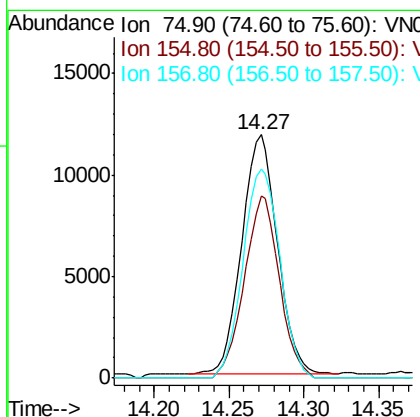
RT: 14.27 min Scan# 3887

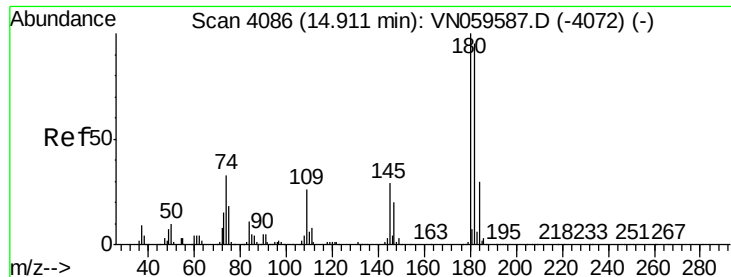
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion:	75	Resp:	19544
Ion Ratio	Lower	Upper	
75	100		
155	74.6	37.0	110.9
157	90.2	48.4	145.2





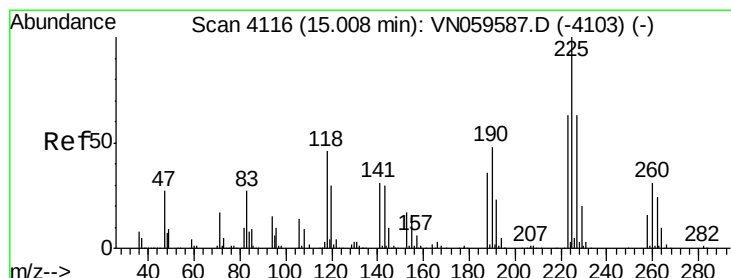
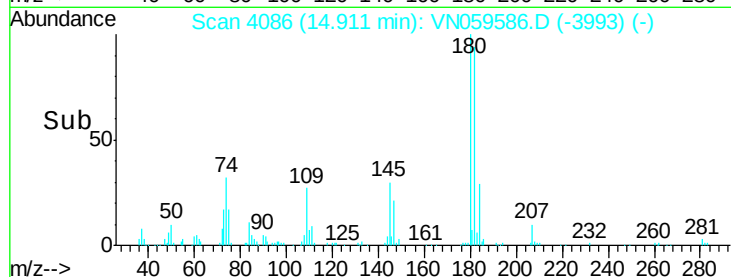
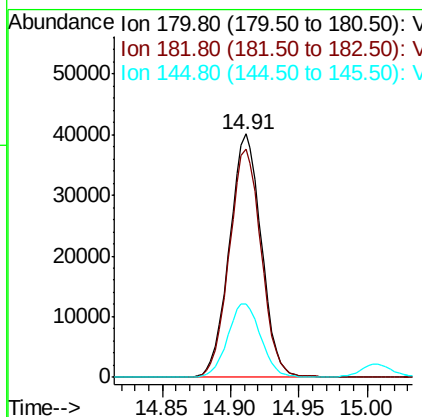
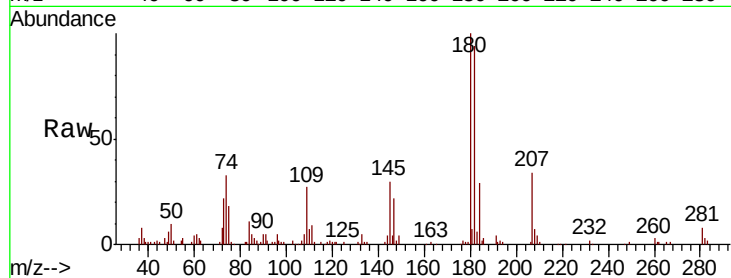
#93
1,2,4-Trichlorobenzene
Concen: 16.411 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	46.9	140.7
145	31.5	15.0	45.1

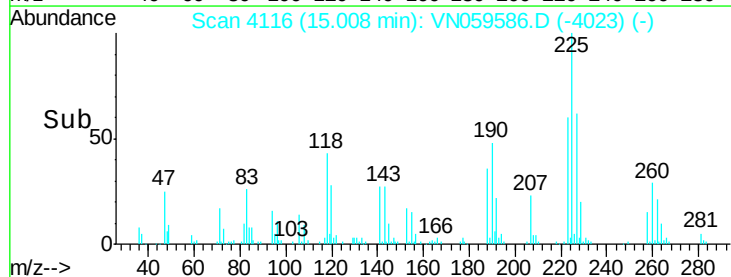
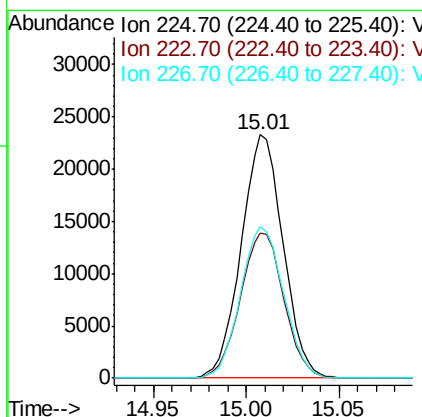
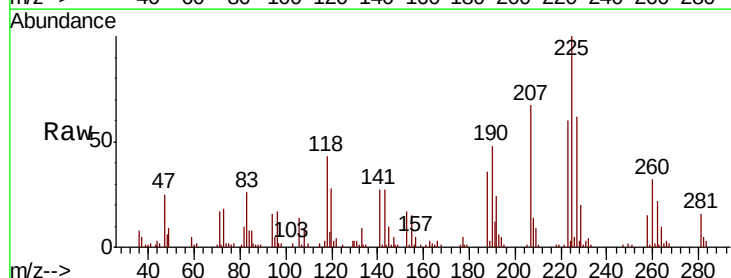
Manual Integrations
APPROVED

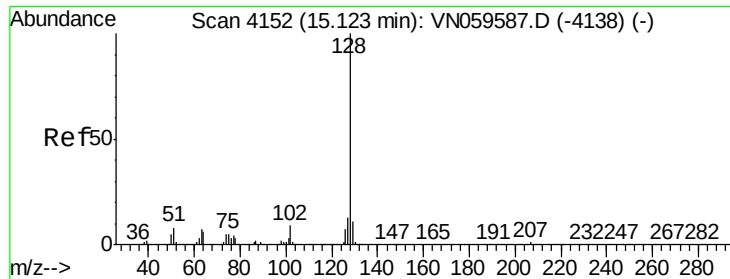
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#94
Hexachlorobutadiene
Concen: 18.207 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.8	95.3
227	63.6	32.1	96.5





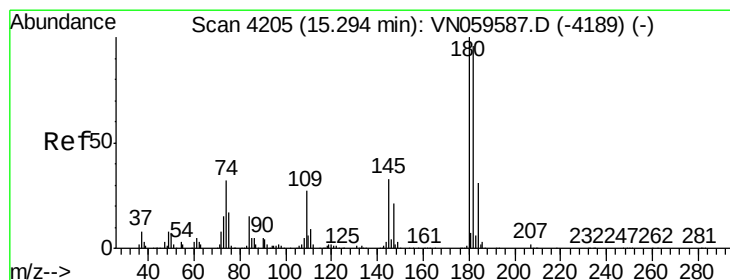
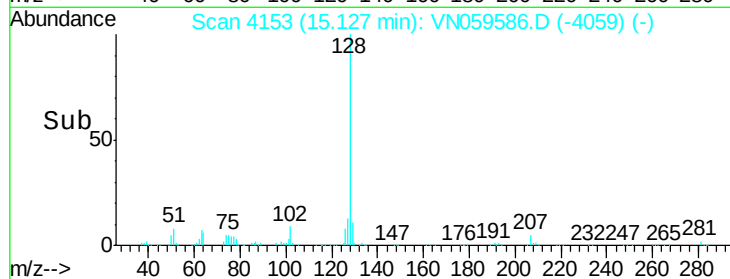
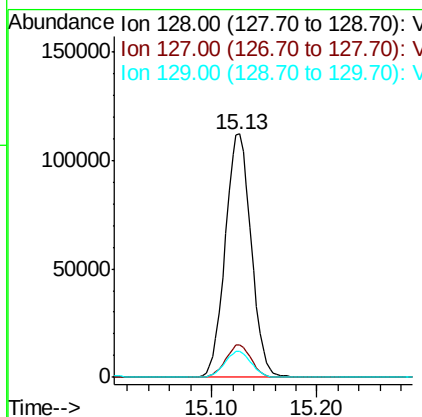
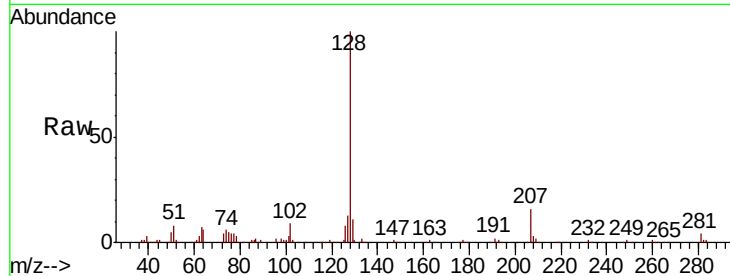
#95
Naphthalene
Concen: 16.298 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 15.565 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.3
145	33.0	16.3	48.9

