

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059527.D
 Acq On : 9 Dec 2019 15:08
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 12/10/2019 5:10:40 PM

Quant Time: Dec 09 16:31:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	246423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	459988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	451163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165930	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	18600	6.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.16%	
35) Dibromofluoromethane	7.57	113	13237	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
50) Toluene-d8	10.08	98	50338	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	
62) 4-Bromofluorobenzene	12.40	95	16895	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	10983	4.050	ug/l	100
3) Chloromethane	2.04	50	17033	4.602	ug/l	95
4) Vinyl Chloride	2.17	62	14685	5.887	ug/l	99
5) Bromomethane	2.54	94	8928	5.816	ug/l	97
6) Chloroethane	2.68	64	8677	5.954	ug/l	97
7) Trichlorofluoromethane	3.00	101	17918	6.023	ug/l	92
8) Diethyl Ether	3.39	74	7016	4.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10454	4.088	ug/l	98
10) Methyl Iodide	3.93	142	10295	3.208	ug/l	98
11) Tert butyl alcohol	4.76	59	8284m	14.801	ug/l	
12) 1,1-Dichloroethene	3.71	96	10109	4.075	ug/l	87
13) Acrolein	3.59	56	5064	11.763	ug/l	96
14) Allyl chloride	4.29	41	16092	3.266	ug/l	95
15) Acrylonitrile	4.96	53	21730	14.330	ug/l	94
16) Acetone	3.79	43	31507	15.670	ug/l	98
17) Carbon Disulfide	4.03	76	30165	3.537	ug/l	98
18) Methyl Acetate	4.30	43	14918m	3.700	ug/l	
19) Methyl tert-butyl Ether	5.02	73	25923	3.037	ug/l	100
20) Methylene Chloride	4.52	84	11930	3.777	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	8805	3.154	ug/l	87
22) Diisopropyl ether	5.92	45	27756	3.021	ug/l	89
23) Vinyl Acetate	5.87	43	113700	15.350	ug/l	99
24) 1,1-Dichloroethane	5.82	63	17950	3.444	ug/l	100
25) 2-Butanone	6.81	43	32716	14.392	ug/l	99
26) 2,2-Dichloropropane	6.79	77	15534	3.414	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	9421	3.032	ug/l	95
28) Bromochloromethane	7.18	49	5295	3.189	ug/l #	98
29) Tetrahydrofuran	7.19	42	22090	15.381	ug/l	99
30) Chloroform	7.35	83	16489	3.252	ug/l	98
31) Cyclohexane	7.64	56	19346	3.856	ug/l #	72
32) 1,1,1-Trichloroethane	7.54	97	14889	3.367	ug/l	99
36) 1,1-Dichloropropene	7.77	75	12476	2.661	ug/l	99
37) Ethyl Acetate	6.91	43	13915	2.656	ug/l	96
38) Carbon Tetrachloride	7.75	117	12719	2.808	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	13493	2.411	ug/l	97
40) Benzene	8.02	78	37271	2.727	ug/l	97
41) Methacrylonitrile	7.16	41	6497m	3.007	ug/l	
42) 1,2-Dichloroethane	8.10	62	14697	3.096	ug/l	98
43) Isopropyl Acetate	8.15	43	20858	2.661	ug/l #	92
44) Trichloroethene	8.82	130	9639	2.704	ug/l	93
45) 1,2-Dichloropropane	9.10	63	10021	2.739	ug/l	98
46) Dibromomethane	9.19	93	6260	2.734	ug/l	98
47) Bromodichloromethane	9.39	83	12865	2.792	ug/l	99
48) Methyl methacrylate	9.19	41	9712	2.751	ug/l	92
49) 1,4-Dioxane	9.18	88	2265	43.562	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	60844	13.105	ug/l	97
52) Toluene	10.15	92	21197	2.570	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	13399	2.480	ug/l #	85
54) cis-1,3-Dichloropropene	9.83	75	14847	2.605	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	9291	2.853	ug/l	97
56) Ethyl methacrylate	10.42	69	10107	2.142	ug/l	89
57) 1,3-Dichloropropane	10.70	76	14618	2.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	39635	28.756	ug/l	98
59) 2-Hexanone	10.75	43	44365	12.697	ug/l	98
60) Dibromochloromethane	10.90	129	9365	2.677	ug/l	97
61) 1,2-Dibromoethane	11.00	107	9139	2.709	ug/l	98
64) Tetrachloroethene	10.63	164	7895	2.160	ug/l	96
65) Chlorobenzene	11.43	112	28942	3.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	10260	2.963	ug/l	92
67) Ethyl Benzene	11.51	91	49355	2.927	ug/l	100
68) m/p-Xylenes	11.62	106	34839	5.503	ug/l	95
69) o-Xylene	11.95	106	16902	2.804	ug/l	95
70) Styrene	11.96	104	25583	2.649	ug/l	99
71) Bromoform	12.13	173	7747	2.831	ug/l #	97
73) Isopropylbenzene	12.25	105	38636	3.055	ug/l	99
74) N-amyl acetate	12.07	43	17517	3.392	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	13182	3.211	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	11940m	2.945	ug/l	
77) Bromobenzene	12.53	156	9467	2.956	ug/l	94
78) n-propylbenzene	12.59	91	43290	2.912	ug/l	97
79) 2-Chlorotoluene	12.67	91	25581	2.850	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	28919	2.702	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4351	2.913	ug/l	89
82) 4-Chlorotoluene	12.77	91	27158	2.921	ug/l	99
83) tert-Butylbenzene	12.99	119	24518	2.641	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	28807	2.747	ug/l	100
85) sec-Butylbenzene	13.17	105	34454	2.793	ug/l	100
86) p-Isopropyltoluene	13.29	119	29793	2.686	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	16590	2.911	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	17826	3.097	ug/l	91
89) n-Butylbenzene	13.62	91	28812	2.891	ug/l	99
90) Hexachloroethane	13.87	117	6461	3.023	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	16584	3.039	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3256	3.286	ug/l	77

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MSVOA_N
ClientSampleId :
VSTDICC005

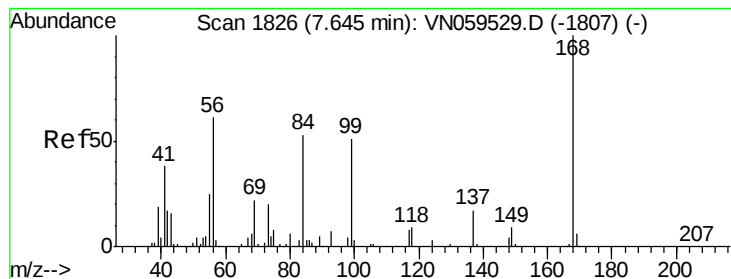
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:19:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10189	2.969	ug/l	96
94) Hexachlorobutadiene	15.01	225	5972	2.795	ug/l	96
95) Naphthalene	15.13	128	26132	2.597	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	10311	2.809	ug/l	97

(#) = 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: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 246423

Ion Ratio Lower Upper

168 100

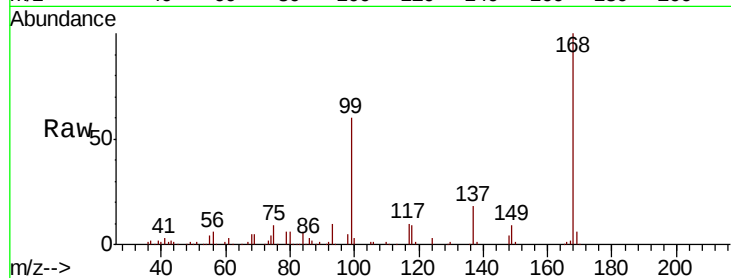
99 59.9 46.6 70.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

120000

100000

80000

60000

40000

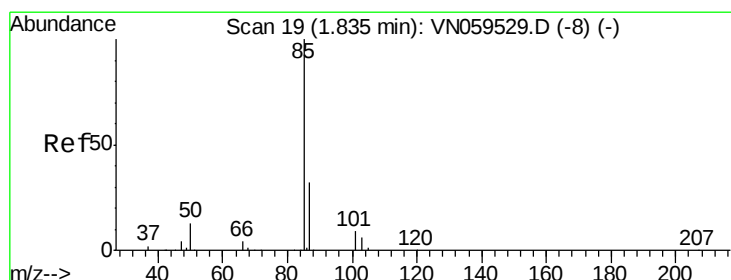
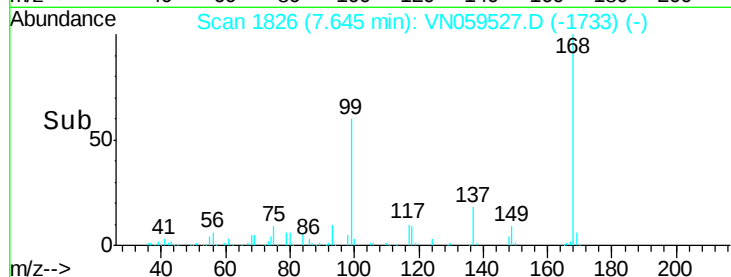
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.050 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059527.D

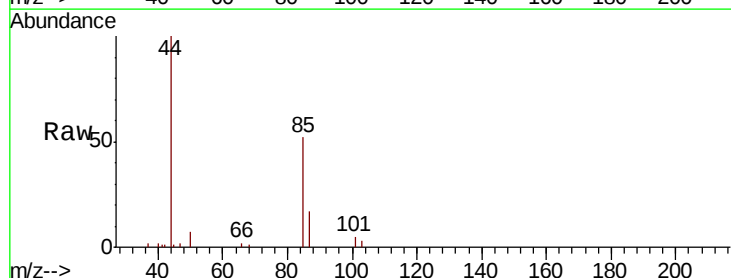
Acq: 9 Dec 2019 15:08

Tgt Ion: 85 Resp: 10983

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

8000

6000

4000

2000

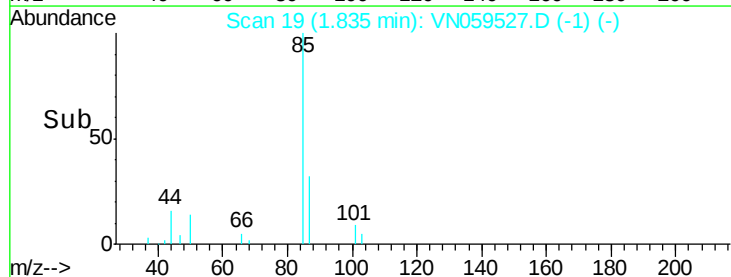
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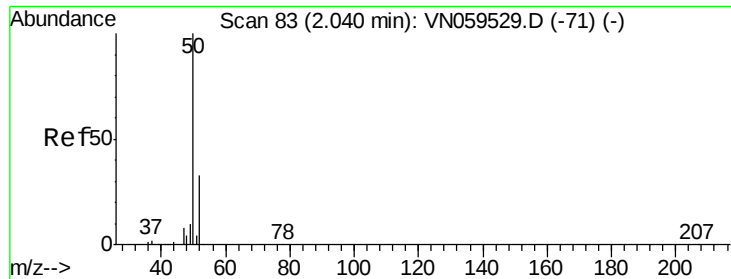
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 4.602 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17033

Ion Ratio Lower Upper

50 100

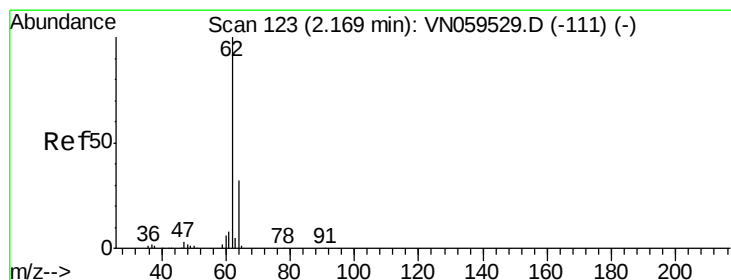
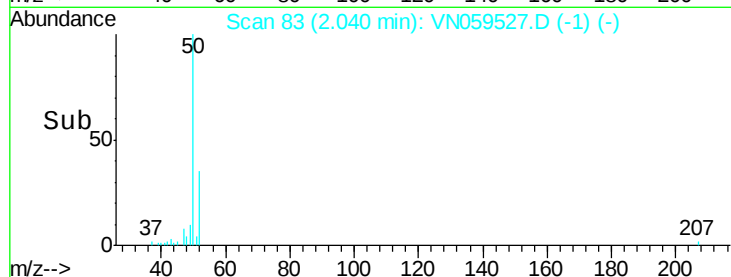
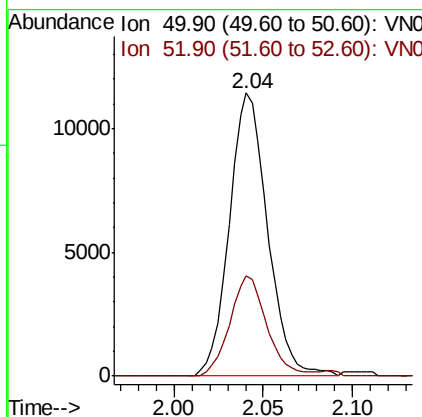
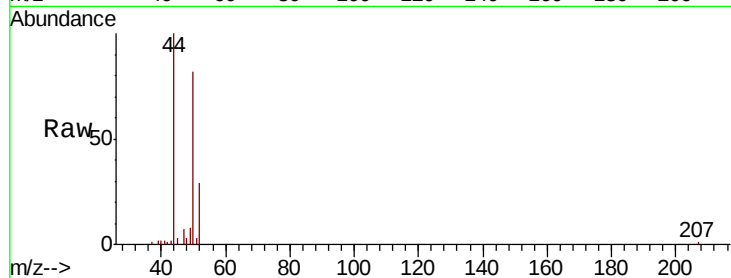
52 35.4 26.2 39.4

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#4

Vinyl Chloride

Concen: 5.887 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059527.D

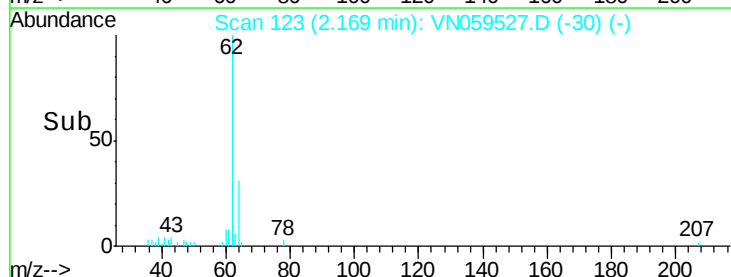
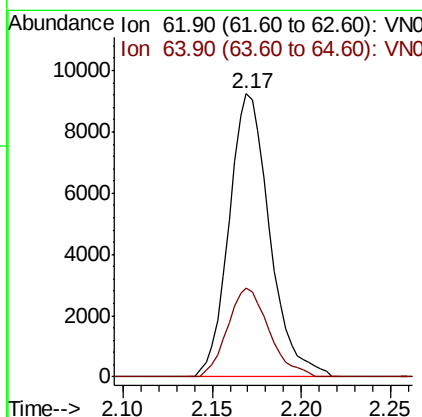
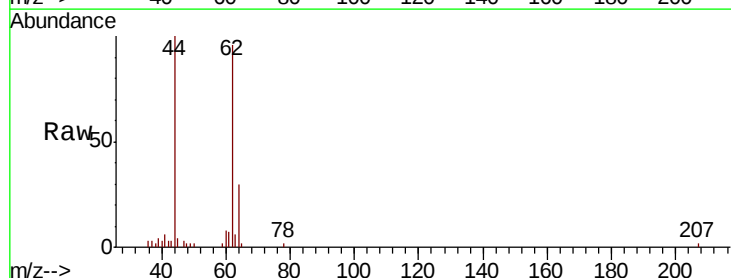
Acq: 9 Dec 2019 15:08

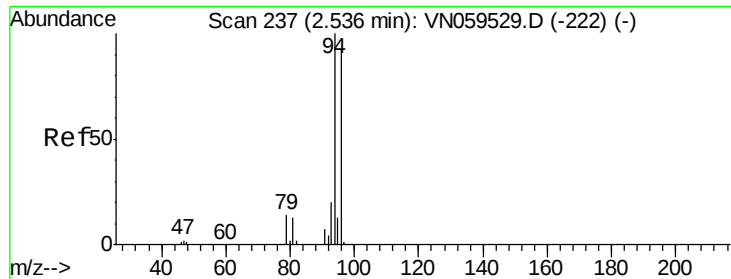
Tgt Ion: 62 Resp: 14685

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 5.816 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8928

Ion Ratio Lower Upper

94 100

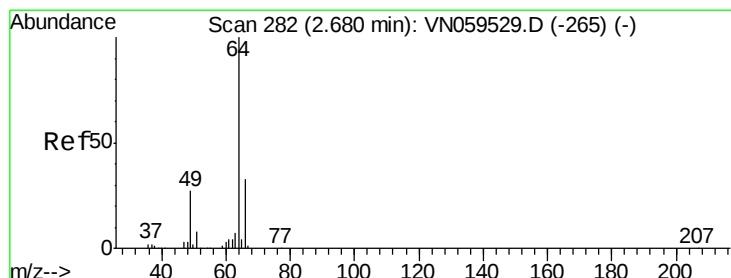
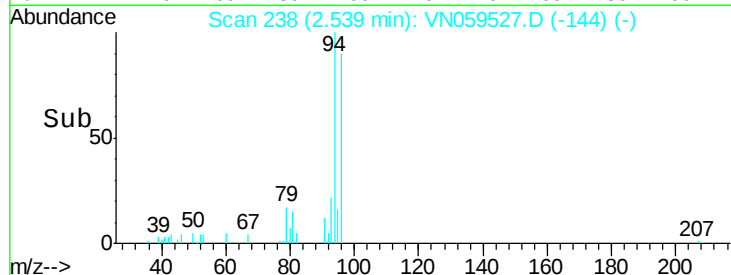
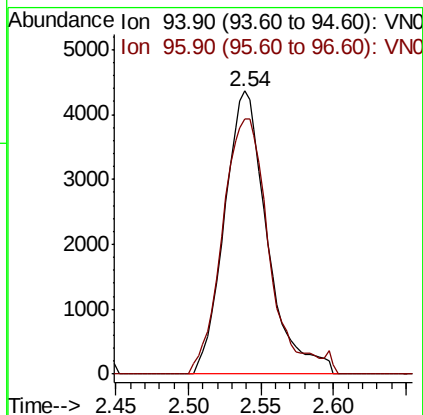
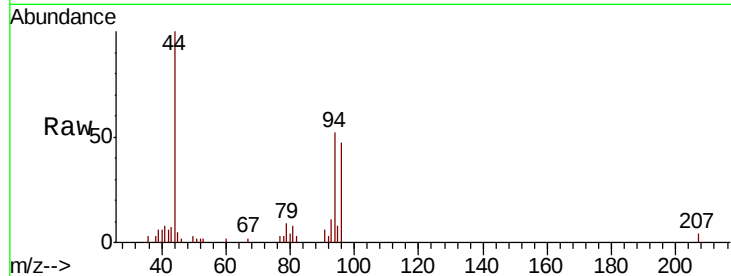
96 90.2 74.6 112.0

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#6

Chloroethane

Concen: 5.954 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059527.D

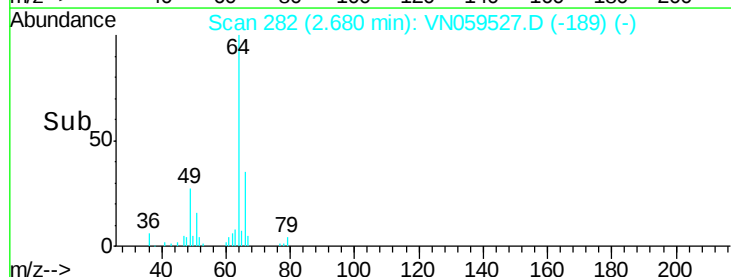
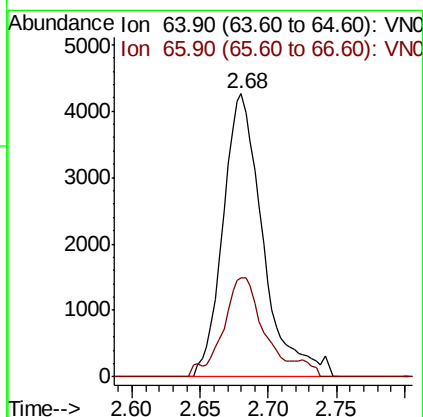
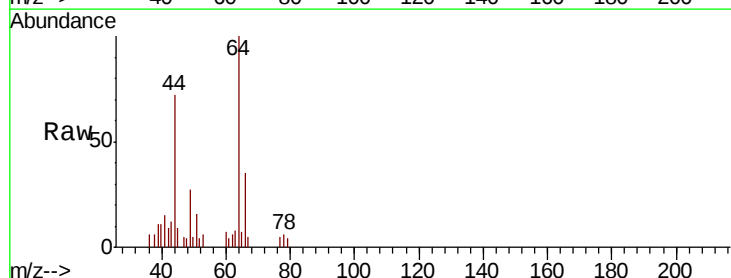
Acq: 9 Dec 2019 15:08

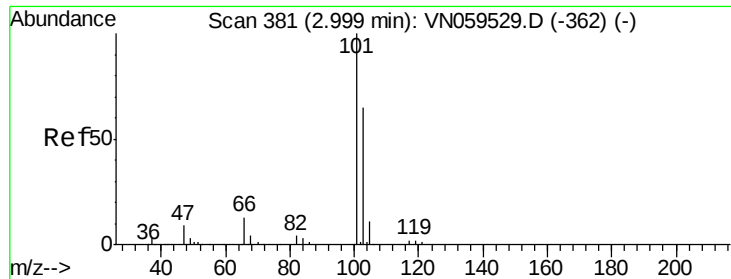
Tgt Ion: 64 Resp: 8677

Ion Ratio Lower Upper

64 100

66 35.0 26.7 40.1





#7

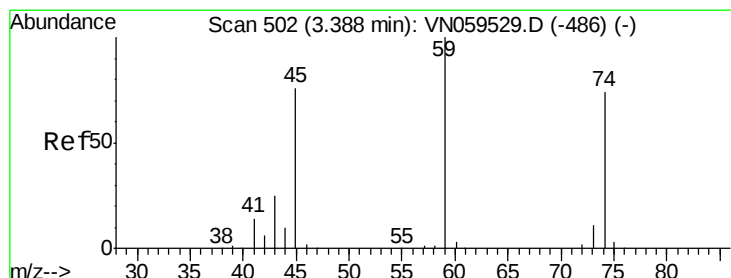
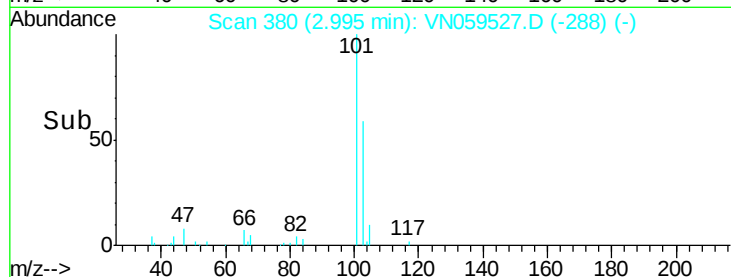
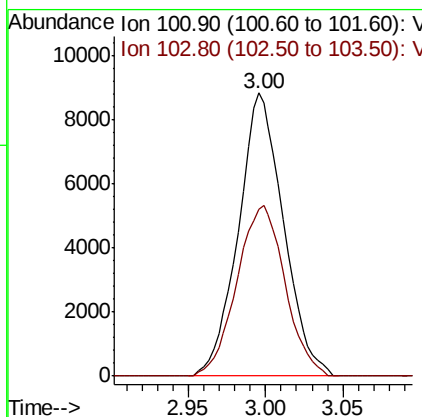
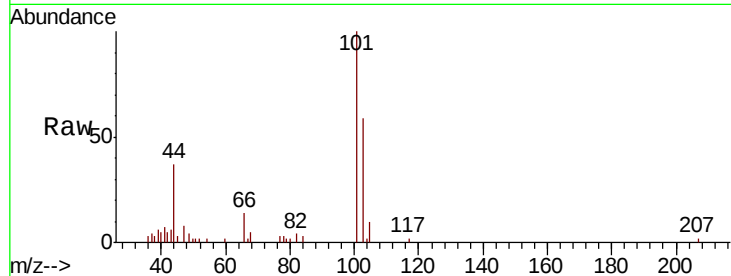
Trichlorofluoromethane
Concen: 6.023 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 17918
Ion Ratio Lower Upper
101 100
103 58.9 52.2 78.4

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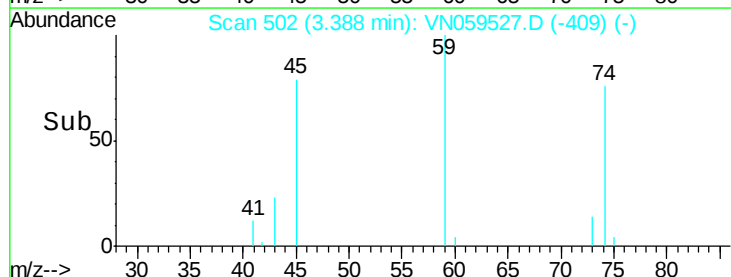
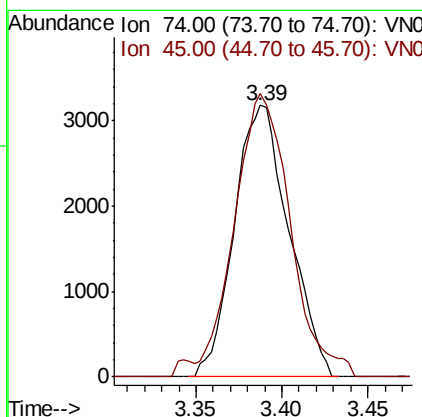
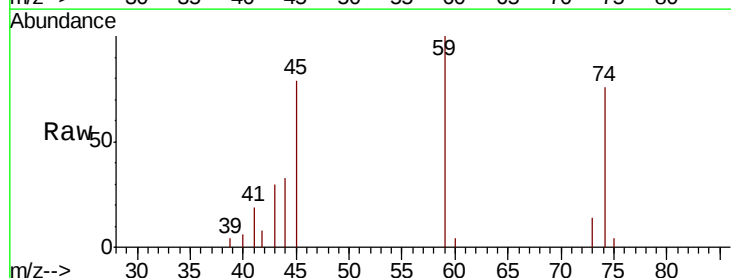
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12/10/2019 5:10:40 PM

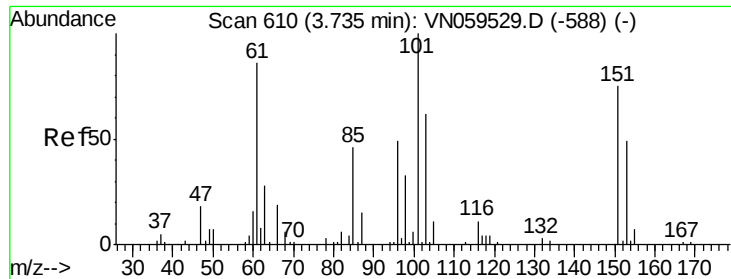


#8

Diethyl Ether
Concen: 4.159 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 74 Resp: 7016
Ion Ratio Lower Upper
74 100
45 106.8 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.088 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

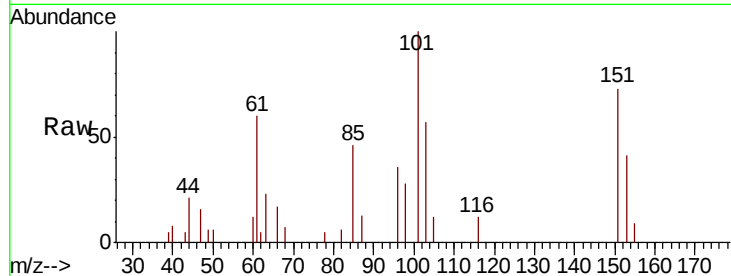
ClientSampleId :

VSTDIC005

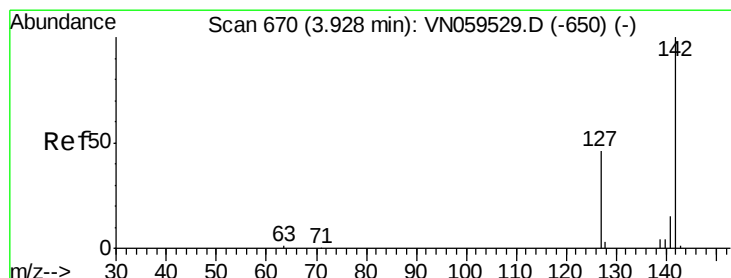
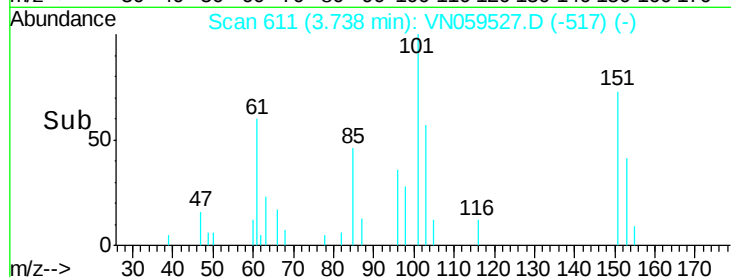
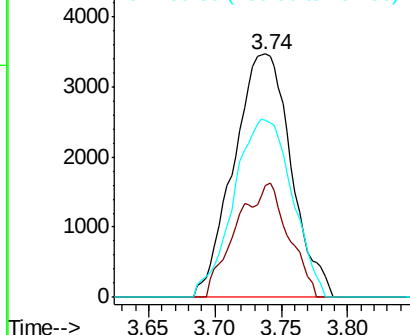
Tot Ion:	101	Resp:	10454
Ion Ratio	Lower	Upper	
101	100		
85	42.8	36.6	54.8
151	74.5	59.3	88.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.208 ug/l

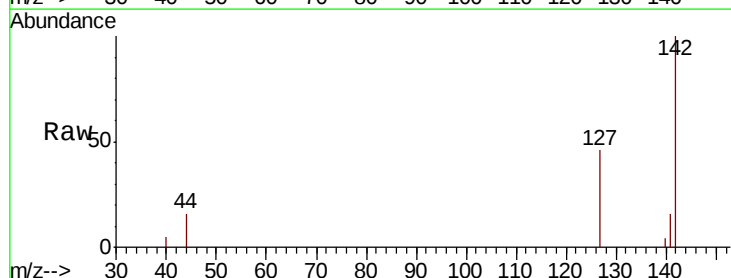
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

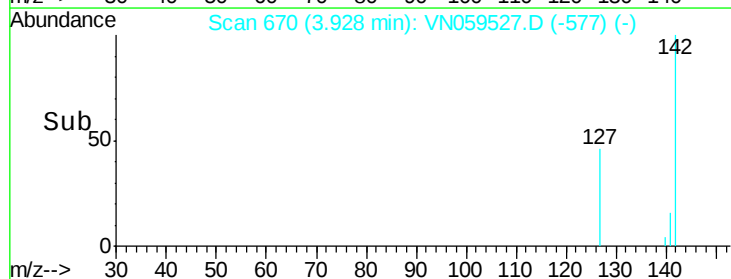
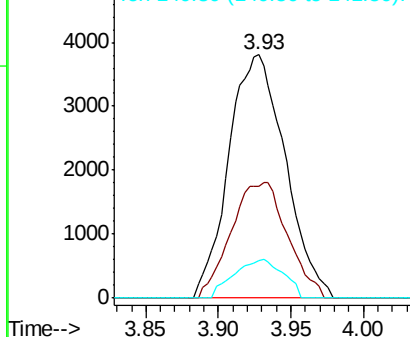
Lab File: VN059527.D

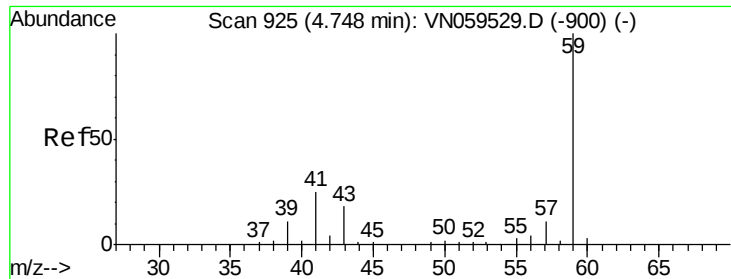
Acq: 9 Dec 2019 15:08

Tgt Ion:	142	Resp:	10295
Ion Ratio	Lower	Upper	
142	100		
127	47.3	36.6	54.8
141	13.8	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





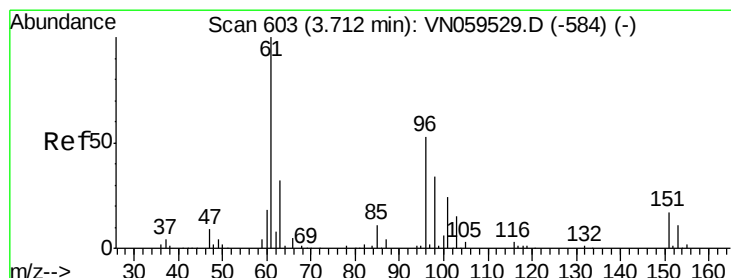
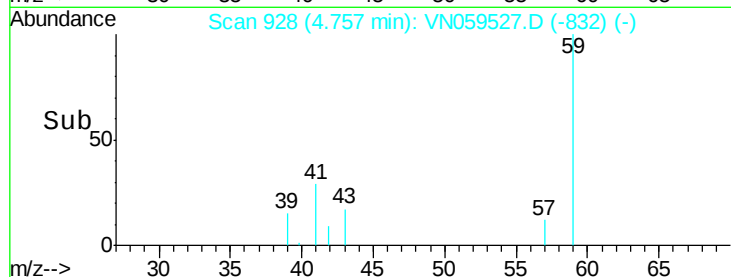
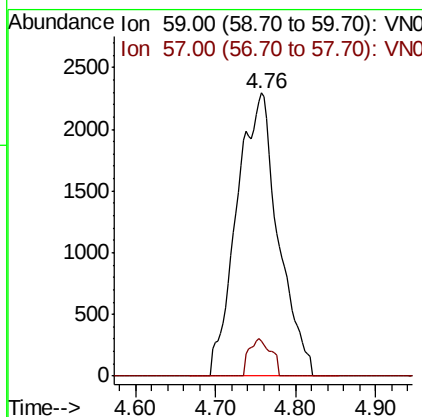
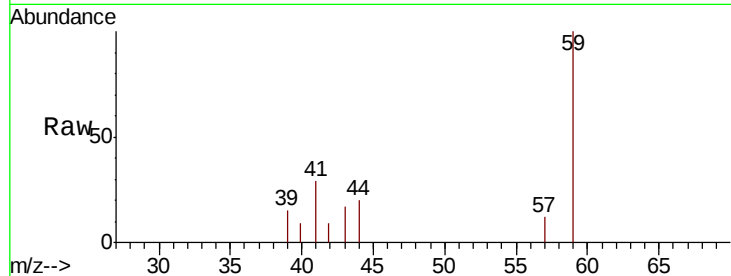
#11
Tert butyl alcohol
Concen: 14.801 ug/l m
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 8284
Ion Ratio Lower Upper
59 100
57 7.0 8.6 13.0#

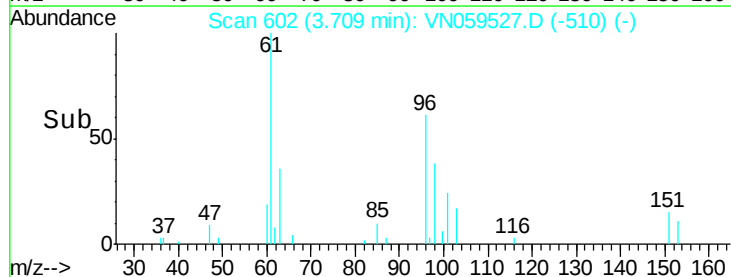
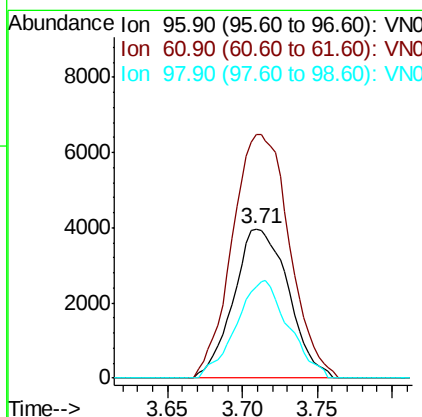
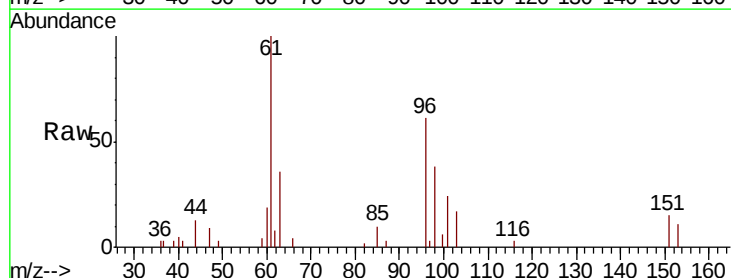
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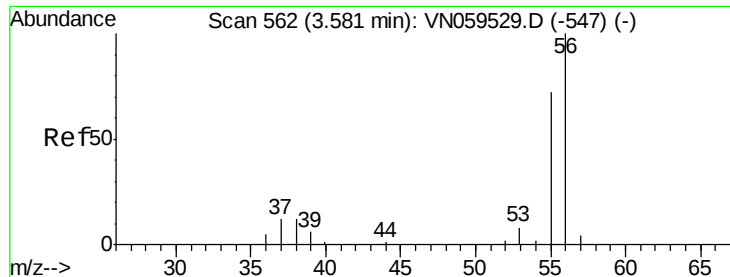
apatel
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#12
1,1-Dichloroethene
Concen: 4.075 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 96 Resp: 10109
Ion Ratio Lower Upper
96 100
61 163.4 149.8 224.6
98 61.5 50.6 75.8





#13

Acrolein

Concen: 11.763 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5064

Ion Ratio Lower Upper

56 100

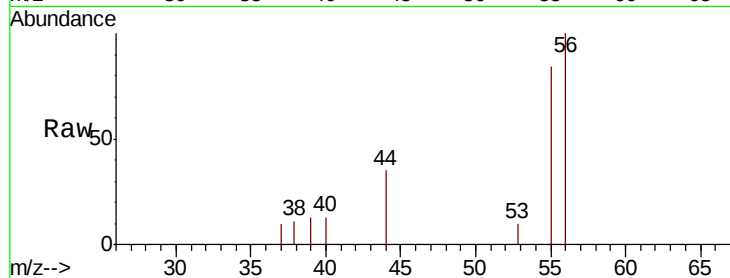
55 67.8 56.9 85.3

Manual Integrations

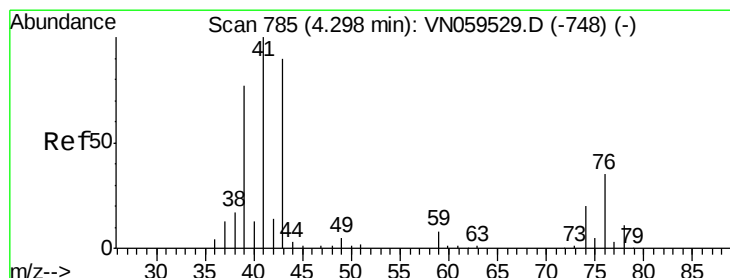
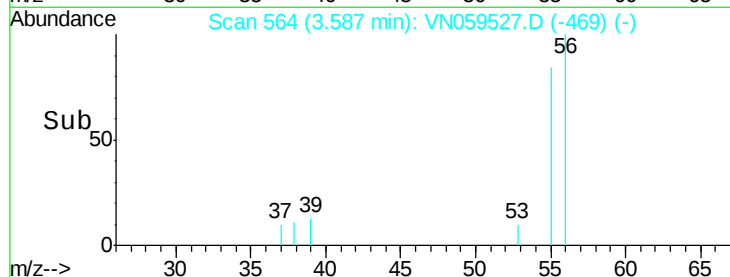
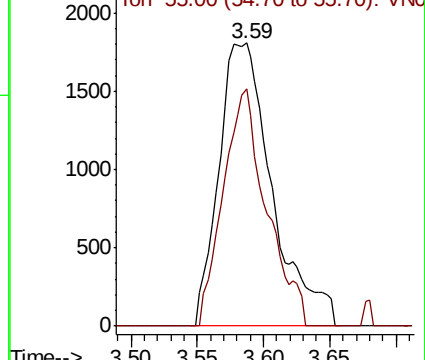
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Abundance Ion 56.00 (55.70 to 56.70): VN059527.D (-547) (-)



#14

Allyl chloride

Concen: 3.266 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

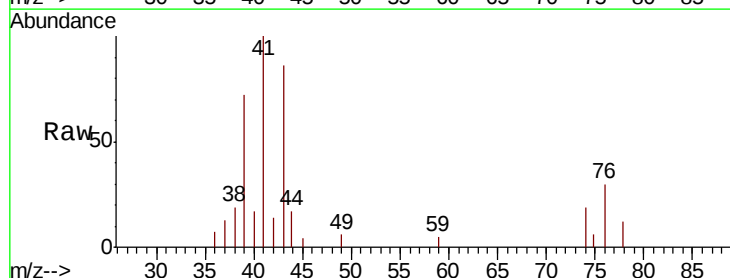
Tgt Ion: 41 Resp: 16092

Ion Ratio Lower Upper

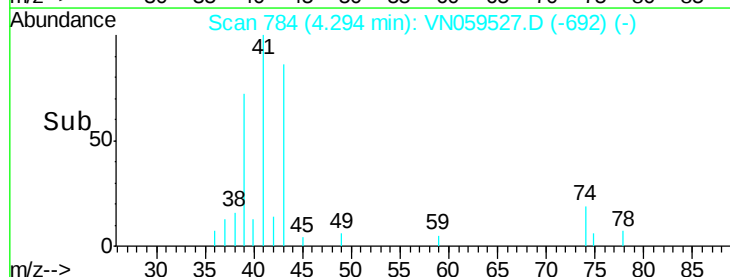
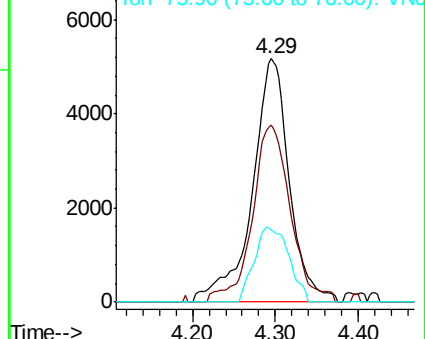
41 100

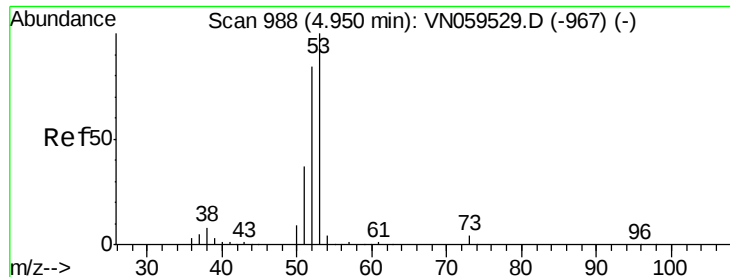
39 74.5 56.7 85.1

76 28.6 25.5 38.3



Abundance Ion 41.00 (40.70 to 41.70): VN059527.D (-692) (-)





#15

Acrylonitrile

Concen: 14.330 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

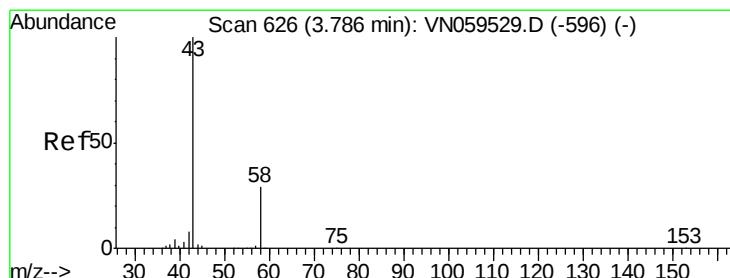
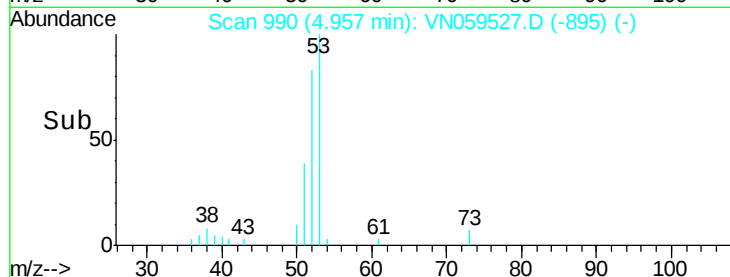
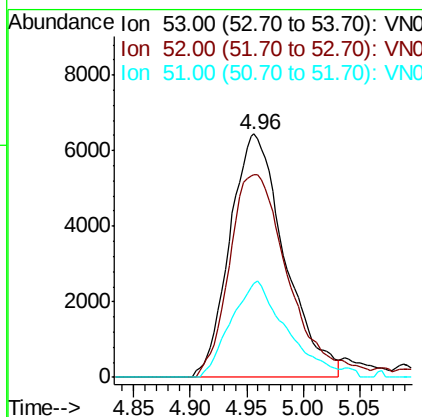
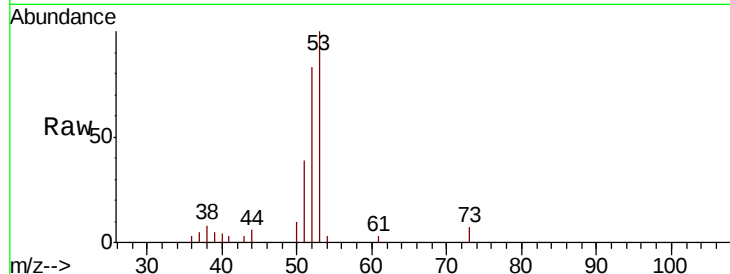
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	21730
Ion	Ratio	Lower	Upper
53	100		
52	89.8	66.6	99.8
51	39.9	29.8	44.8

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#16

Acetone

Concen: 15.670 ug/l

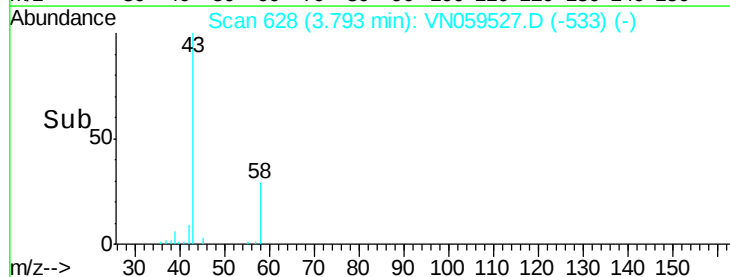
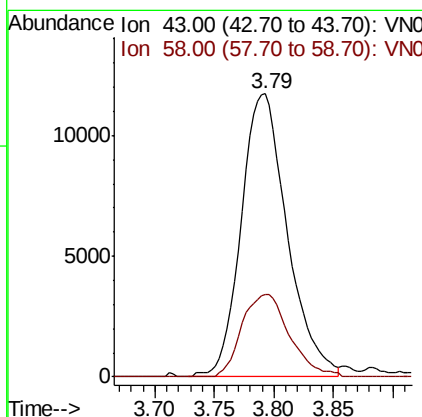
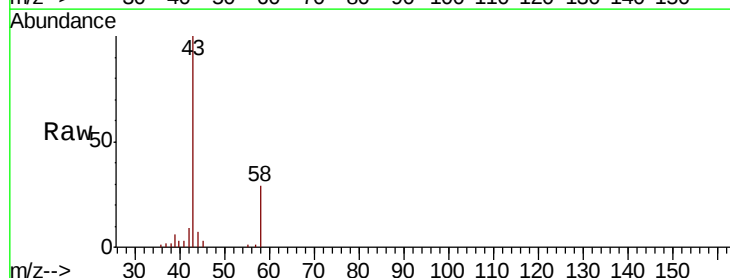
RT: 3.79 min Scan# 628

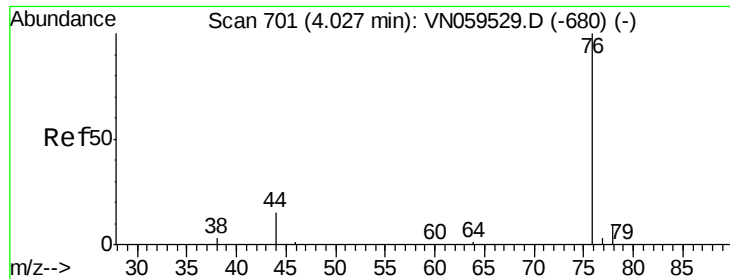
Delta R.T. 0.01 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion:	43	Resp:	31507
Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.0	34.4





#17

Carbon Disulfide

Concen: 3.537 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 30165

Ion Ratio Lower Upper

76 100

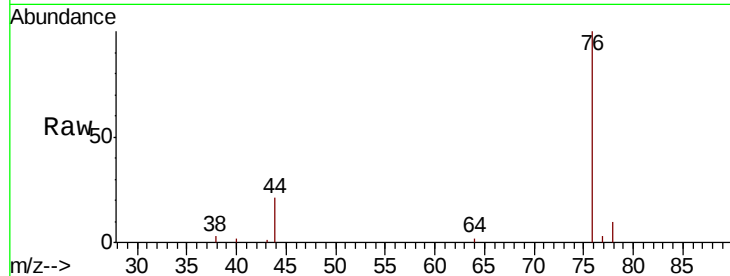
78 10.0 7.4 11.2

Manual Integrations

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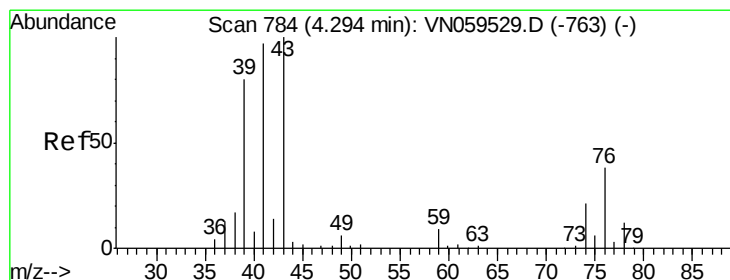
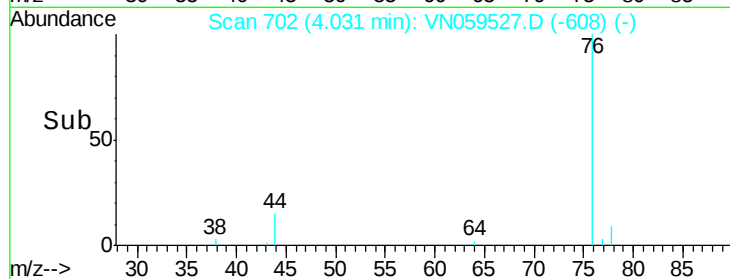
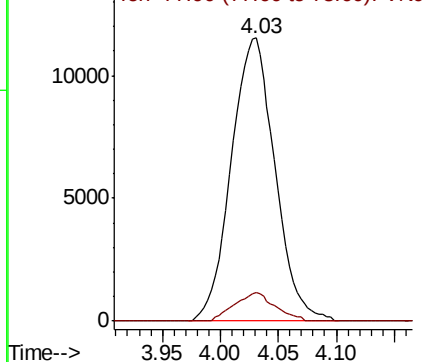
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 3.700 ug/l m

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN059527.D

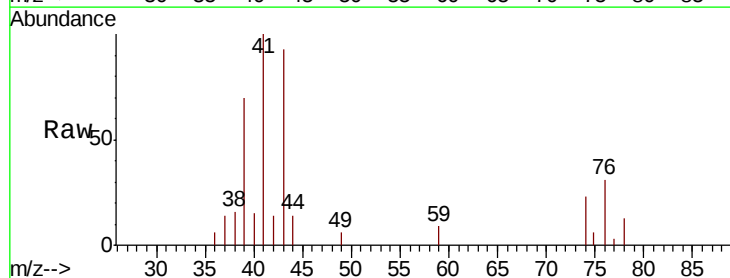
Acq: 9 Dec 2019 15:08

Tgt Ion: 43 Resp: 14918

Ion Ratio Lower Upper

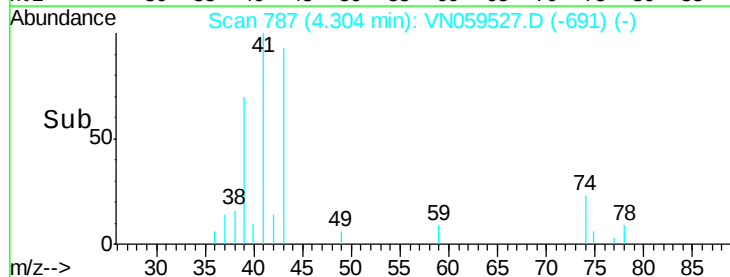
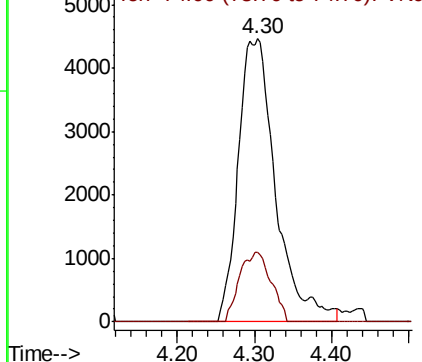
43 100

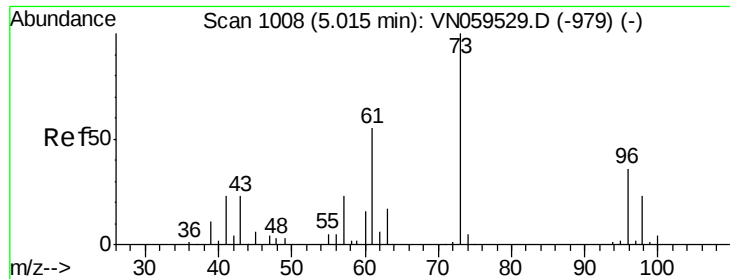
74 20.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





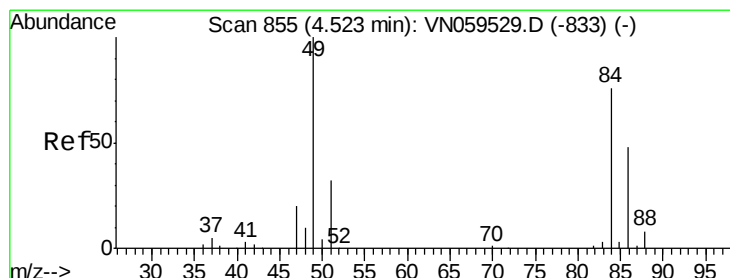
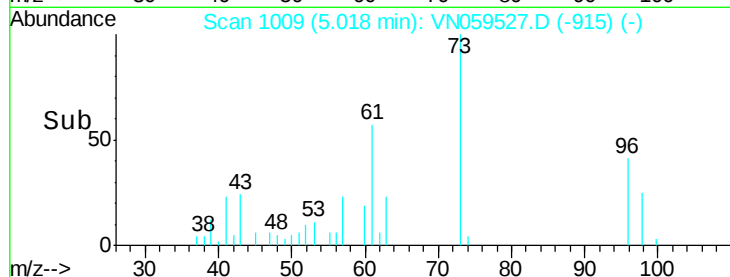
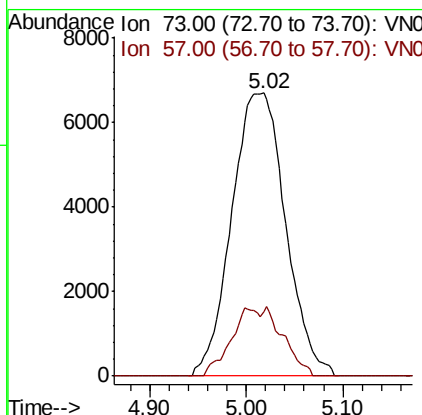
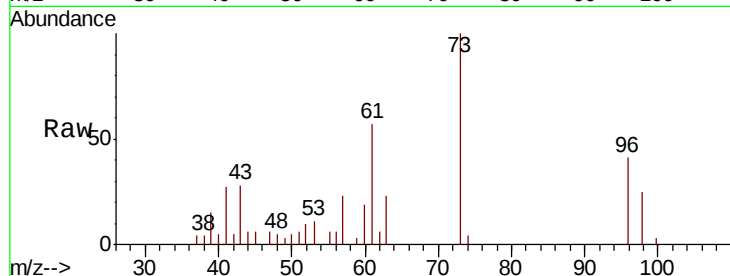
#19
Methvl tert-butvl Ether
Concen: 3.037 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 25923
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

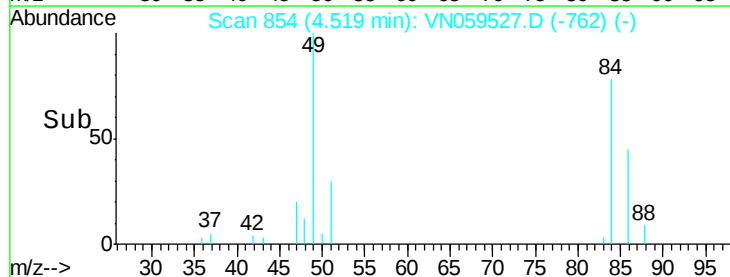
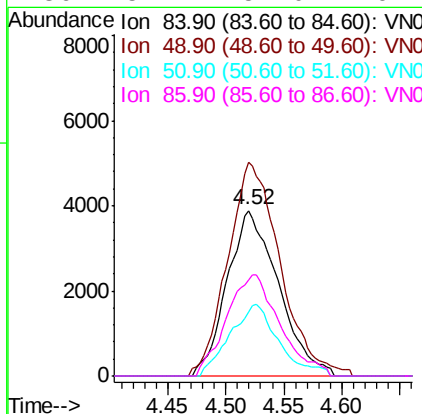
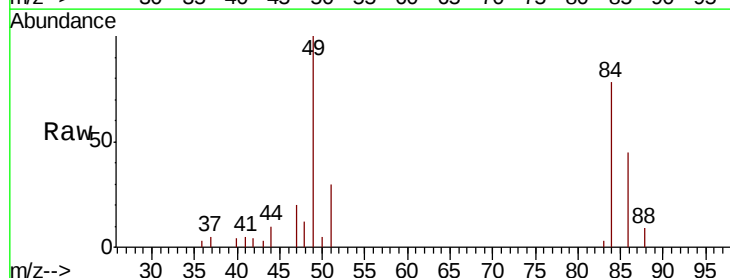
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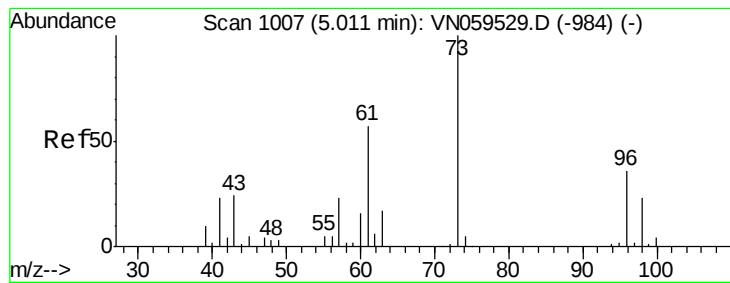
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#20
Methylene Chloride
Concen: 3.777 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 84 Resp: 11930
Ion Ratio Lower Upper
84 100
49 128.9 105.8 158.8
51 38.7 33.7 50.5
86 57.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 3.154 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 8805

Ion Ratio Lower Upper

96 100

61 132.6 124.8 187.2

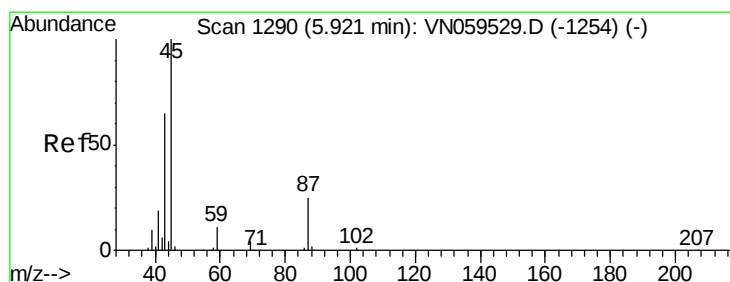
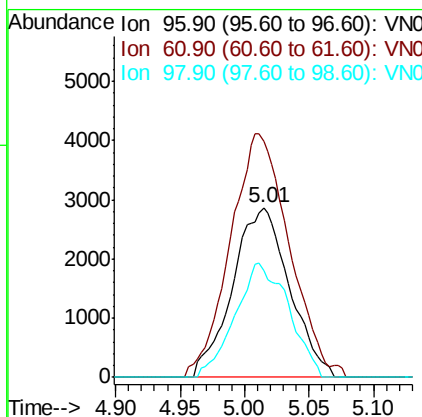
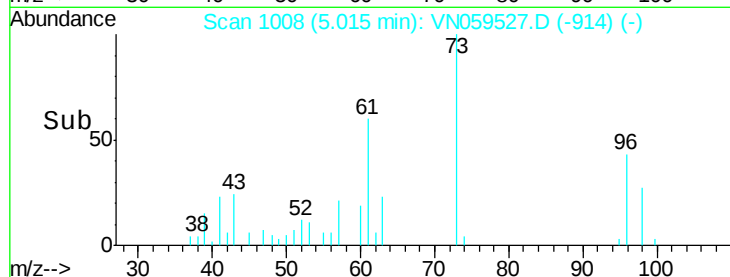
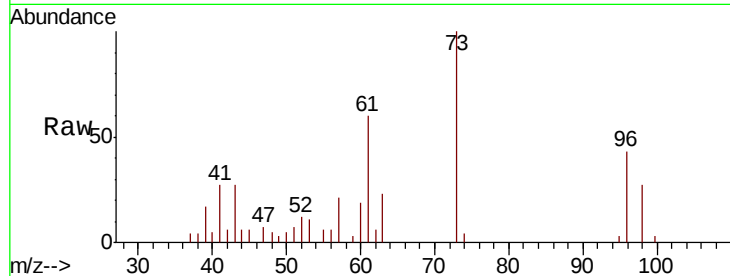
98 62.8 51.0 76.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 3.021 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion: 45 Resp: 27756

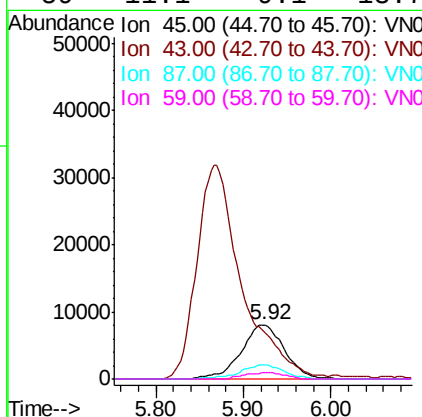
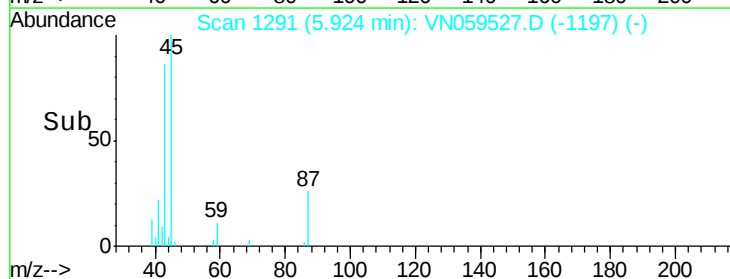
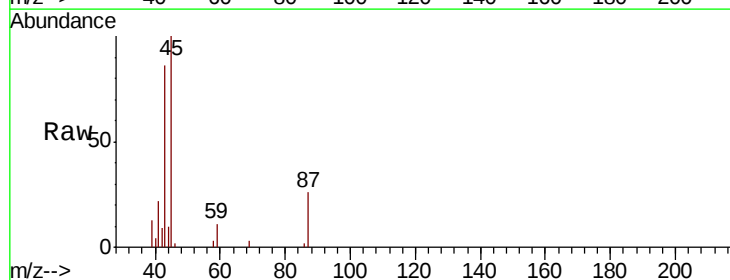
Ion Ratio Lower Upper

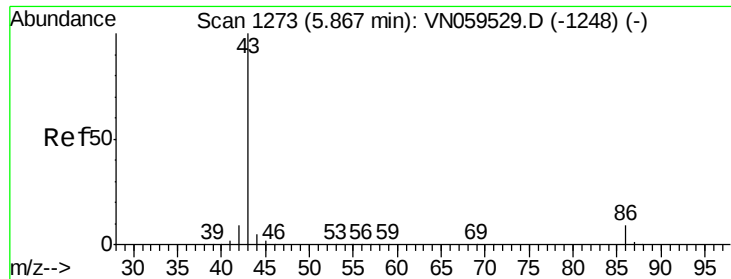
45 100

43 79.1 52.8 79.2

87 26.0 20.2 30.4

59 11.1 9.1 13.7





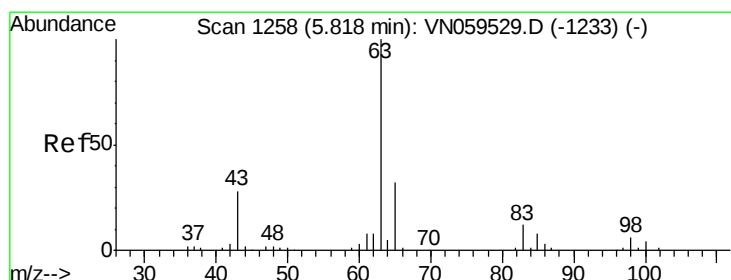
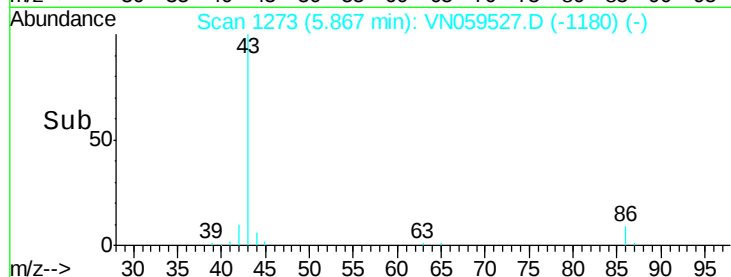
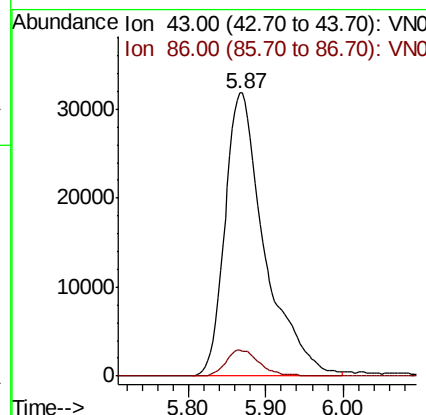
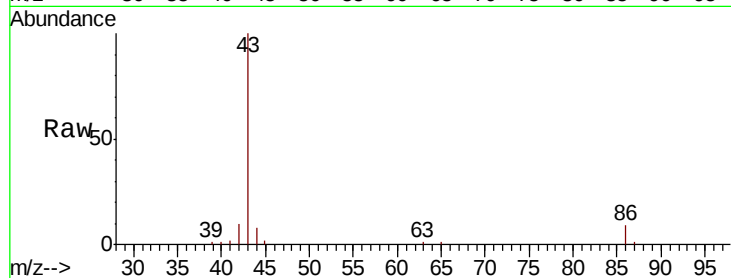
#23
 Vinyl Acetate
 Concen: 15.350 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	113700
Ion Ratio	100	Lower	Upper
43	100		
86	9.1	7.4	11.2

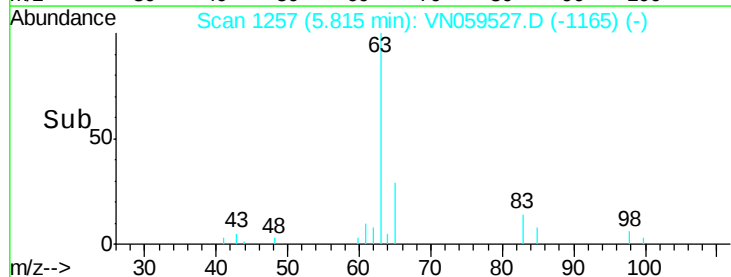
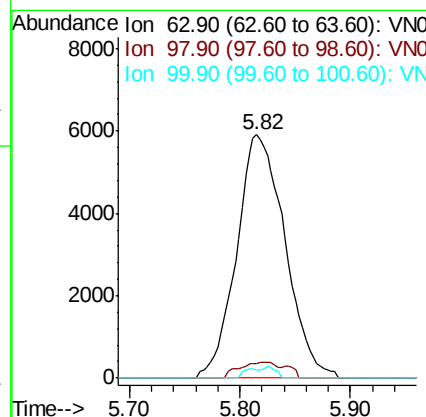
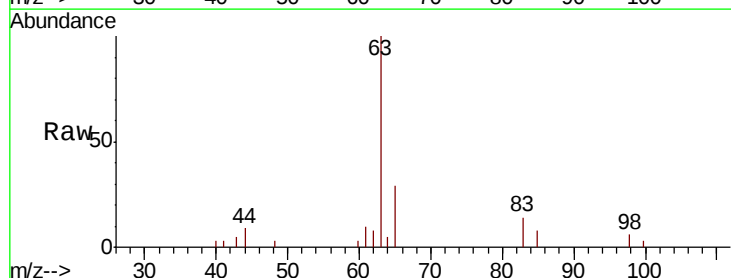
Manual Integrations
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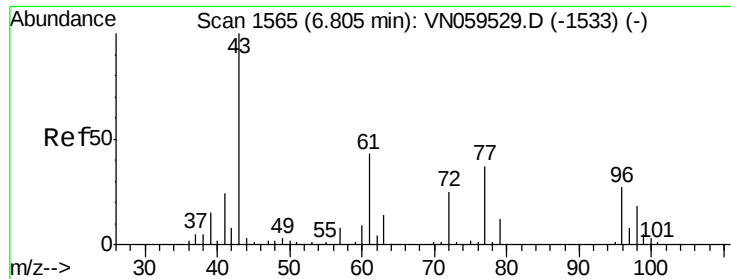
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#24
 1,1-Dichloroethane
 Concen: 3.444 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	63	Resp	17950
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	3.0	9.0
100	3.3	1.8	5.3





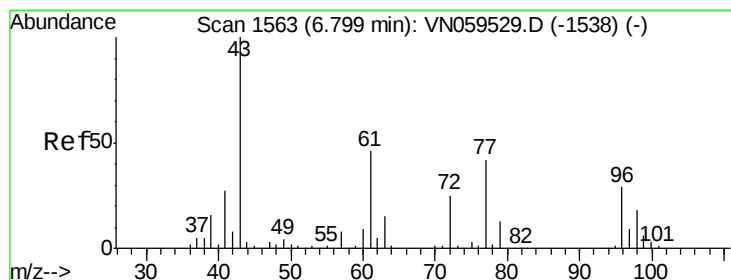
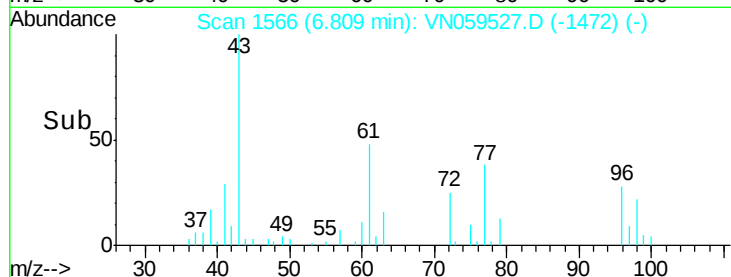
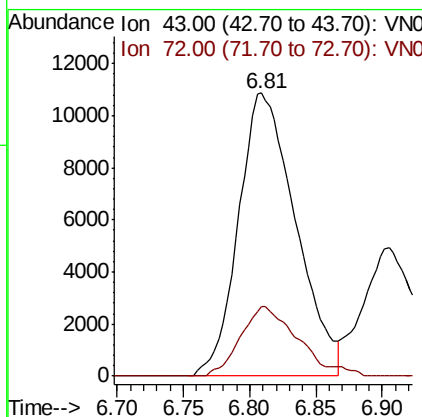
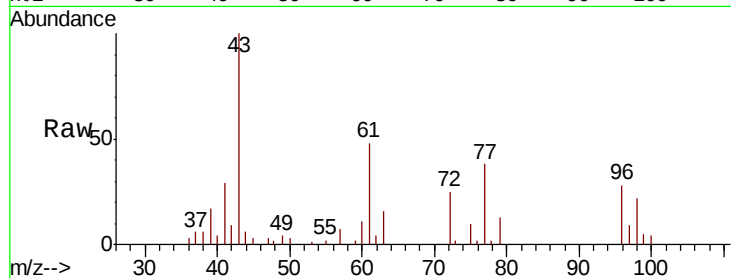
#25
2-Butanone
Concen: 14.392 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 32716
Ion Ratio Lower Upper
43 100
72 24.5 19.9 29.9

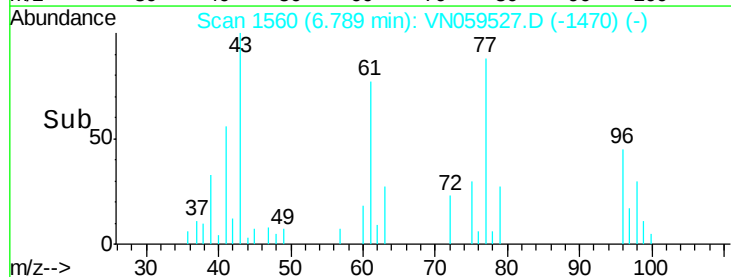
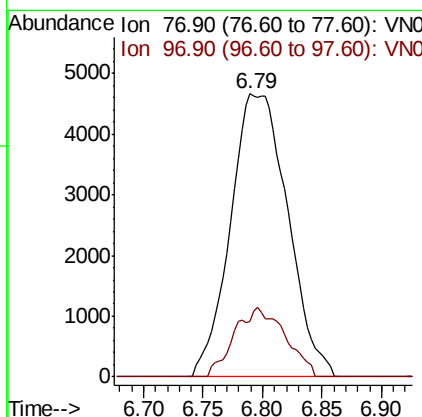
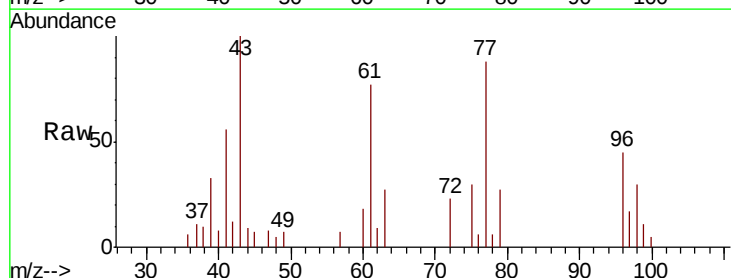
Manual Integrations
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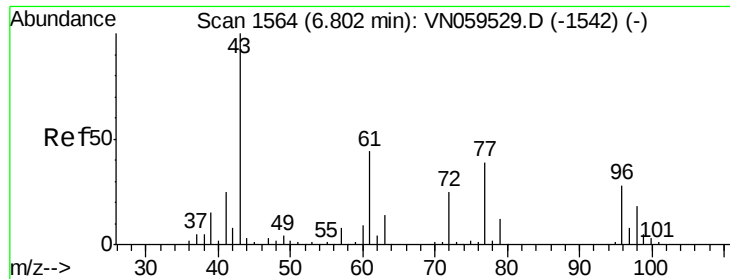
apatel
12/10/2019 5:10:40 PM



#26
2,2-Dichloropropane
Concen: 3.414 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion: 77 Resp: 15534
Ion Ratio Lower Upper
77 100
97 21.9 10.5 31.6





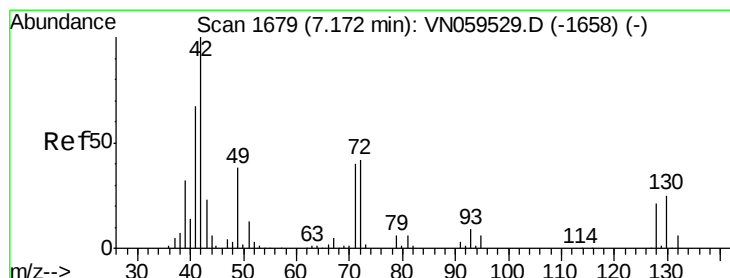
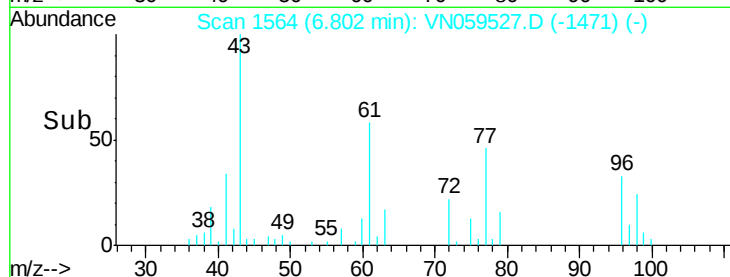
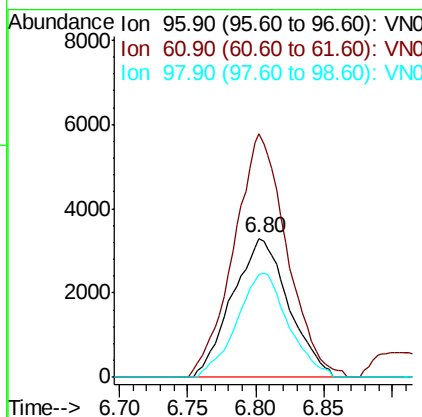
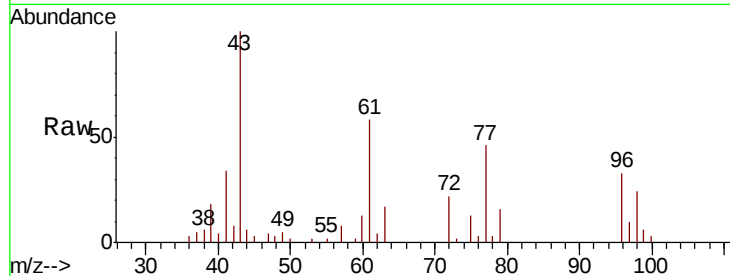
#27
 cis-1,2-Dichloroethene
 Concen: 3.032 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	320.0
98	68.9	0.0	128.6

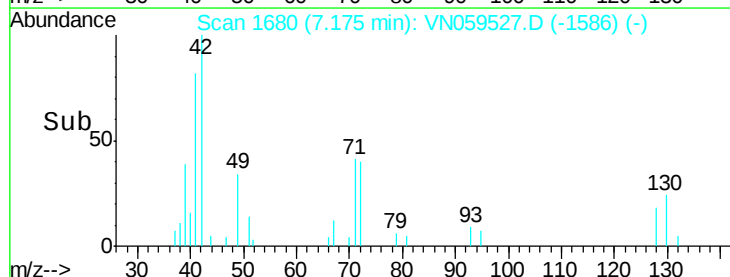
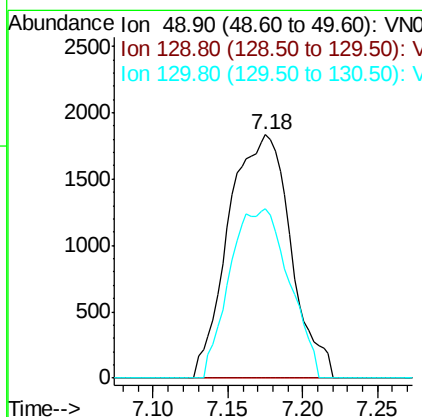
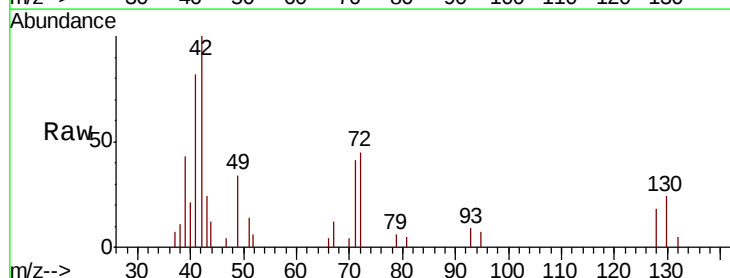
Manual Integrations
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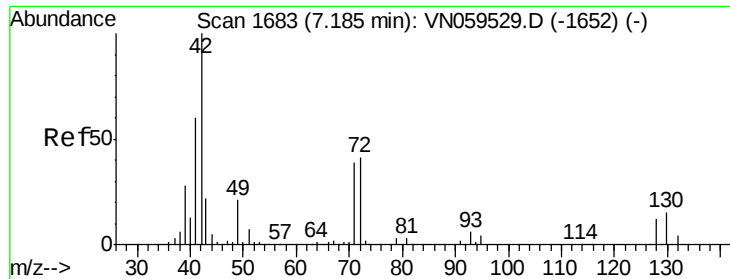
apatel
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#28
 Bromochloromethane
 Concen: 3.189 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	66.5	54.2	81.2





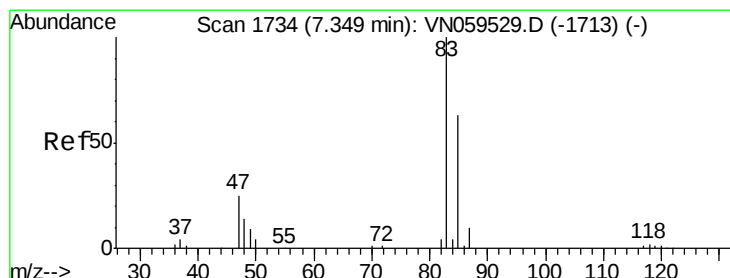
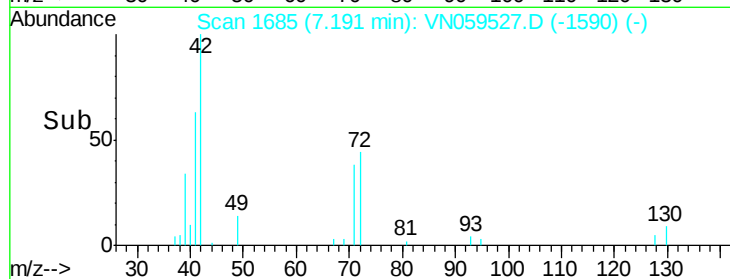
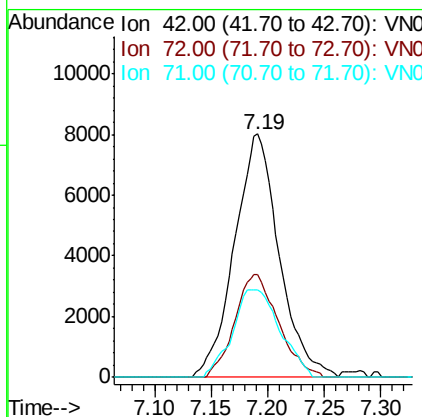
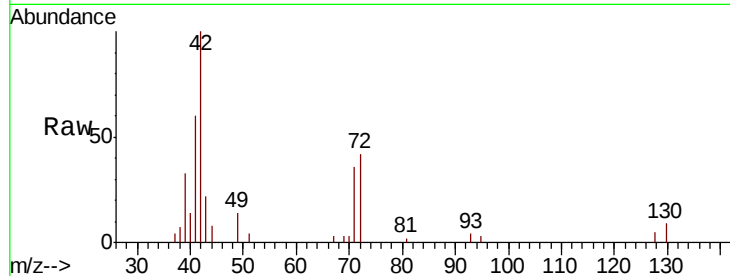
#29
Tetrahydrofuran
Concen: 15.381 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.7	49.1
71	38.1	31.4	47.2

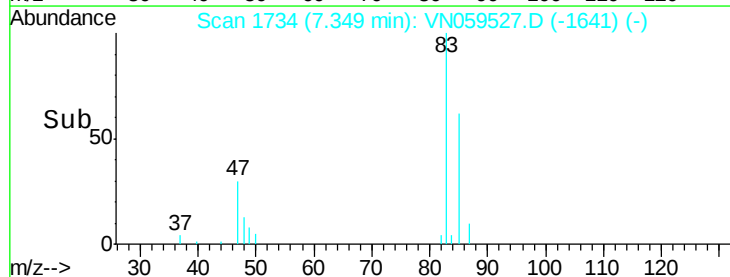
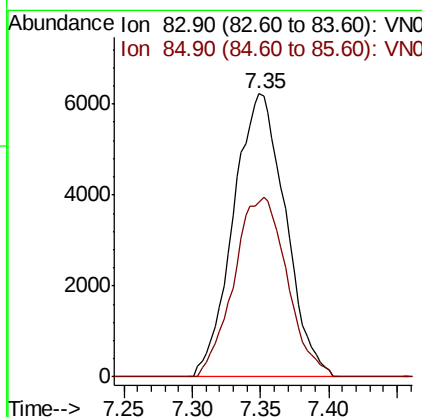
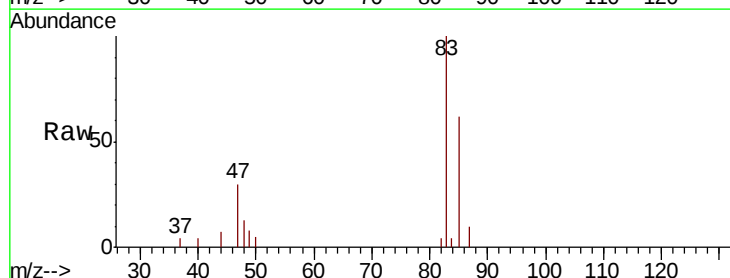
Manual Integrations
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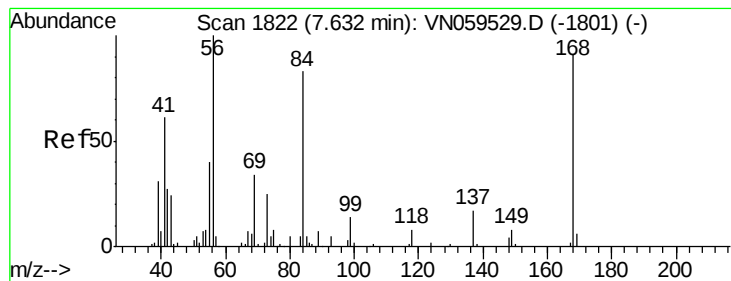
apatel
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#30
Chloroform
Concen: 3.252 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.6	75.8





#31

Cyclohexane

Concen: 3.856 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

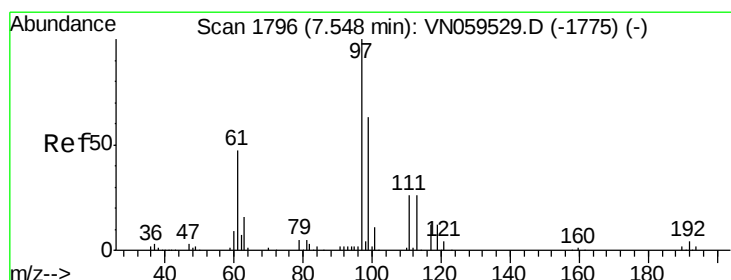
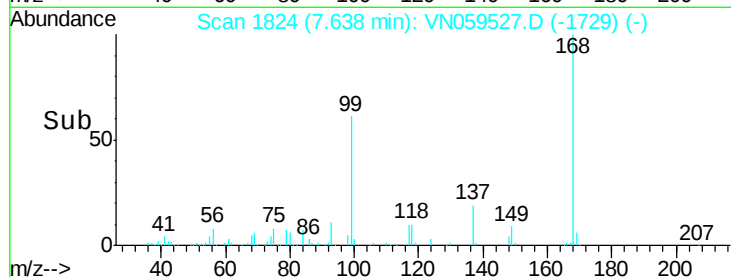
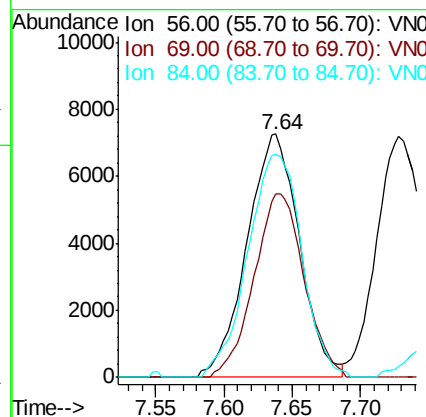
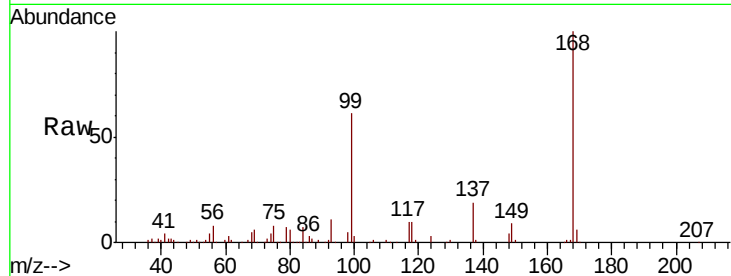
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	19346
Ion Ratio	Lower	Upper	
56	100		
69	75.4	26.9	40.3#
84	91.8	66.5	99.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 3.367 ug/l

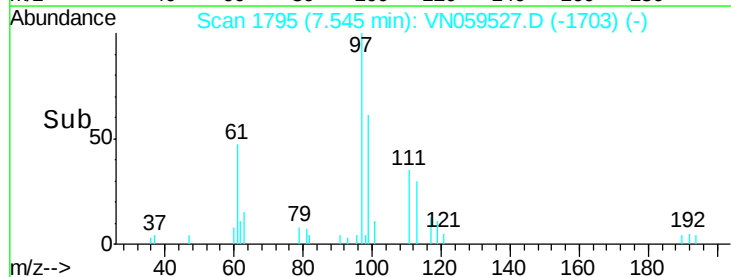
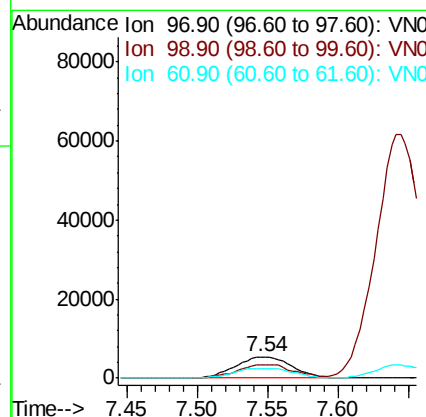
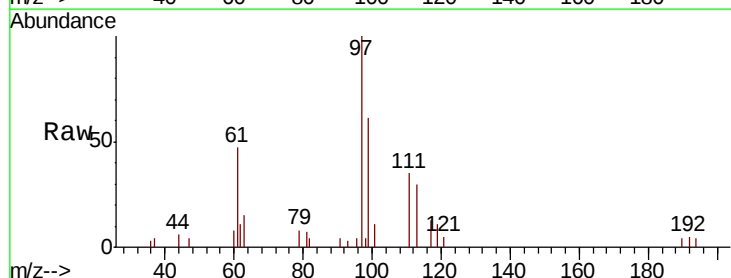
RT: 7.54 min Scan# 1795

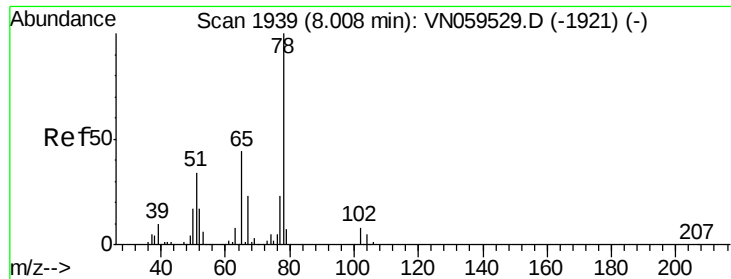
Delta R.T. -0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion:	97	Resp:	14889
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.4	77.2
61	49.2	38.5	57.7





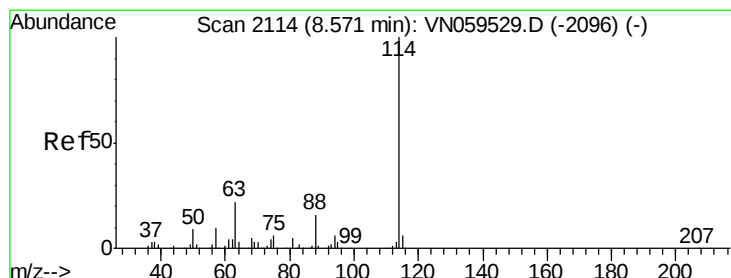
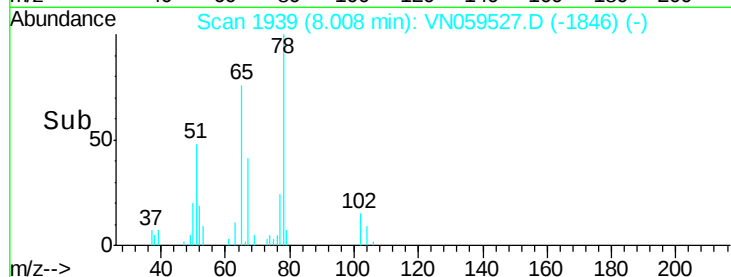
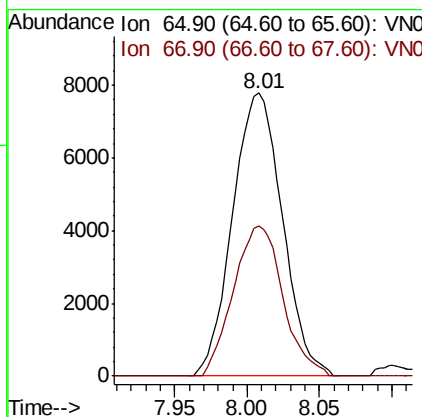
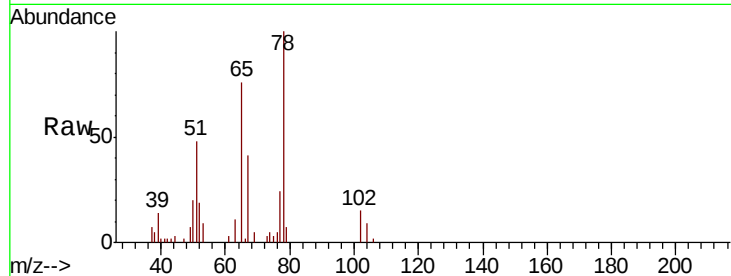
#33
 1,2-Dichloroethane-d4
 Concen: 6.083 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	18600		
67	52.6	0.0	103.6	

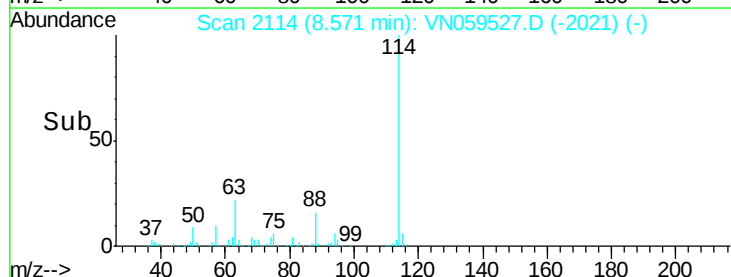
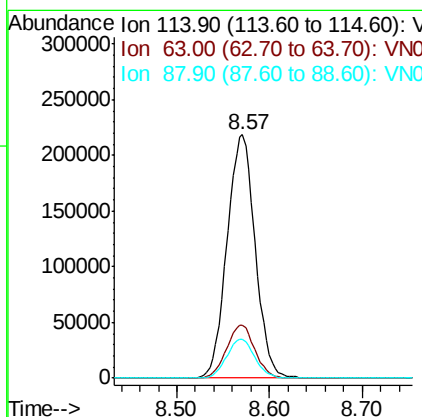
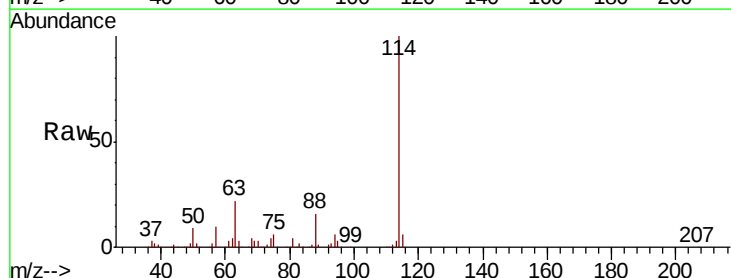
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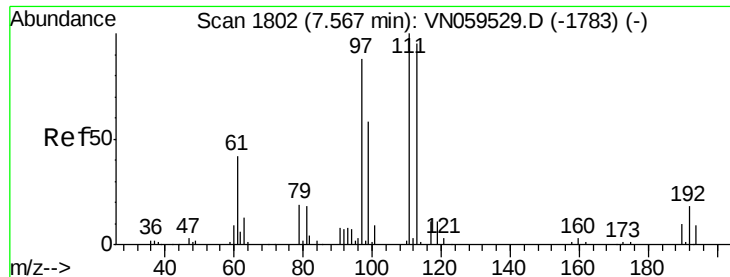
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	459988		
63	21.9	0.0	45.0	
88	15.8	0.0	32.2	





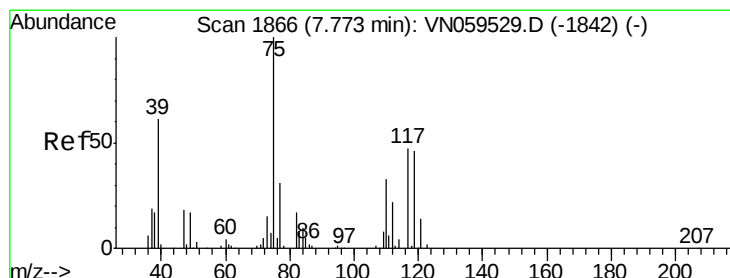
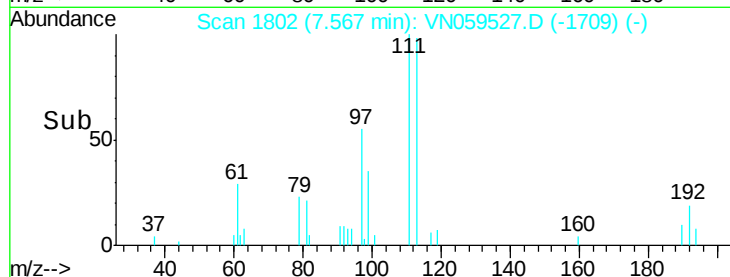
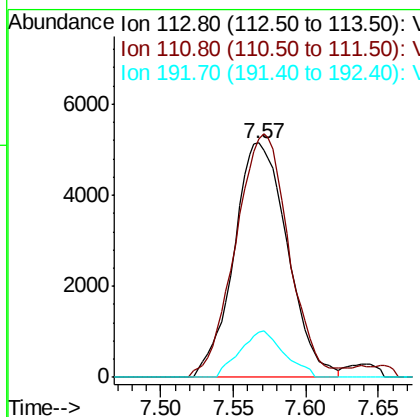
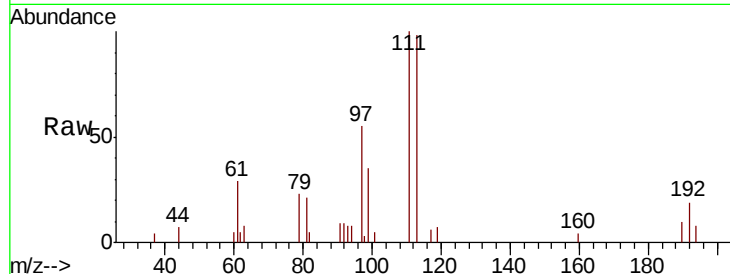
#35
 Dibromofluoromethane
 Concen: 4.733 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	16.4	14.8	22.2

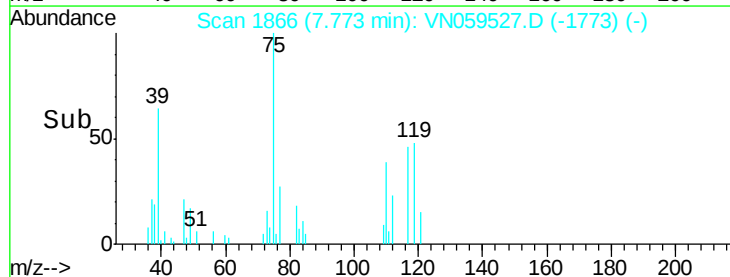
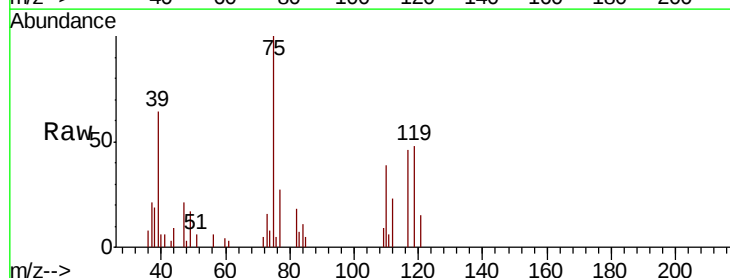
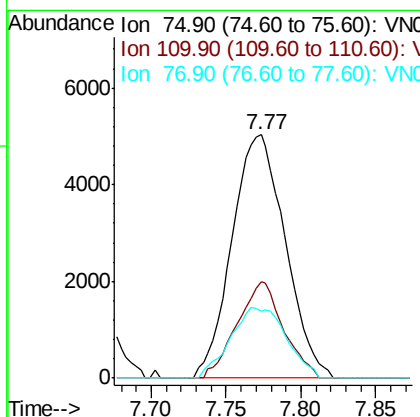
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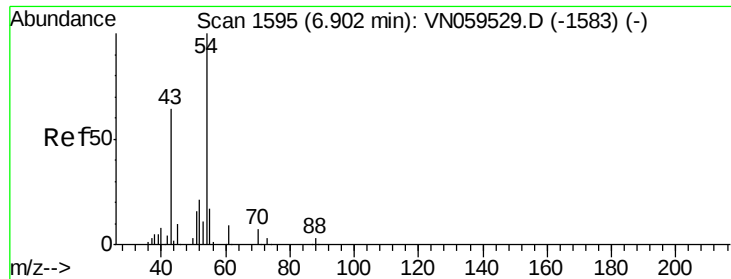
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#36
 1,1-Dichloropropene
 Concen: 2.661 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.7	50.0
77	30.5	24.6	37.0





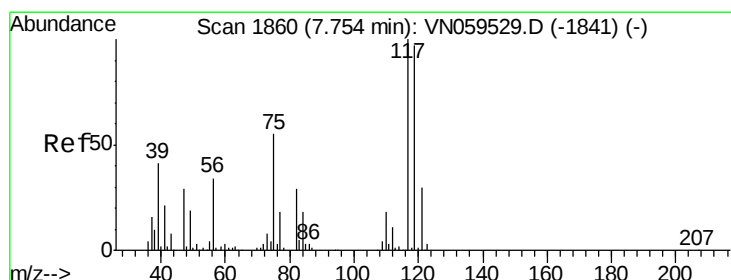
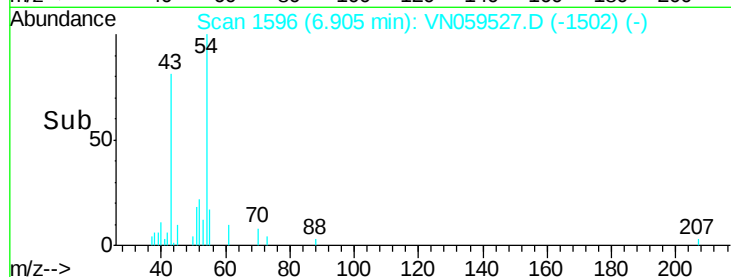
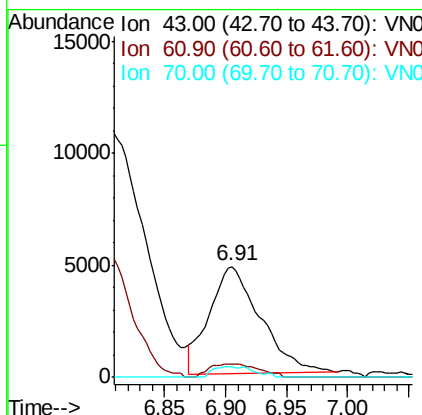
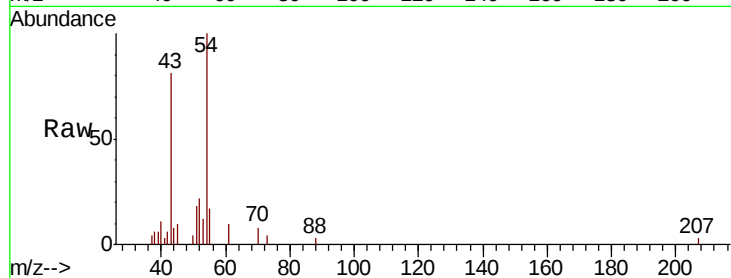
#37
Ethyl Acetate
Concen: 2.656 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.0	16.6
70	8.1	7.7	11.5

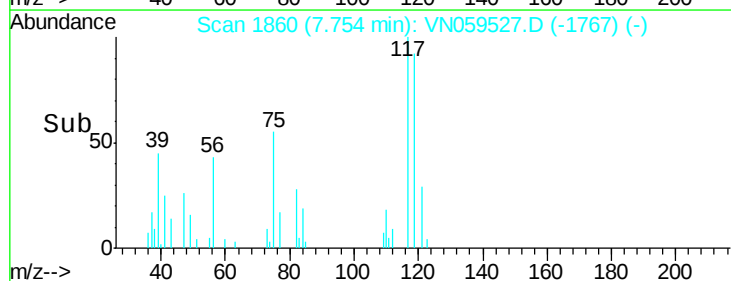
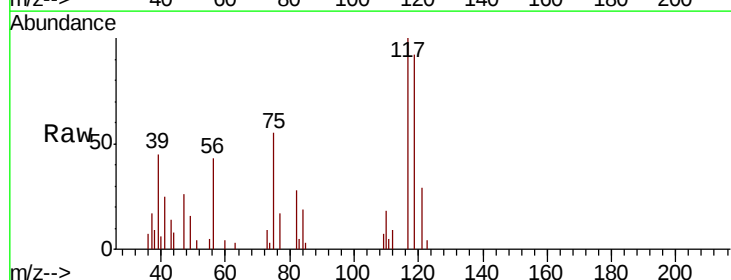
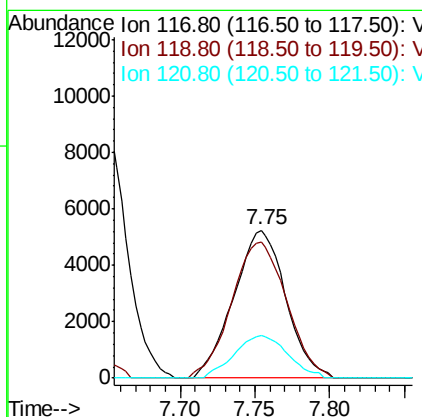
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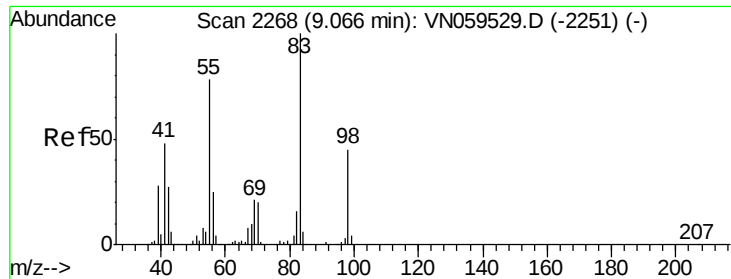
apatel
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#38
Carbon Tetrachloride
Concen: 2.808 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.0	115.4
121	29.3	24.1	36.1





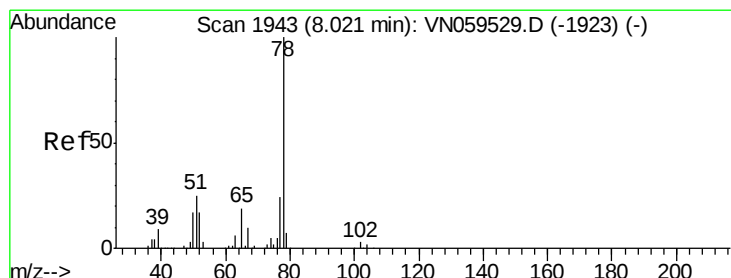
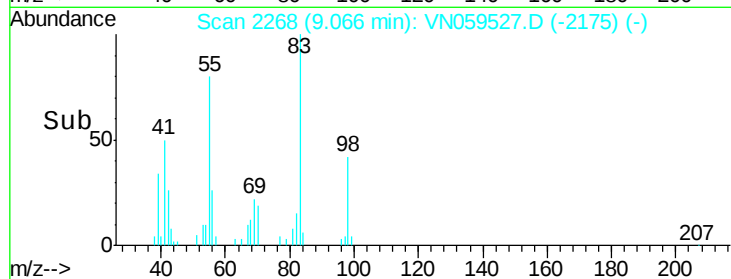
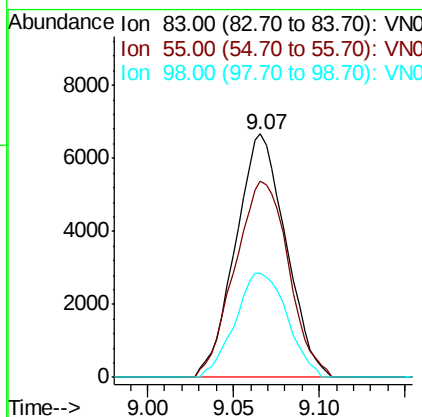
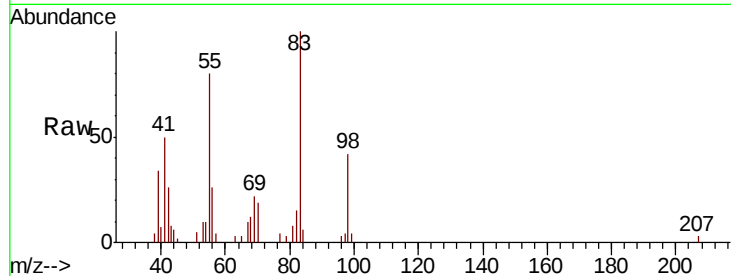
#39
Methvlcvclohexane
Concen: 2.411 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp	13493
Ion Ratio	Lower	Upper	
83	100		
55	80.5	62.7	94.1
98	42.5	35.7	53.5

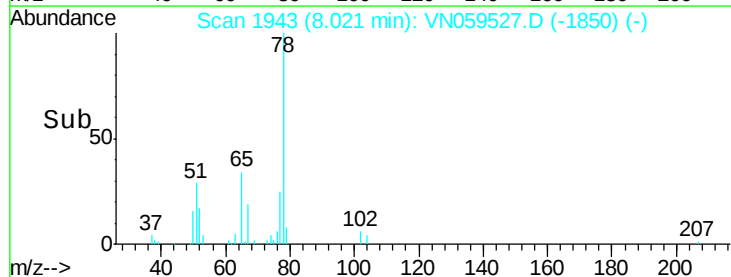
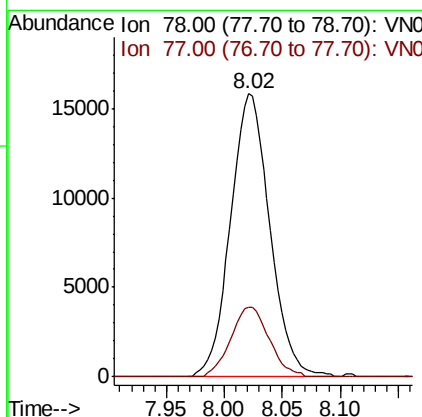
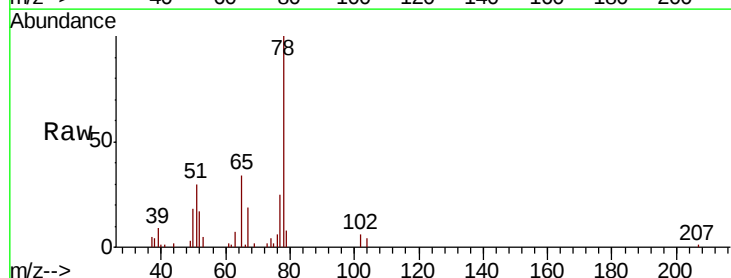
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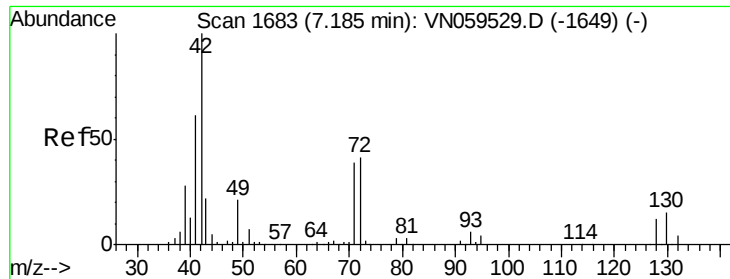
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#40
Benzene
Concen: 2.727 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	78.00	Resp	37271
Ion Ratio	Lower	Upper	
78	100		
77	24.8	18.8	28.2





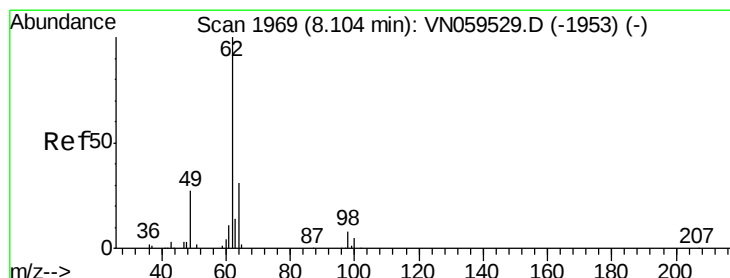
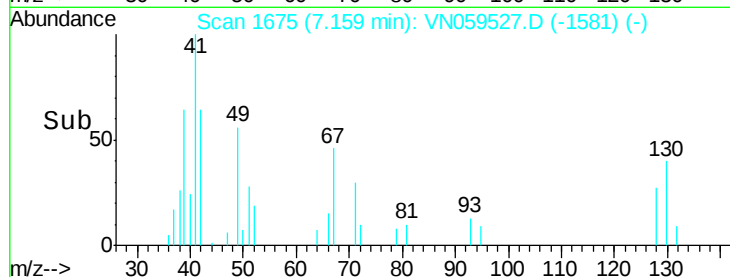
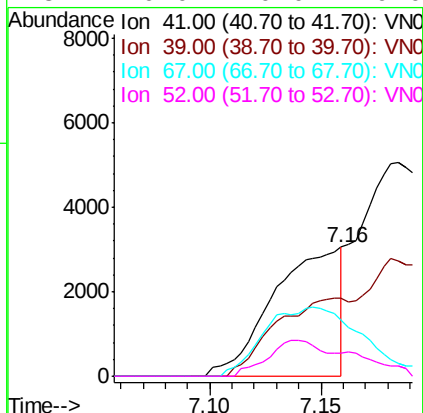
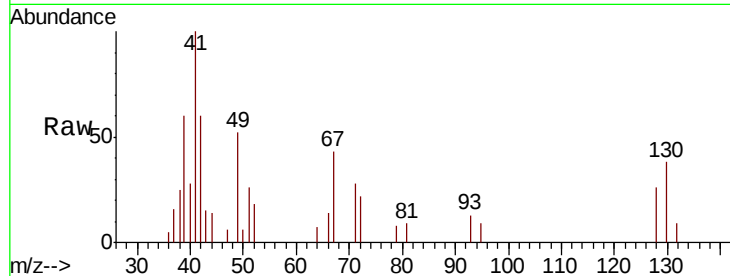
#41
Methacrylonitrile
Concen: 3.007 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	109.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

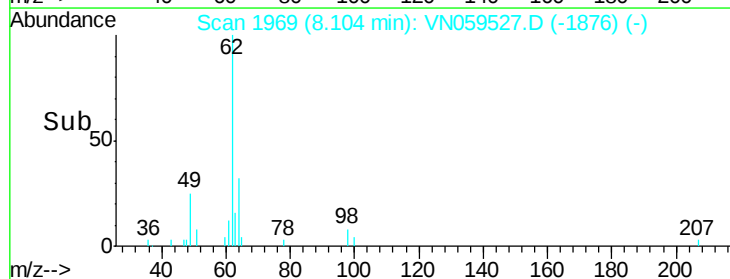
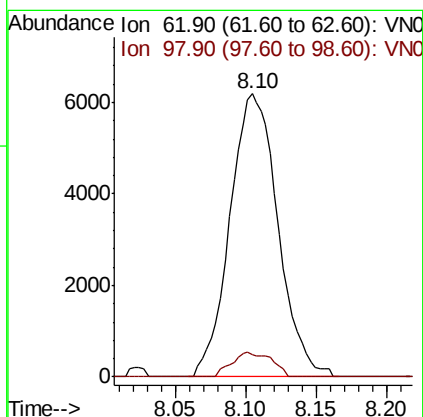
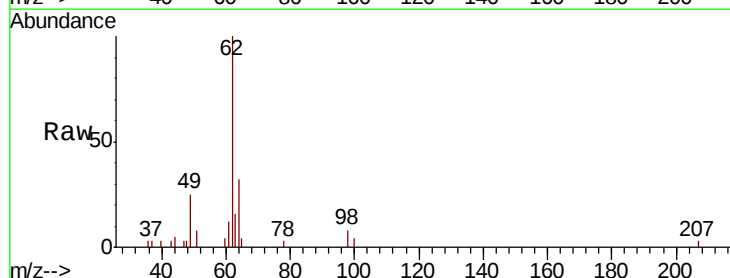
Manual Integrations
APPROVED

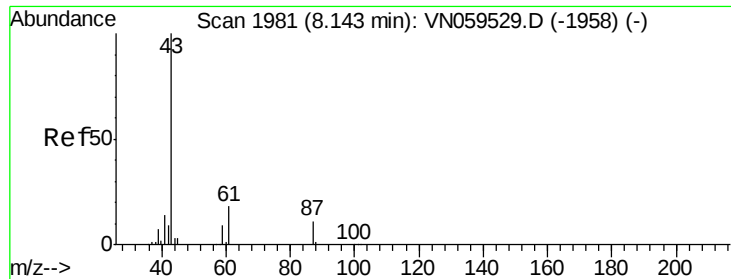
apatel
12/10/2019 5:10:40 PM



#42
1,2-Dichloroethane
Concen: 3.096 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.4





#43

Isopropyl Acetate

Concen: 2.661 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

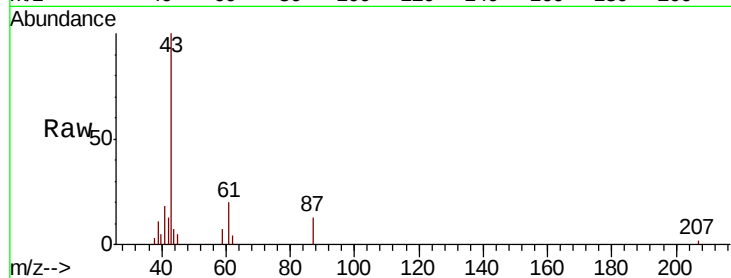
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20858
Ion Ratio	Lower	Upper	
43	100		
61	19.4	19.8	29.6#
87	12.2	9.4	14.2

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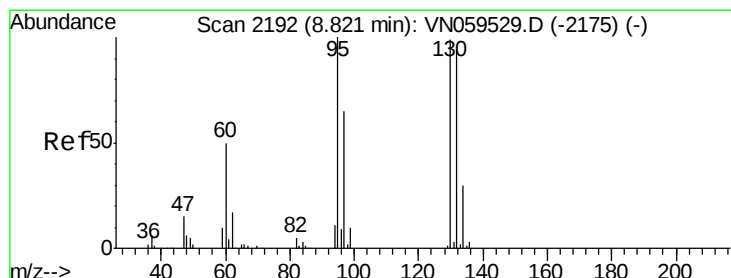
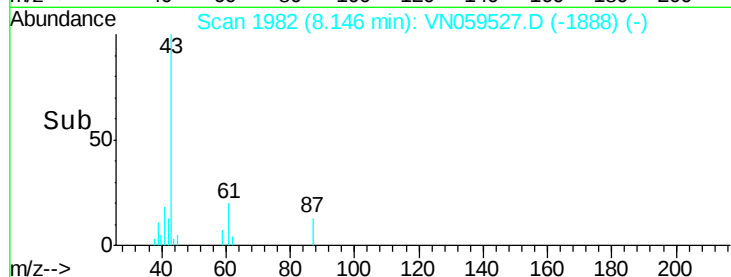
Abundance Ion 43.00 (42.70 to 43.70): VN059527.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059527.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059527.D (-1888) (-)

8.15

Time-->



#44

Trichloroethene

Concen: 2.704 ug/l

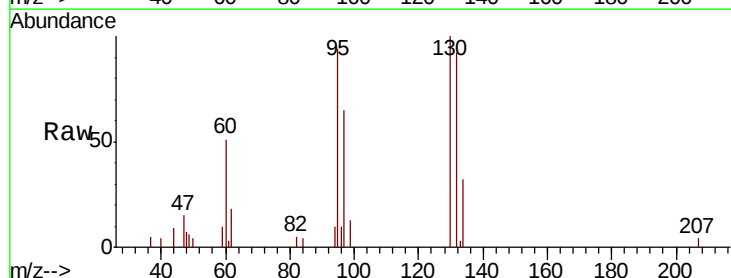
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion:	130	Resp:	9639
Ion Ratio	Lower	Upper	
130	100		
95	94.0	0.0	202.0

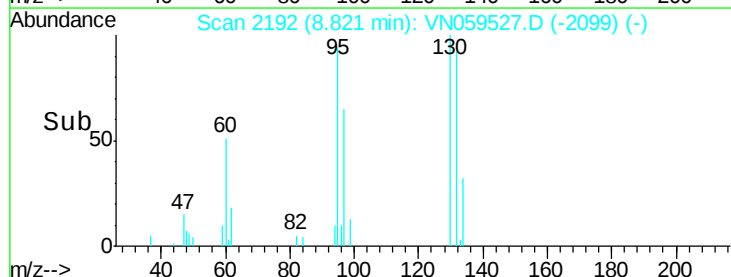


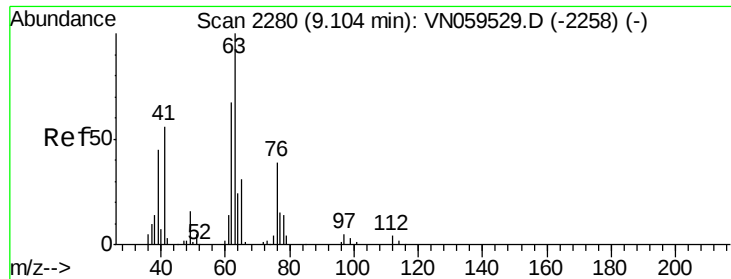
Abundance Ion 129.80 (129.50 to 130.50): VN059527.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN059527.D (-2099) (-)

8.82

Time-->





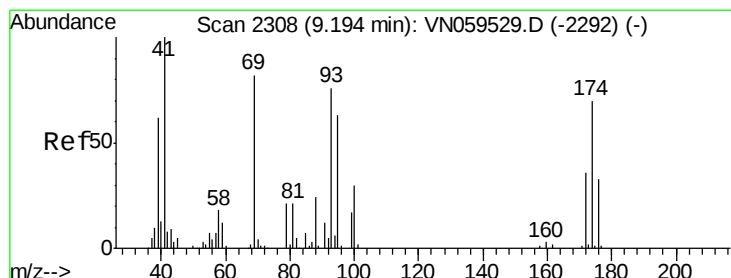
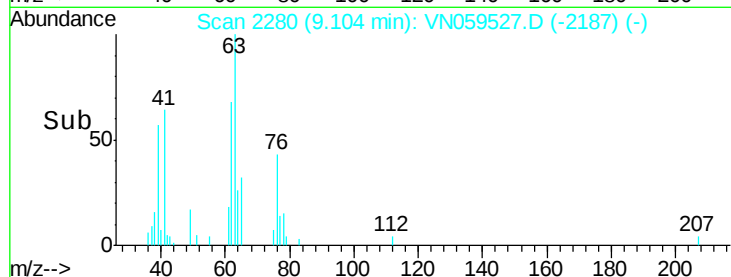
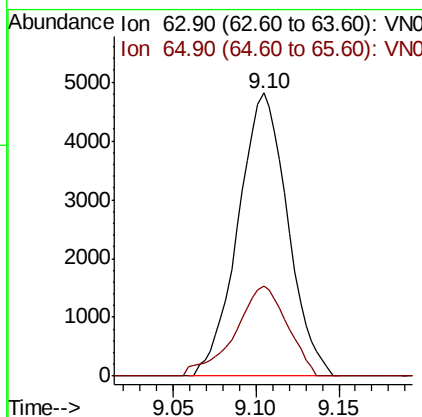
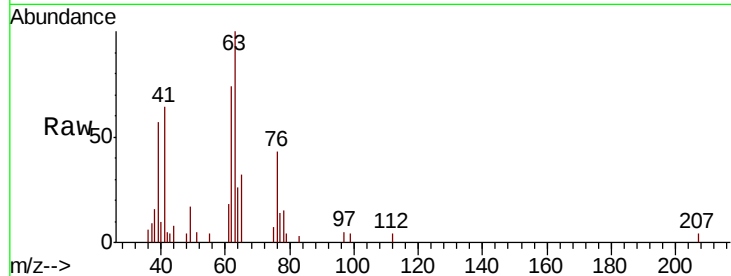
#45
 1,2-Dichloropropane
 Concen: 2.739 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 10021
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2

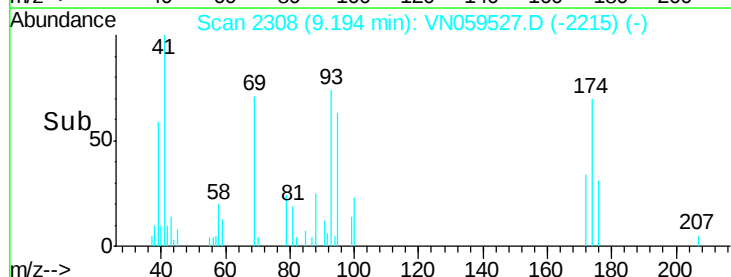
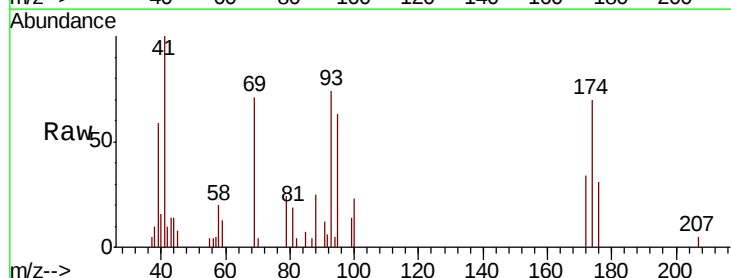
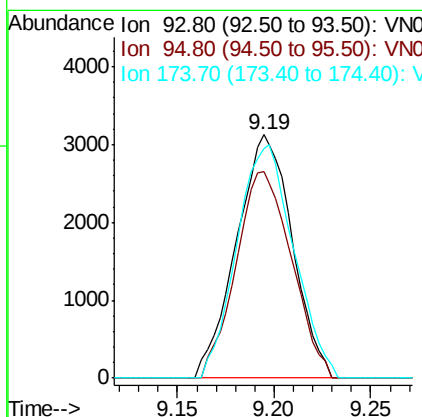
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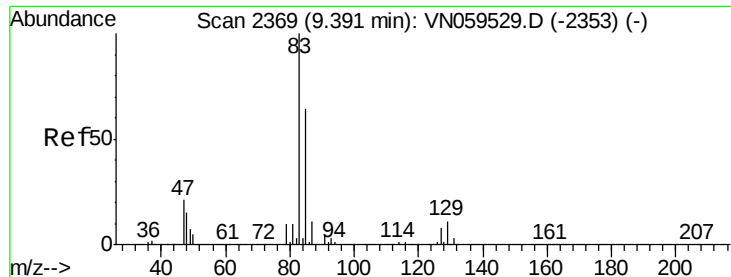
apatel
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#46
 Dibromomethane
 Concen: 2.734 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 93 Resp: 6260
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.6
 174 97.5 75.6 113.4





#47

Bromodichloromethane

Concen: 2.792 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

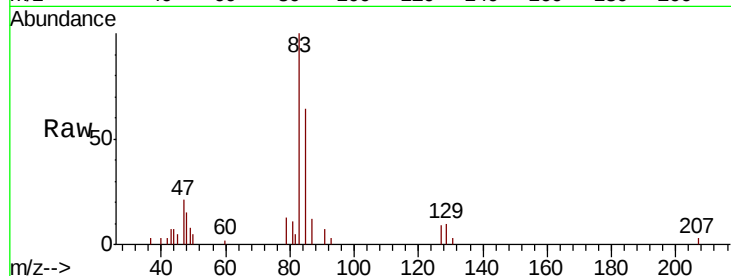
ClientSampleId :

VSTDIC005

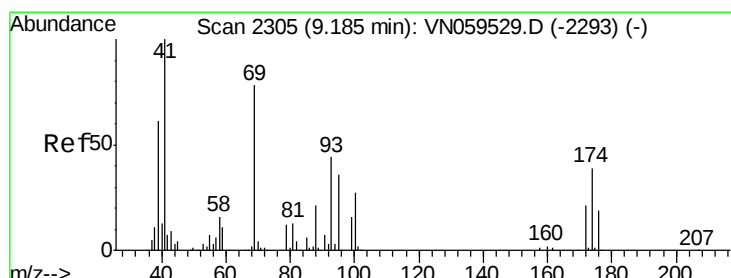
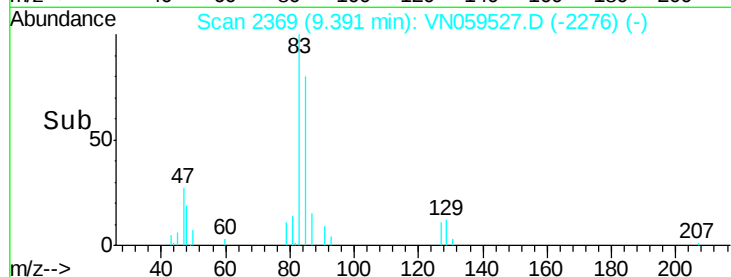
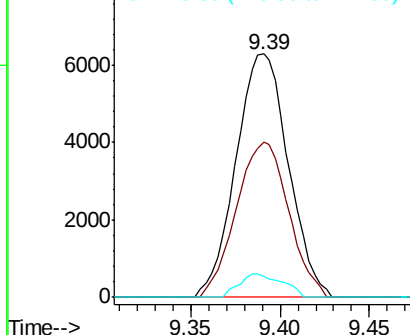
Tot Ion:	83	Resp:	12865
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.0
127	8.7	6.7	10.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 2.751 ug/l

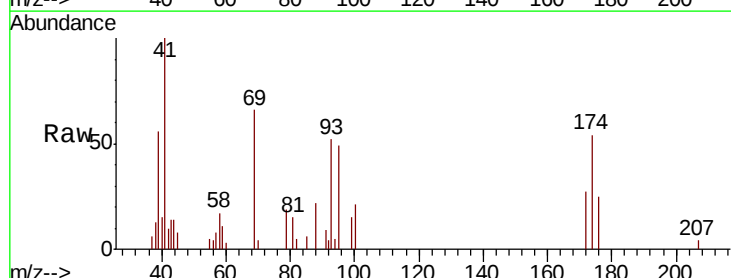
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

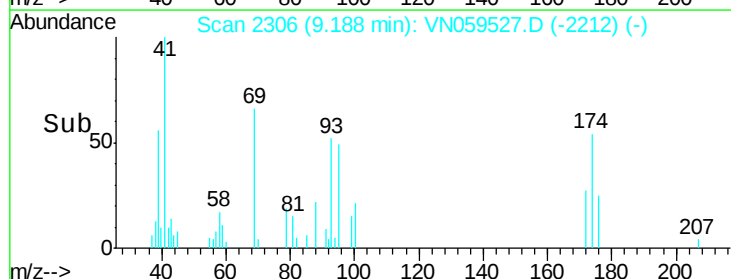
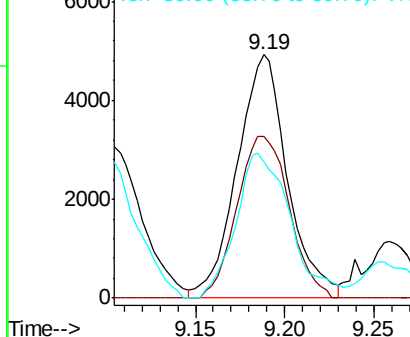
Lab File: VN059527.D

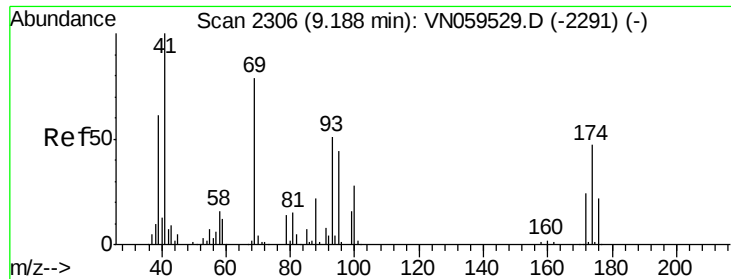
Acq: 9 Dec 2019 15:08

Tgt Ion:	41	Resp:	9712
Ion	Ratio	Lower	Upper
41	100		
69	68.9	64.0	96.0
39	64.6	50.0	75.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





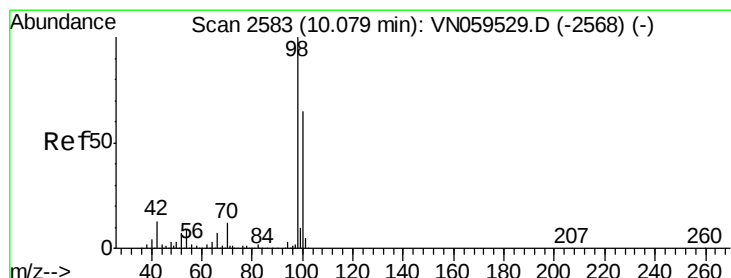
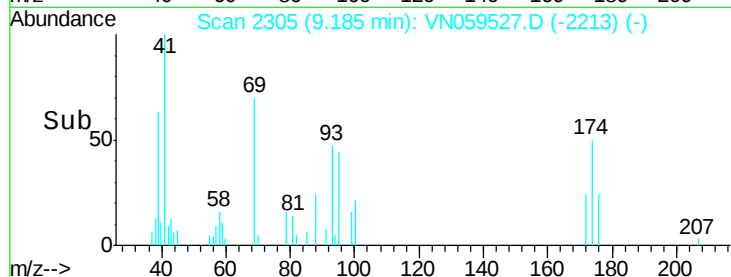
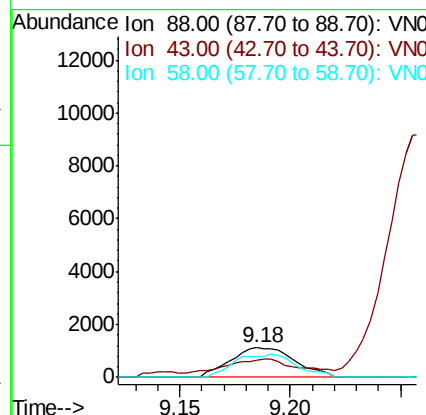
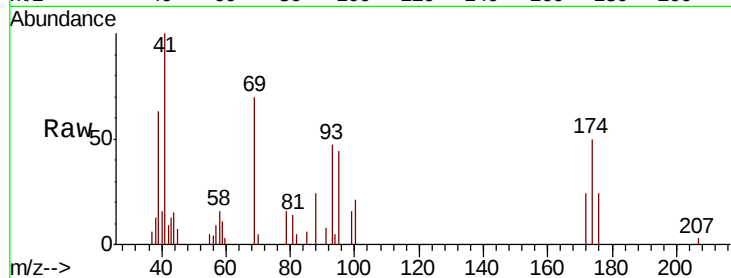
#49
1,4-Dioxane
Concen: 43.562 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.2	31.4	47.0
58	75.3	61.0	91.6

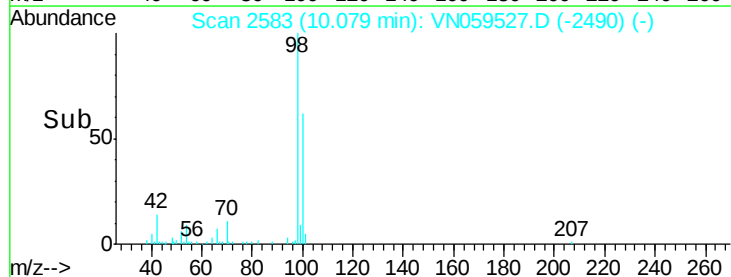
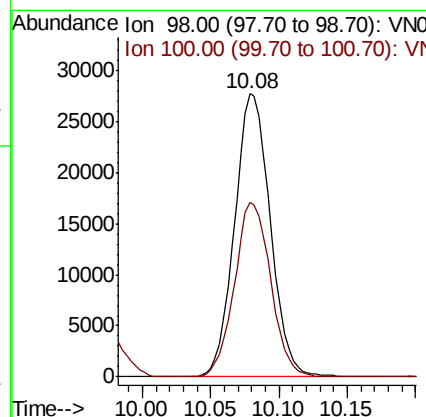
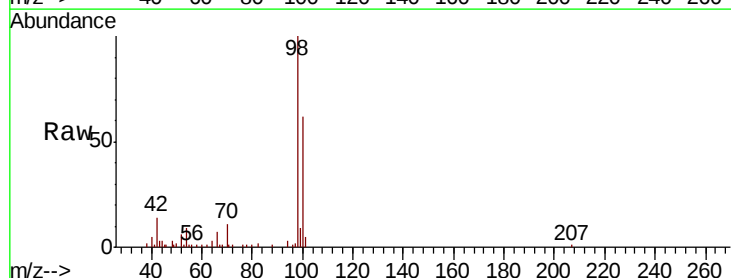
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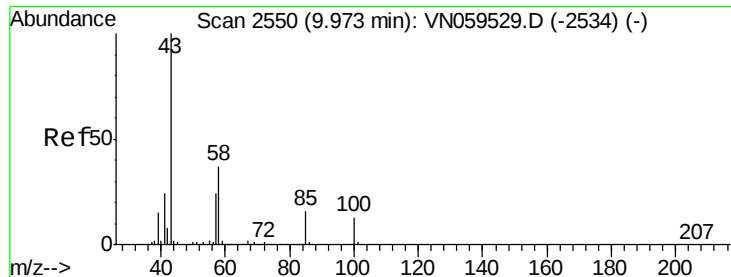
apatel
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#50
Toluene-d8
Concen: 4.598 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	51.8	77.8





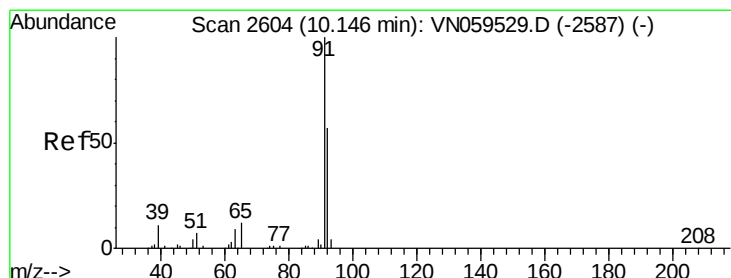
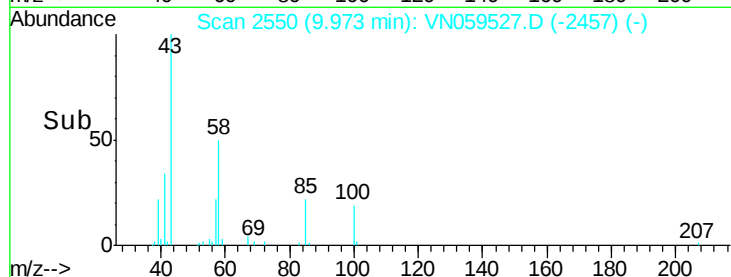
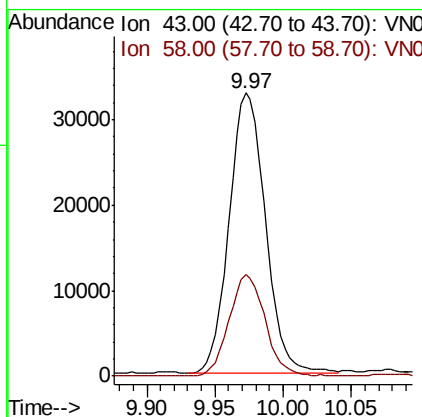
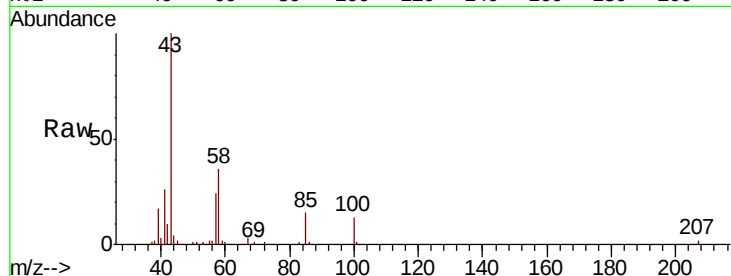
#51
4-Methyl-2-Pentanone
Concen: 13.105 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.6	30.1	45.1

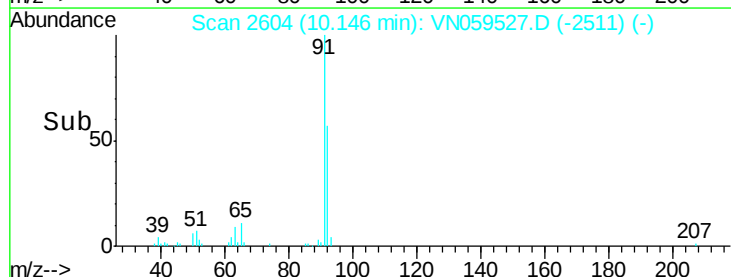
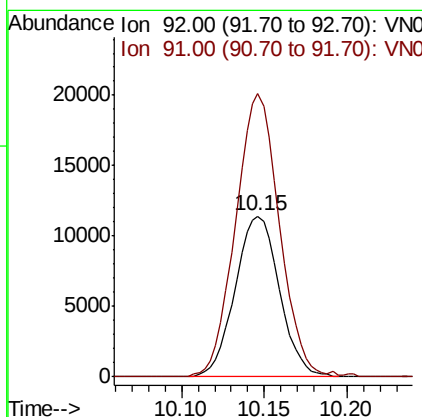
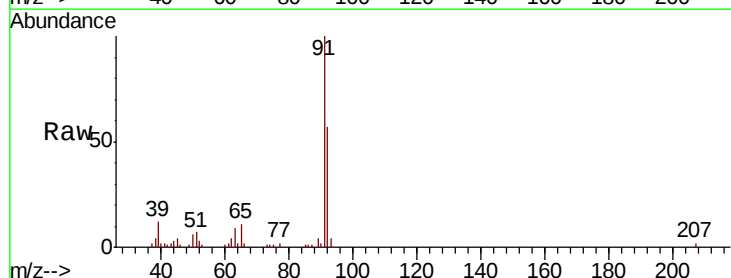
Manual Integrations
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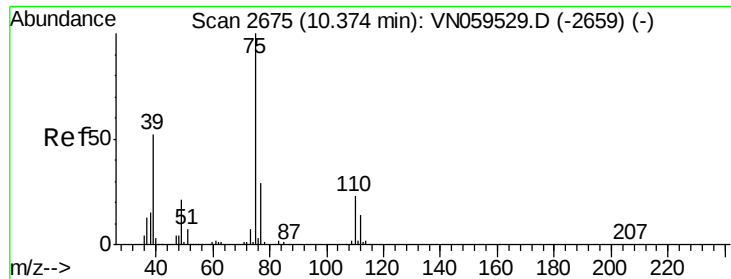
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#52
Toluene
Concen: 2.570 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.8	140.7	211.1





#53

t-1,3-Dichloropropene

Concen: 2.480 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 13399

Ion Ratio Lower Upper

75 100

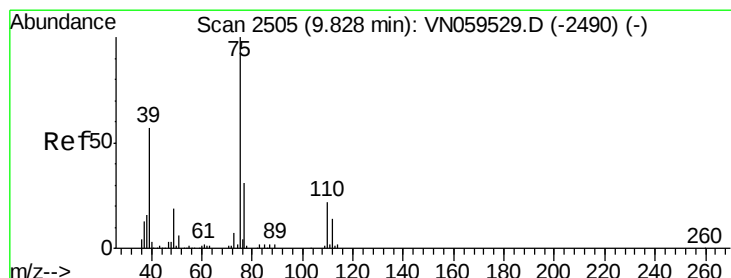
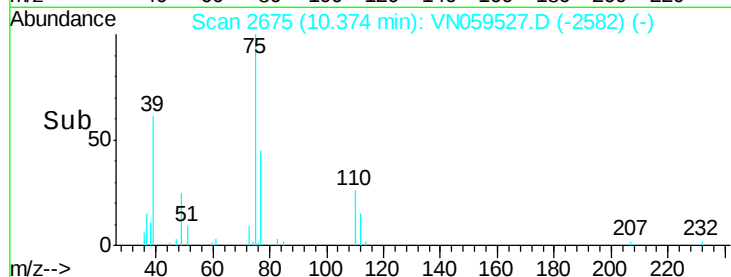
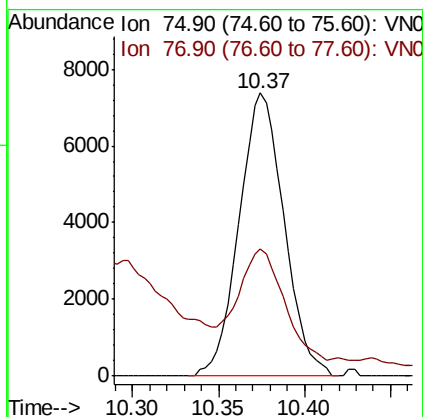
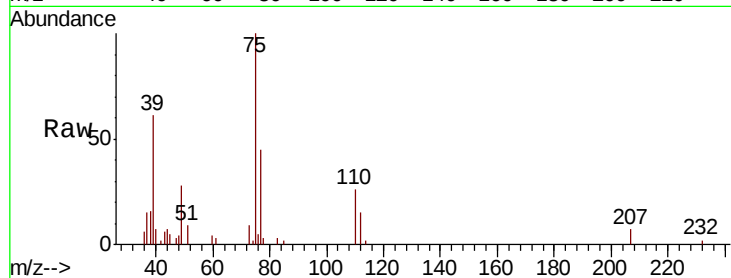
77 38.8 24.5 36.7#

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 2.605 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

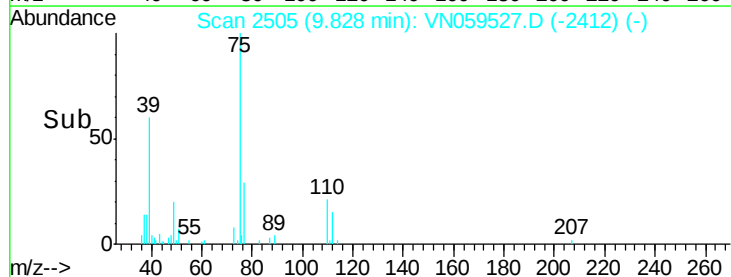
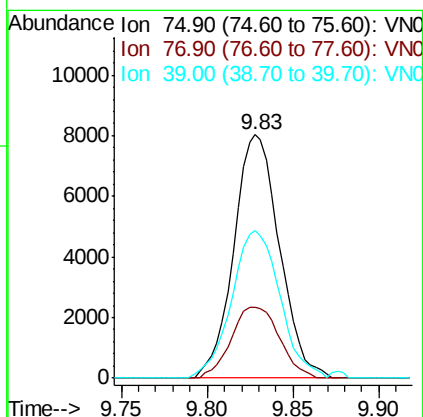
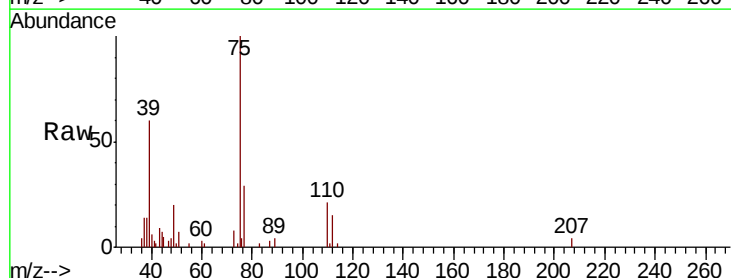
Tgt Ion: 75 Resp: 14847

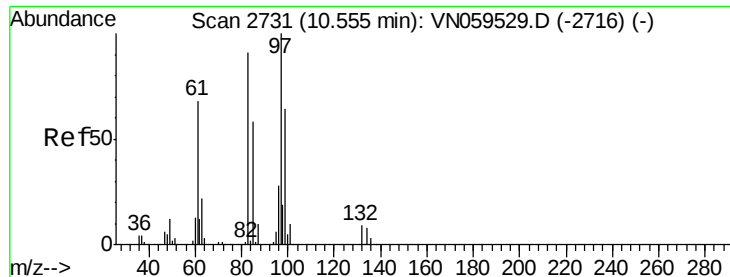
Ion Ratio Lower Upper

75 100

77 29.1 24.6 36.8

39 60.4 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 2.853 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

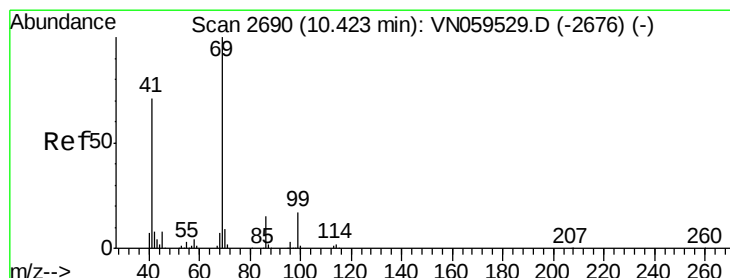
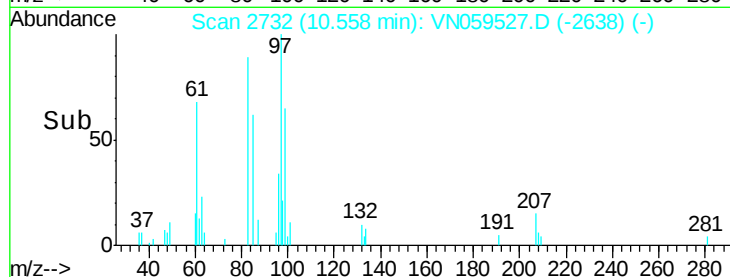
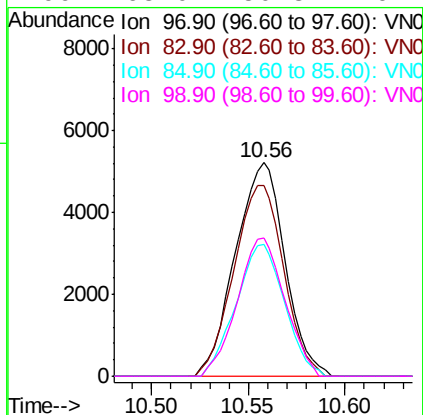
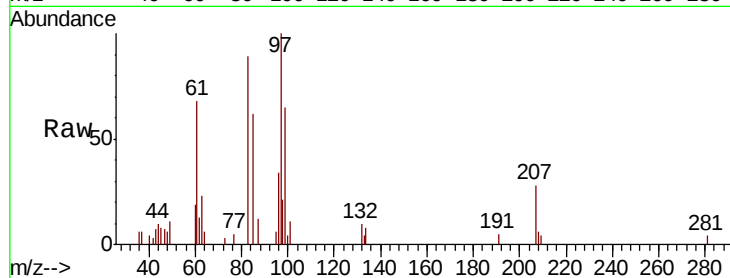
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	9291
Ion	Ratio	Lower	Upper
97	100		
83	89.3	72.9	109.3
85	62.0	46.1	69.1
99	65.0	50.8	76.2

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#56

Ethyl methacrylate

Concen: 2.142 ug/l

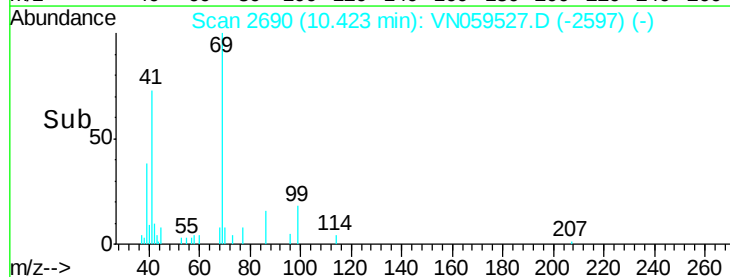
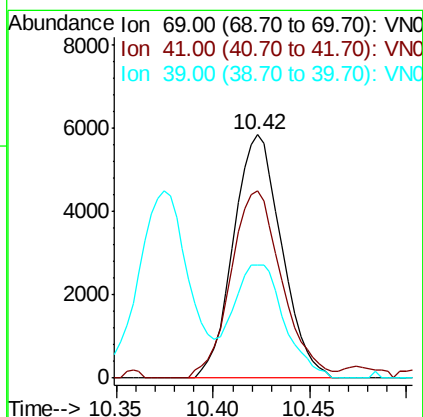
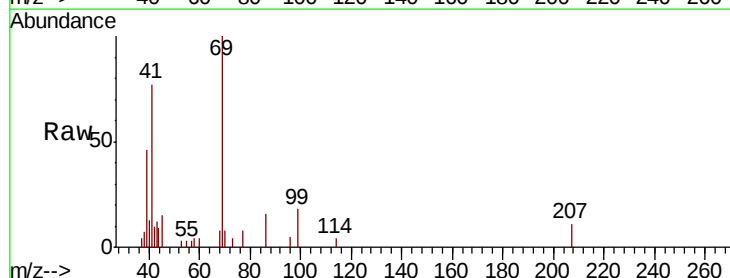
RT: 10.42 min Scan# 2690

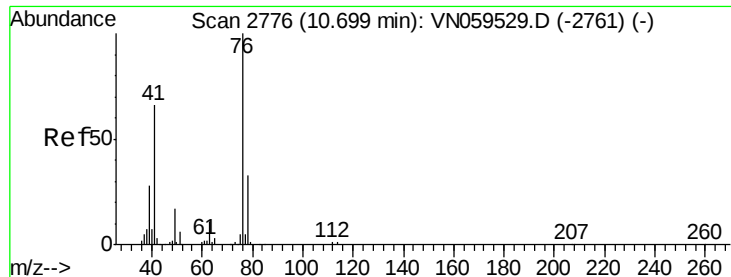
Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion:	69	Resp:	10107
Ion	Ratio	Lower	Upper
69	100		
41	81.6	57.7	86.5
39	50.1	34.2	51.2





#57

1,3-Dichloropropane

Concen: 2.586 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 14618

Ion Ratio Lower Upper

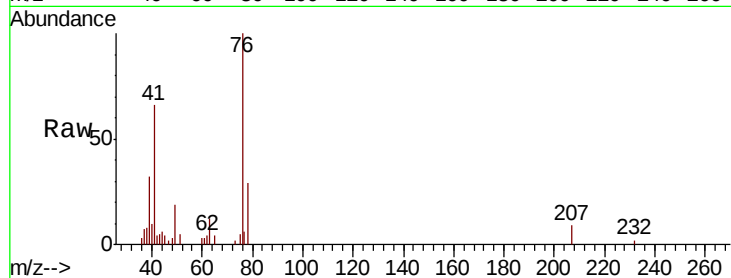
76 100

78 32.8 26.1 39.1

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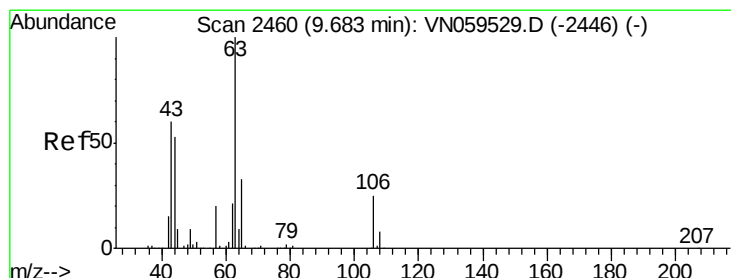
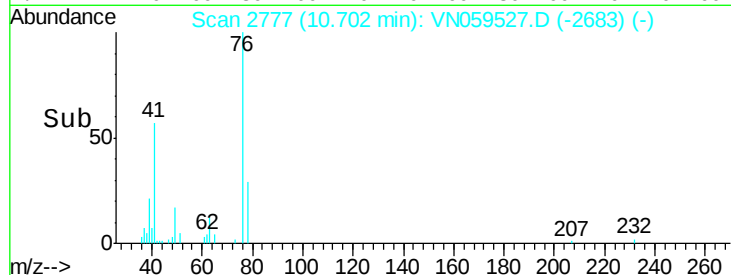
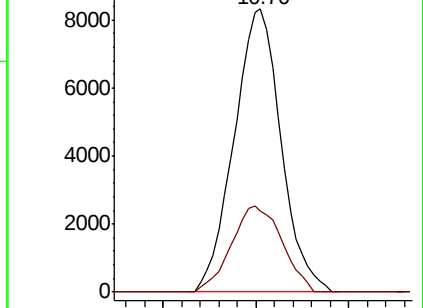
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Abundance Ion 75.90 (75.60 to 76.60): VN059527.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059527.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 28.756 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059527.D

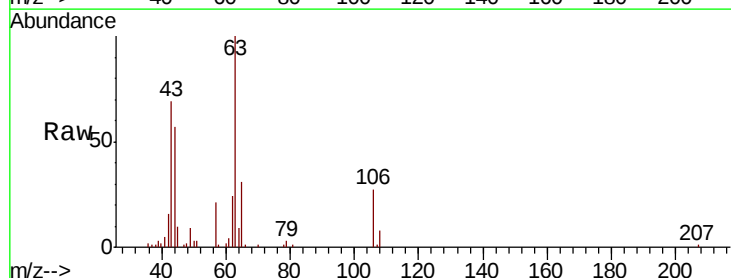
Acq: 9 Dec 2019 15:08

Tgt Ion: 63 Resp: 39635

Ion Ratio Lower Upper

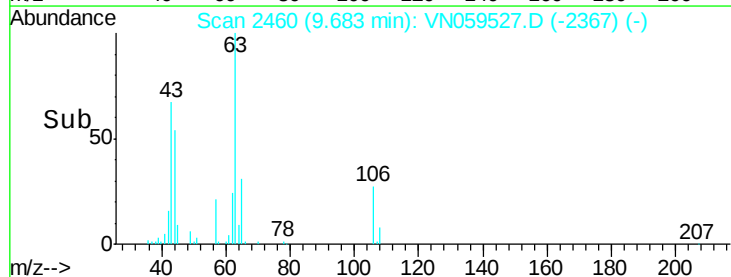
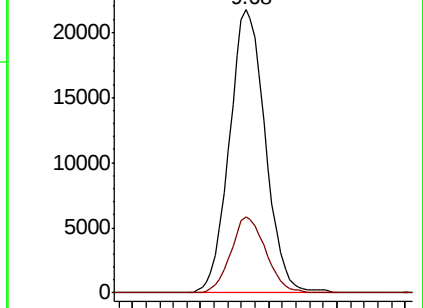
63 100

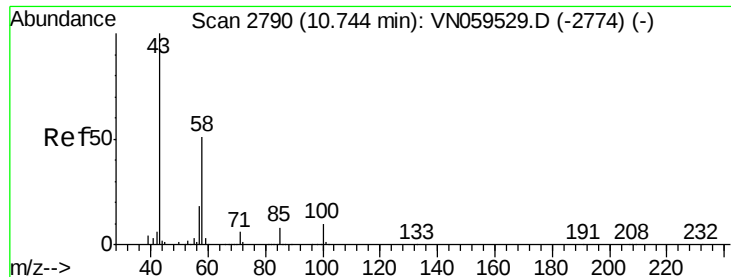
106 26.1 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN059527.D (-2367) (-)

Ion 105.90 (105.60 to 106.60): VN059527.D (-2367) (-)





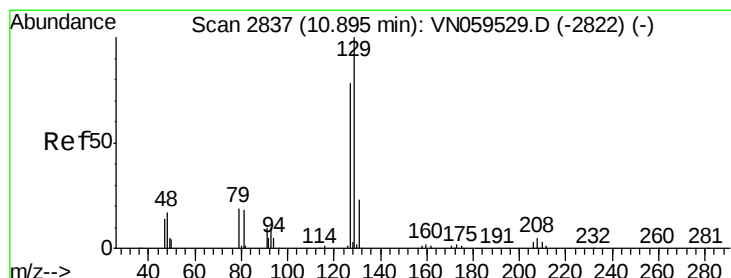
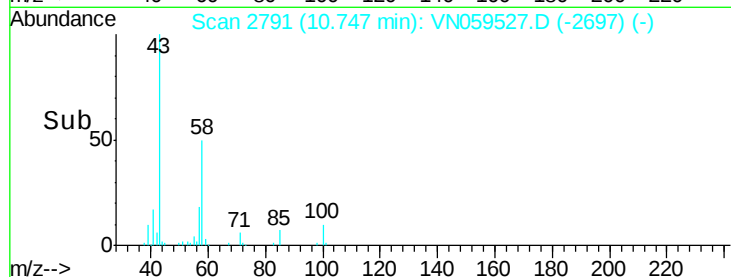
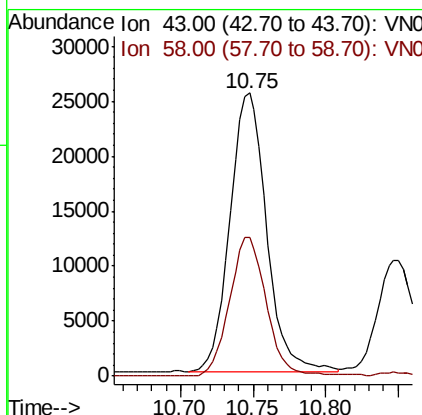
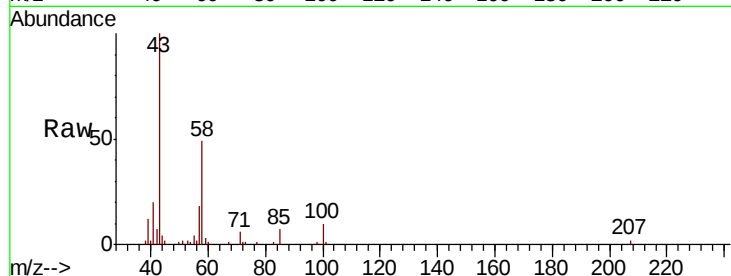
#59
2-Hexanone
Concen: 12.697 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	44365
Ion Ratio	100	Lower	Upper
58	50.3	25.9	77.6

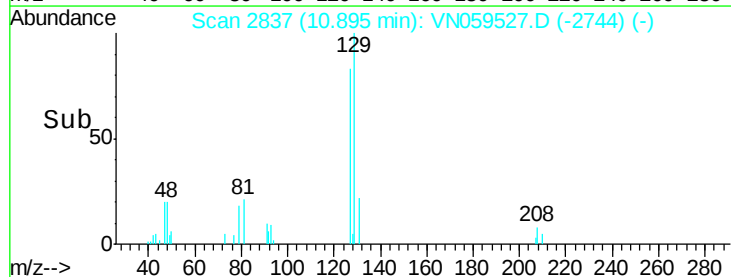
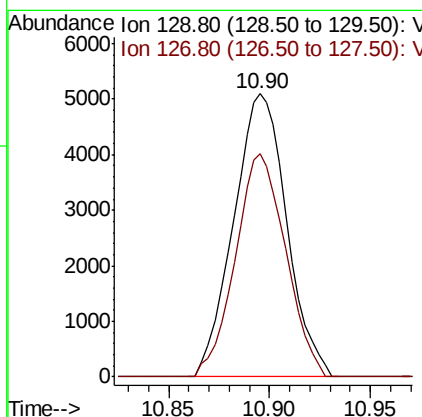
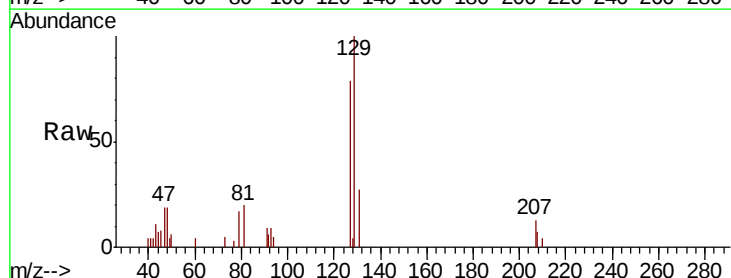
Manual Integrations
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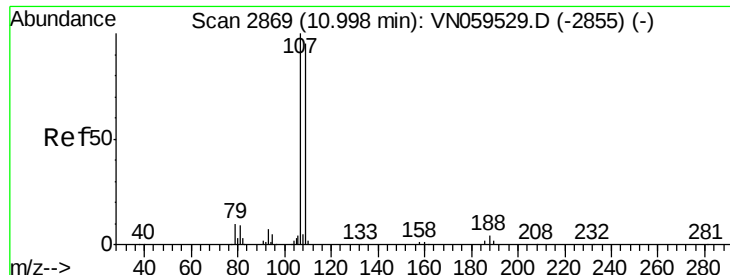
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#60
Dibromochloromethane
Concen: 2.677 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	129	Resp	9365
Ion Ratio	100	Lower	Upper
127	74.8	38.9	116.6





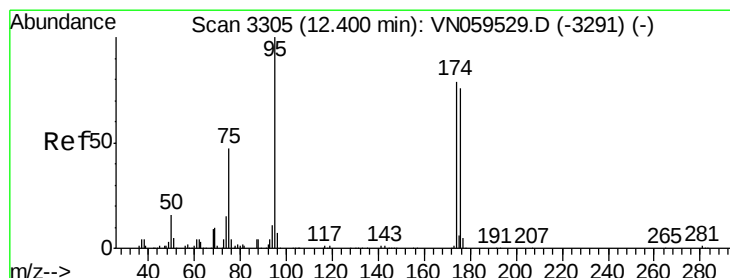
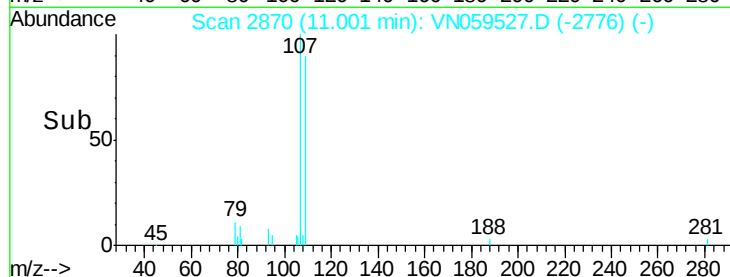
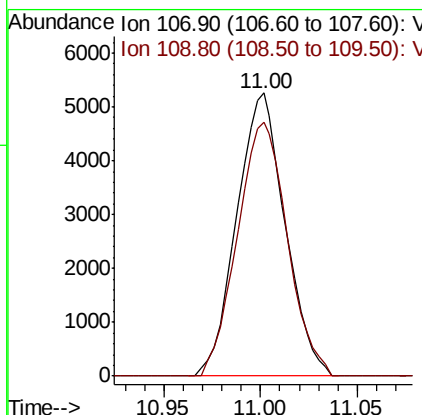
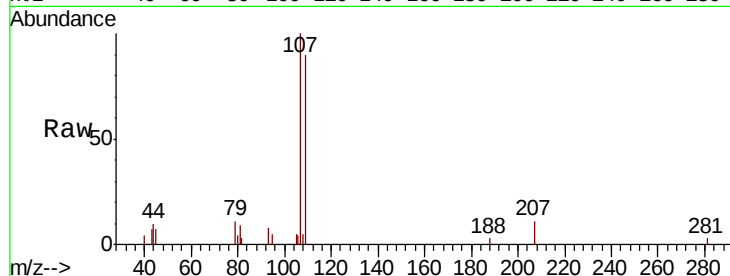
#61
 1,2-Dibromoethane
 Concen: 2.709 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.1	114.1

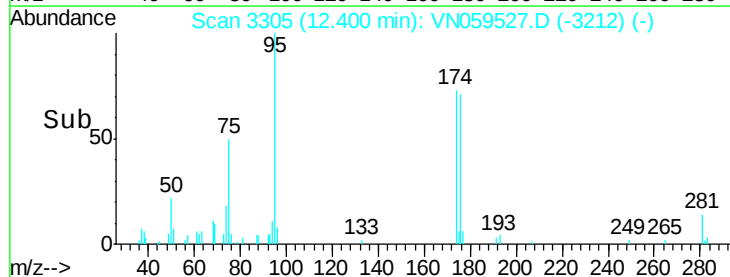
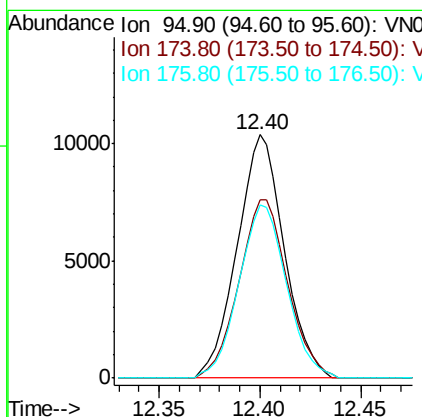
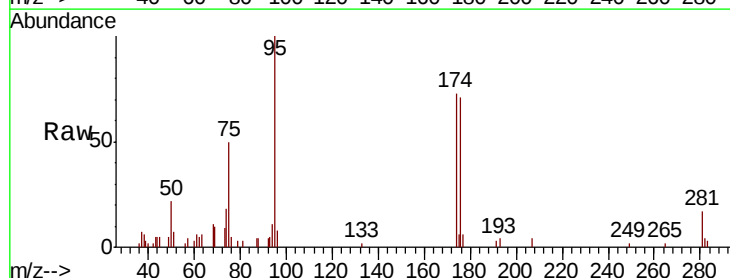
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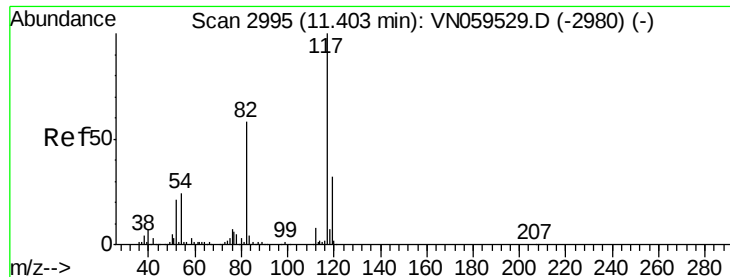
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.286 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	158.0
176	72.2	0.0	155.4





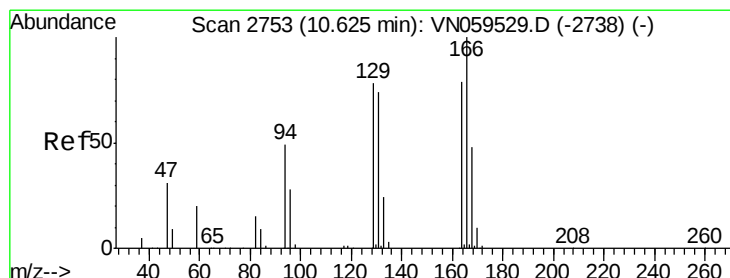
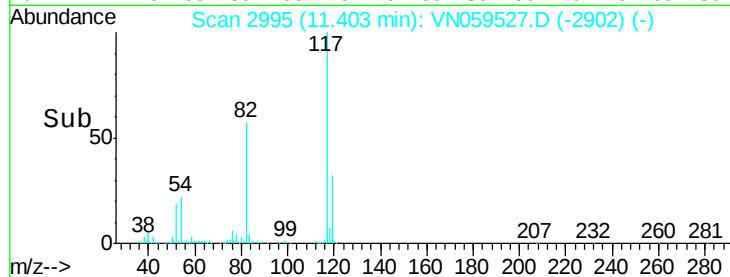
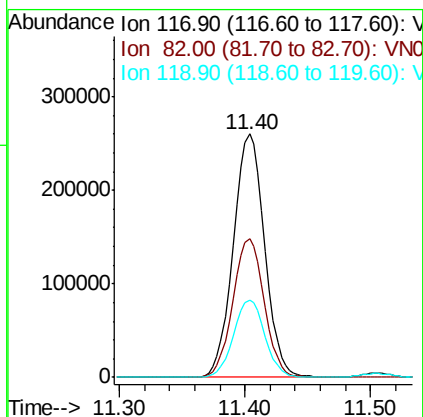
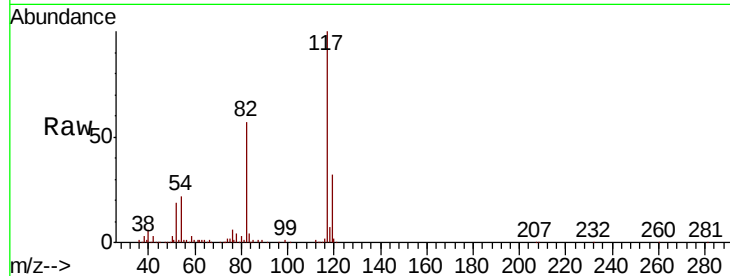
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.5	69.7
119	31.9	25.2	37.8

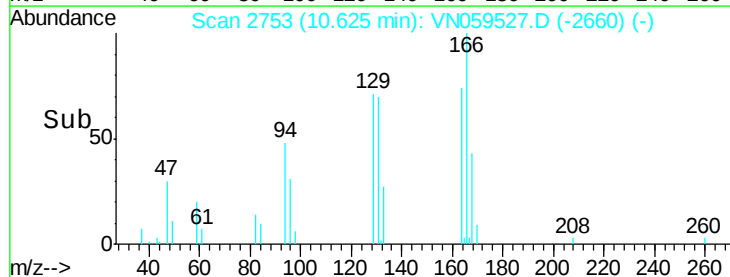
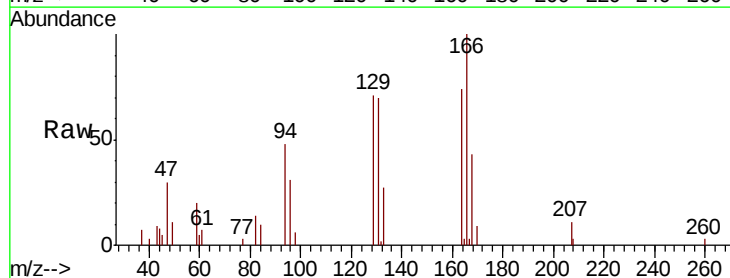
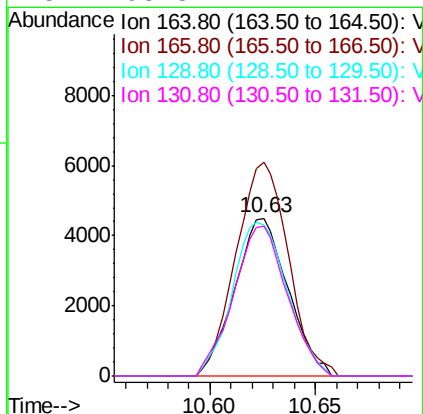
Manual Integrations
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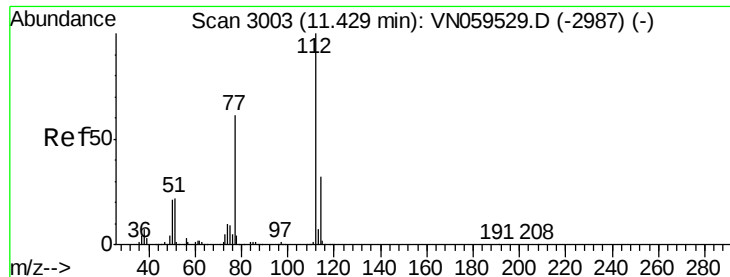
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#64
Tetrachloroethene
Concen: 2.160 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.6	101.6	152.4
129	95.9	79.0	118.6
131	95.3	74.7	112.1





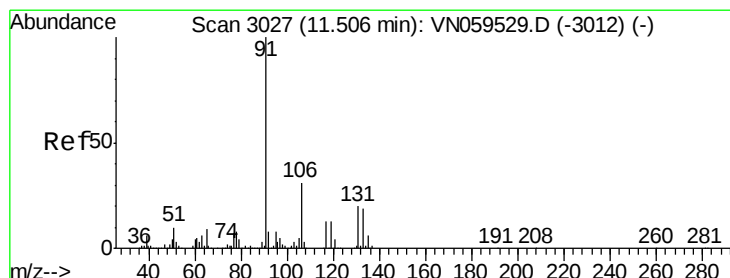
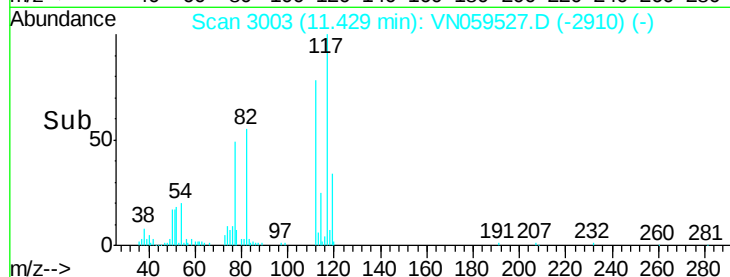
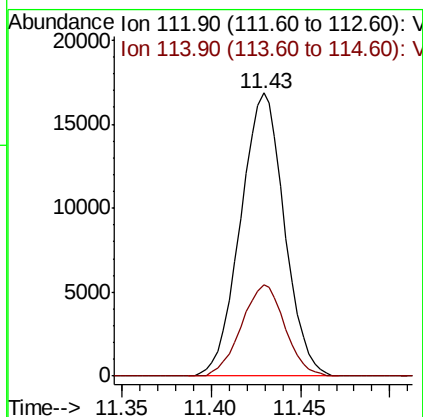
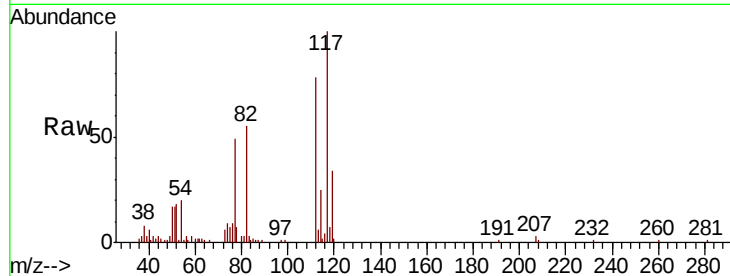
#65
Chlorobenzene
Concen: 3.014 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 28942
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

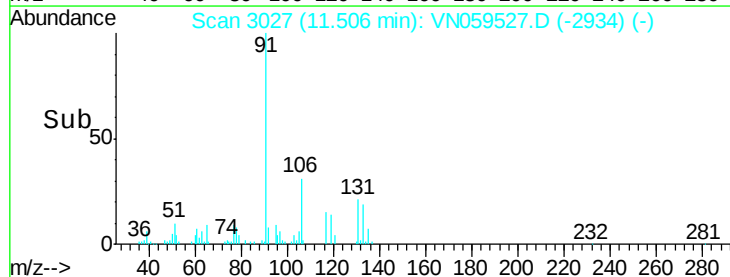
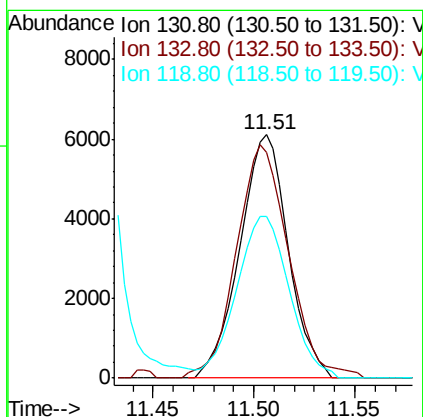
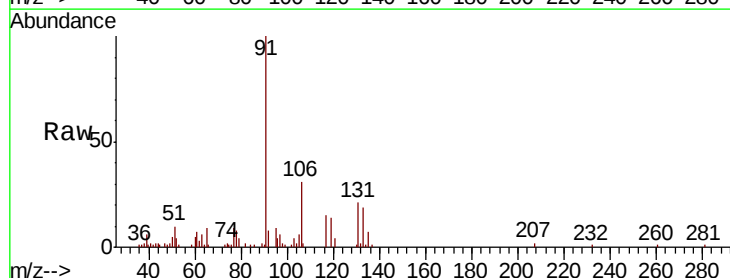
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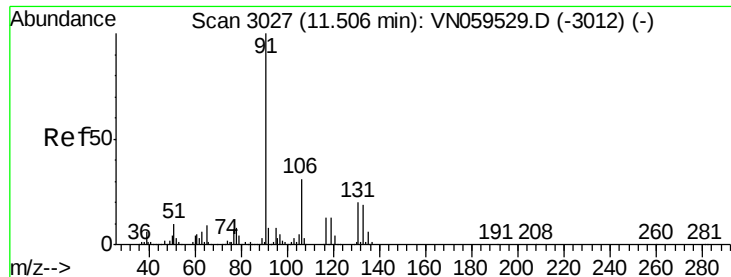
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.963 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion:131 Resp: 10260
Ion Ratio Lower Upper
131 100
133 103.3 47.8 143.3
119 72.4 33.4 100.2





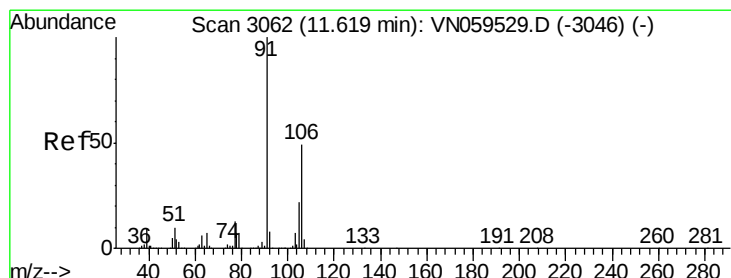
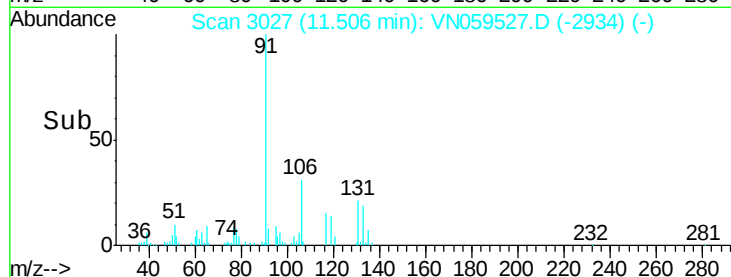
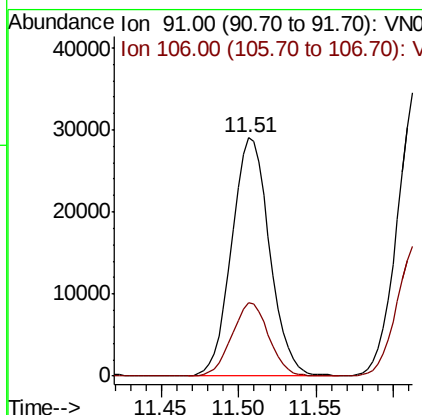
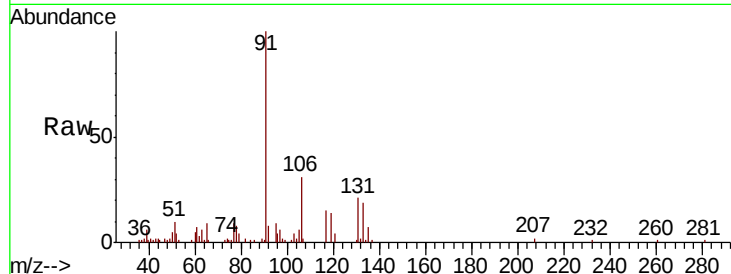
#67
Ethyl Benzene
Concen: 2.927 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7

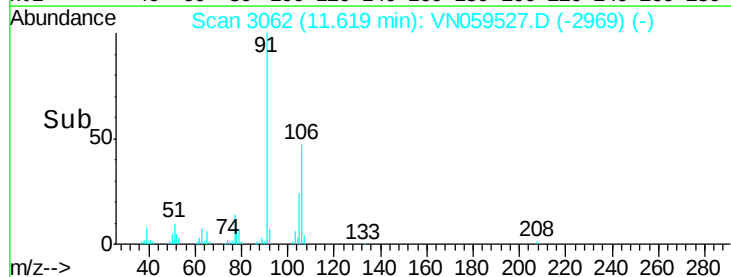
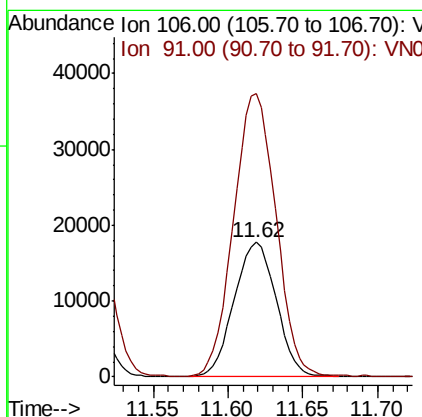
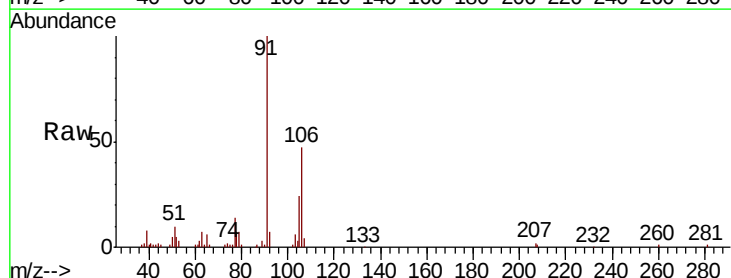
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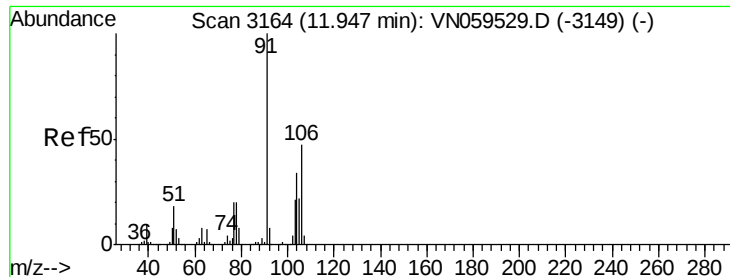
apatel
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#68
m/p-Xylenes
Concen: 5.503 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.0	162.9	244.3





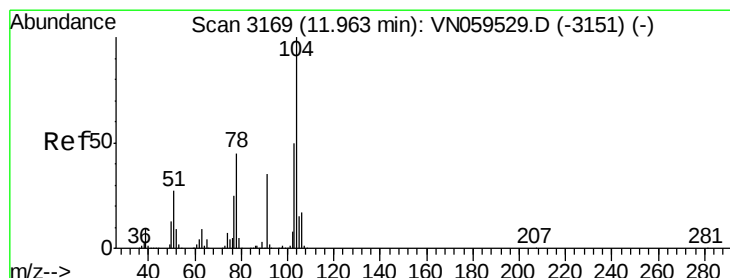
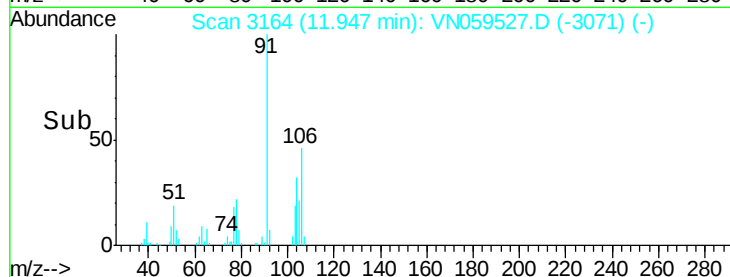
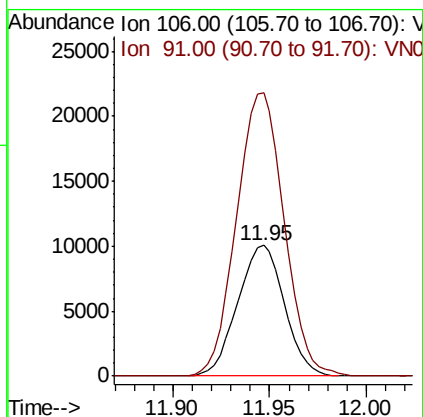
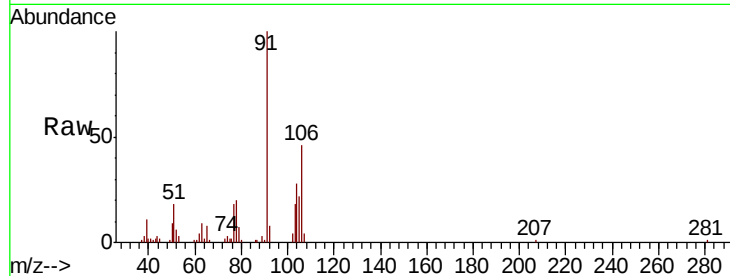
#69
o-Xylene
Concen: 2.804 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 16902
Ion Ratio Lower Upper
106 100
91 220.9 106.7 319.9

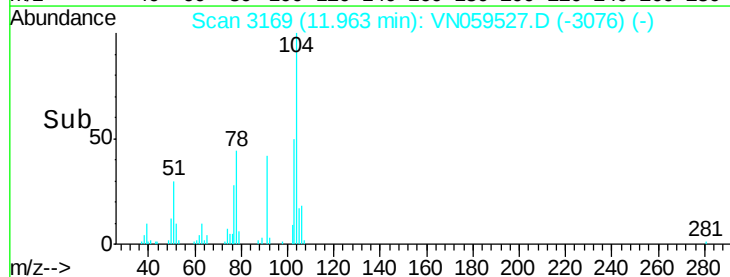
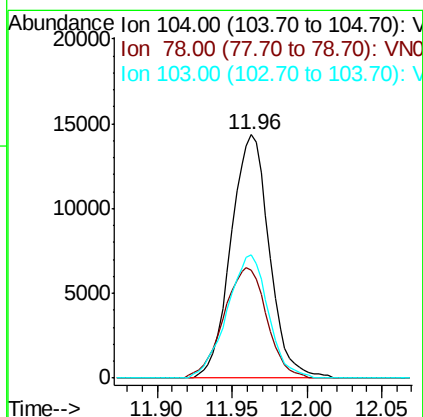
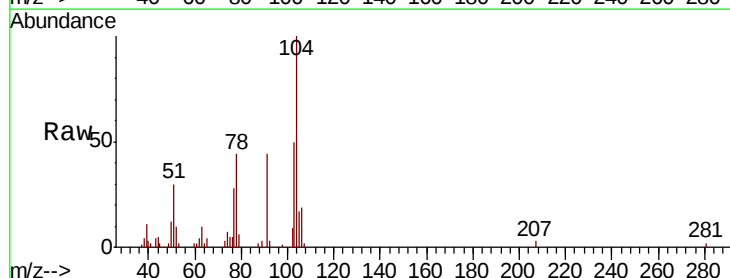
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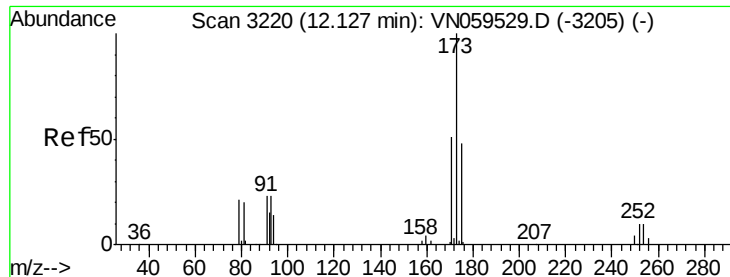
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#70
Styrene
Concen: 2.649 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion:104 Resp: 25583
Ion Ratio Lower Upper
104 100
78 51.0 40.6 60.8
103 54.4 43.9 65.9





#71

Bromoform

Concen: 2.831 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7747

Ion Ratio Lower Upper

173 100

175 46.4 24.1 72.4

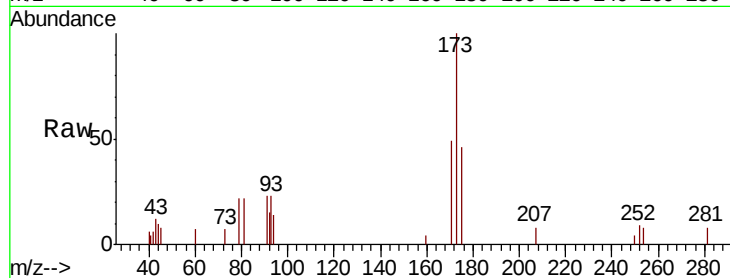
254 0.0 0.0 0.0

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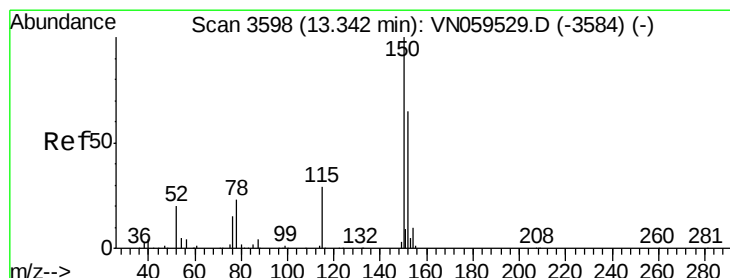
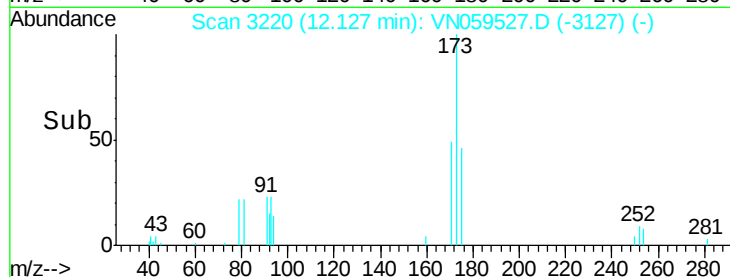
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.13

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

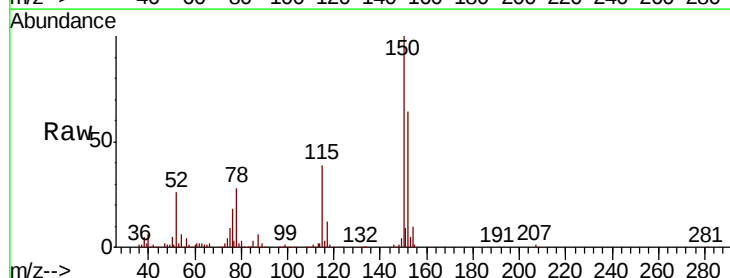
Tgt Ion:152 Resp: 165930

Ion Ratio Lower Upper

152 100

115 60.1 29.4 88.2

150 157.2 0.0 342.4



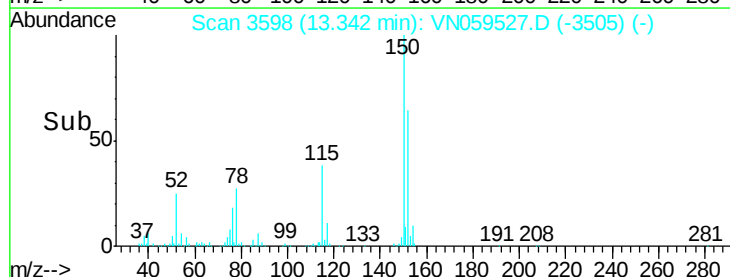
Abundance Ion 151.90 (151.60 to 152.60): V

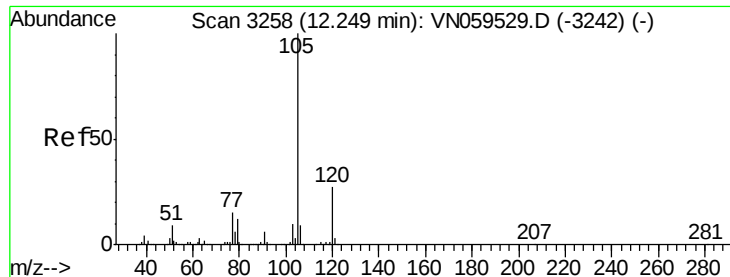
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

13.34

Time-->





#73

Isopropylbenzene

Concen: 3.055 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 38636

Ion Ratio Lower Upper

105 100

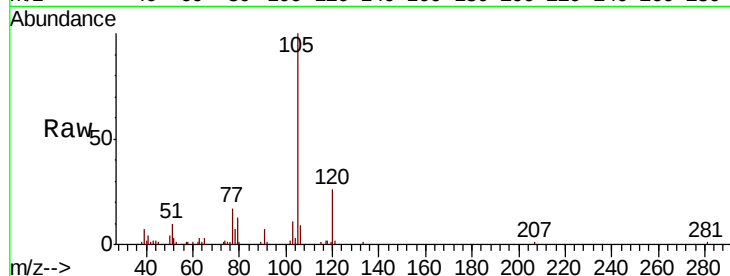
120 26.8 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

25000

20000

15000

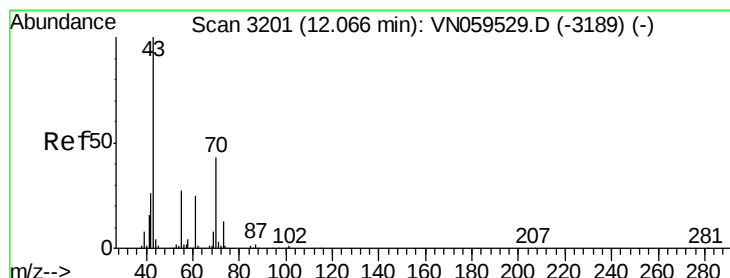
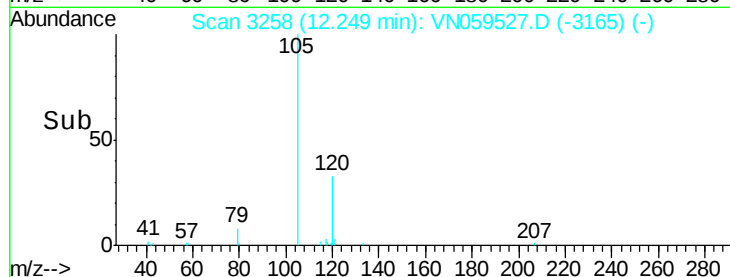
10000

5000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 3.392 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion: 43 Resp: 17517

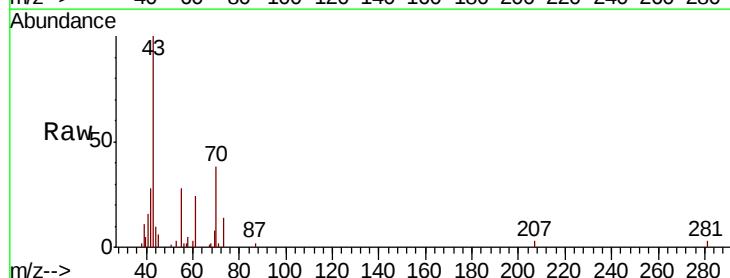
Ion Ratio Lower Upper

43 100

70 38.7 34.2 51.4

55 28.3 21.3 31.9

61 23.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

15000

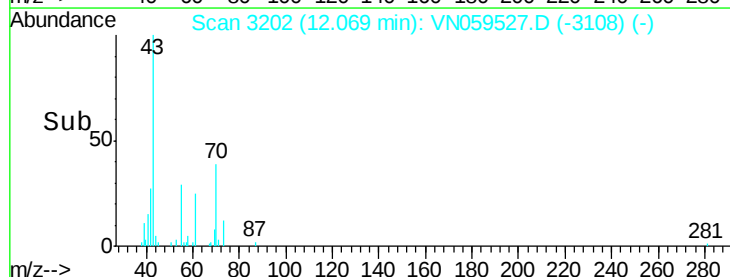
10000

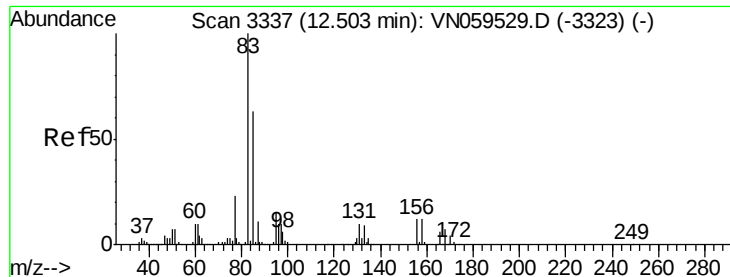
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 3.211 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

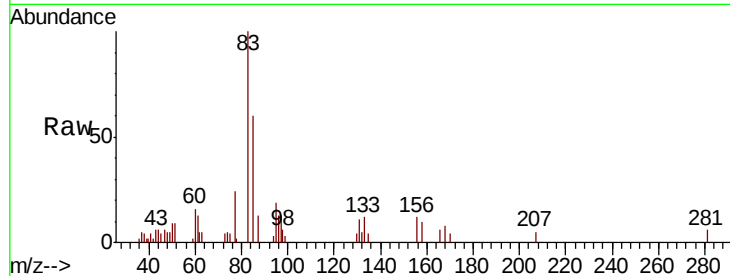
ClientSampleId :

VSTDIC005

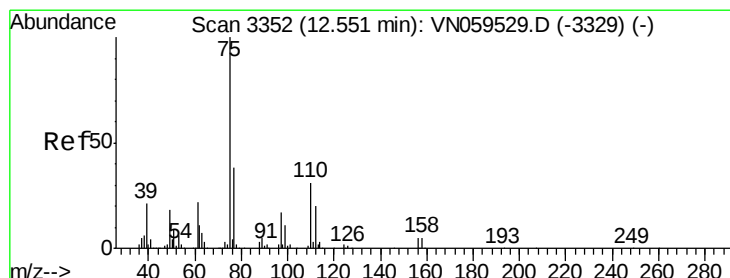
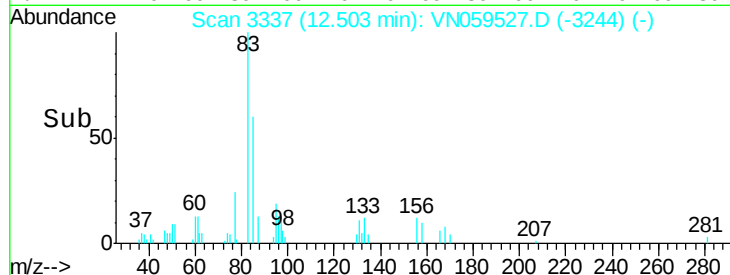
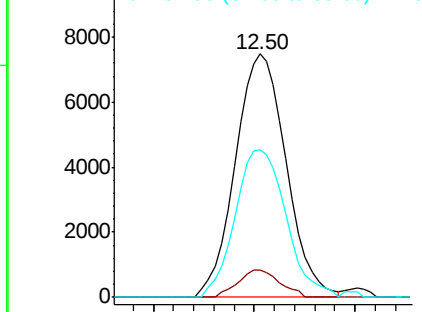
Tot Ion:	83	Resp:	13182
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.0	14.9
85	60.6	31.6	95.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059527.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 2.945 ug/l m

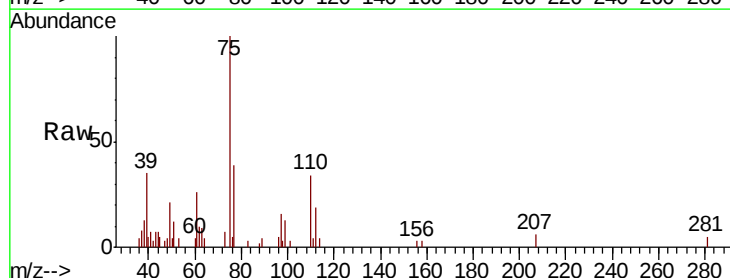
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

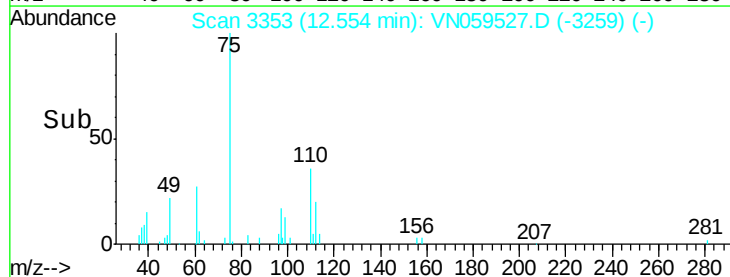
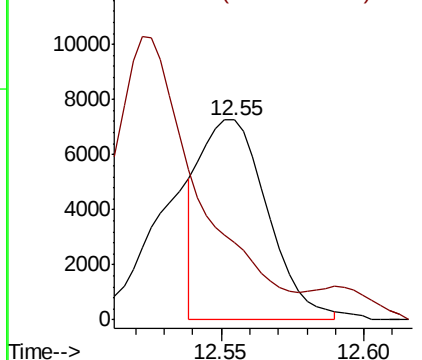
Lab File: VN059527.D

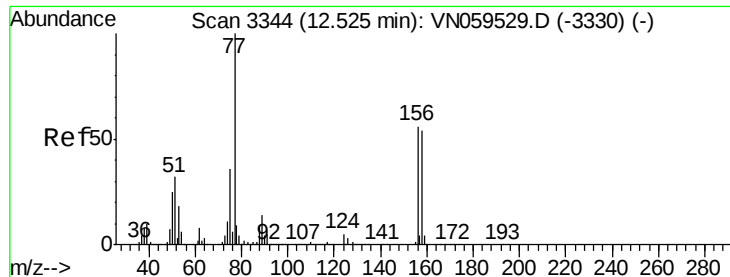
Acq: 9 Dec 2019 15:08

Tgt Ion:	75	Resp:	11940
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059527.D (-3329) (-)





#77

Bromobenzene

Concen: 2.956 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

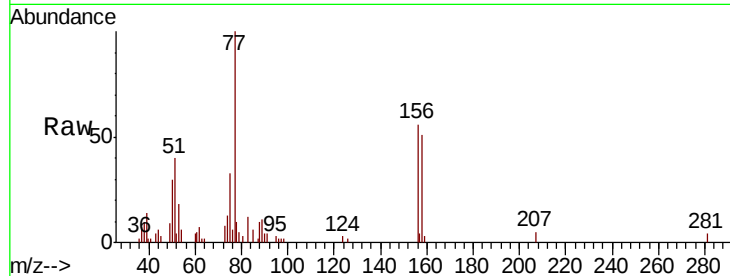
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	9467
Ion	Ratio	Lower	Upper
156	100		
77	230.1	109.3	327.8
158	95.3	48.6	145.8

Manual Integrations
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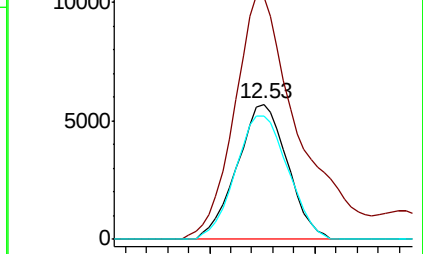
apatel
12/10/2019 5:10:40 PM



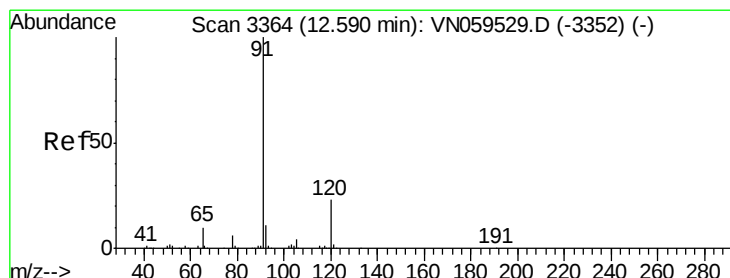
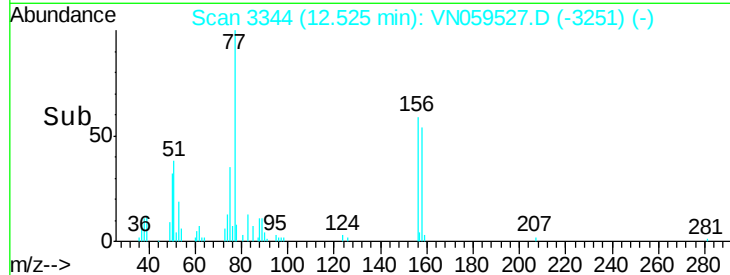
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 2.912 ug/l

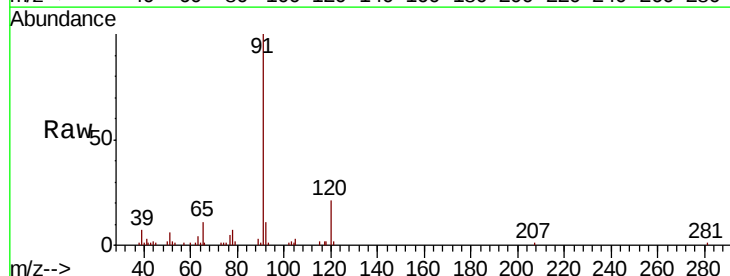
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059527.D

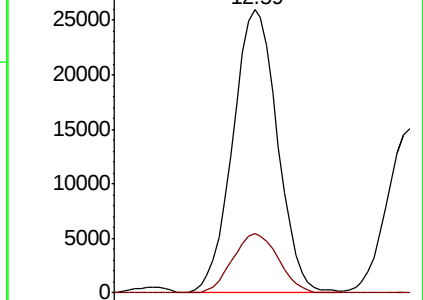
Acq: 9 Dec 2019 15:08

Tgt Ion:	91	Resp:	43290
Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.4	34.1

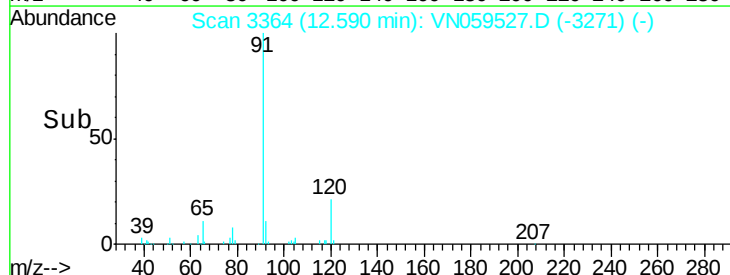


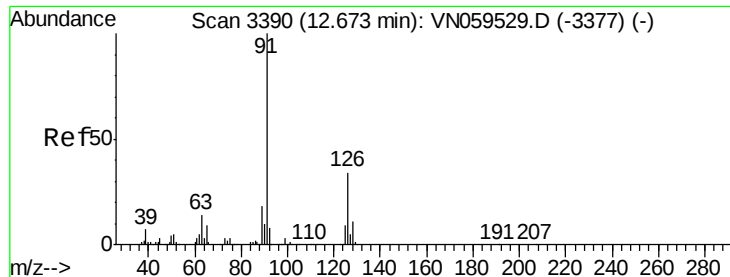
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





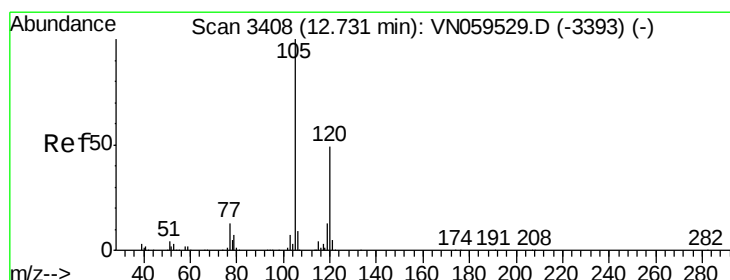
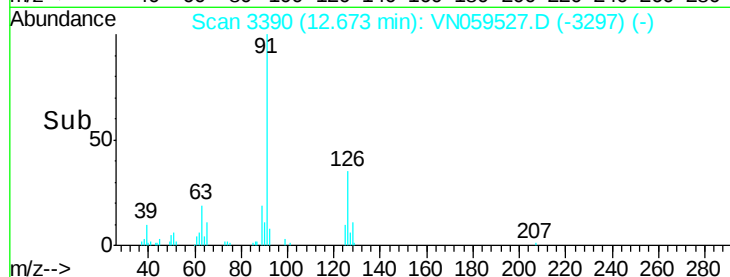
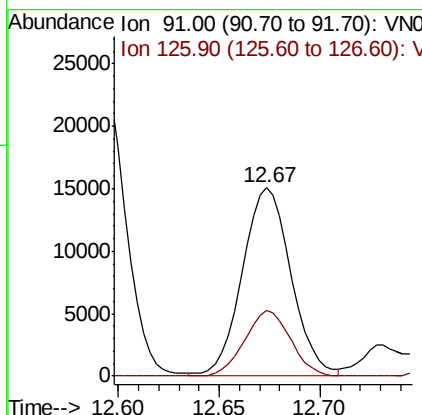
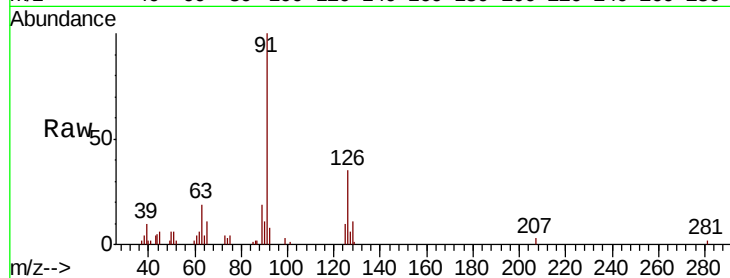
#79
 2-Chlorotoluene
 Concen: 2.850 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 25581
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.9 50.7

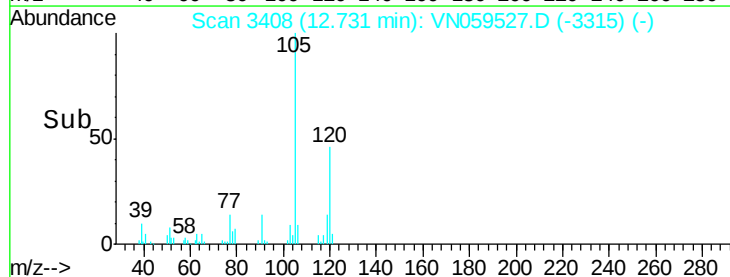
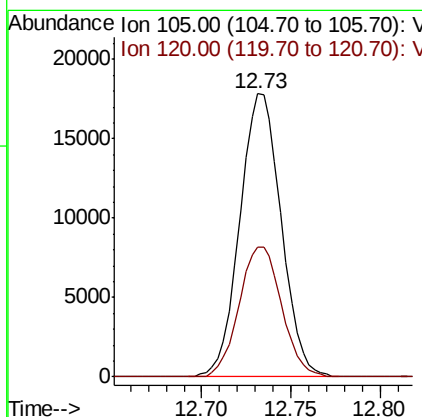
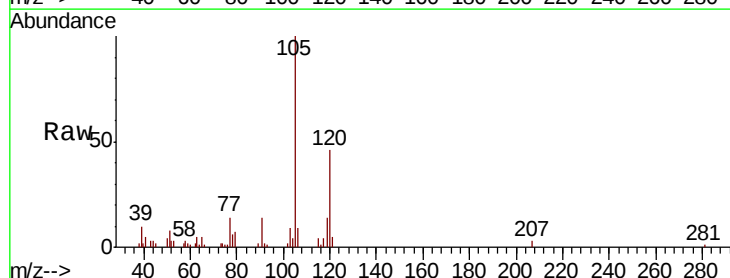
Manual Integrations
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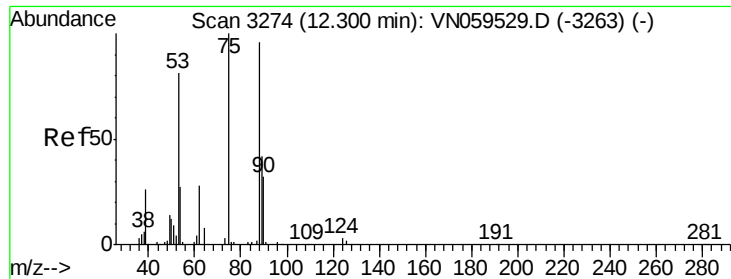
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 2.702 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion: 105 Resp: 28919
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.5 73.5





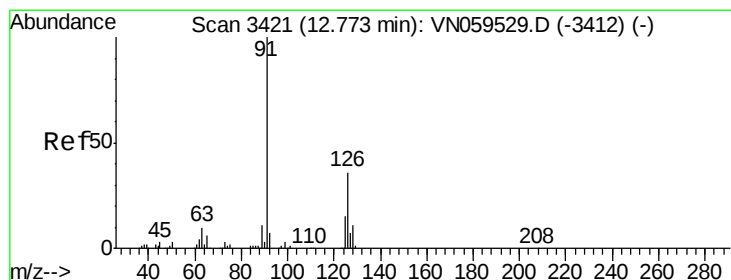
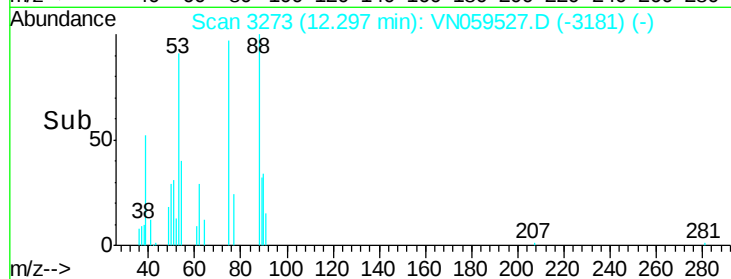
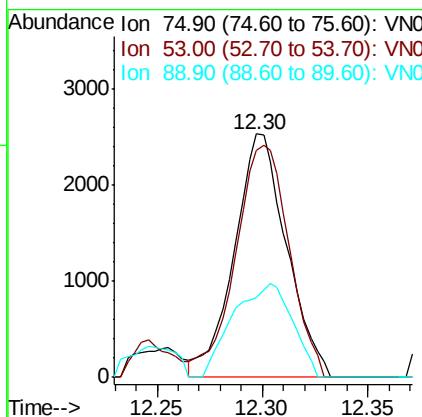
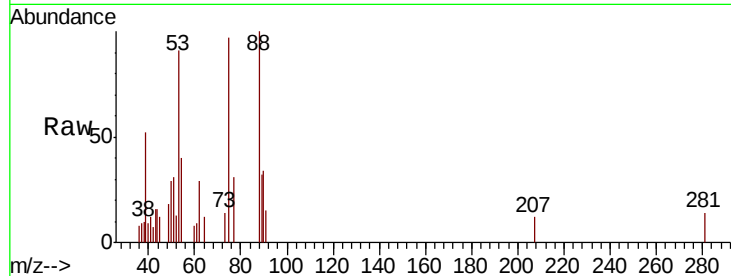
#81
trans-1,4-Dichloro-2-butene
Concen: 2.913 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	67.0	100.6
89	43.6	35.5	53.3

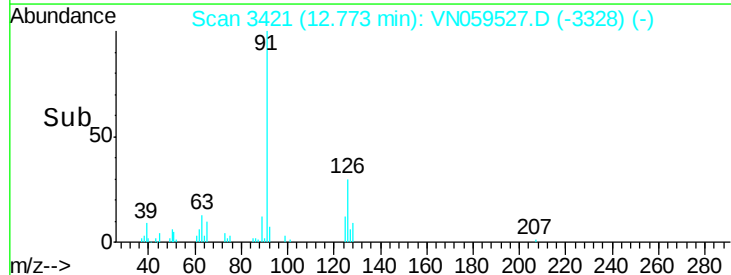
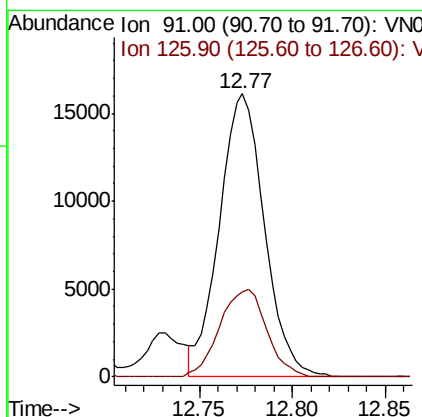
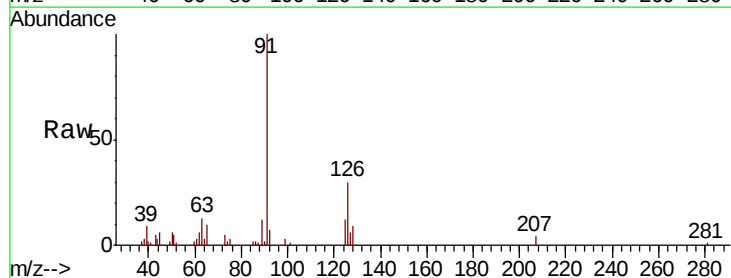
Manual Integrations
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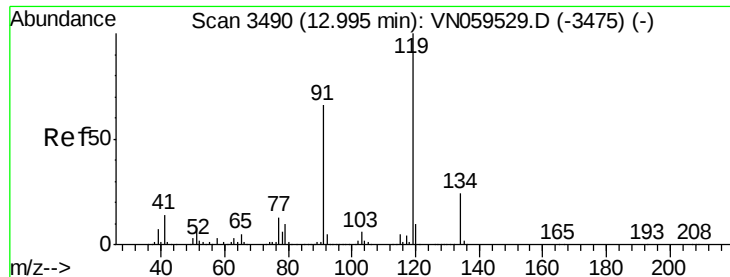
apatel
12/10/2019 5:10:40 PM



#82
4-Chlorotoluene
Concen: 2.921 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4





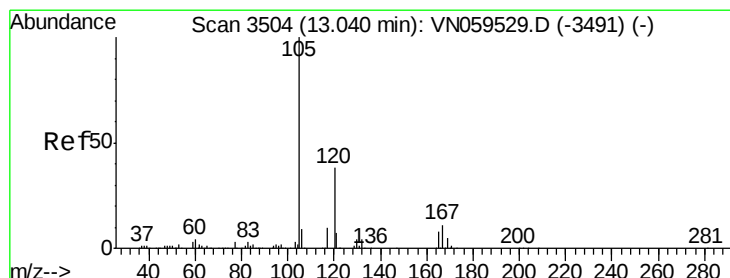
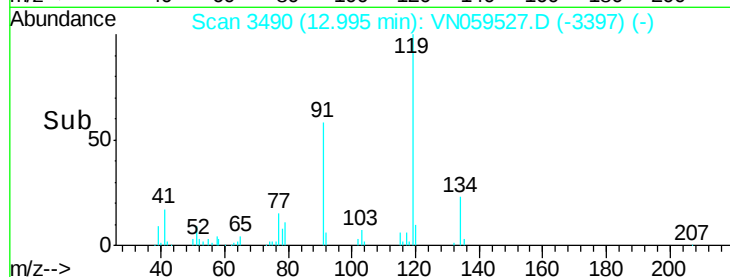
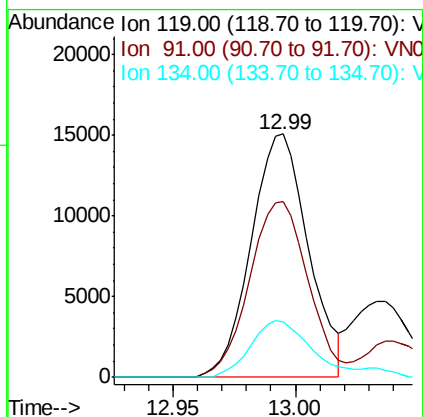
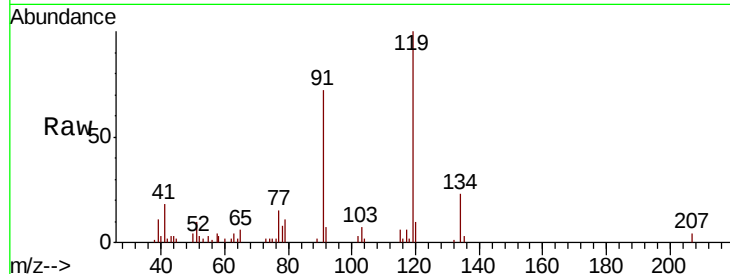
#83
tert-Butylbenzene
Concen: 2.641 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.8	32.8	98.4
134	24.3	12.8	38.3

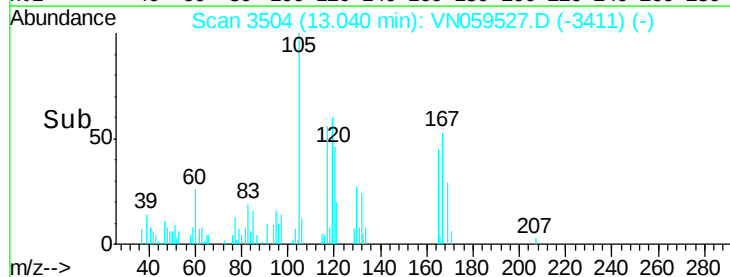
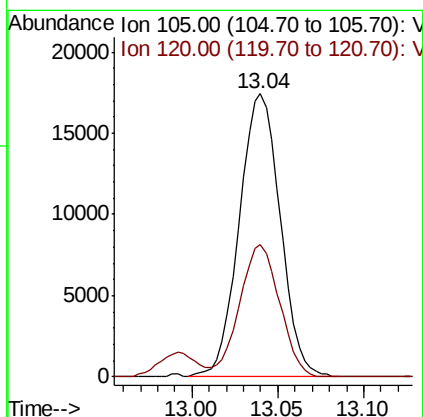
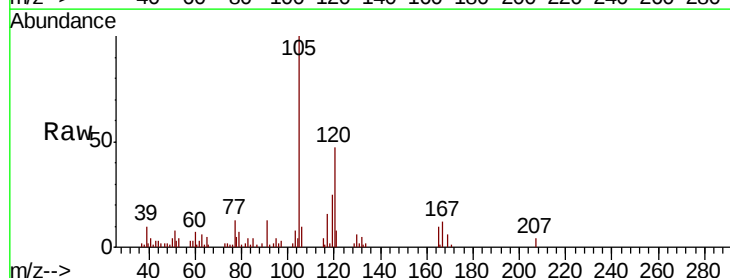
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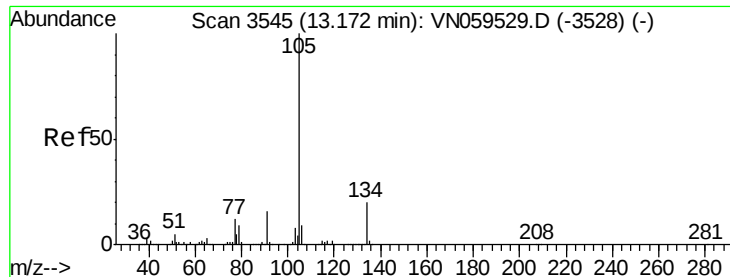
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#84
1,2,4-Trimethylbenzene
Concen: 2.747 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





#85

sec-Butylbenzene

Concen: 2.793 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

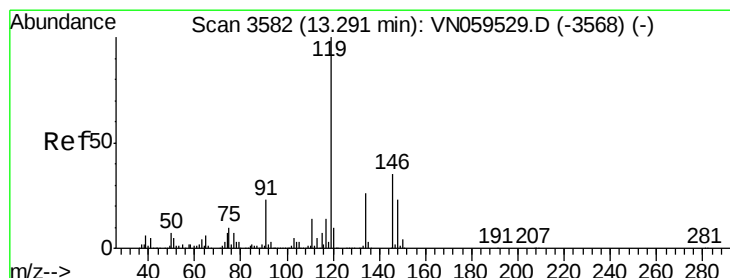
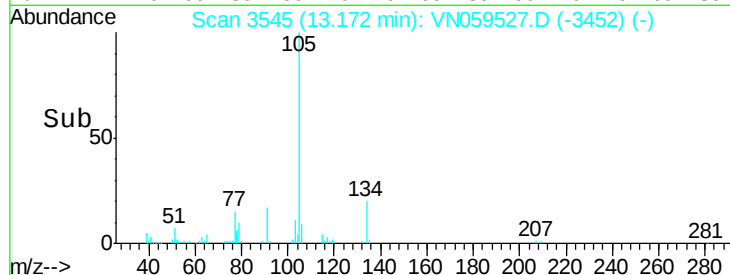
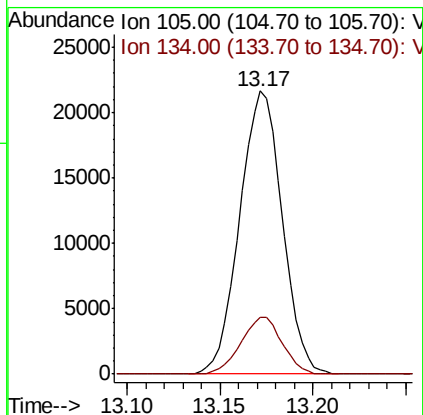
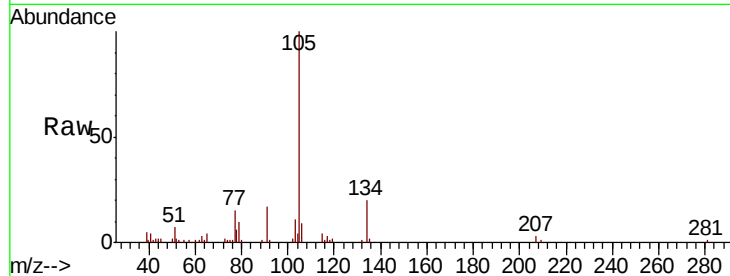
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 2.686 ug/l

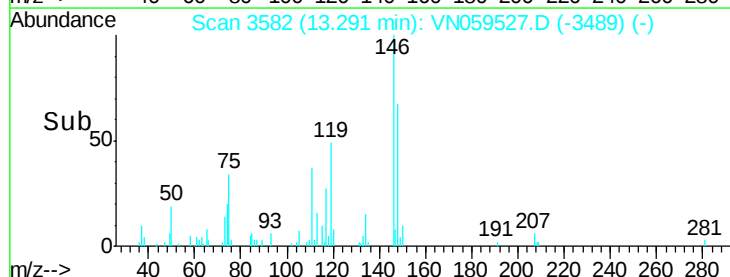
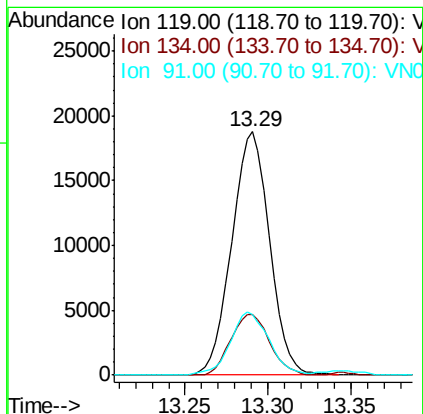
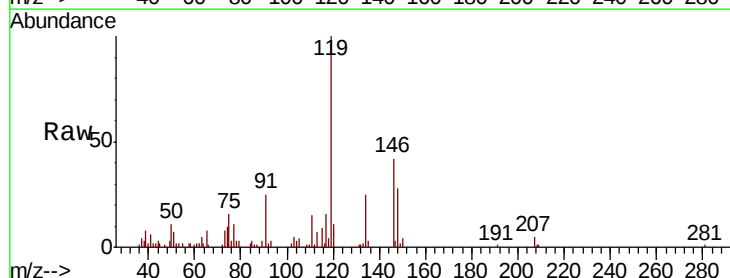
RT: 13.29 min Scan# 3582

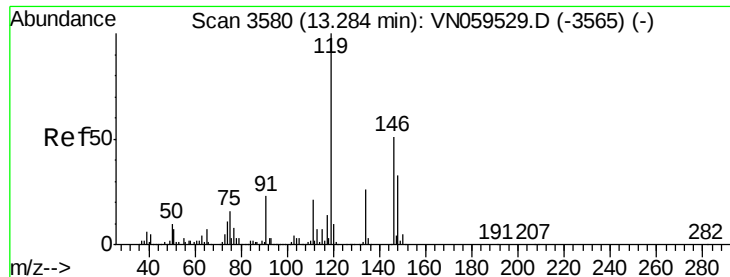
Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.0	39.0
91	26.3	11.7	35.1





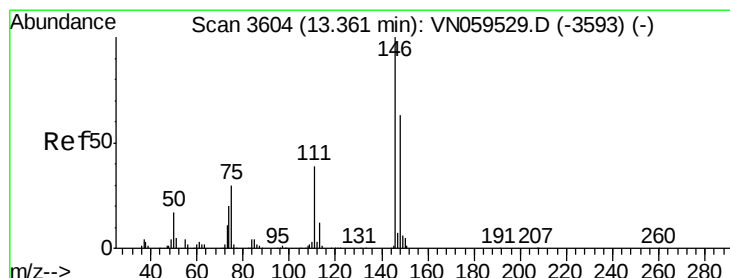
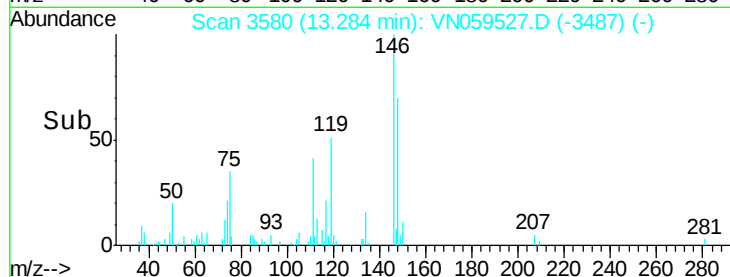
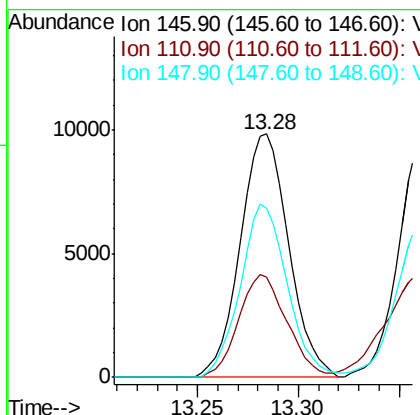
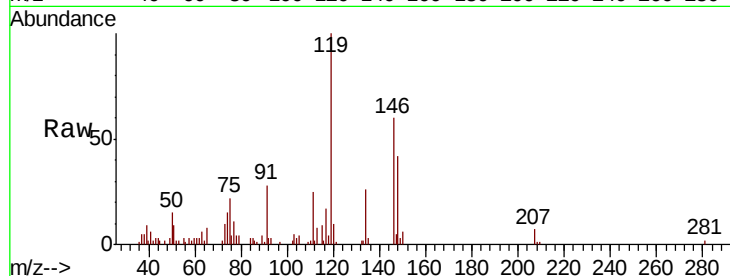
#87
 1,3-Dichlorobenzene
 Concen: 2.911 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.8
148	68.9	32.0	96.0

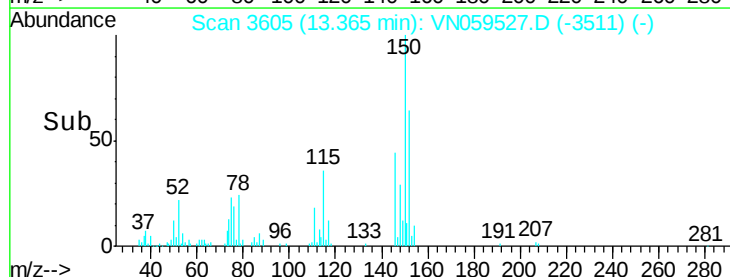
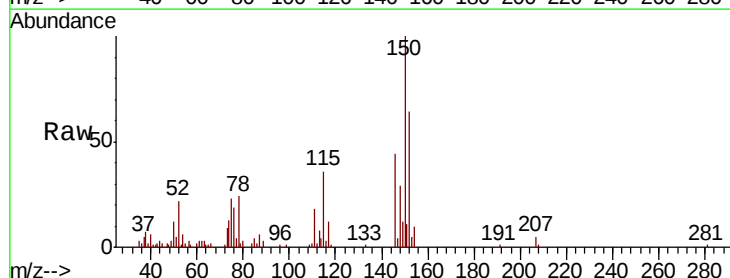
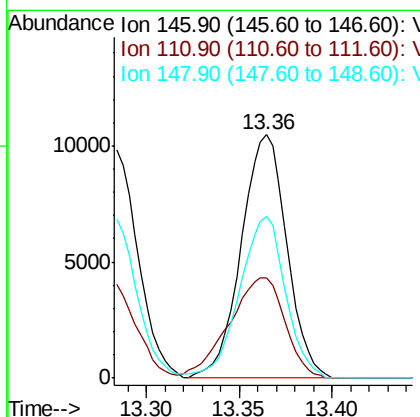
Manual Integrations
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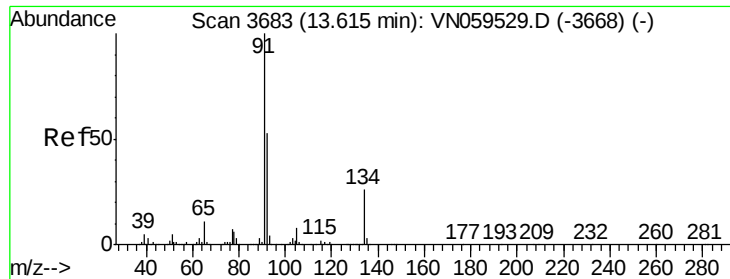
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 3.097 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.8	20.0	59.9
148	66.9	31.9	95.7





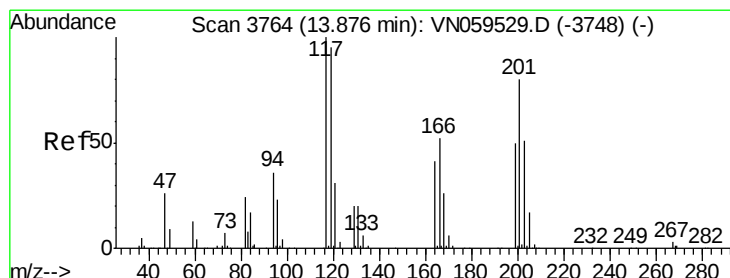
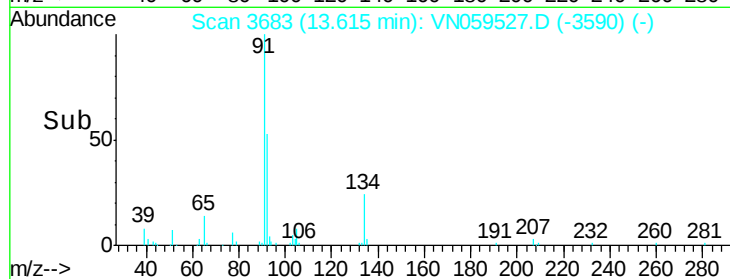
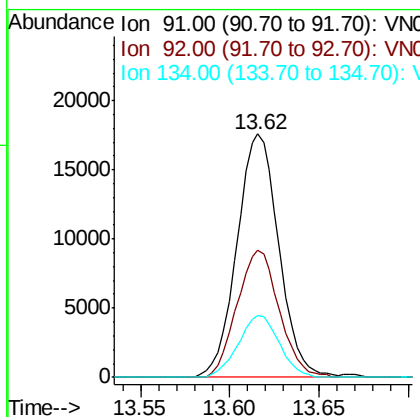
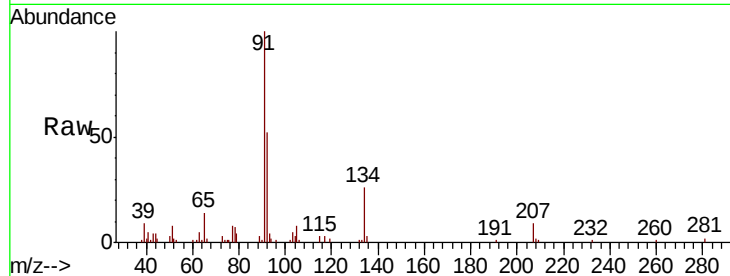
#89
n-Butylbenzene
Concen: 2.891 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	24.8	12.8	38.4

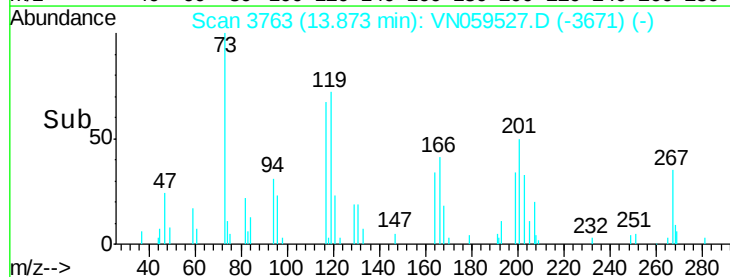
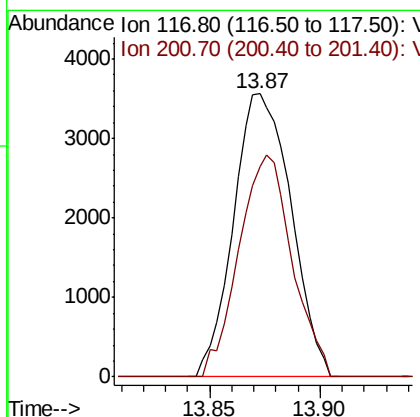
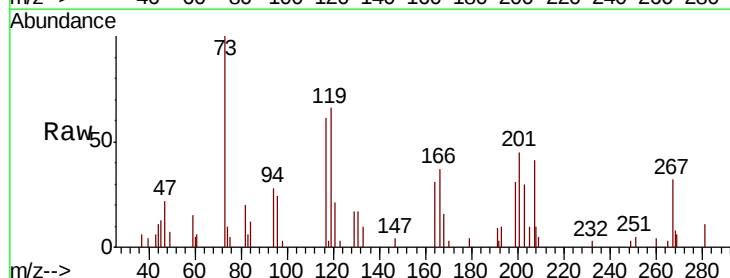
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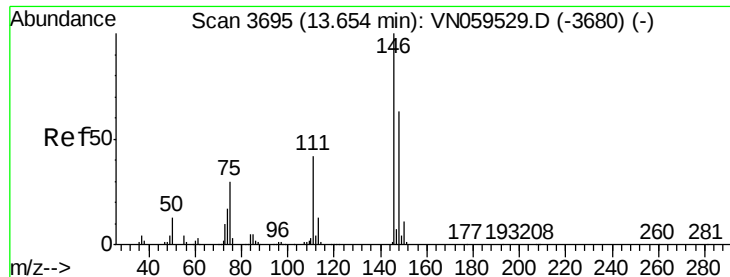
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#90
Hexachloroethane
Concen: 3.023 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	40.5	121.5





#91

1,2-Dichlorobenzene

Concen: 3.039 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Instrument :

MSVOA_N

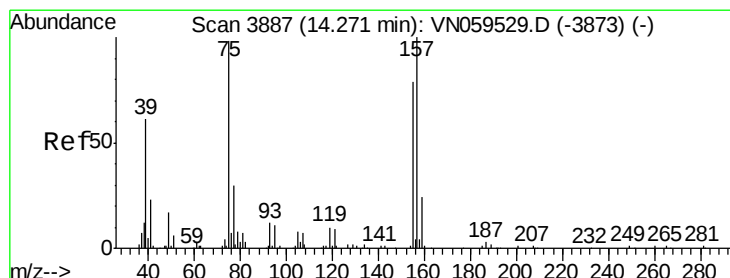
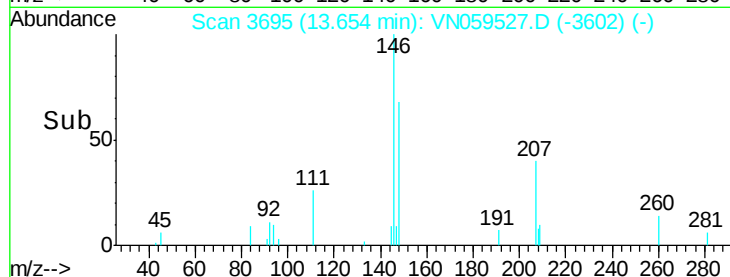
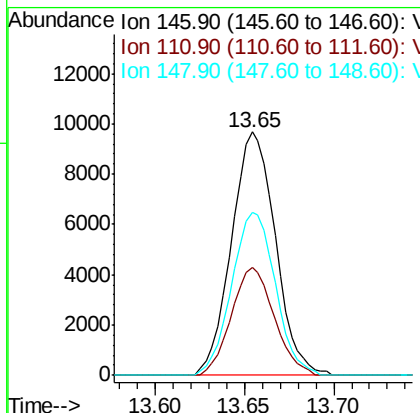
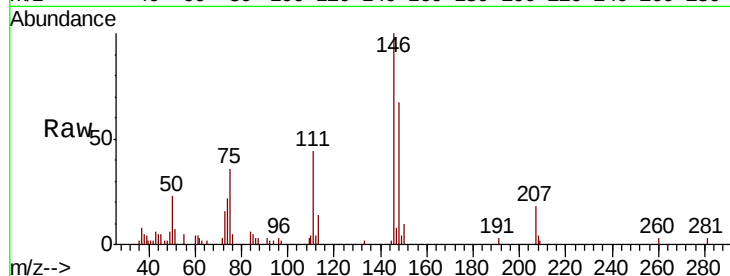
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	16584
Ion Ratio	Lower	Upper	
146	100		
111	43.2	20.9	62.7
148	66.3	31.6	94.8

Manual Integrations
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apatel
12/10/2019 5:10:40 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.286 ug/l

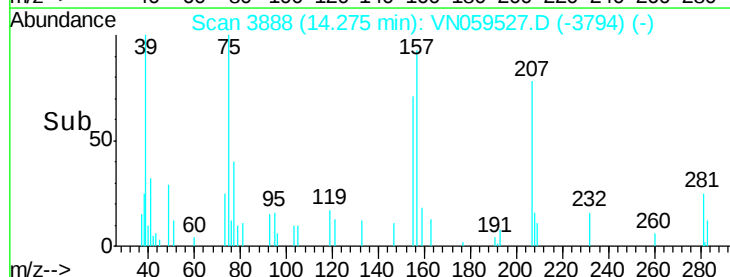
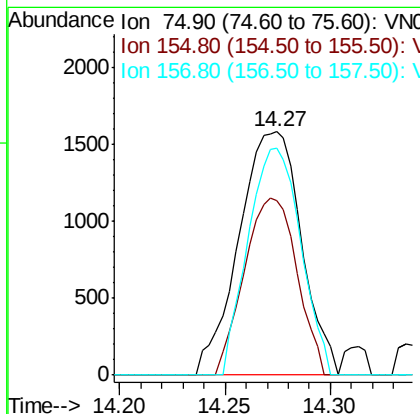
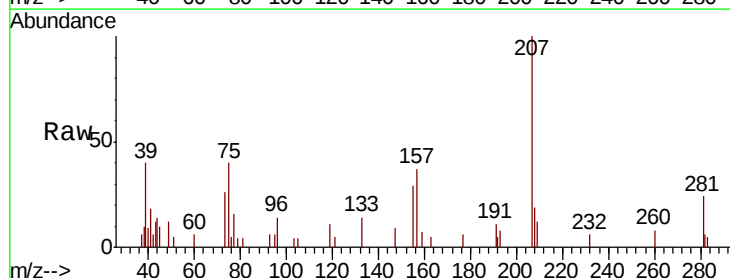
RT: 14.27 min Scan# 3888

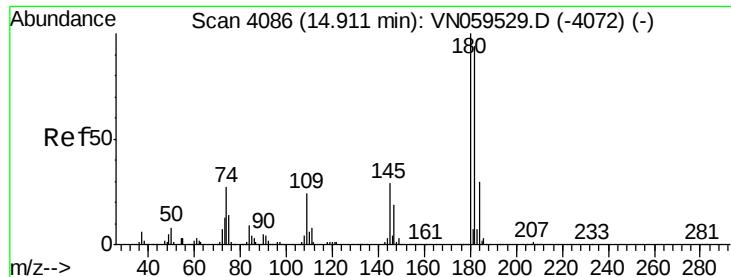
Delta R.T. 0.00 min

Lab File: VN059527.D

Acq: 9 Dec 2019 15:08

Tgt Ion:	75	Resp:	3256
Ion Ratio	Lower	Upper	
75	100		
155	61.2	40.4	121.1
157	78.8	51.1	153.3





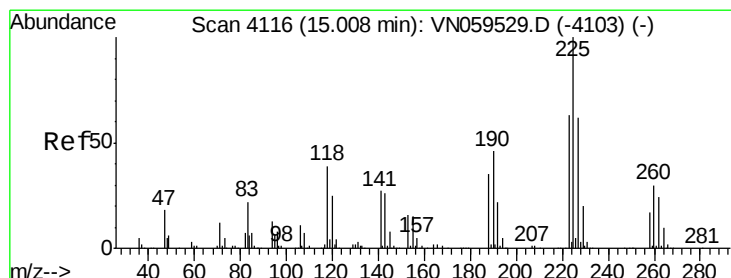
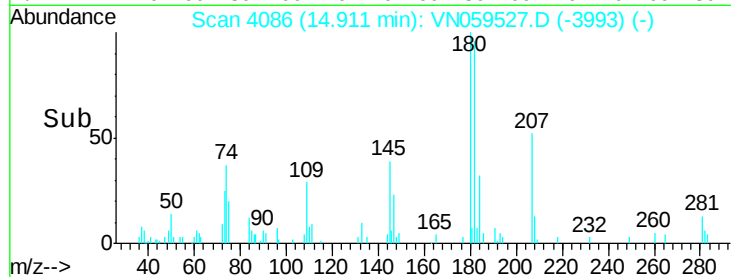
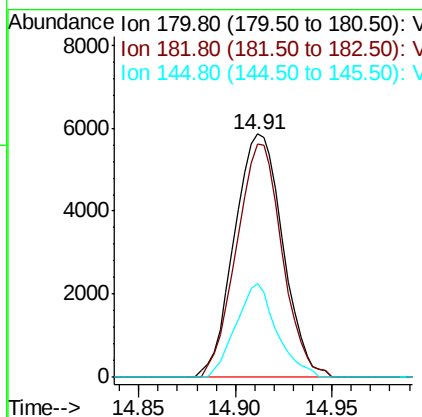
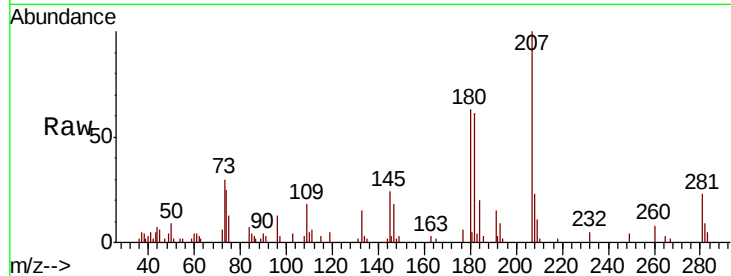
#93
 1,2,4-Trichlorobenzene
 Concen: 2.969 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	90.5	47.3	142.0	
145	32.5	14.9	44.7	

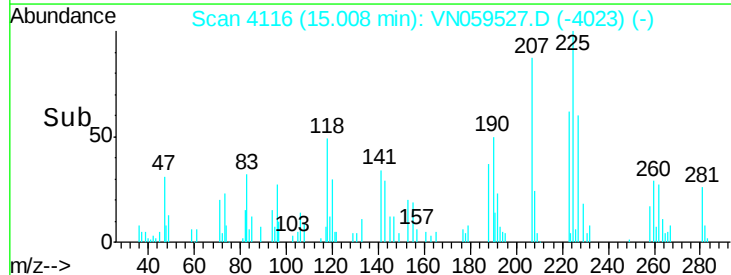
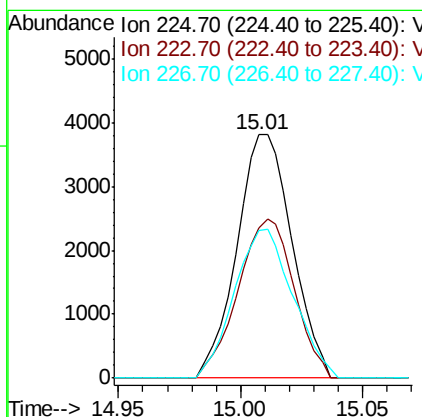
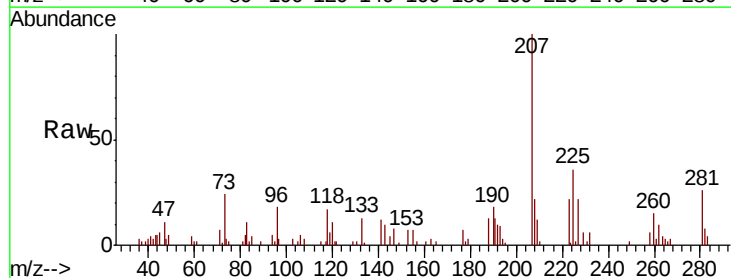
Manual Integrations
 APPROVED

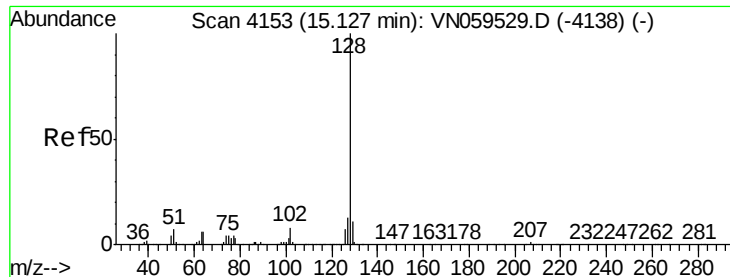
apatel
 12/10/2019 5:10:40 PM



#94
 Hexachlorobutadiene
 Concen: 2.795 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059527.D
 Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.5	31.3	93.9	
227	65.0	31.6	95.0	





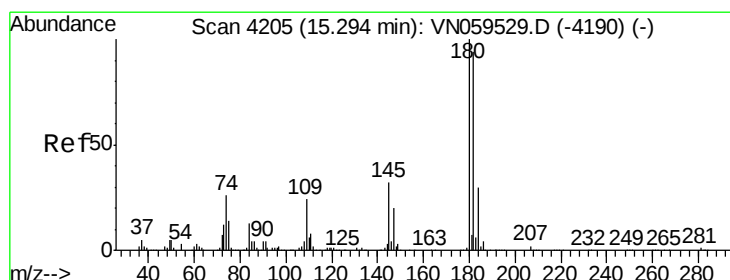
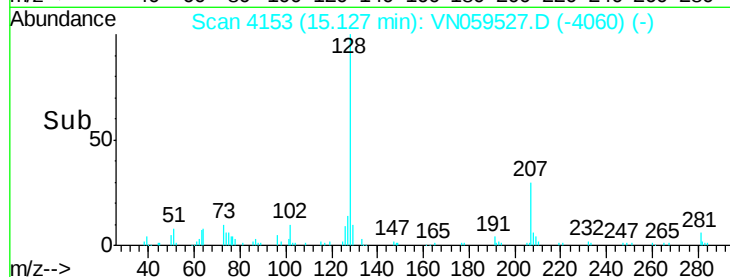
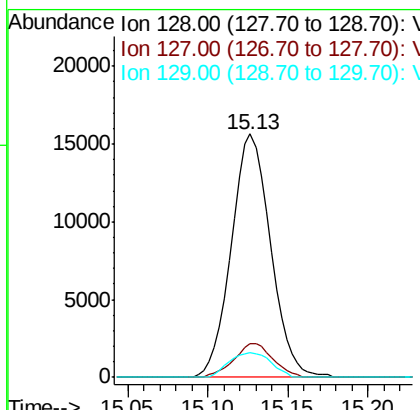
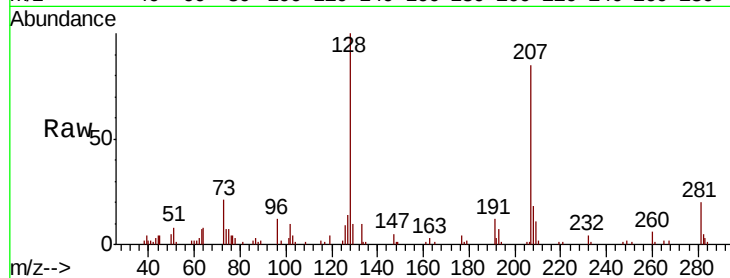
#95
Naphthalene
Concen: 2.597 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.809 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059527.D
Acq: 9 Dec 2019 15:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.4
145	35.4	15.8	47.4

