

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059534.D
 Acq On : 9 Dec 2019 17:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 12/10/2019 5:11:00 PM

Quant Time: Dec 09 18:03:58 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	7.65	168	250879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	487365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	372497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	19292	6.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.40%	
35) Dibromofluoromethane	7.57	113	13160	4.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.88%	
50) Toluene-d8	10.08	98	52601	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
62) 4-Bromofluorobenzene	12.40	95	17447	4.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	17362	6.289	ug/l	93
3) Chloromethane	2.04	50	24001	6.370	ug/l	95
4) Vinyl Chloride	2.17	62	23953	9.432	ug/l	98
5) Bromomethane	2.54	94	15351	9.823	ug/l	98
6) Chloroethane	2.68	64	13893	9.364	ug/l	99
7) Trichlorofluoromethane	3.00	101	28105	9.279	ug/l	98
8) Diethyl Ether	3.39	74	10883	6.337	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	17606	6.763	ug/l	96
10) Methyl Iodide	3.93	142	21877	6.697	ug/l	97
11) Tert butyl alcohol	4.75	59	14625	25.667	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	17647	6.987	ug/l	91
13) Acrolein	3.58	56	10939	24.959	ug/l	100
14) Allyl chloride	4.29	41	26799	5.342	ug/l	98
15) Acrylonitrile	4.96	53	39999	25.909	ug/l	99
16) Acetone	3.79	43	49605	24.233	ug/l	89
17) Carbon Disulfide	4.03	76	61726	7.109	ug/l	98
18) Methyl Acetate	4.30	43	22863	5.570	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	44720	5.146	ug/l	95
20) Methylene Chloride	4.53	84	18935	5.888	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	14516	5.107	ug/l	91
22) Diisopropyl ether	5.92	45	49034	5.242	ug/l	91
23) Vinyl Acetate	5.87	43	205582	27.262	ug/l	99
24) 1,1-Dichloroethane	5.82	63	28924	5.452	ug/l	98
25) 2-Butanone	6.81	43	55416	23.946	ug/l	99
26) 2,2-Dichloropropane	6.80	77	25288	5.458	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	16821	5.318	ug/l	100
28) Bromochloromethane	7.17	49	5862	3.467	ug/l #	99
29) Tetrahydrofuran	7.19	42	42513	29.075	ug/l	99
30) Chloroform	7.35	83	28628	5.545	ug/l	100
31) Cyclohexane	7.63	56	30374	5.947	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	25255	5.610	ug/l	98
36) 1,1-Dichloropropene	7.77	75	22092	4.448	ug/l	97
37) Ethyl Acetate	6.91	43	24563	4.426	ug/l #	86
38) Carbon Tetrachloride	7.75	117	22459	4.679	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	23459	3.956	ug/l	92
40) Benzene	8.02	78	63233	4.366	ug/l	96
41) Methacrylonitrile	7.15	41	9540m	4.168	ug/l	
42) 1,2-Dichloroethane	8.11	62	24207	4.813	ug/l	100
43) Isopropyl Acetate	8.15	43	37087	4.466	ug/l	98
44) Trichloroethene	8.82	130	16304	4.317	ug/l	99
45) 1,2-Dichloropropane	9.11	63	16919	4.365	ug/l	98
46) Dibromomethane	9.20	93	11316	4.664	ug/l	95
47) Bromodichloromethane	9.39	83	21844	4.475	ug/l	98
48) Methyl methacrylate	9.19	41	15185	4.060	ug/l	97
49) 1,4-Dioxane	9.19	88	4173	75.750	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	107145	21.781	ug/l	100
52) Toluene	10.15	92	36815	4.213	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	24087	4.207	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	25493	4.221	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	14965	4.338	ug/l	96
56) Ethyl methacrylate	10.42	69	18745	3.750	ug/l	96
57) 1,3-Dichloropropane	10.70	76	25531	4.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	36465	24.970	ug/l	99
59) 2-Hexanone	10.75	43	75698	20.447	ug/l	99
60) Dibromochloromethane	10.90	129	15307	4.129	ug/l	99
61) 1,2-Dibromoethane	11.00	107	15087	4.221	ug/l	99
64) Tetrachloroethene	10.63	164	14573	4.829	ug/l	96
65) Chlorobenzene	11.43	112	39563	4.990	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	14769	5.165	ug/l	98
67) Ethyl Benzene	11.51	91	71172	5.112	ug/l	99
68) m/p-Xylenes	11.62	106	50520	9.666	ug/l	98
69) o-Xylene	11.95	106	23399	4.701	ug/l	94
70) Styrene	11.96	104	35454	4.447	ug/l	95
71) Bromoform	12.13	173	10484	4.641	ug/l #	94
73) Isopropylbenzene	12.25	105	63462	5.026	ug/l	100
74) N-amyl acetate	12.07	43	25542	4.954	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	22134	5.400	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	23909m	5.907	ug/l	
77) Bromobenzene	12.53	156	15948	4.988	ug/l	90
78) n-propylbenzene	12.59	91	87730	5.910	ug/l	100
79) 2-Chlorotoluene	12.67	91	52846	5.897	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	52147	4.879	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	7579	5.082	ug/l #	85
82) 4-Chlorotoluene	12.77	91	47944	5.165	ug/l	98
83) tert-Butylbenzene	12.99	119	45313	4.889	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	52553	5.019	ug/l	98
85) sec-Butylbenzene	13.17	105	61416	4.986	ug/l	98
86) p-Isopropyltoluene	13.29	119	53941	4.870	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	28599	5.025	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	28430	4.948	ug/l	92
89) n-Butylbenzene	13.62	91	52035	5.229	ug/l	96
90) Hexachloroethane	13.88	117	10538	4.938	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	28776	5.283	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5913	5.977	ug/l	75

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ClientSampleId :
VSTDICC005

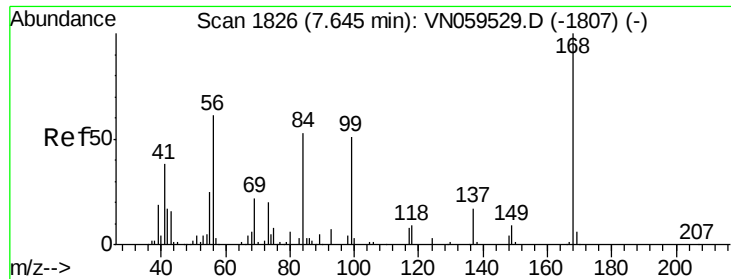
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17549	5.122	ug/l	98
94) Hexachlorobutadiene	15.01	225	10214	4.789	ug/l	96
95) Naphthalene	15.13	128	49300	4.908	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	18240	4.977	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 250879

Ion Ratio Lower Upper

168 100

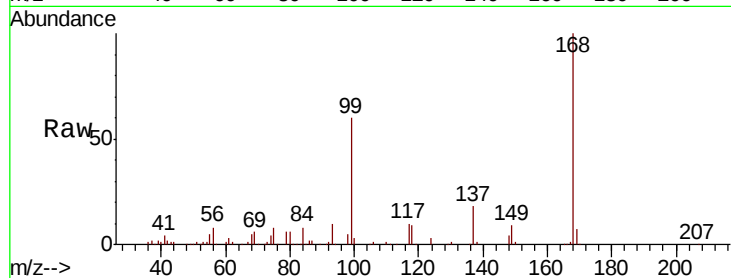
99 60.0 46.6 70.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

120000

100000

80000

60000

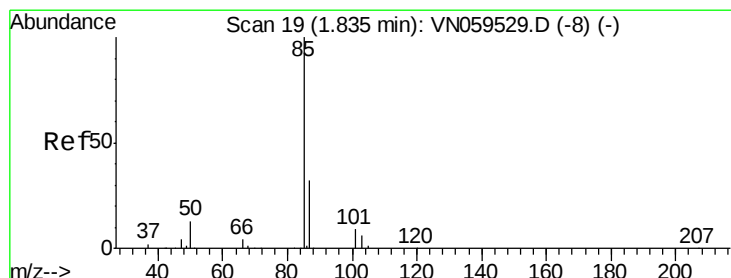
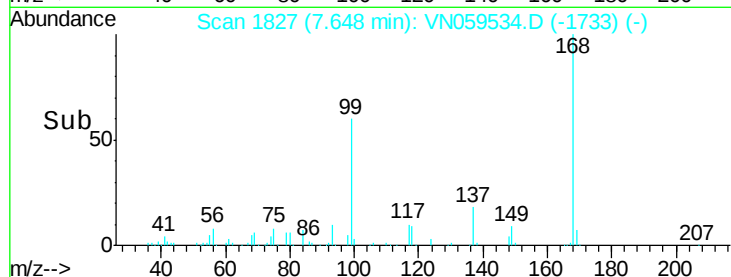
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 6.289 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059534.D

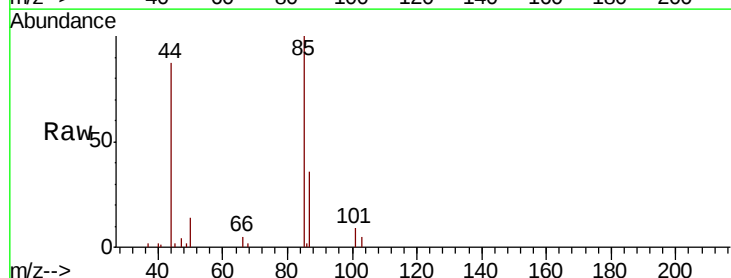
Acq: 9 Dec 2019 17:41

Tgt Ion: 85 Resp: 17362

Ion Ratio Lower Upper

85 100

87 35.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

15000

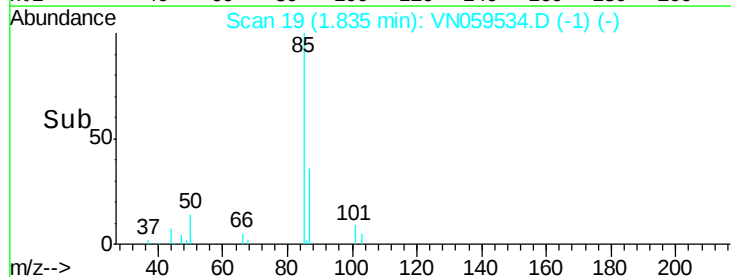
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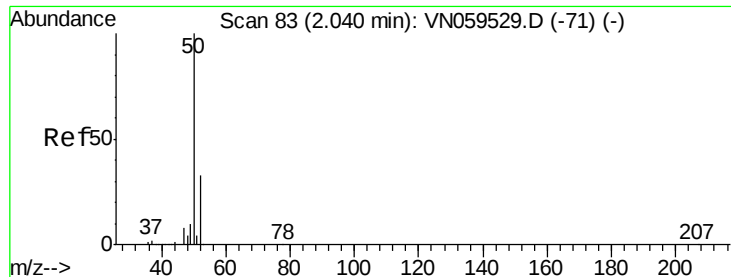
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 6.370 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24001

Ion Ratio Lower Upper

50 100

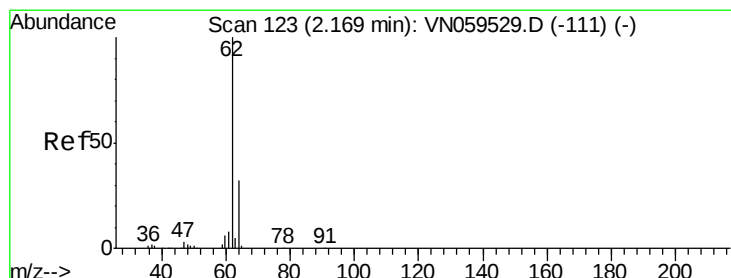
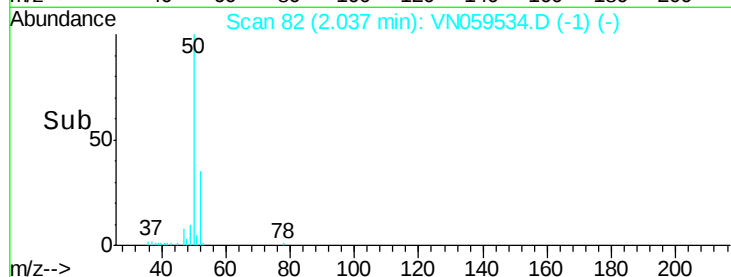
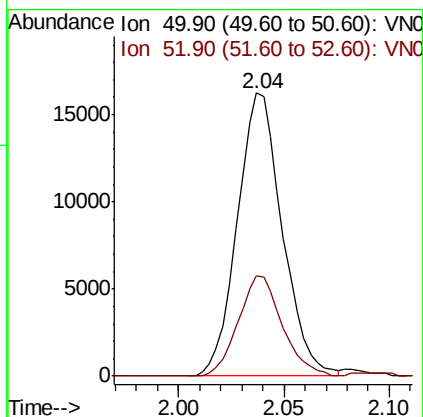
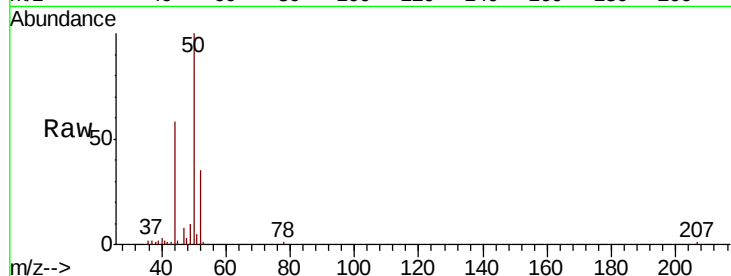
52 35.5 26.2 39.4

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#4

Vinyl Chloride

Concen: 9.432 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059534.D

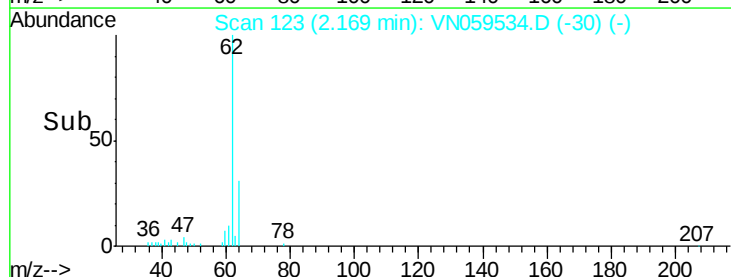
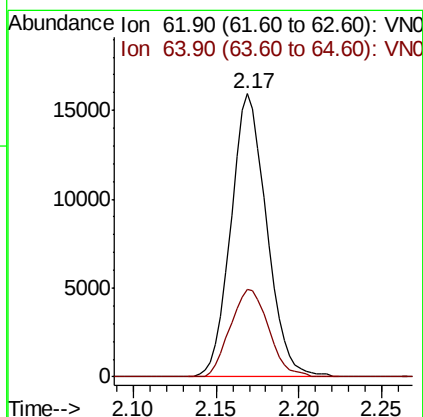
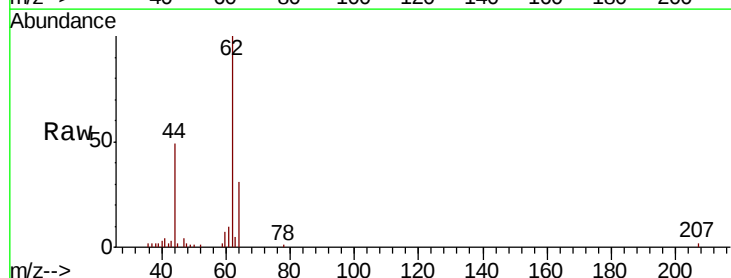
Acq: 9 Dec 2019 17:41

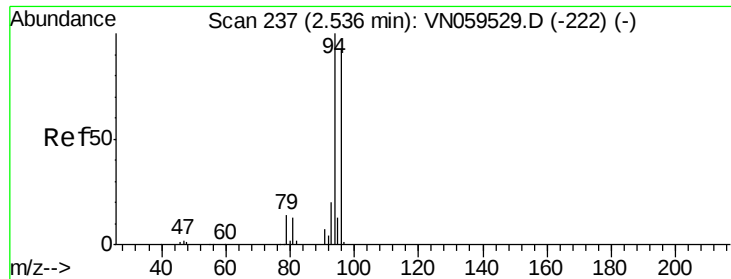
Tgt Ion: 62 Resp: 23953

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.0





#5

Bromomethane

Concen: 9.823 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15351

Ion Ratio Lower Upper

94 100

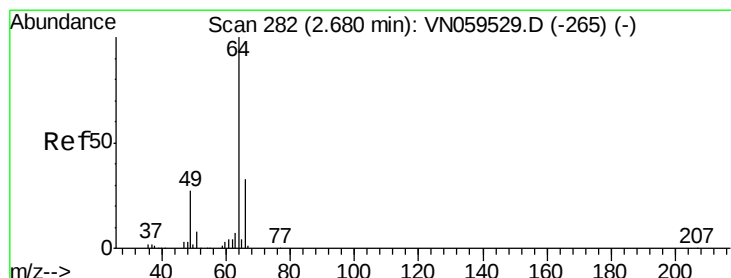
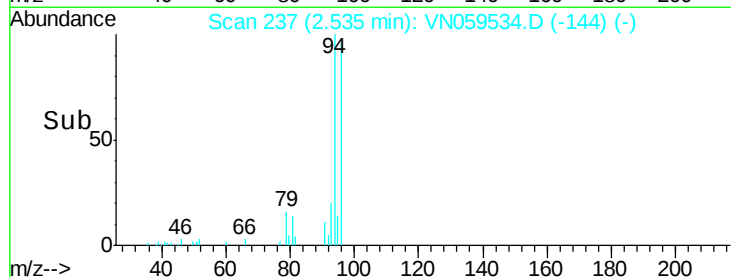
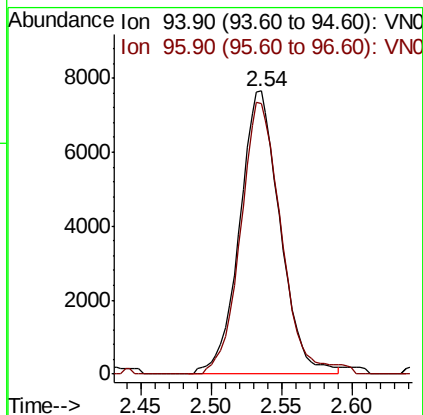
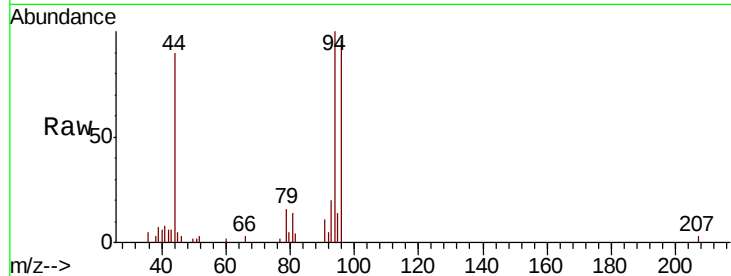
96 95.6 74.6 112.0

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#6

Chloroethane

Concen: 9.364 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059534.D

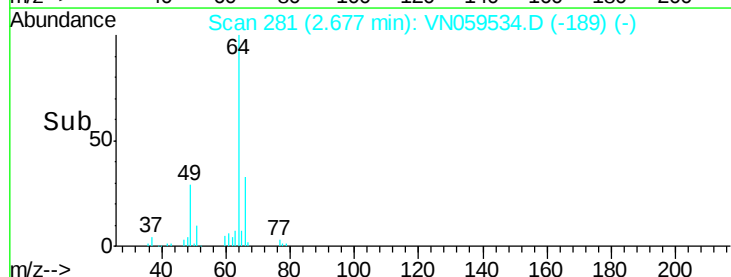
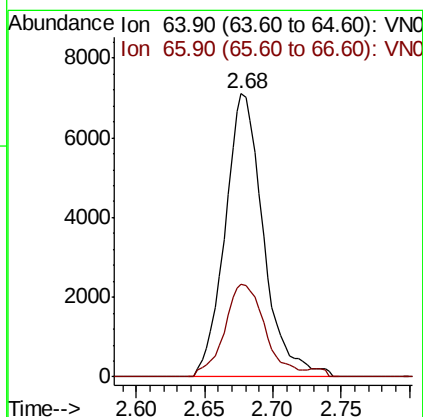
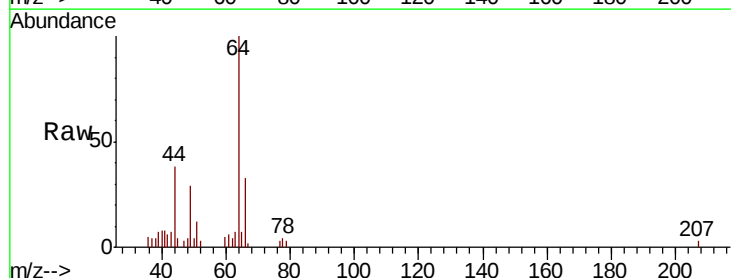
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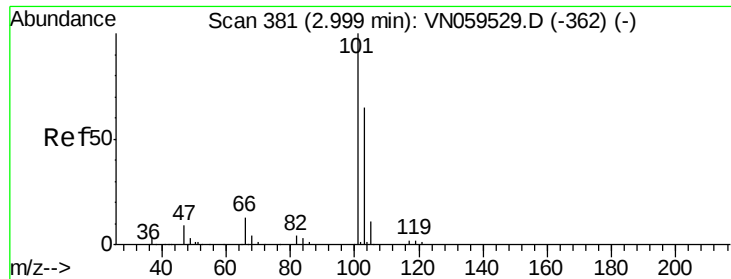
Tgt Ion: 64 Resp: 13893

Ion Ratio Lower Upper

64 100

66 32.6 26.7 40.1





#7

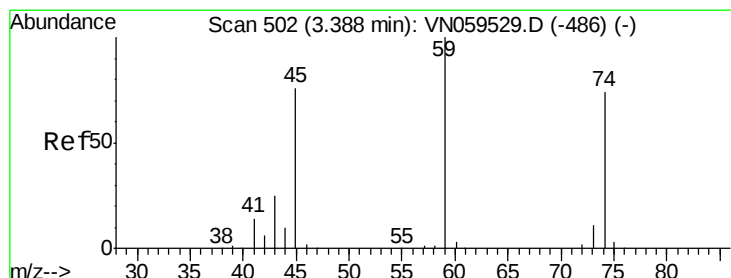
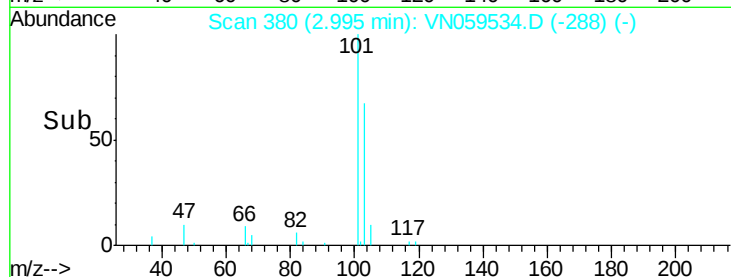
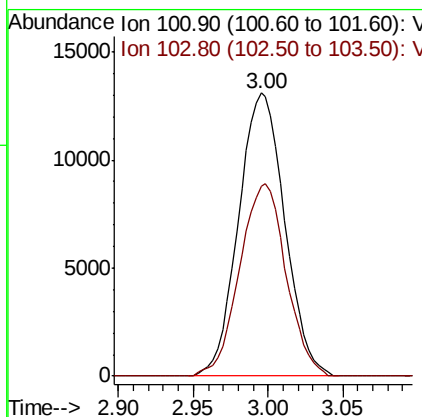
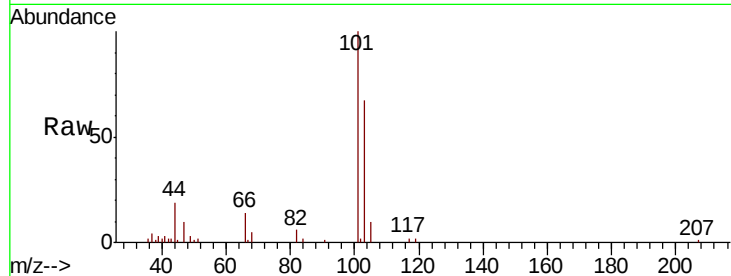
Trichlorofluoromethane
Concen: 9.279 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

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ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
28105	101	100		
	103	67.0	52.2	78.4

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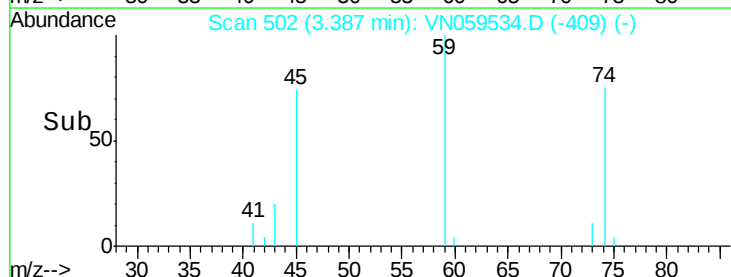
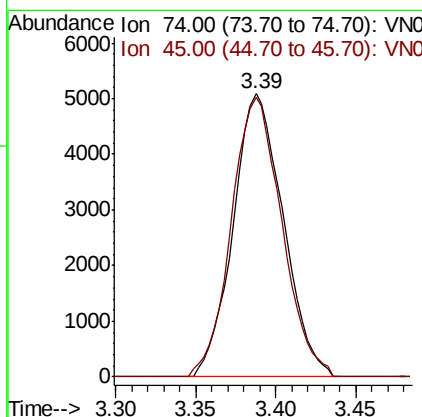
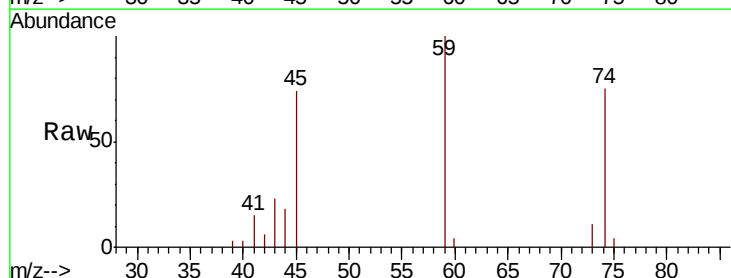
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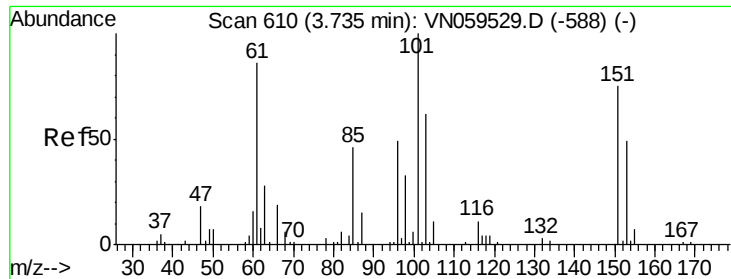


#8

Diethyl Ether
Concen: 6.337 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ion	Ratio	Lower	Upper
10883	74	100		
	45	99.7	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.763 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

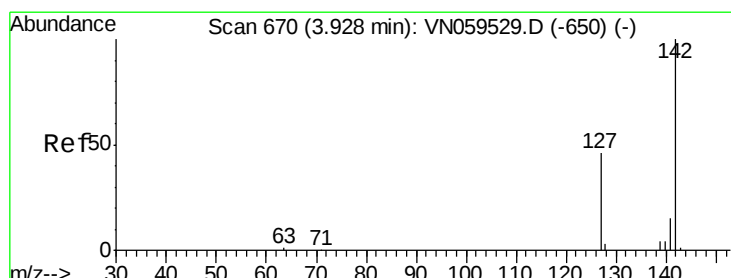
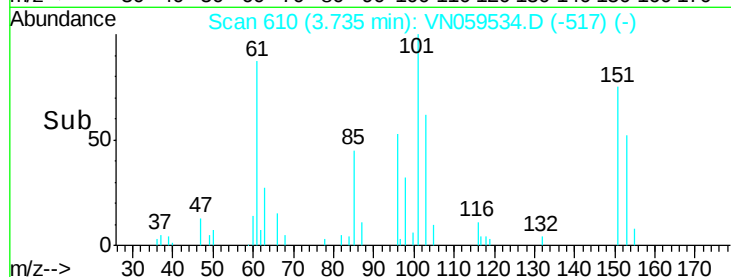
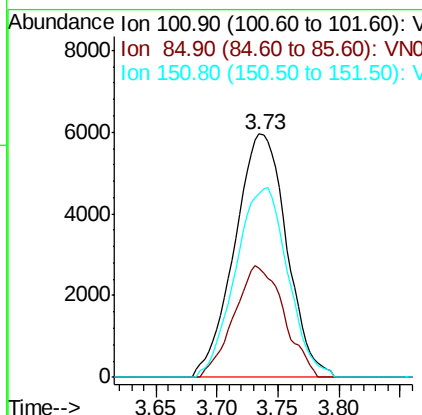
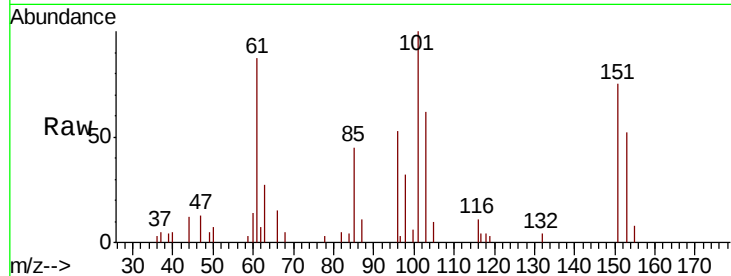
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17606
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	54.8
151	78.5	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 6.697 ug/l

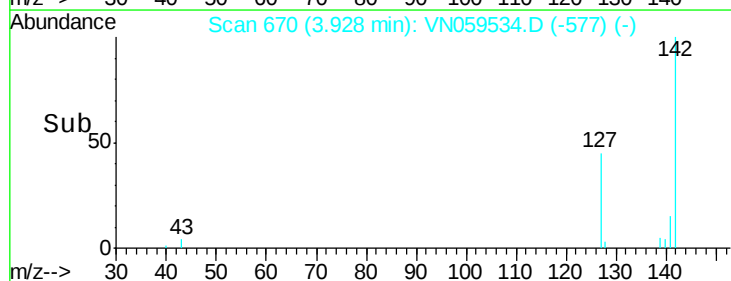
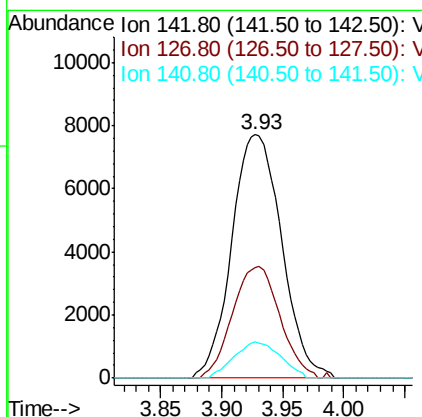
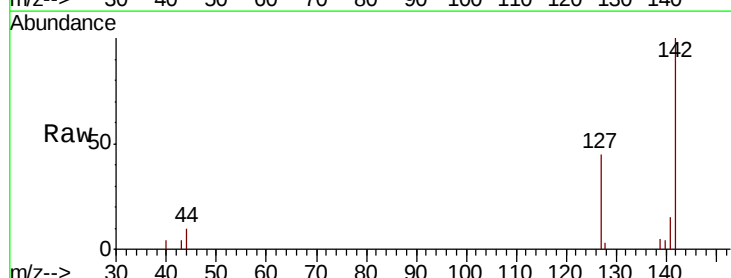
RT: 3.93 min Scan# 670

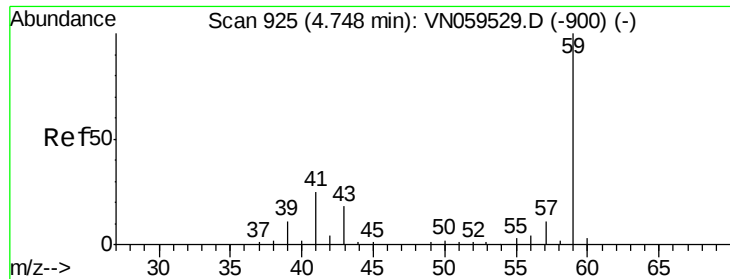
Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Tgt Ion:	142	Resp:	21877
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.6	54.8
141	13.9	11.6	17.4





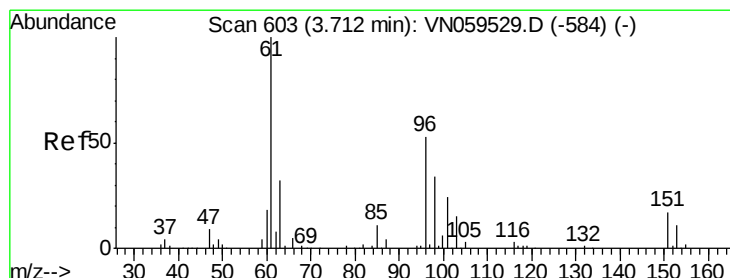
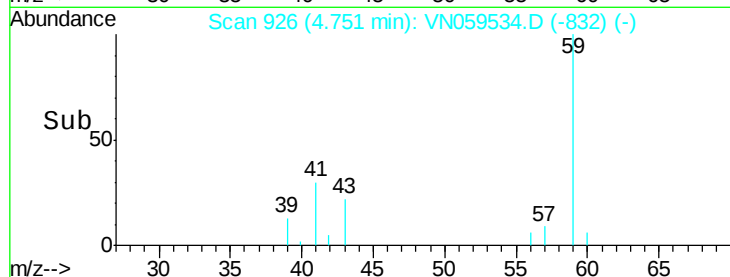
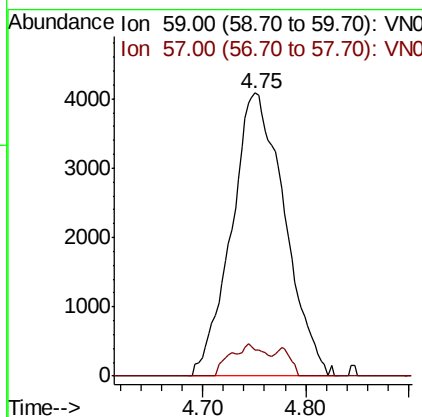
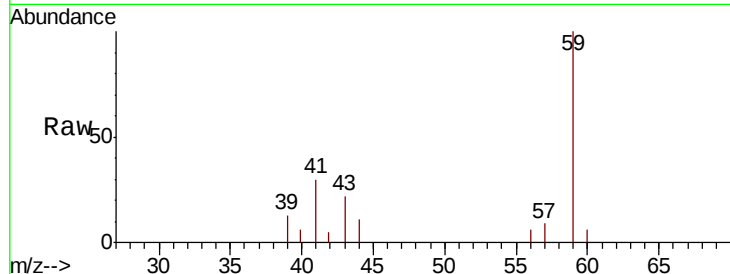
#11
Tert butyl alcohol
Concen: 25.667 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 14625
Ion Ratio Lower Upper
59 100
57 7.4 8.6 13.0#

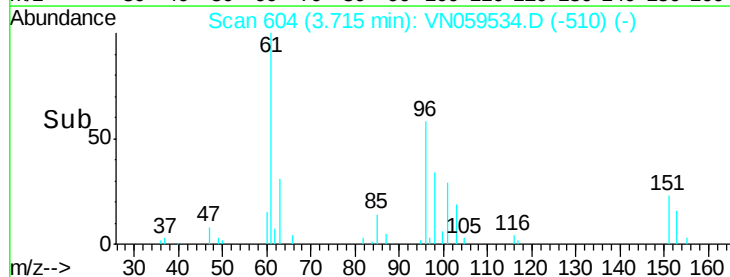
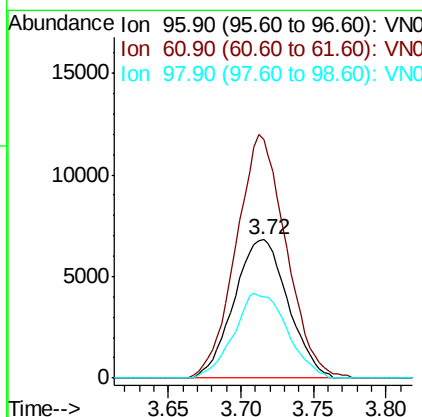
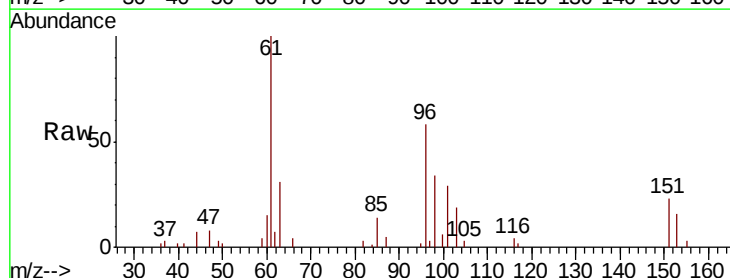
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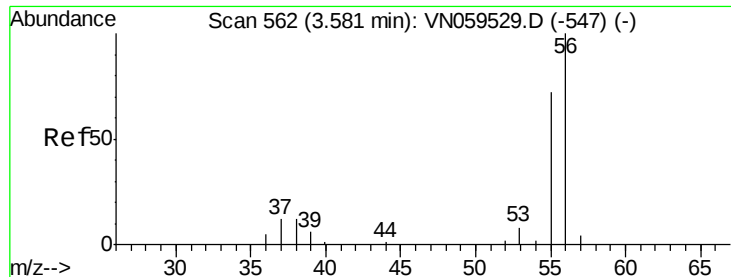
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#12
1,1-Dichloroethene
Concen: 6.987 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion: 96 Resp: 17647
Ion Ratio Lower Upper
96 100
61 172.3 149.8 224.6
98 59.0 50.6 75.8





#13

Acrolein

Concen: 24.959 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10939

Ion Ratio Lower Upper

56 100

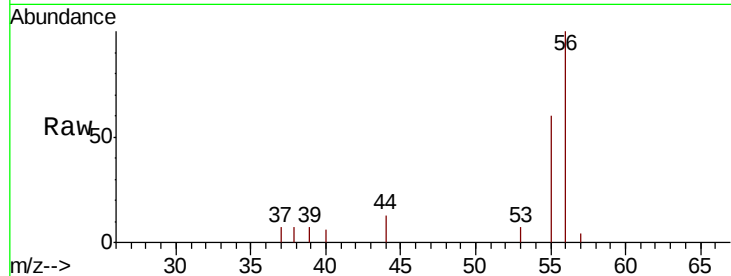
55 71.4 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

4000

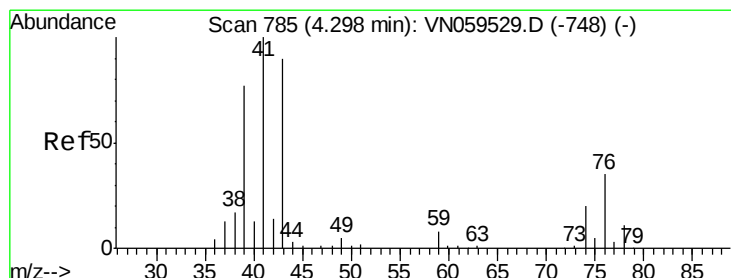
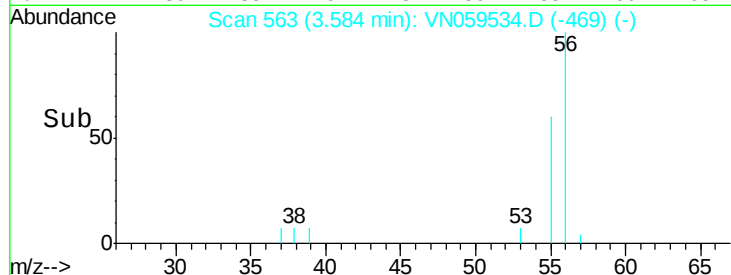
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 5.342 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

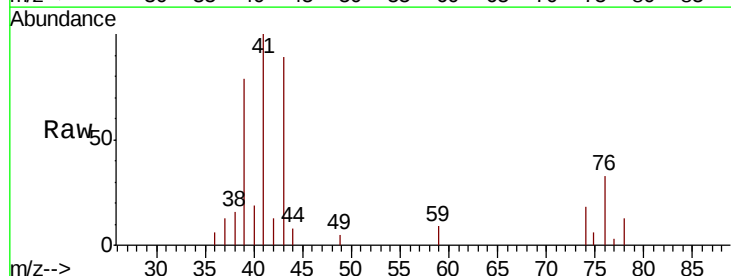
Tgt Ion: 41 Resp: 26799

Ion Ratio Lower Upper

41 100

39 72.8 56.7 85.1

76 31.2 25.5 38.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

10000

8000

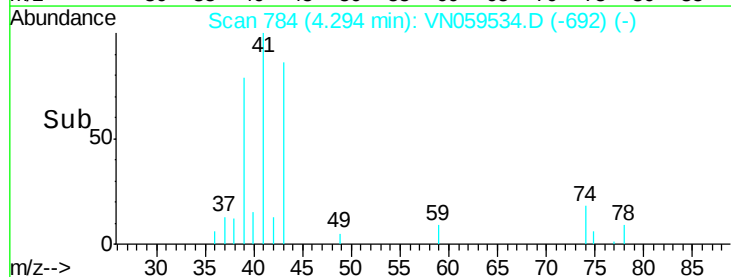
6000

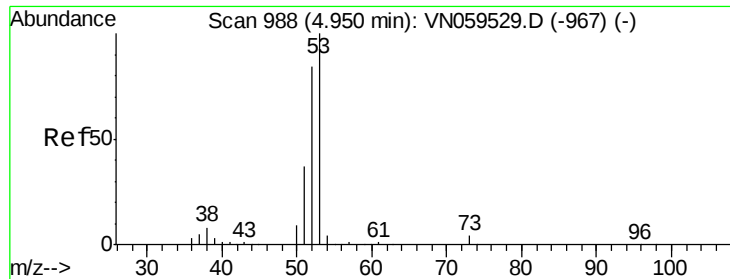
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 25.909 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

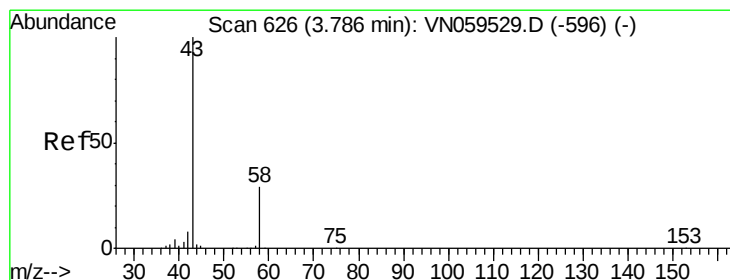
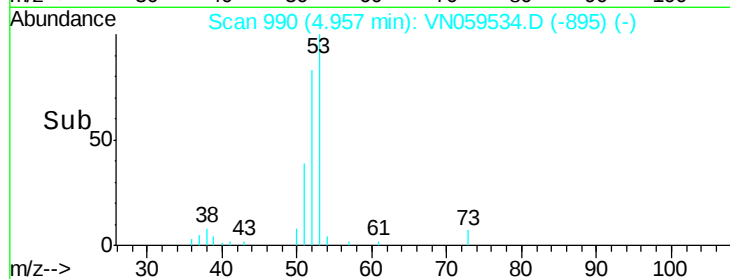
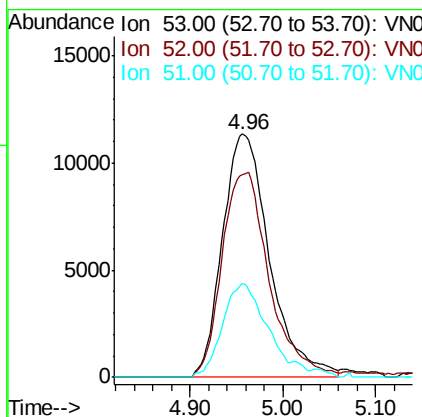
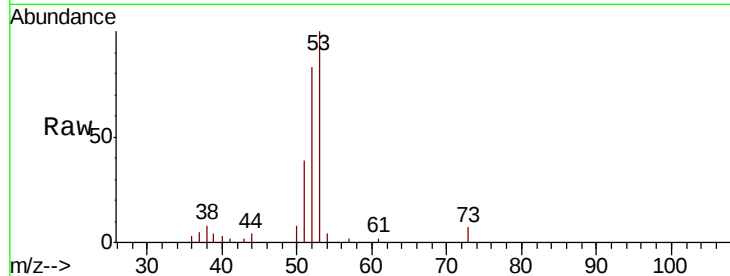
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	39999
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.6	99.8
51	37.3	29.8	44.8

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#16

Acetone

Concen: 24.233 ug/l

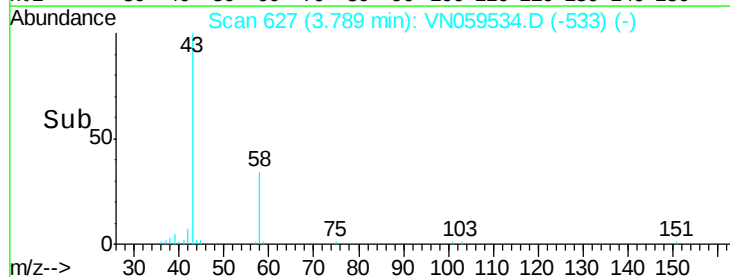
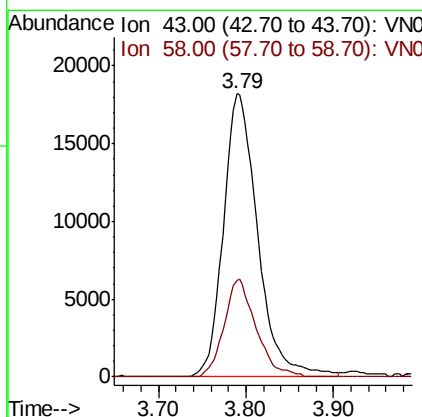
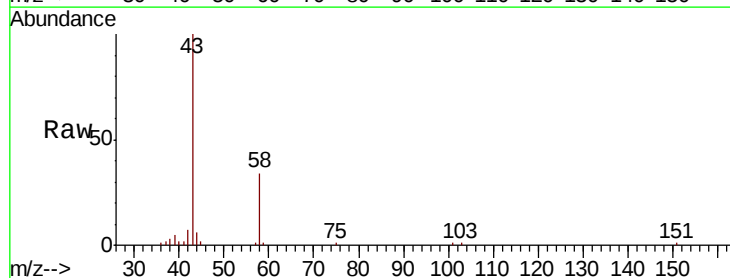
RT: 3.79 min Scan# 627

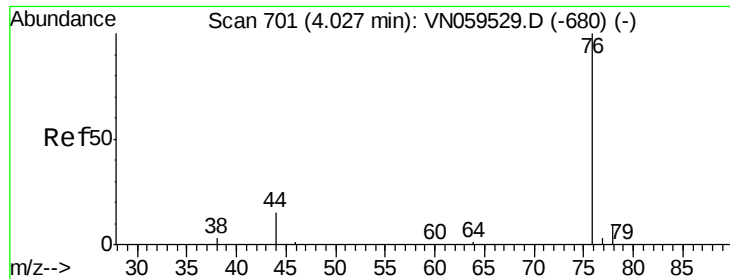
Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Tgt Ion:	43	Resp:	49605
Ion	Ratio	Lower	Upper
43	100		
58	34.3	23.0	34.4





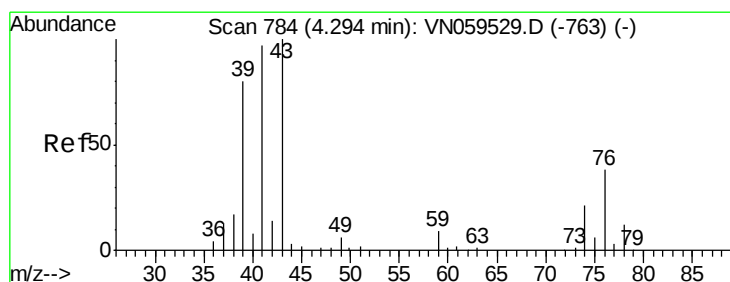
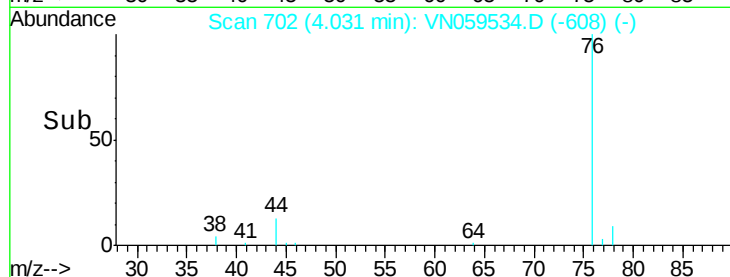
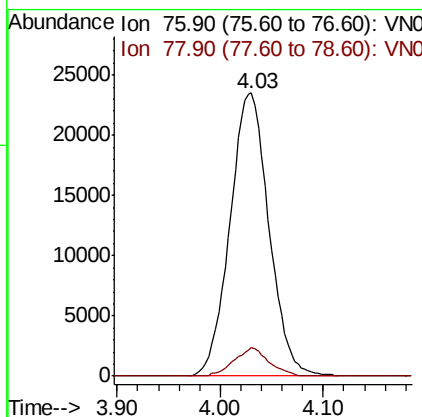
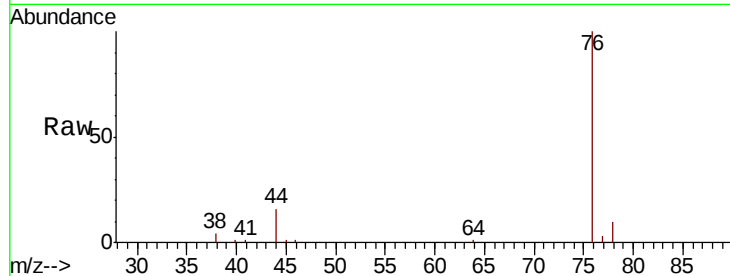
#17
Carbon Disulfide
Concen: 7.109 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 61726
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2

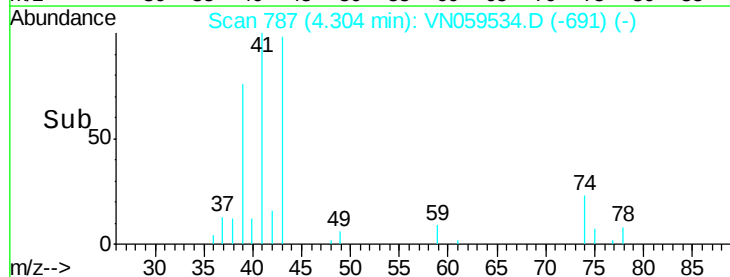
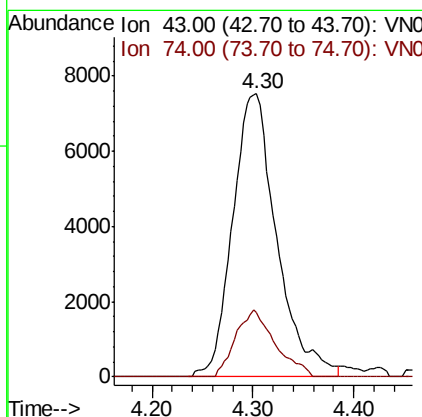
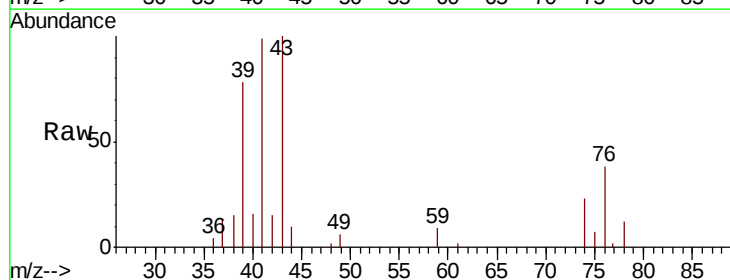
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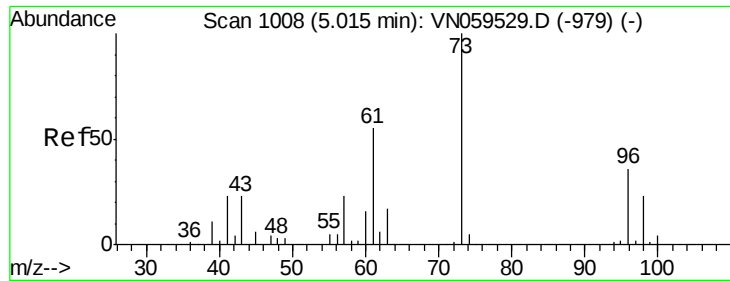
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#18
Methyl Acetate
Concen: 5.570 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion: 43 Resp: 22863
Ion Ratio Lower Upper
43 100
74 21.2 17.5 26.3





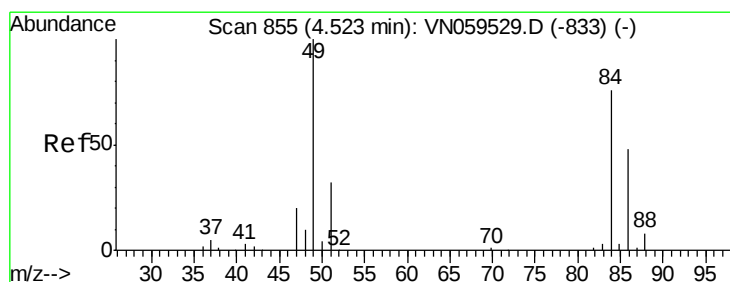
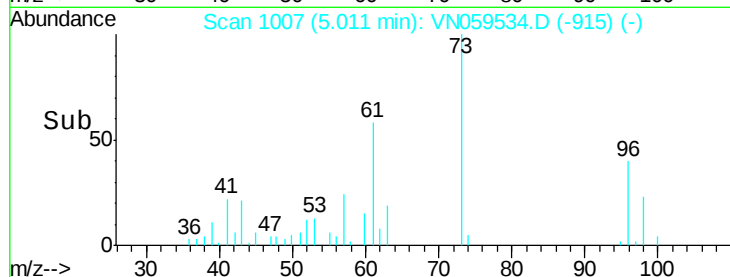
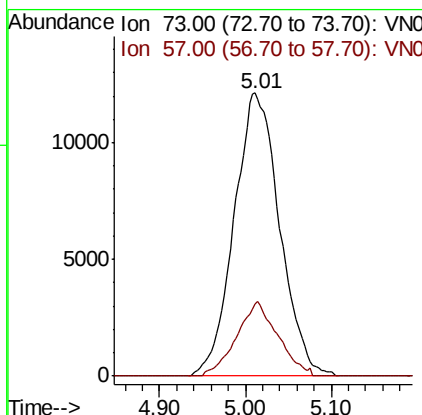
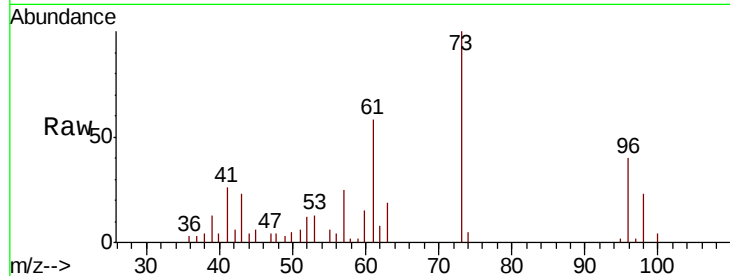
#19
Methvl tert-butvl Ether
Concen: 5.146 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 44720
Ion Ratio Lower Upper
73 100
57 25.3 18.3 27.5

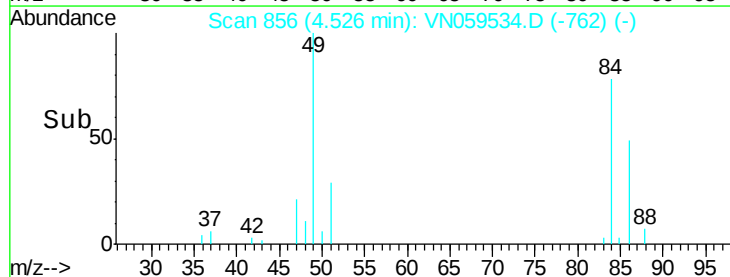
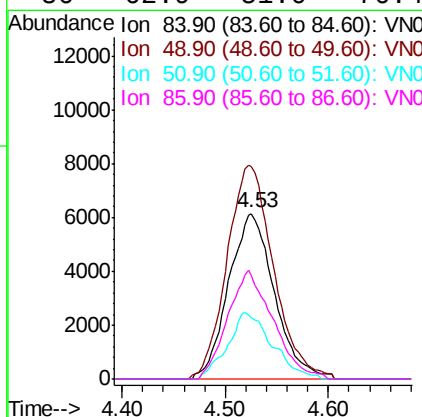
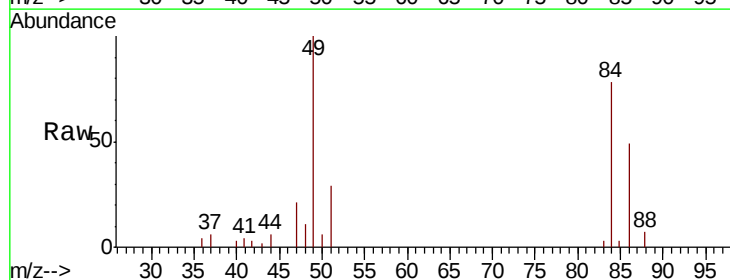
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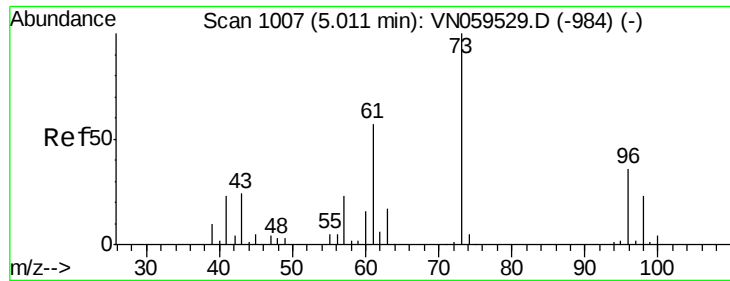
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#20
Methylene Chloride
Concen: 5.888 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion: 84 Resp: 18935
Ion Ratio Lower Upper
84 100
49 128.5 105.8 158.8
51 37.1 33.7 50.5
86 62.9 51.0 76.4





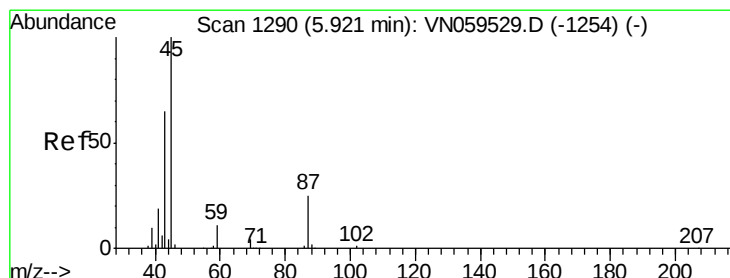
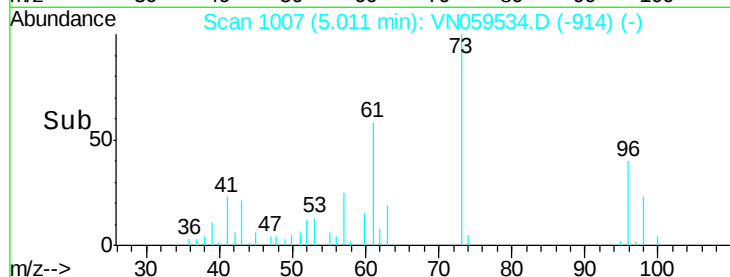
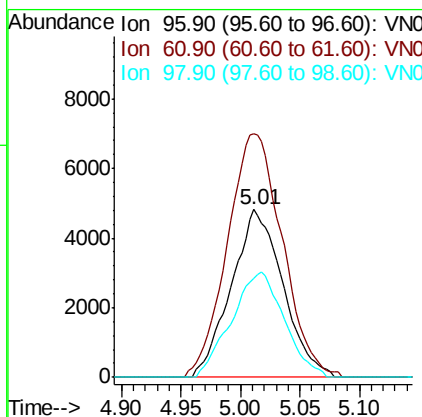
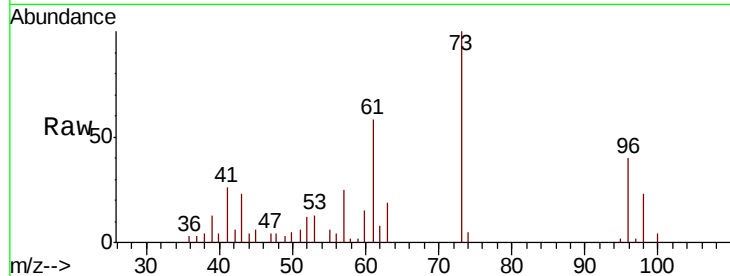
#21
trans-1,2-Dichloroethene
Concen: 5.107 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.1	124.8	187.2
98	58.7	51.0	76.4

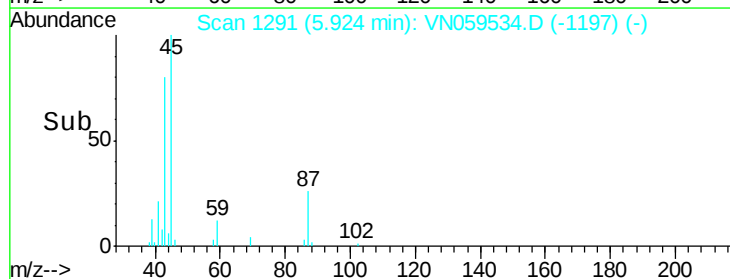
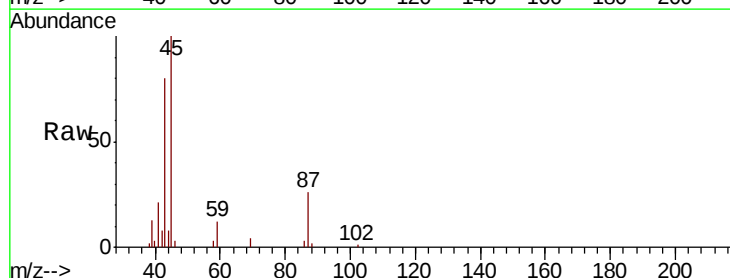
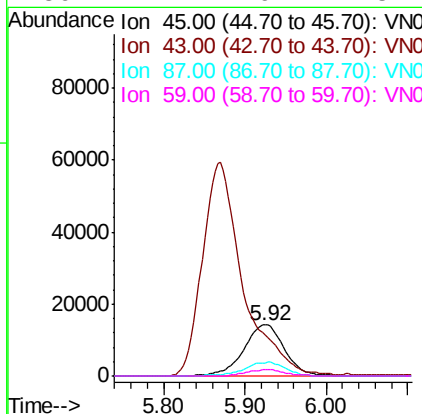
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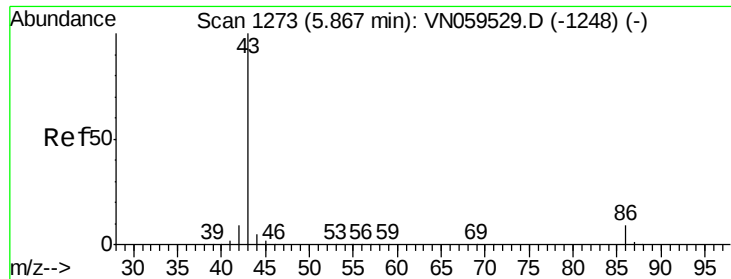
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#22
Diisopropyl ether
Concen: 5.242 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.7	52.8	79.2
87	26.2	20.2	30.4
59	12.2	9.1	13.7





#23

Vinyl Acetate

Concen: 27.262 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 205582

Ion Ratio Lower Upper

43 100

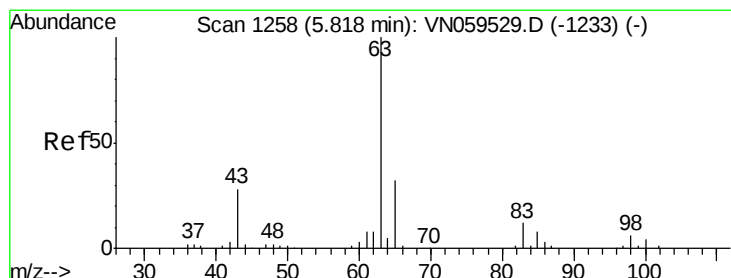
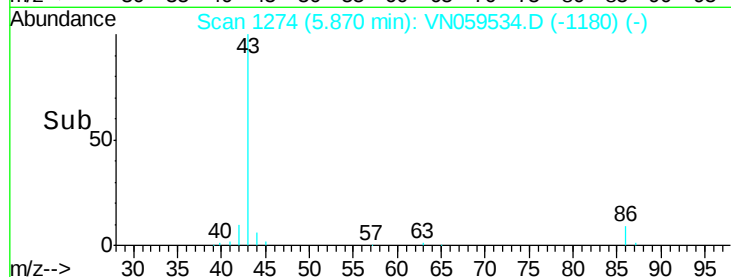
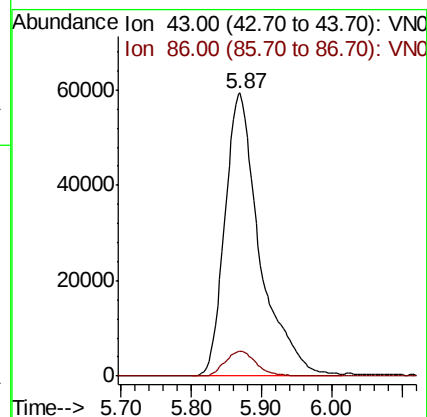
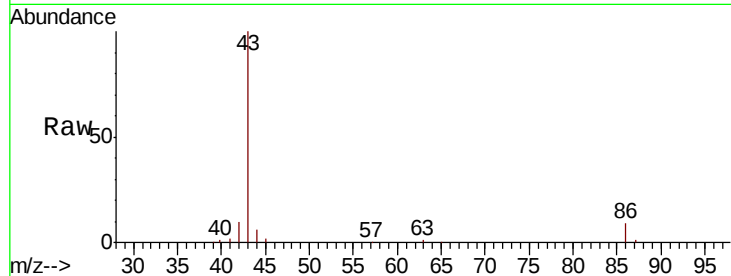
86 9.0 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 5.452 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

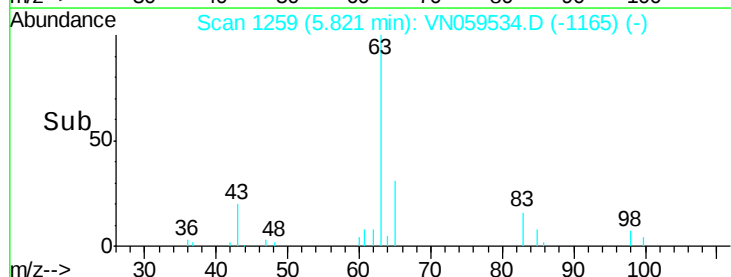
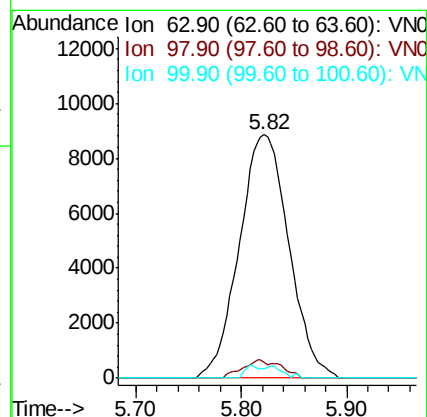
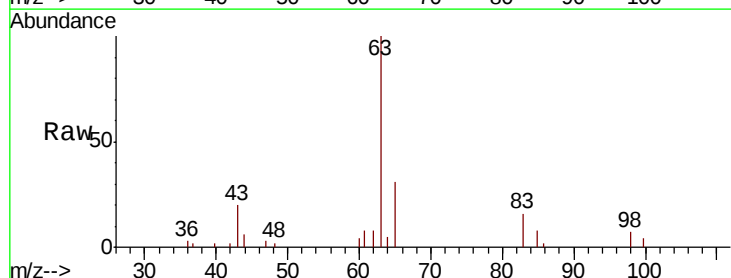
Tgt Ion: 63 Resp: 28924

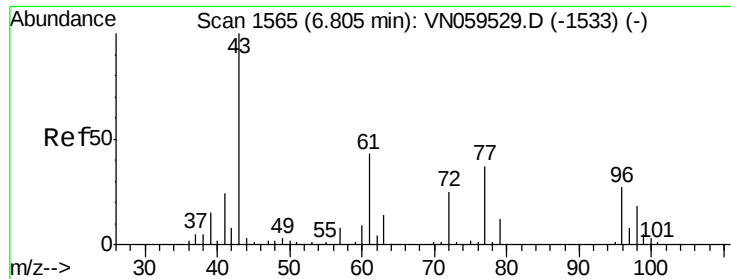
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

100 4.0 1.8 5.3





#25

2-Butanone

Concen: 23.946 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 55416

Ion Ratio Lower Upper

43 100

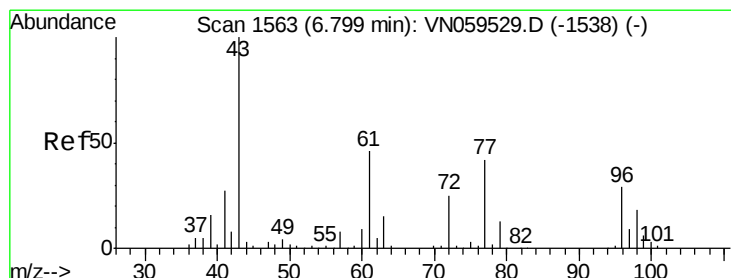
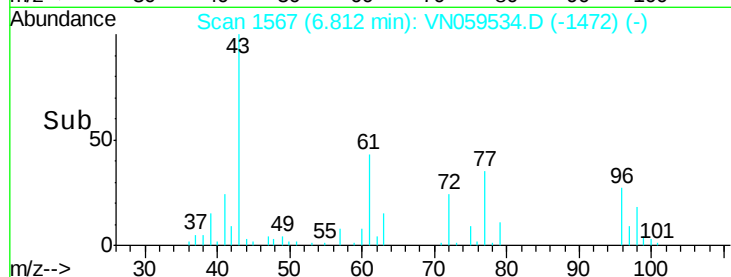
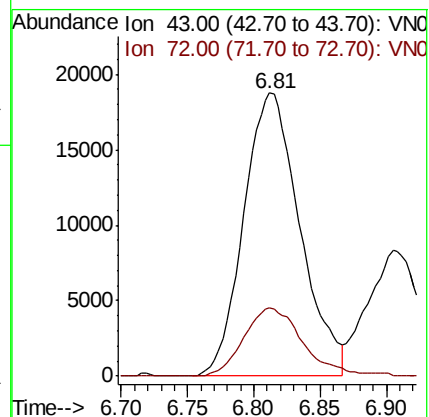
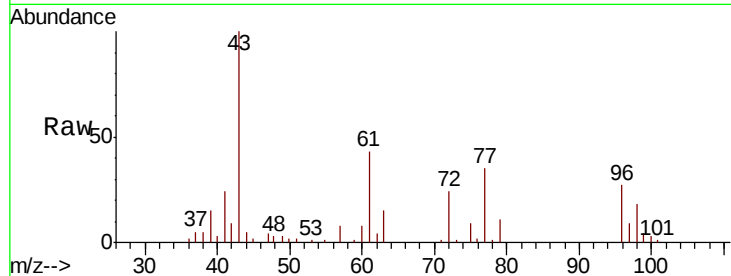
72 24.2 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.458 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059534.D

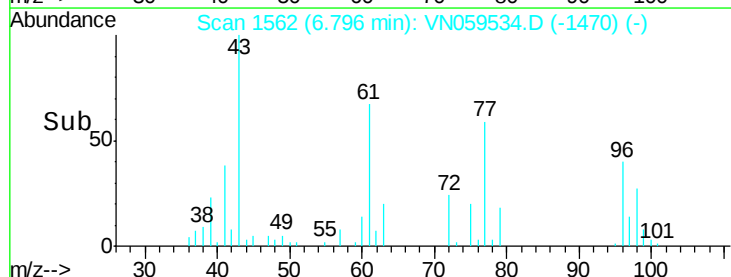
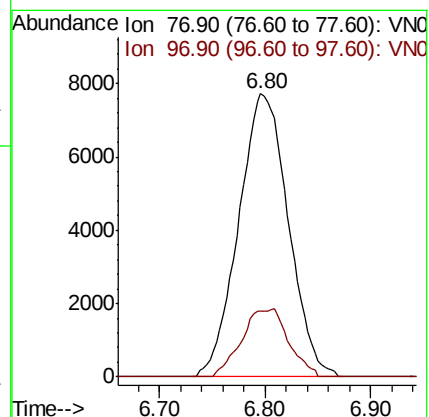
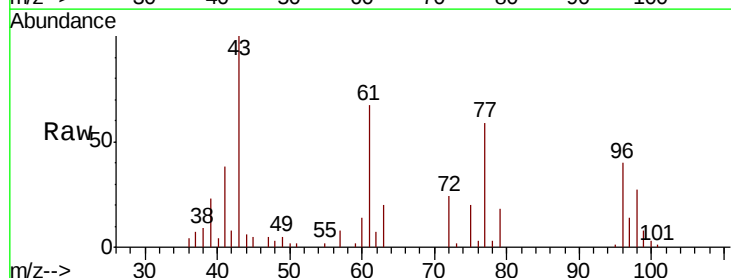
Acq: 9 Dec 2019 17:41

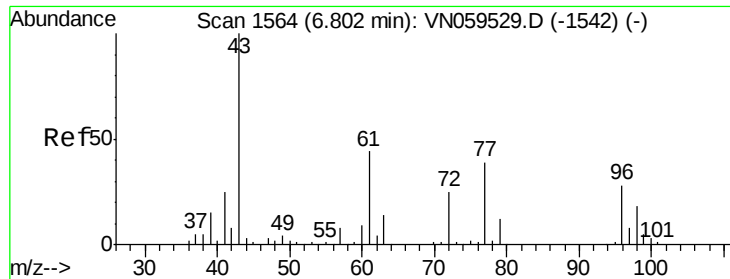
Tgt Ion: 77 Resp: 25288

Ion Ratio Lower Upper

77 100

97 22.6 10.5 31.6





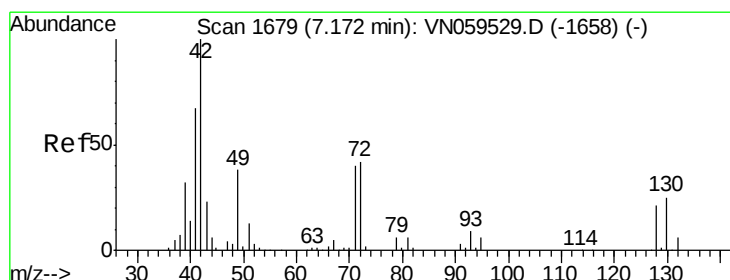
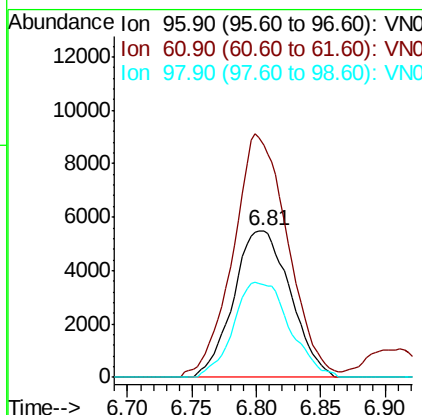
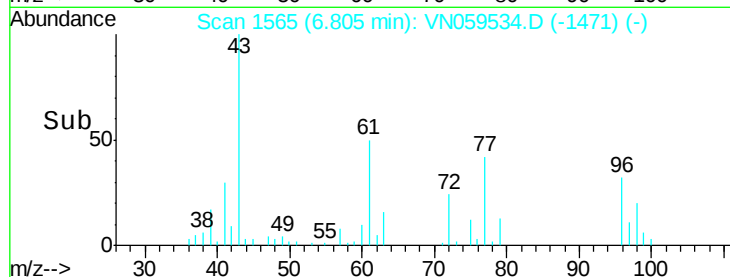
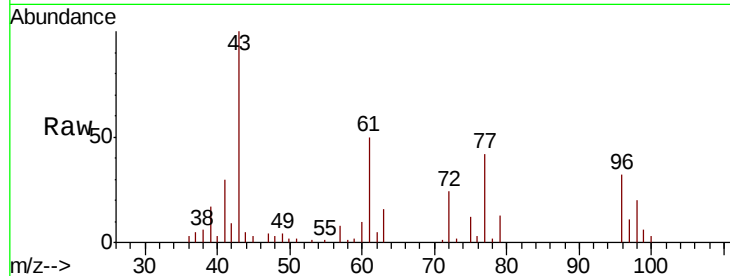
#27
 cis-1,2-Dichloroethene
 Concen: 5.318 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	320.0
98	63.9	0.0	128.6

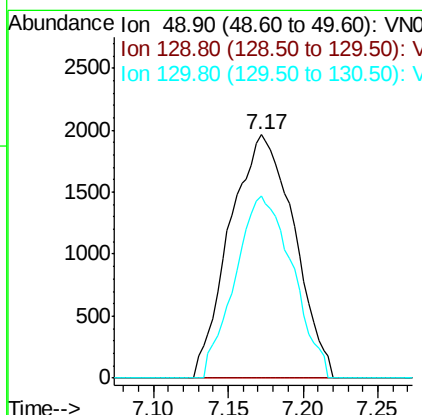
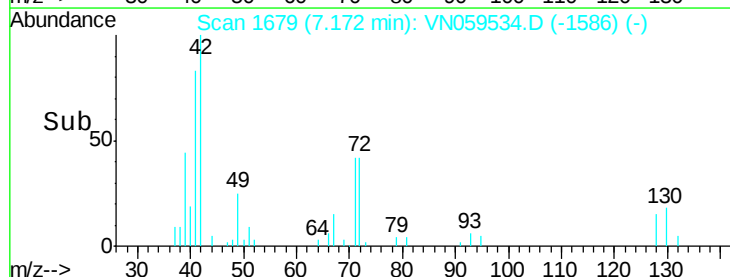
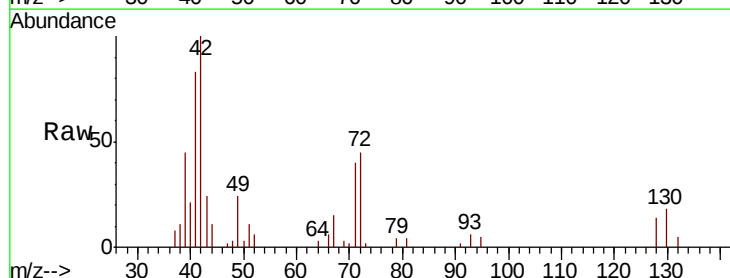
Manual Integrations
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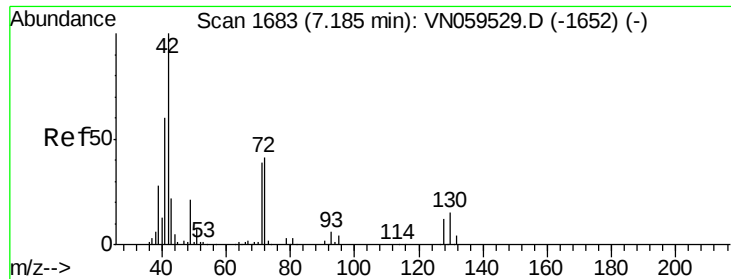
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#28
 Bromochloromethane
 Concen: 3.467 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	66.9	54.2	81.2





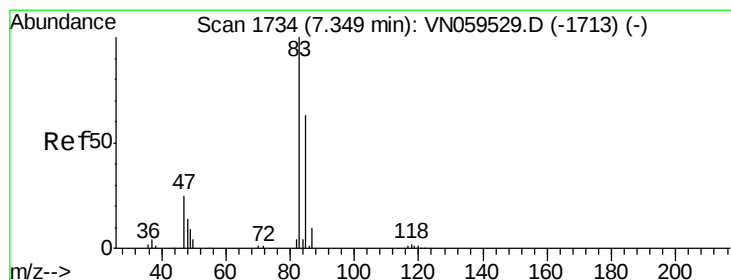
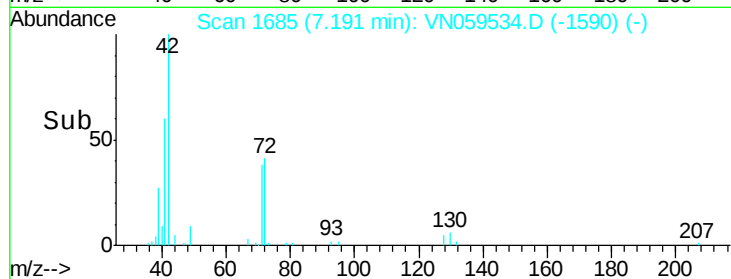
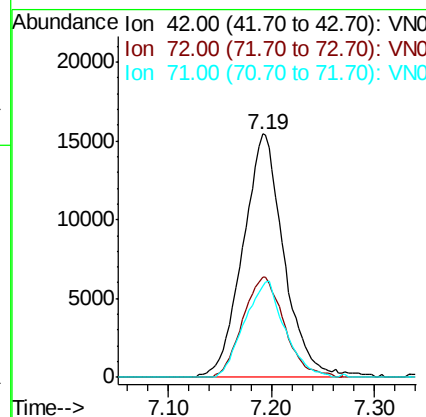
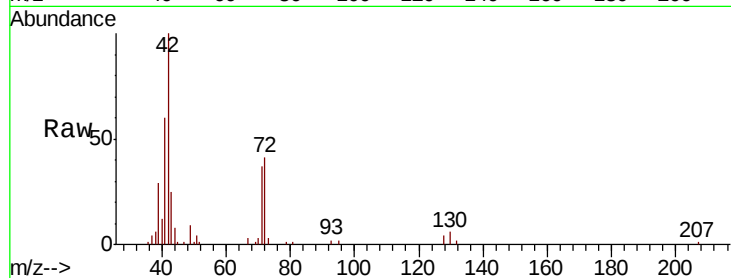
#29
Tetrahydrofuran
Concen: 29.075 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.7	49.1
71	38.9	31.4	47.2

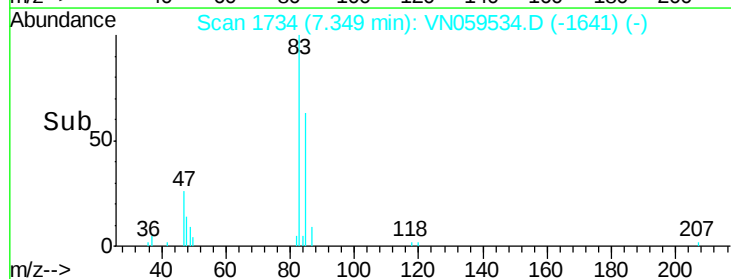
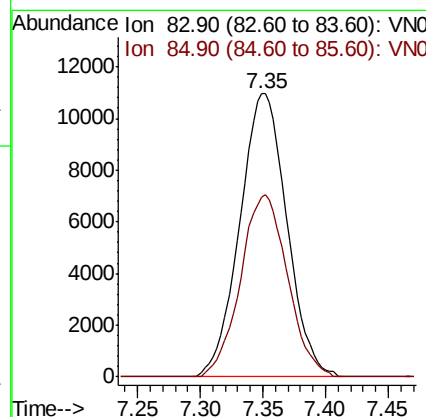
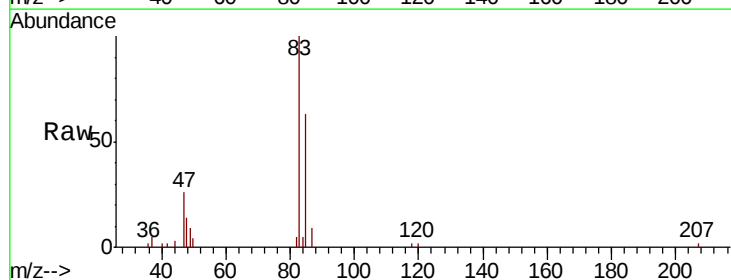
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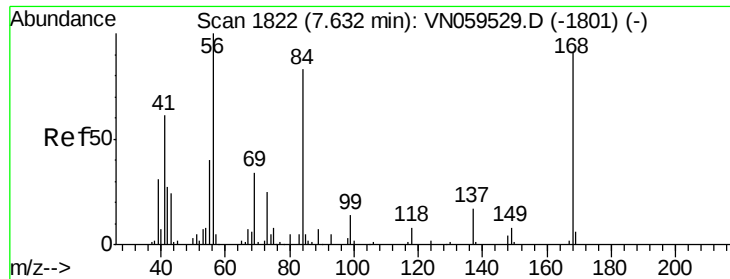
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#30
Chloroform
Concen: 5.545 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	75.8





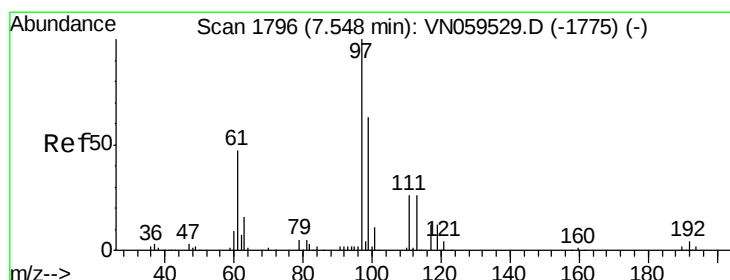
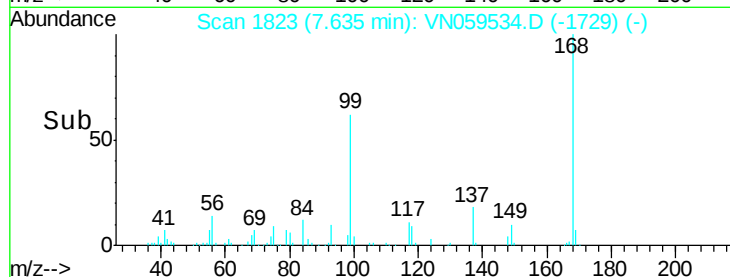
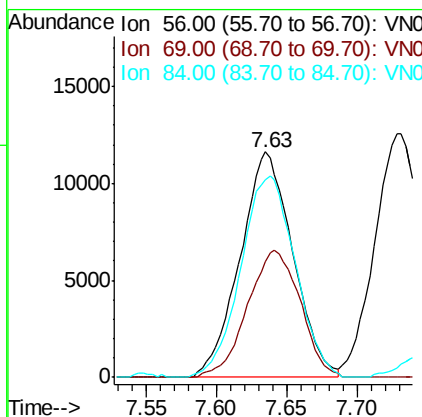
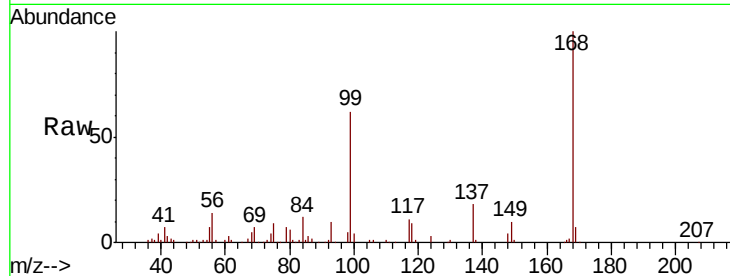
#31
Cyclohexane
Concen: 5.947 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.4	26.9	40.3#
84	87.7	66.5	99.7

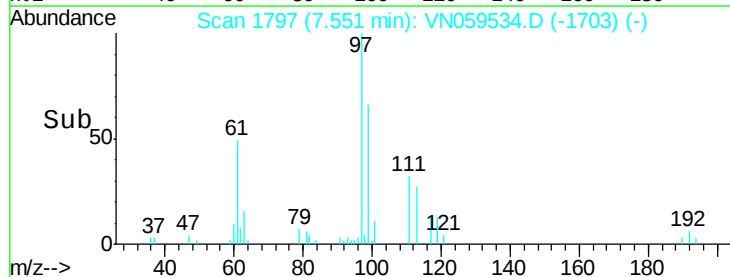
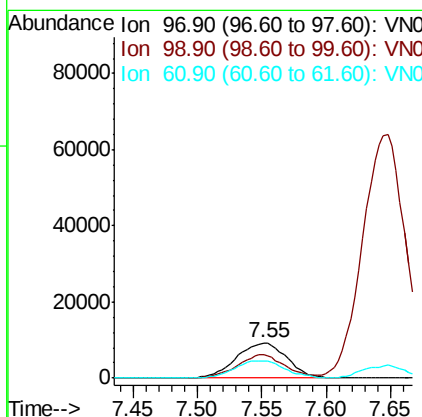
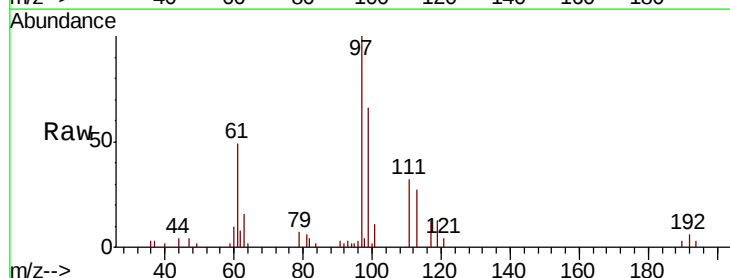
Manual Integrations
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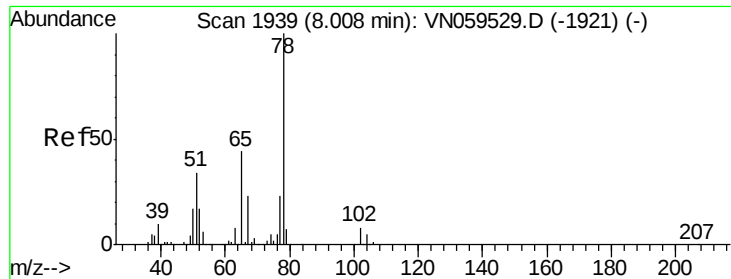
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#32
1,1,1-Trichloroethane
Concen: 5.610 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.4	77.2
61	48.4	38.5	57.7





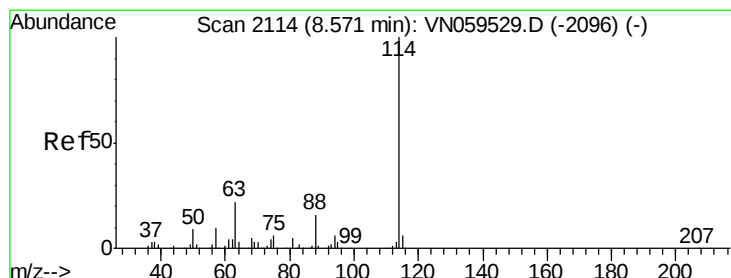
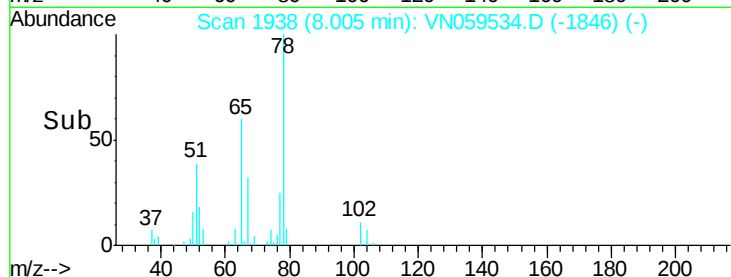
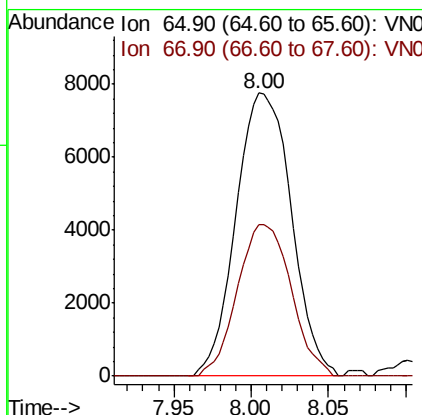
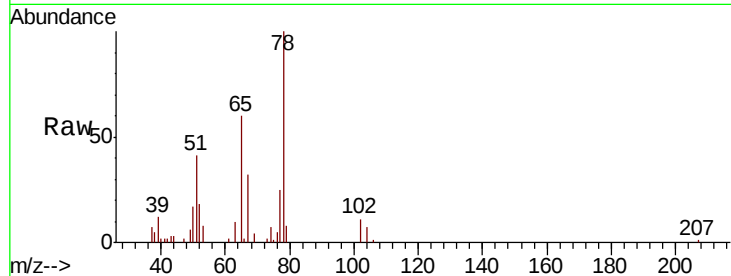
#33
 1,2-Dichloroethane-d4
 Concen: 6.197 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.6

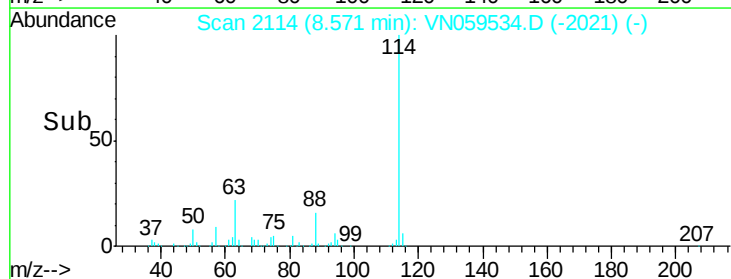
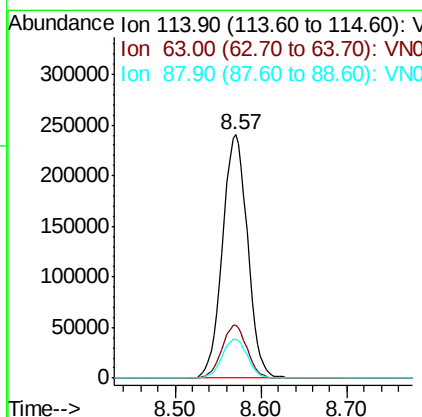
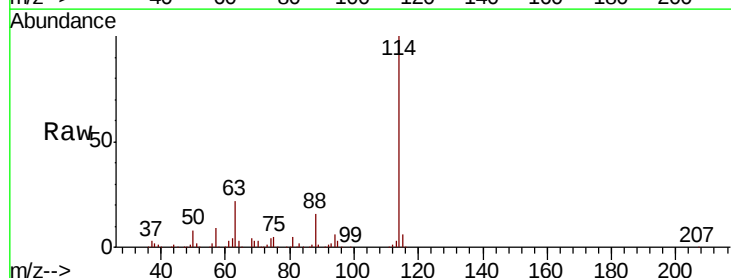
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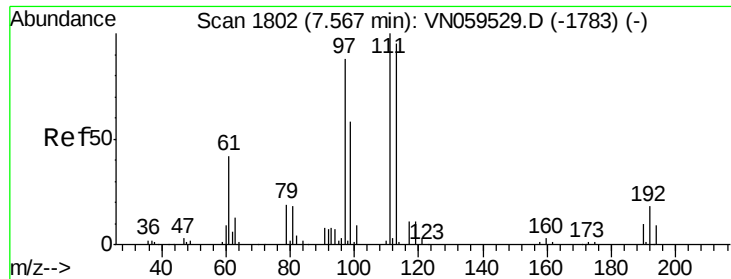
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.0
88	16.1	0.0	32.2





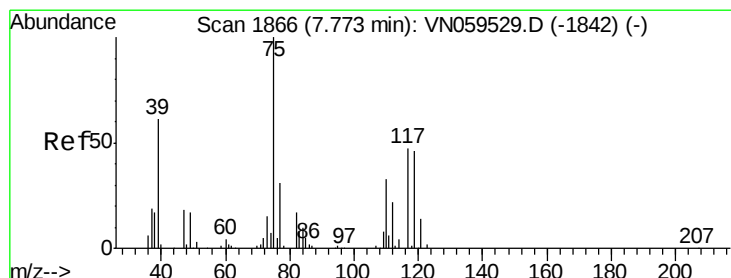
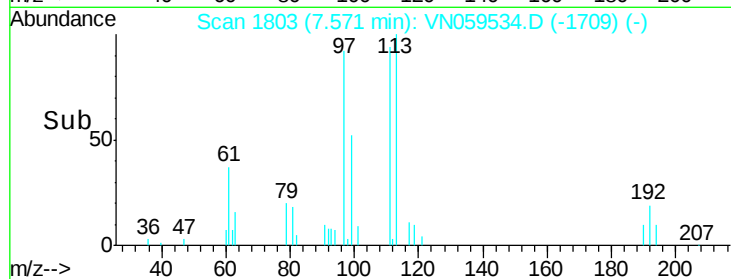
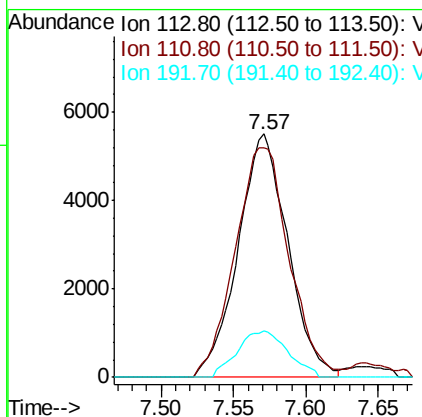
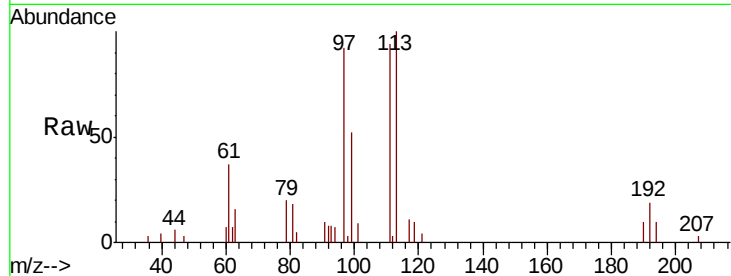
#35
 Dibromofluoromethane
 Concen: 4.442 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	19.4	14.8	22.2

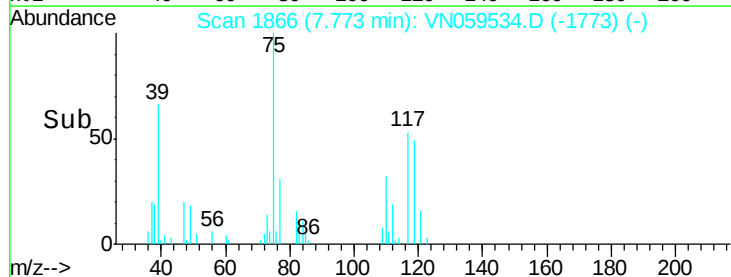
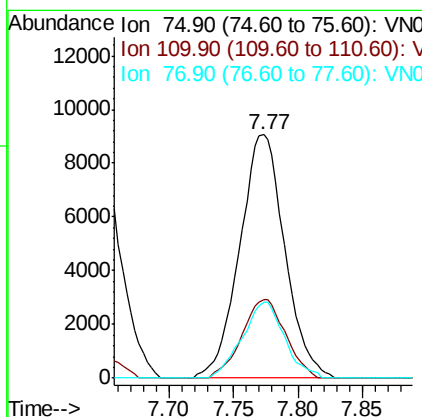
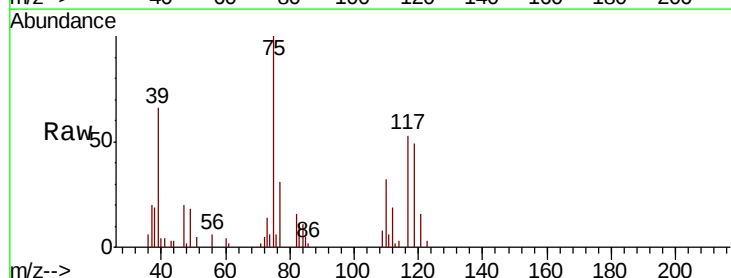
Manual Integrations
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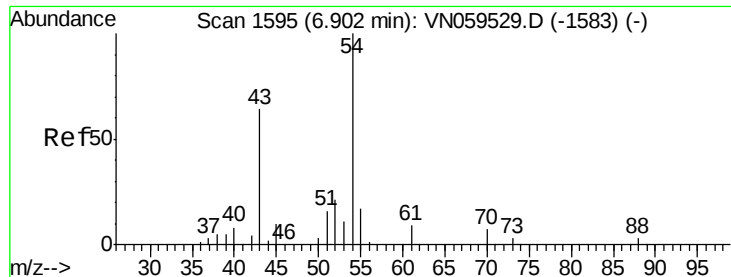
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#36
 1,1-Dichloropropene
 Concen: 4.448 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.7	50.0
77	29.2	24.6	37.0





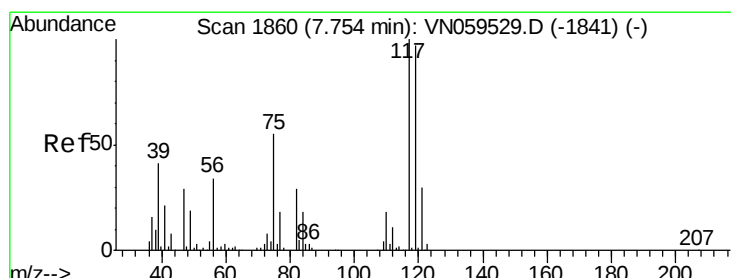
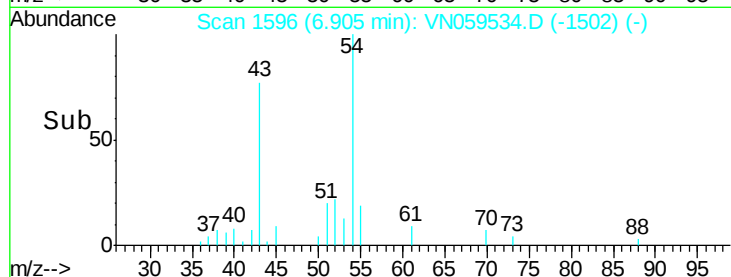
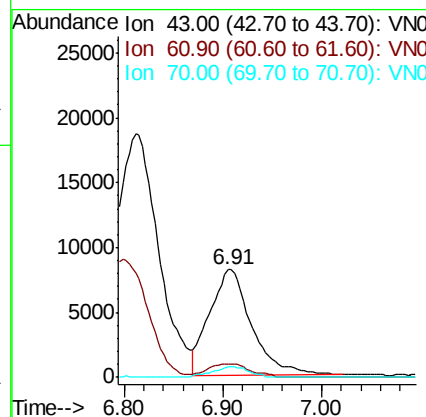
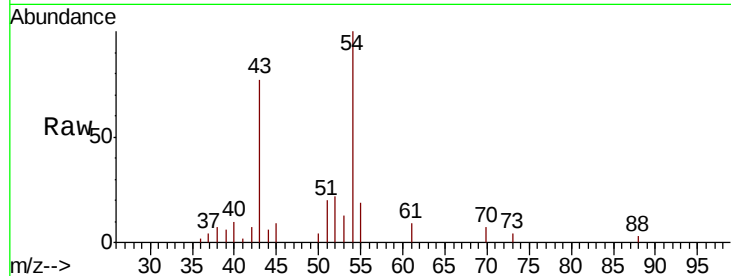
#37
Ethyl Acetate
Concen: 4.426 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	4.7	11.0	16.6#
70	8.7	7.7	11.5

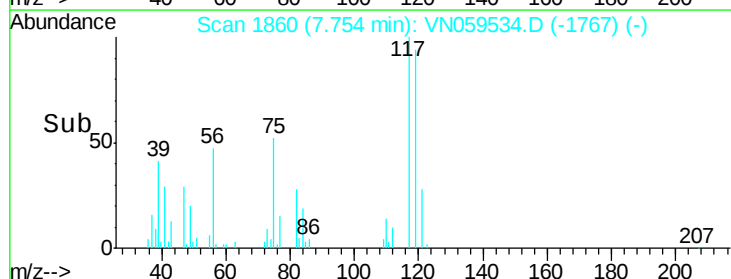
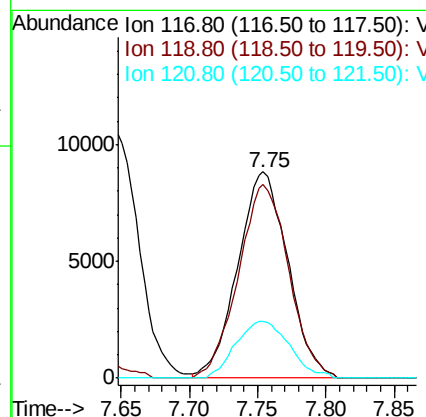
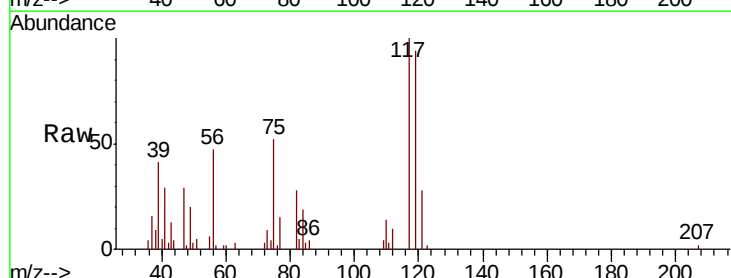
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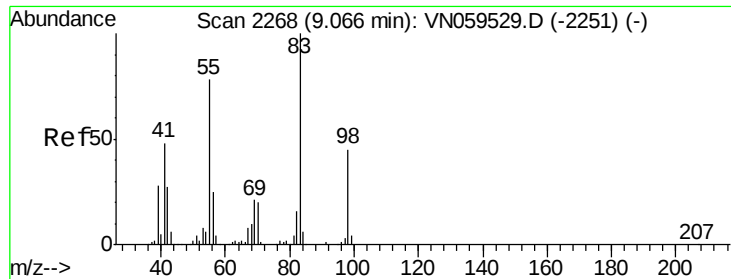
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#38
Carbon Tetrachloride
Concen: 4.679 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.0	115.4
121	27.8	24.1	36.1





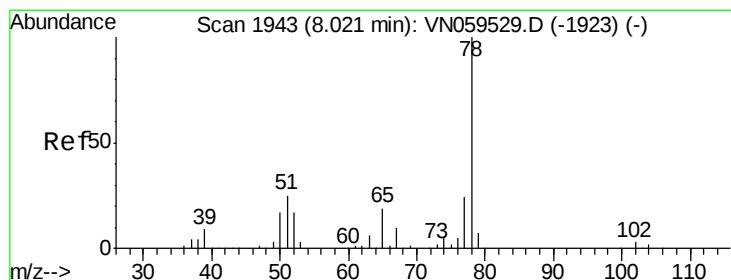
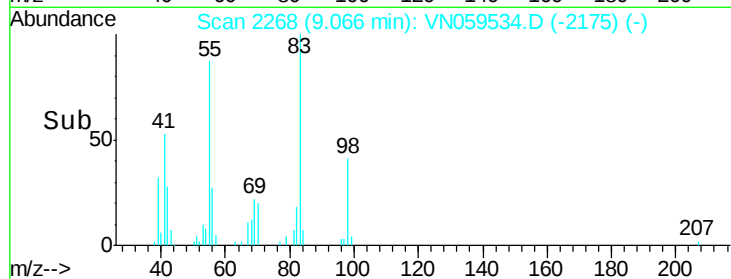
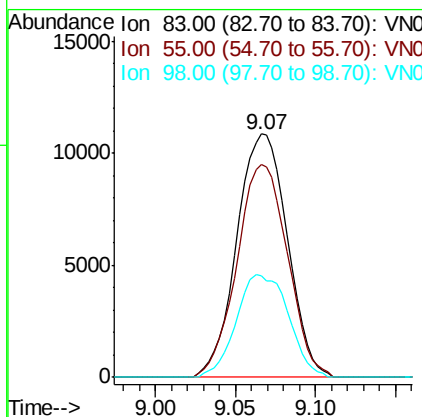
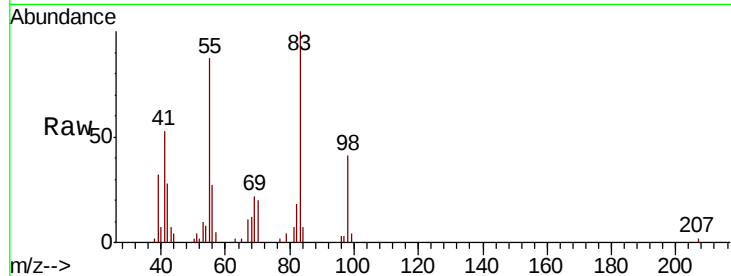
#39
Methvlcvclohexane
Concen: 3.956 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	62.7	94.1
98	41.5	35.7	53.5

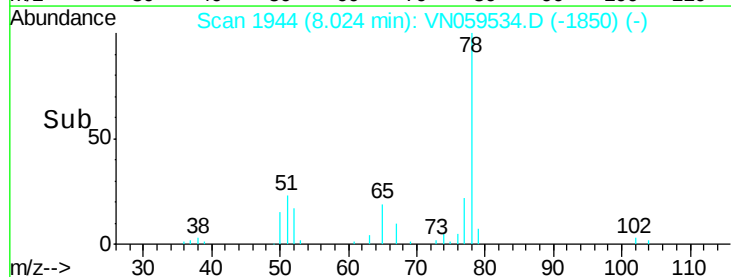
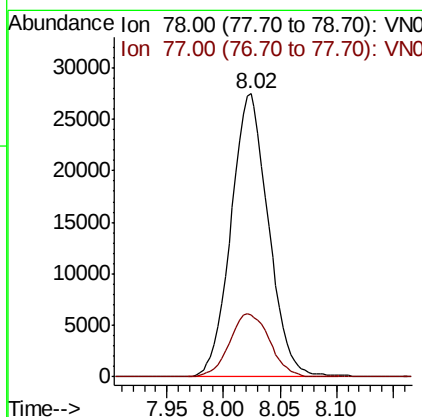
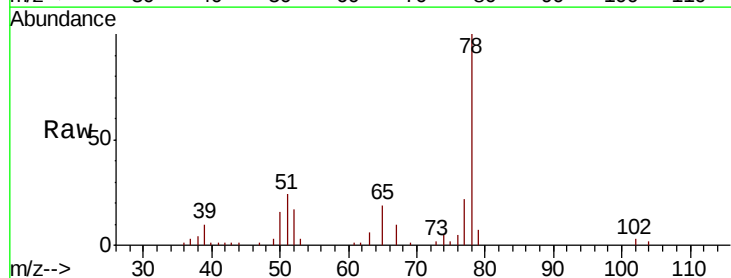
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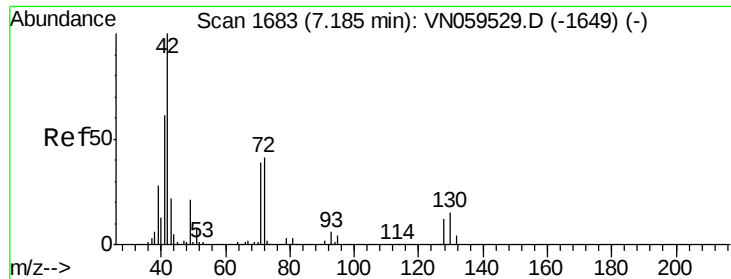
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#40
Benzene
Concen: 4.366 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.8	28.2





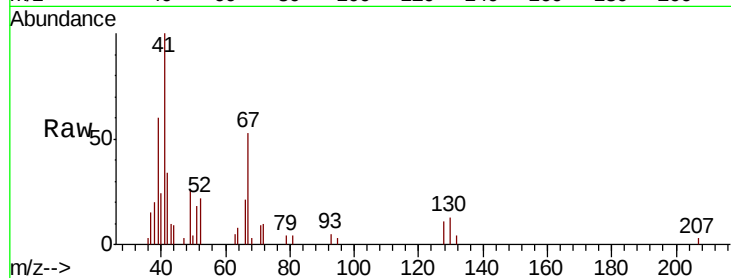
#41
Methacrylonitrile
Concen: 4.168 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

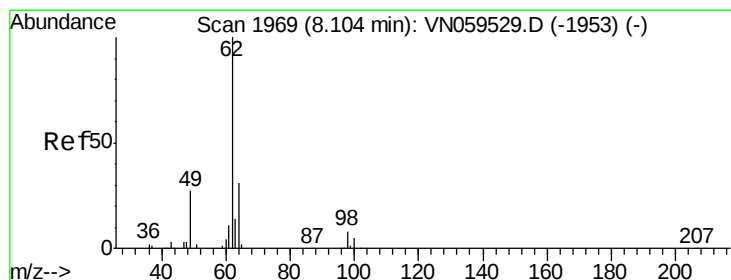
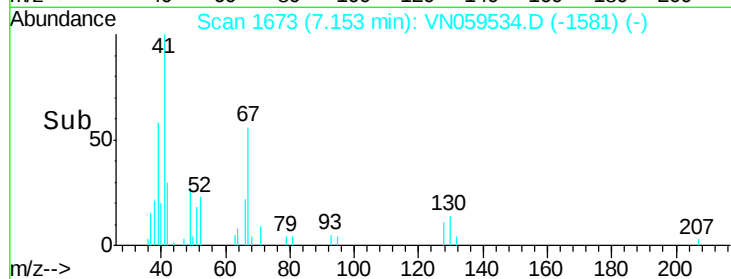
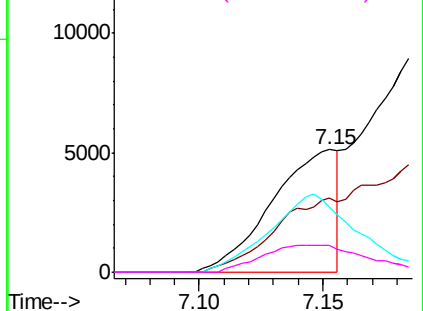
Tot Ion	41	Resp:	9540
Ion	Ratio	Lower	Upper
41	100		
39	207.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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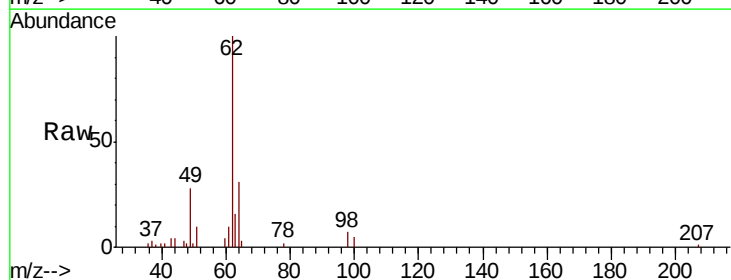


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

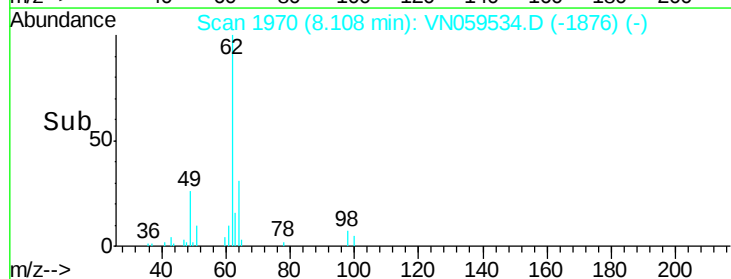
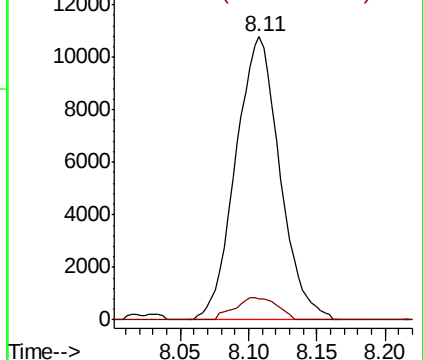


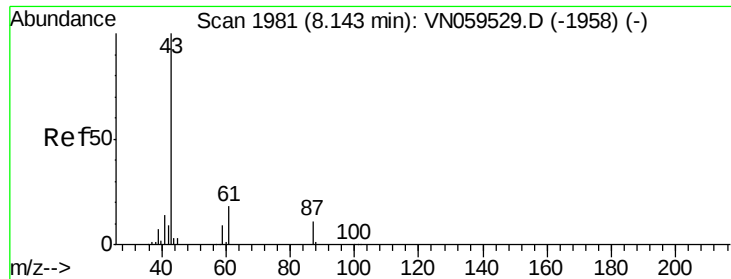
#42
1,2-Dichloroethane
Concen: 4.813 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	62	Resp:	24207
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 4.466 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

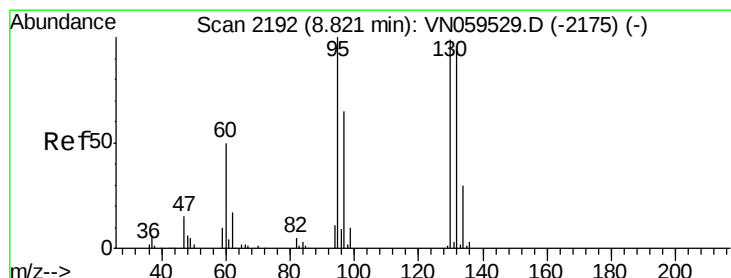
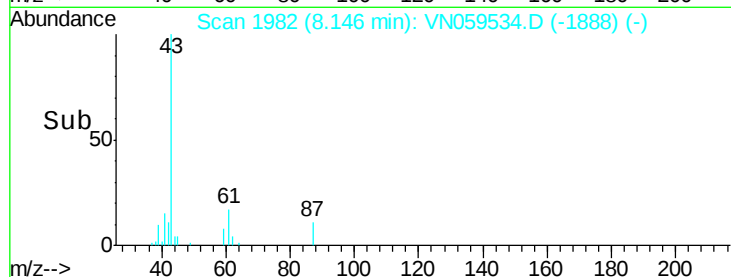
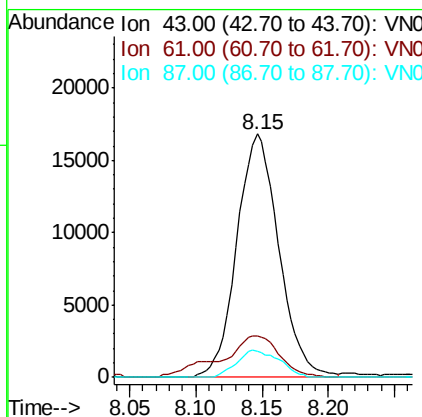
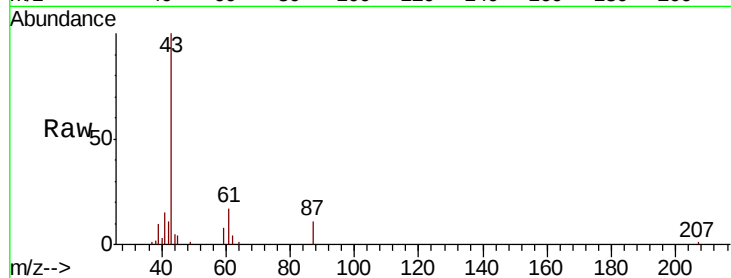
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	37087
Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.8	29.6
87	11.3	9.4	14.2

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#44

Trichloroethene

Concen: 4.317 ug/l

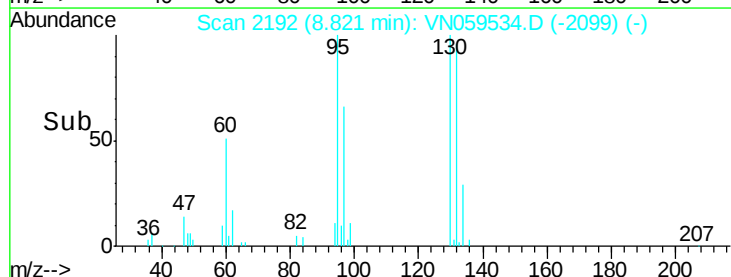
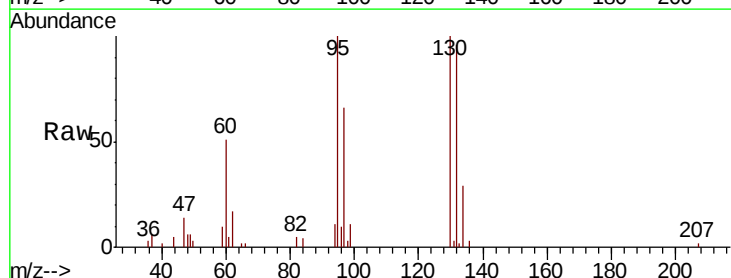
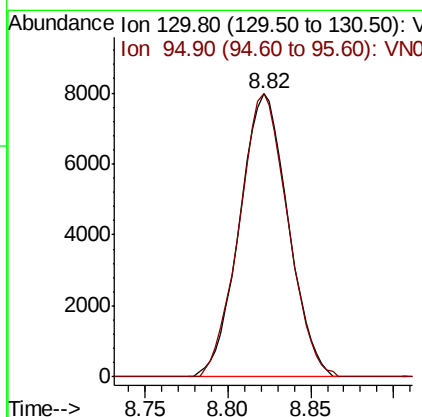
RT: 8.82 min Scan# 2192

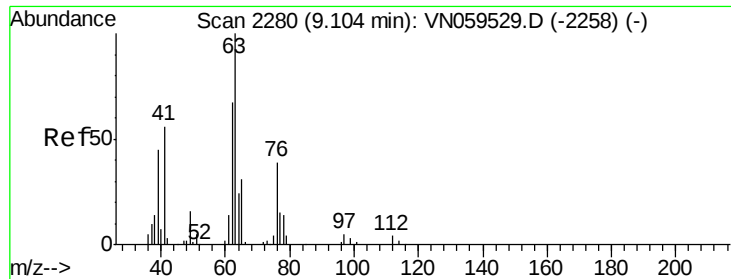
Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Tgt Ion:	130	Resp:	16304
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	202.0





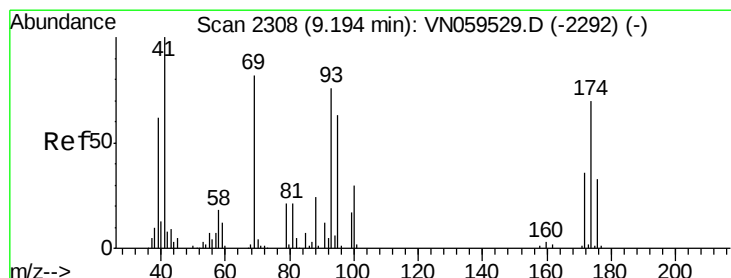
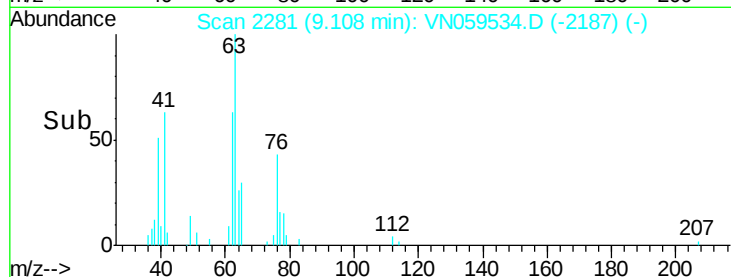
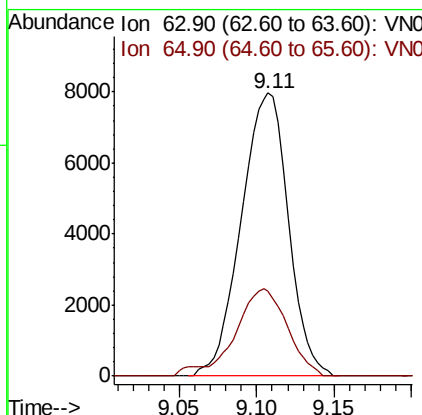
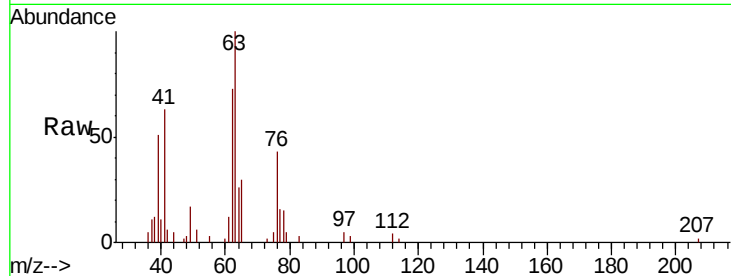
#45
 1,2-Dichloropropane
 Concen: 4.365 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 16919
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.8 37.2

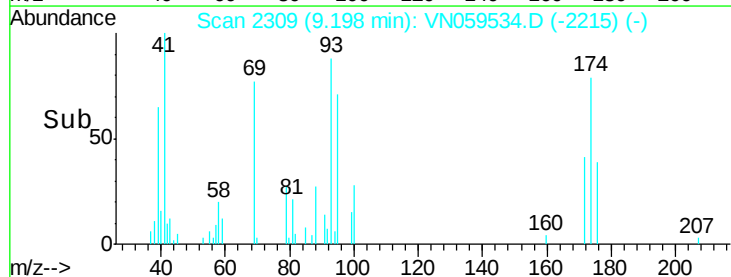
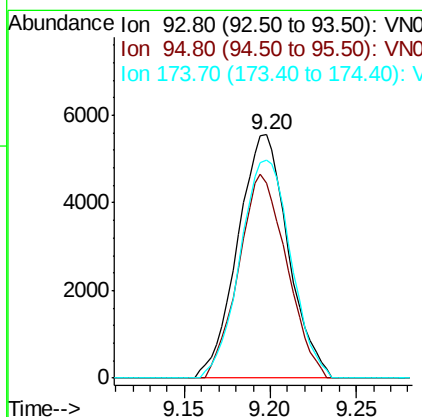
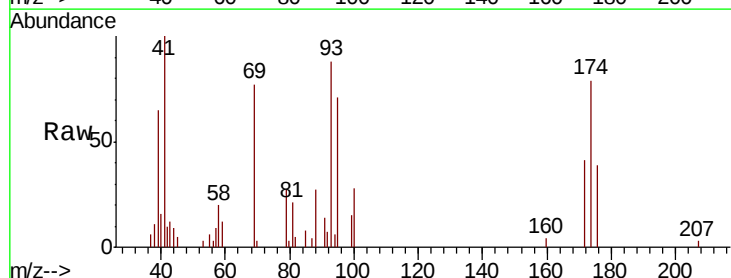
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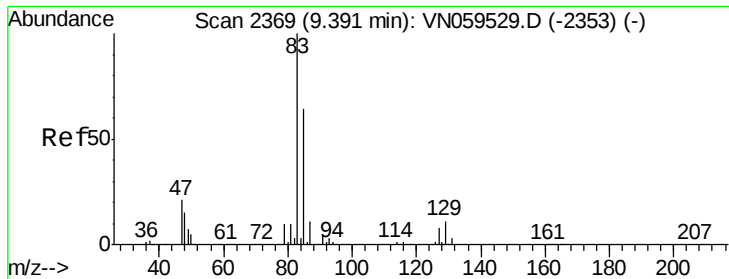
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#46
 Dibromomethane
 Concen: 4.664 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion: 93 Resp: 11316
 Ion Ratio Lower Upper
 93 100
 95 79.5 67.0 100.6
 174 90.0 75.6 113.4





#47

Bromodichloromethane

Concen: 4.475 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

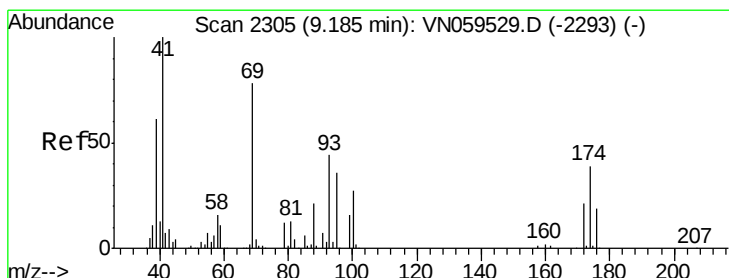
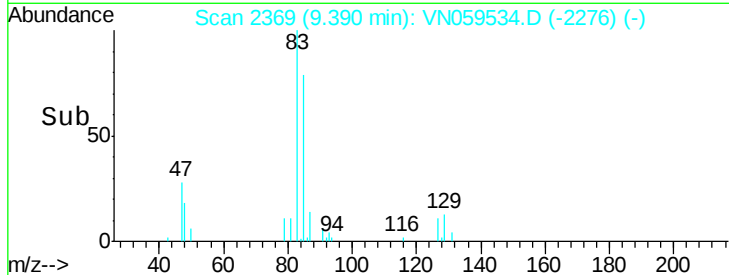
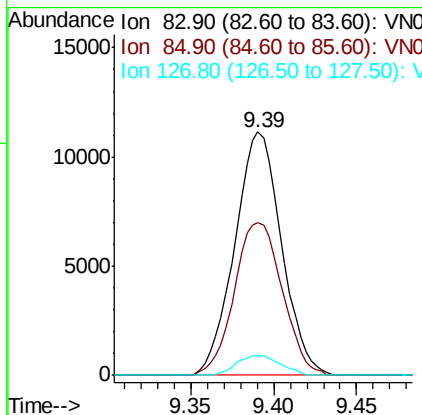
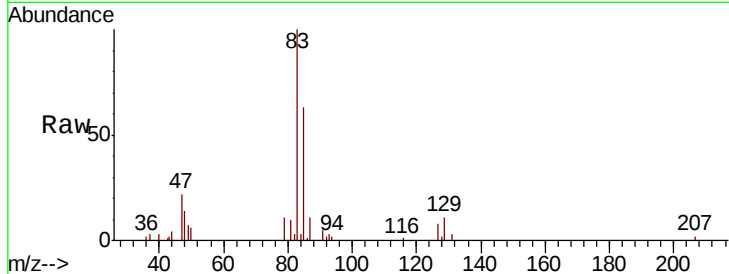
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21844
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.0
127	8.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.060 ug/l

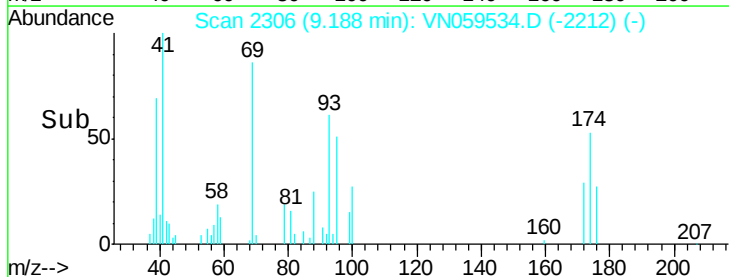
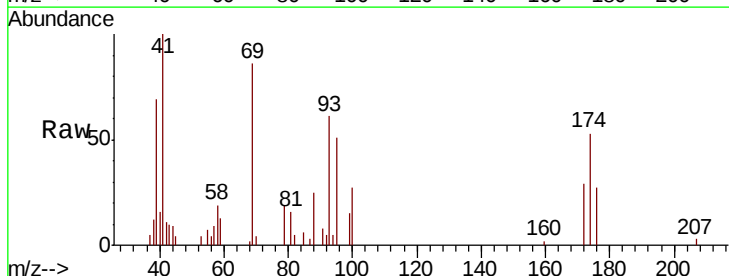
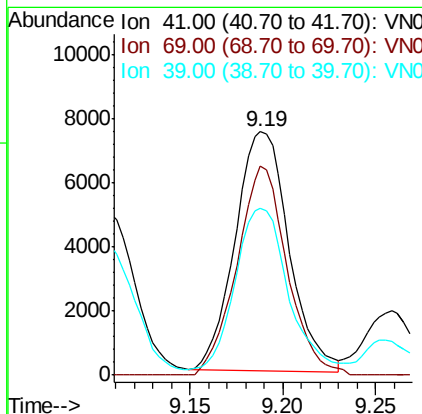
RT: 9.19 min Scan# 2306

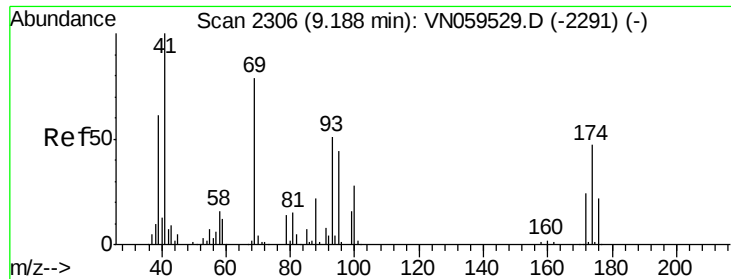
Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Tgt Ion:	41	Resp:	15185
Ion	Ratio	Lower	Upper
41	100		
69	81.0	64.0	96.0
39	66.7	50.0	75.0





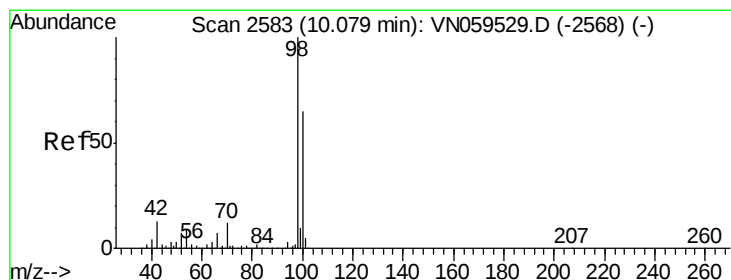
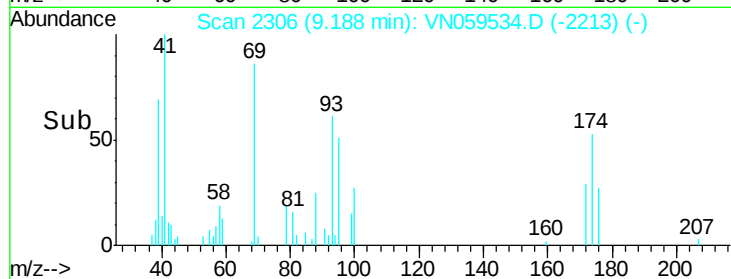
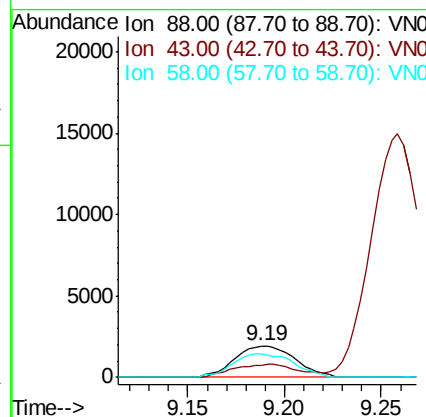
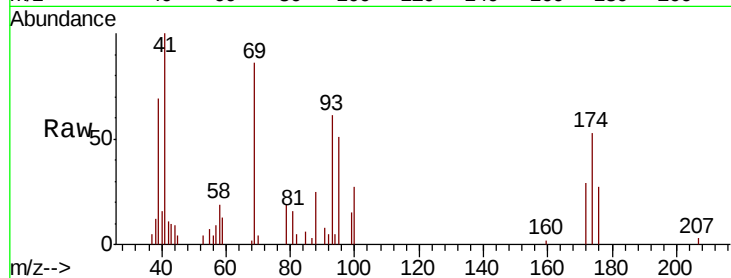
#49
1,4-Dioxane
Concen: 75.750 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	4173
Ion Ratio	Lower	Upper	
88	100		
43	45.6	31.4	47.0
58	75.1	61.0	91.6

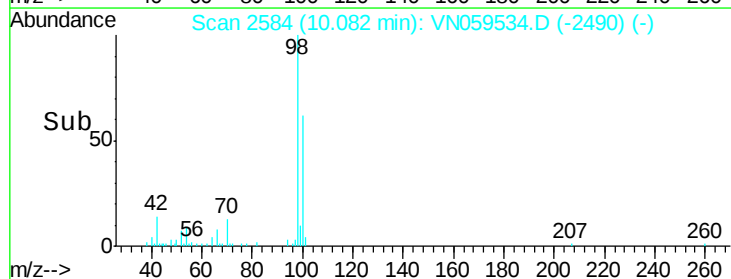
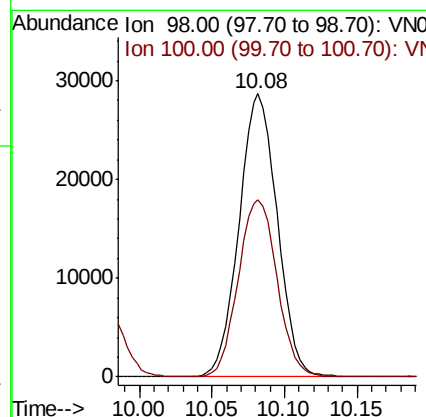
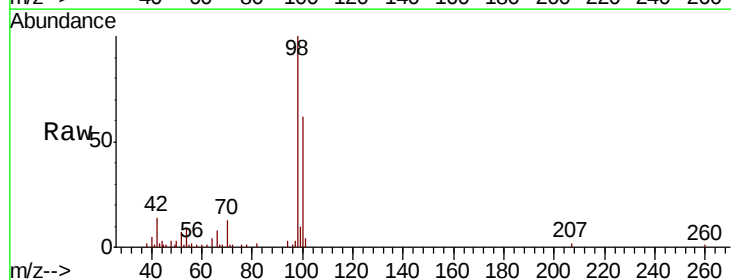
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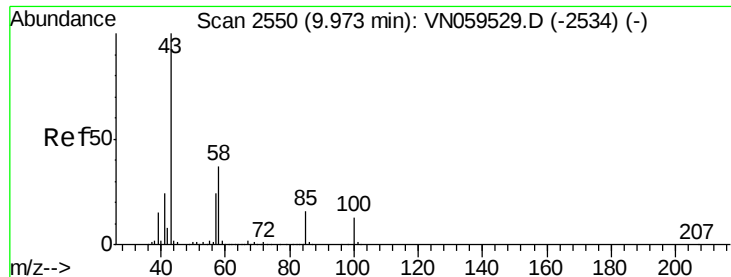
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#50
Toluene-d8
Concen: 4.535 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	98	Resp	52601
Ion Ratio	Lower	Upper	
98	100		
100	63.3	51.8	77.8





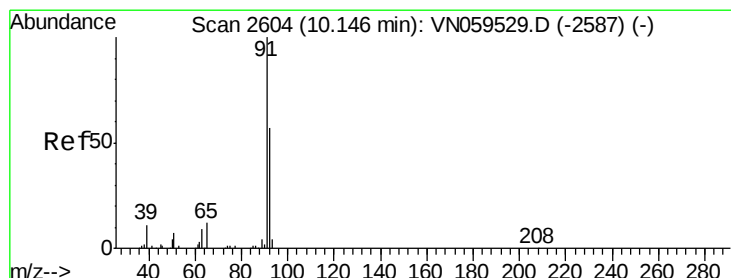
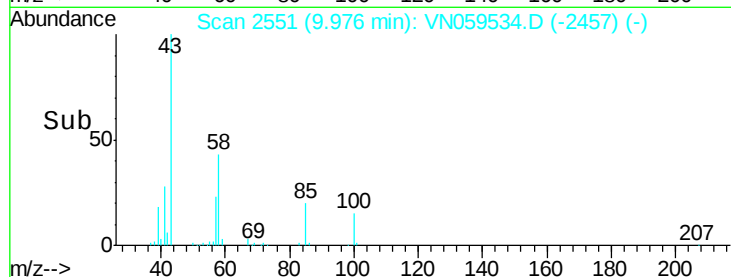
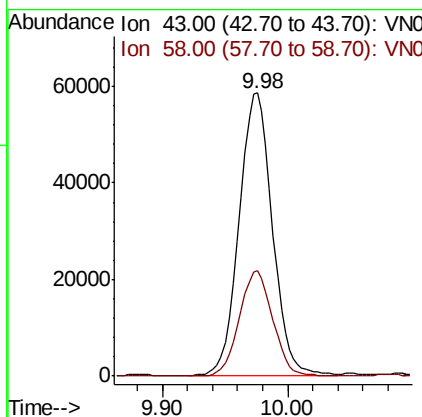
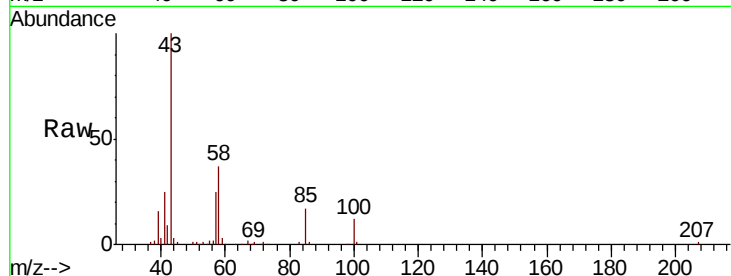
#51
4-Methyl-2-Pentanone
Concen: 21.781 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.1	45.1

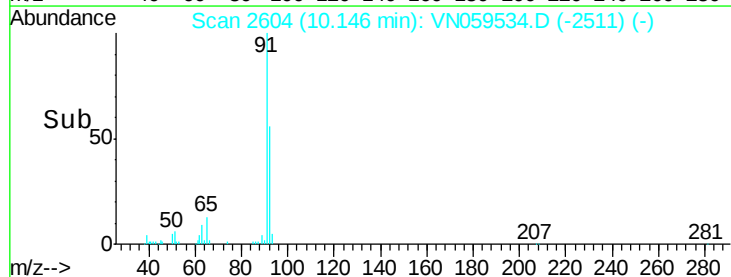
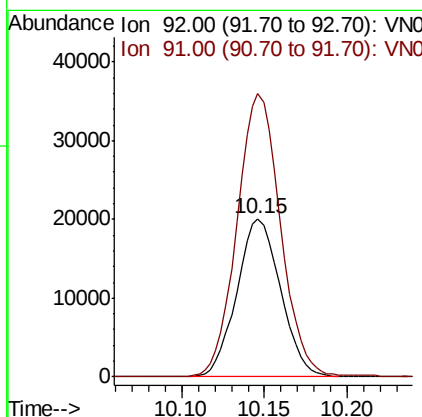
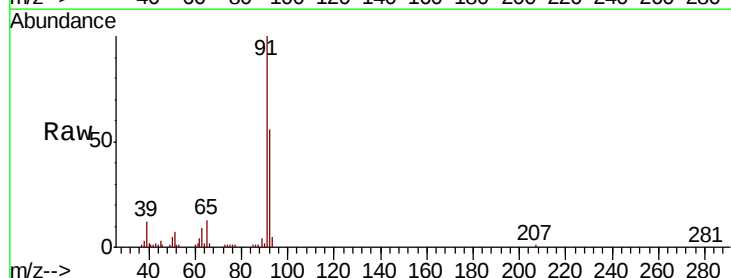
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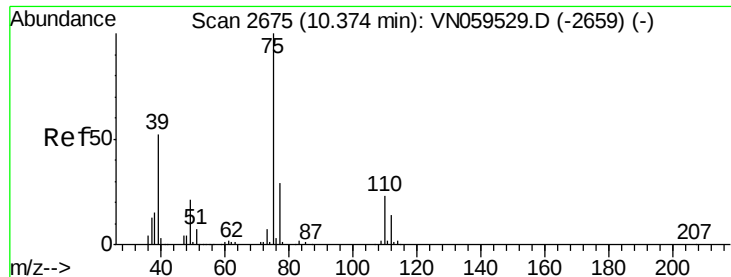
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#52
Toluene
Concen: 4.213 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	178.1	140.7	211.1





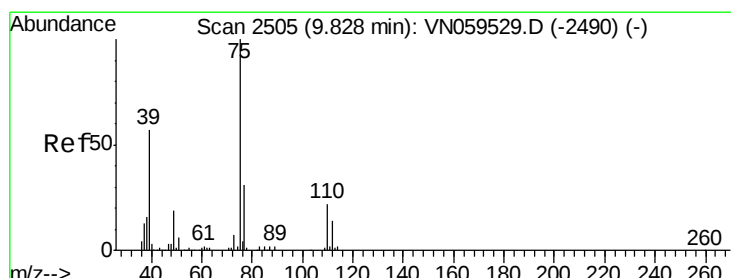
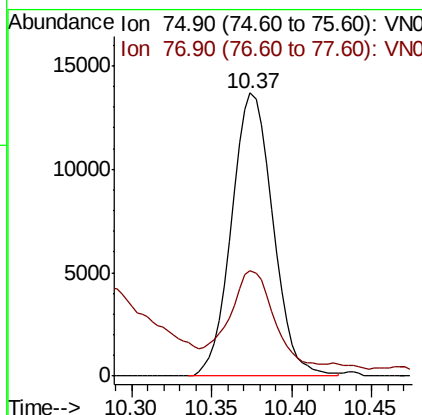
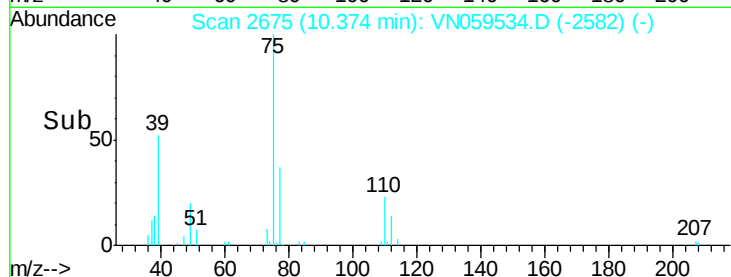
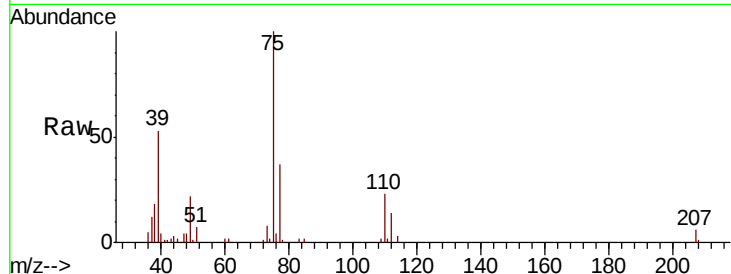
#53
t-1,3-Dichloropropene
Concen: 4.207 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 24087
Ion Ratio Lower Upper
75 100
77 33.1 24.5 36.7

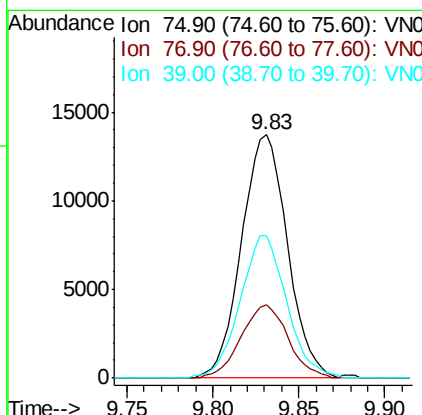
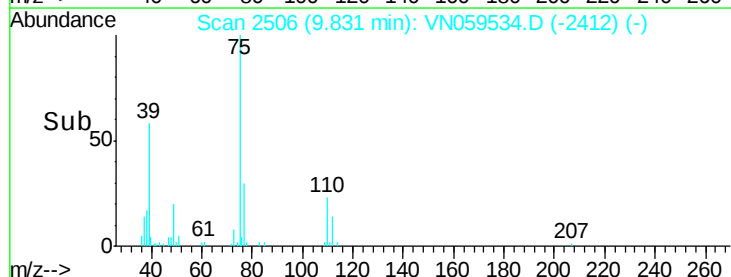
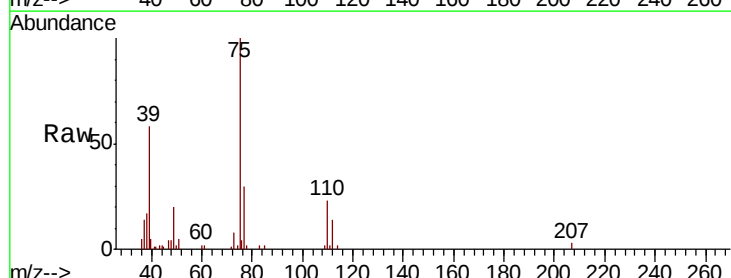
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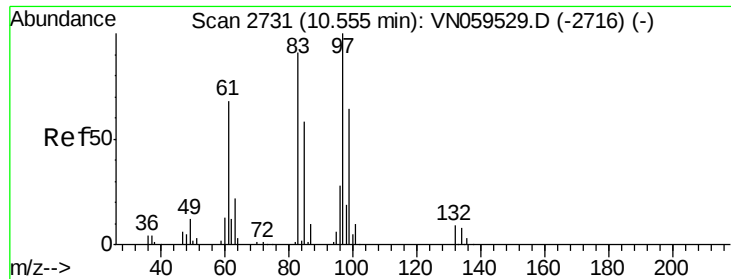
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#54
cis-1,3-Dichloropropene
Concen: 4.221 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion: 75 Resp: 25493
Ion Ratio Lower Upper
75 100
77 30.0 24.6 36.8
39 58.4 45.6 68.4





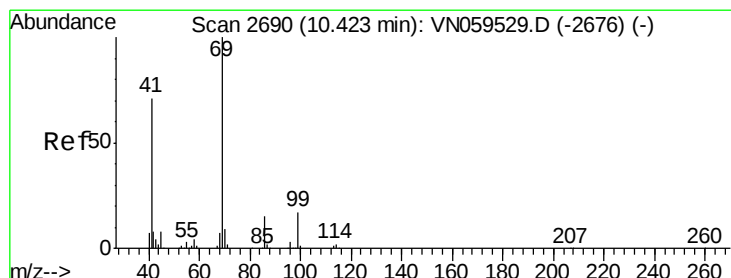
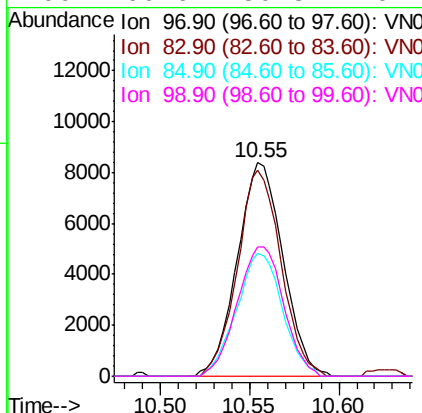
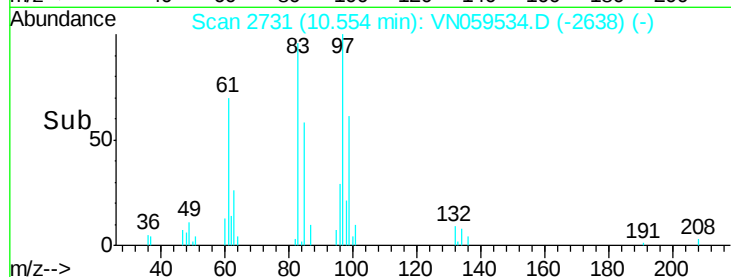
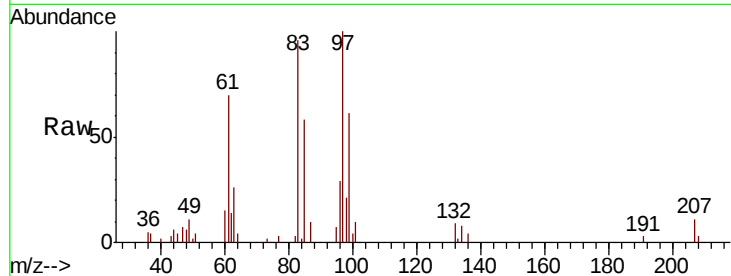
#55
 1,1,2-Trichloroethane
 Concen: 4.338 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	14965
Ion	Ratio	Lower	Upper
97	100		
83	96.4	72.9	109.3
85	57.7	46.1	69.1
99	60.6	50.8	76.2

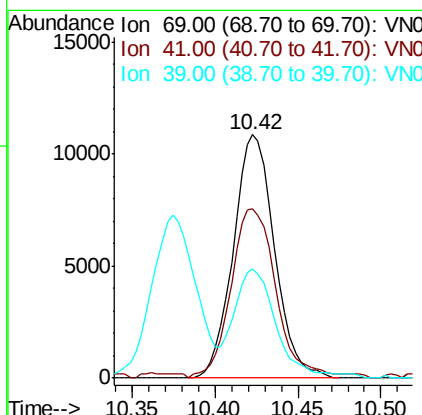
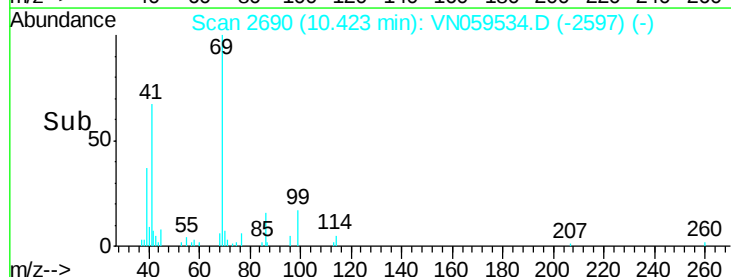
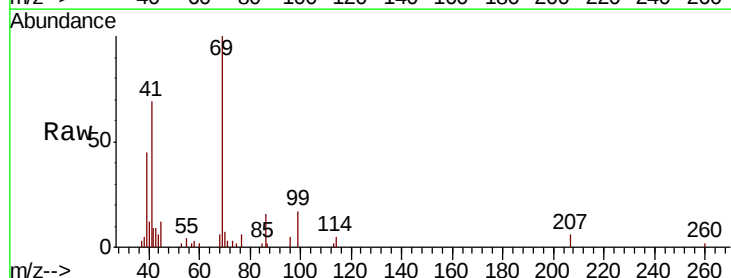
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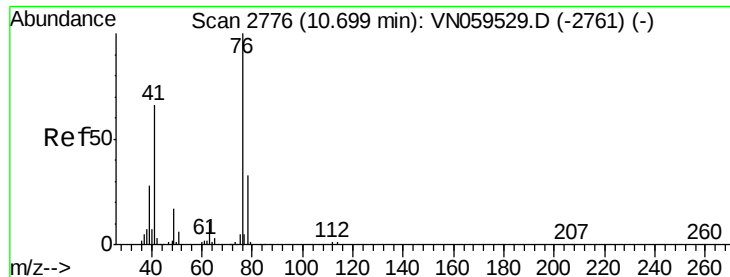
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#56
 Ethyl methacrylate
 Concen: 3.750 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion:	69	Resp:	18745
Ion	Ratio	Lower	Upper
69	100		
41	76.8	57.7	86.5
39	43.7	34.2	51.2





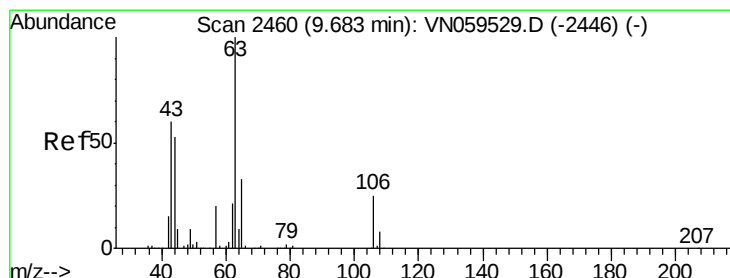
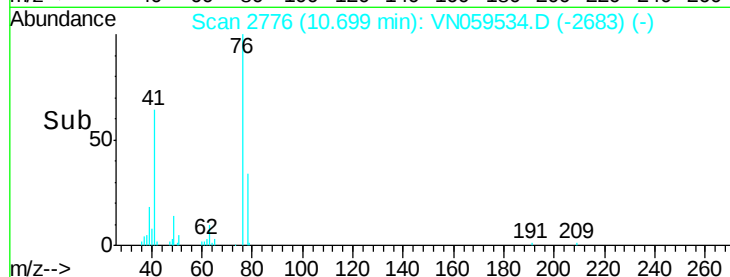
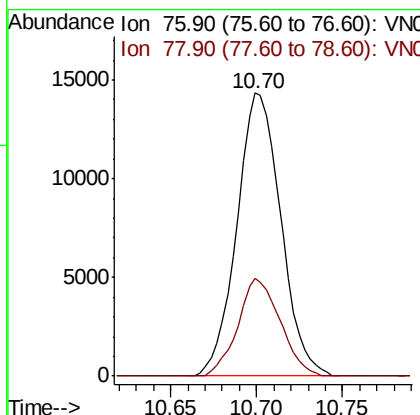
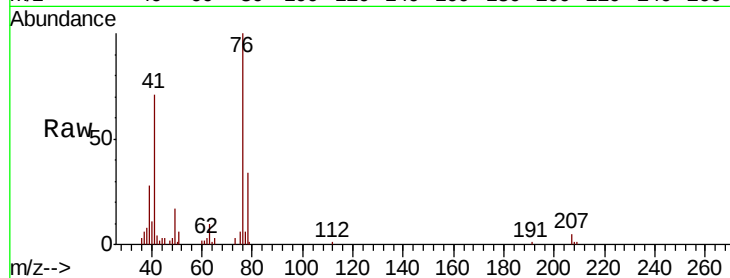
#57
 1,3-Dichloropropane
 Concen: 4.262 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 25531
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.1 39.1

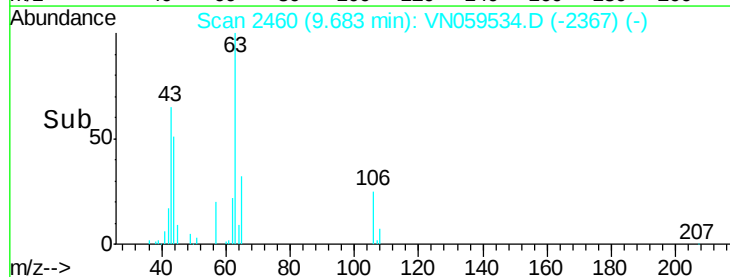
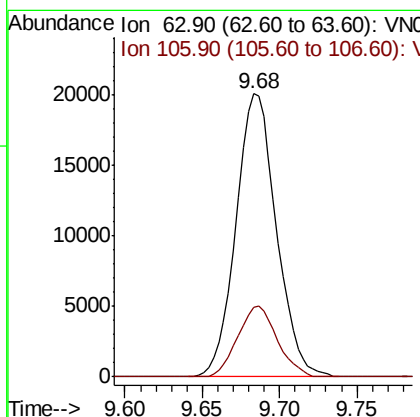
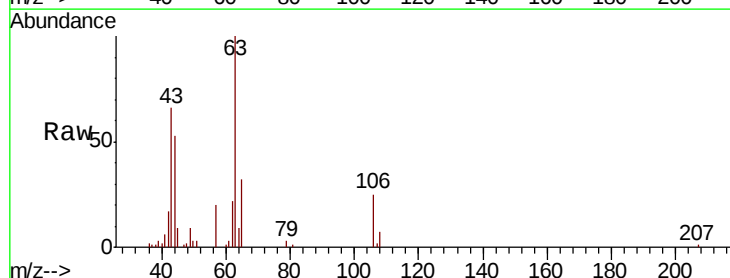
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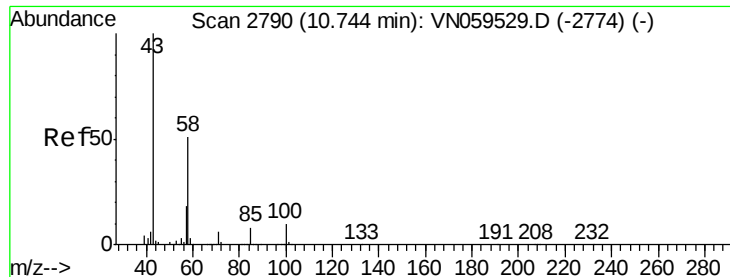
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#58
 2-Chloroethyl Vinyl ether
 Concen: 24.970 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion: 63 Resp: 36465
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.9 29.9





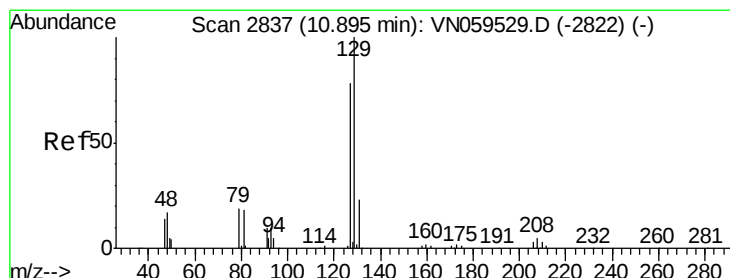
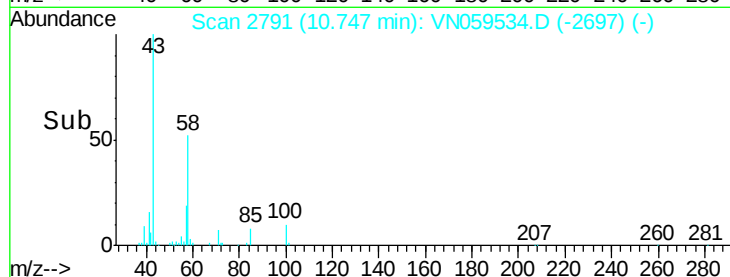
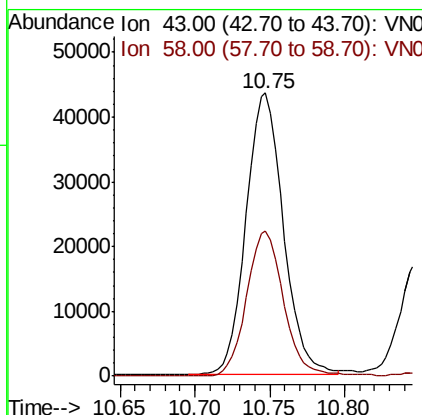
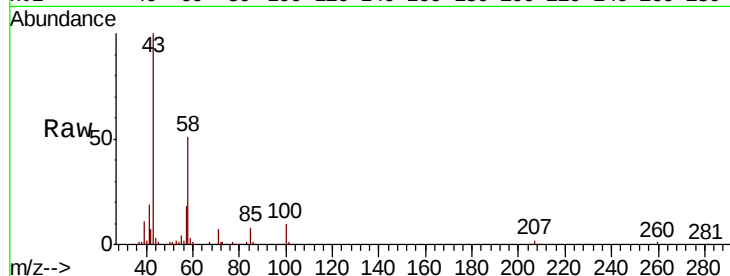
#59
2-Hexanone
Concen: 20.447 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 75698
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.6

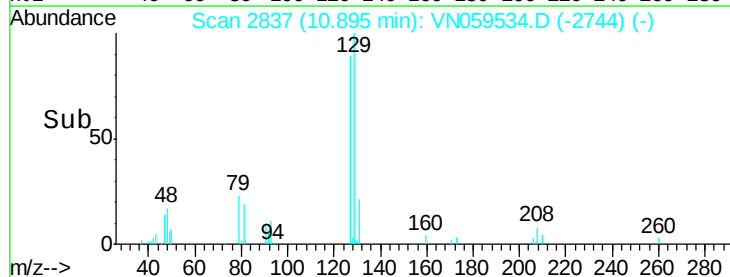
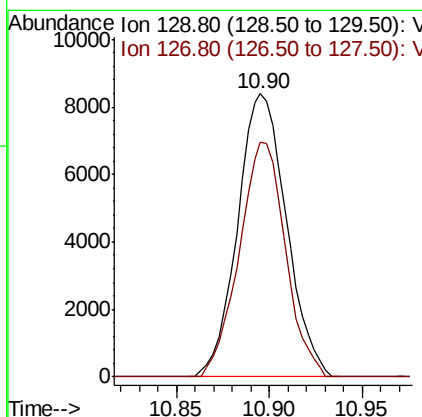
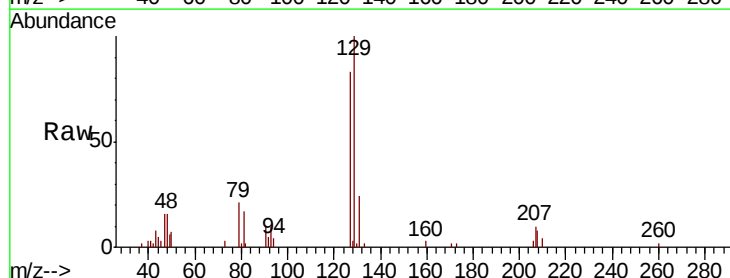
Manual Integrations
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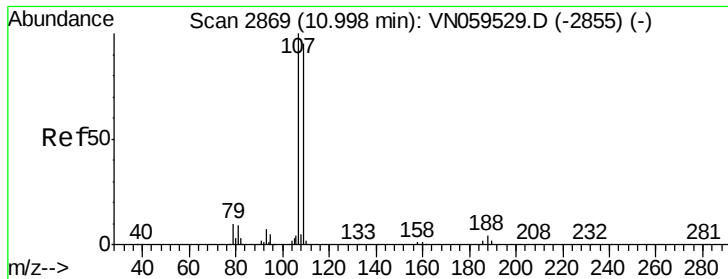
apatel
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#60
Dibromochloromethane
Concen: 4.129 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion: 129 Resp: 15307
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.6





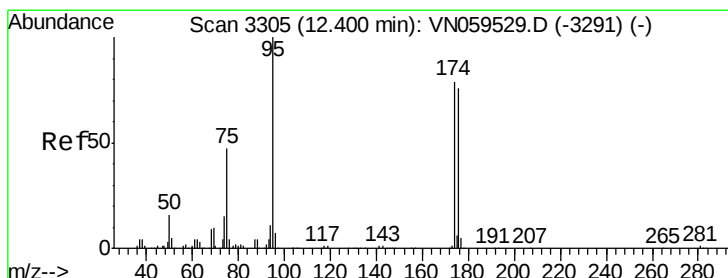
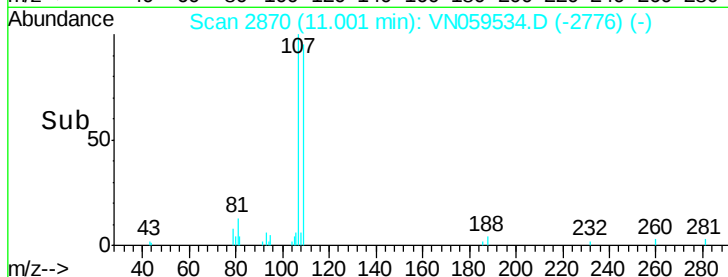
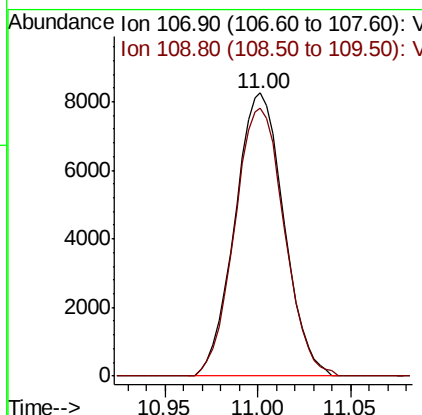
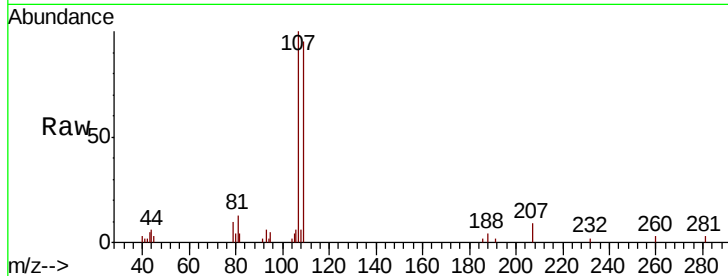
#61
 1,2-Dibromoethane
 Concen: 4.221 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.1	114.1

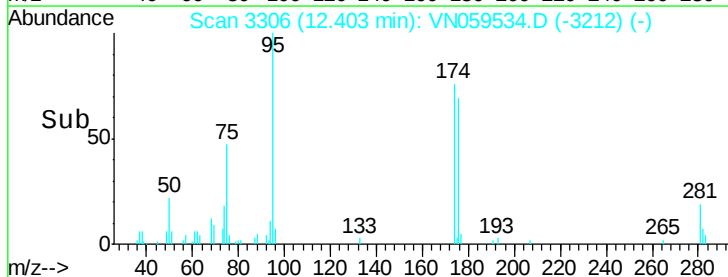
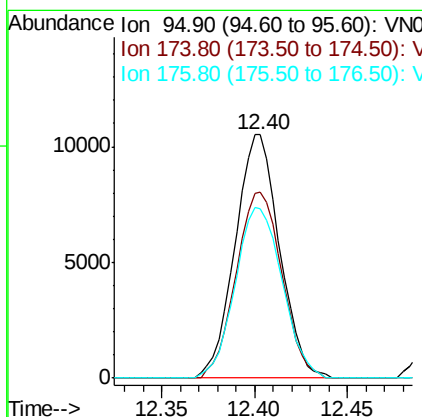
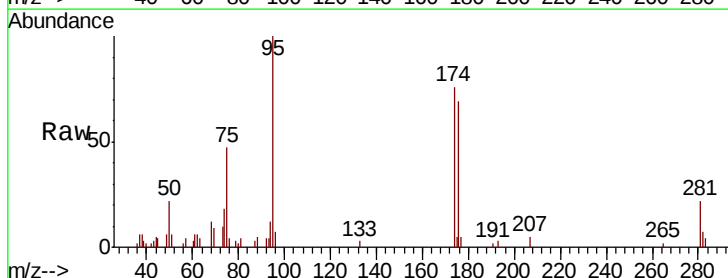
Manual Integrations
 APPROVED

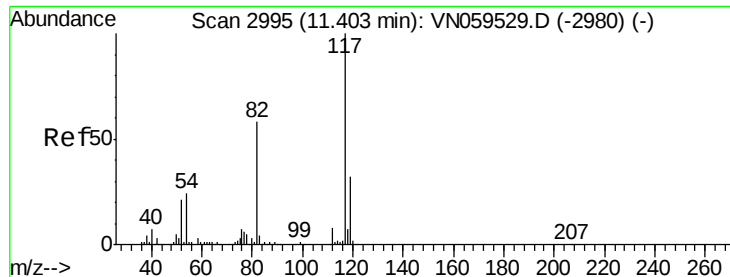
apatel
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#62
 4-Bromofluorobenzene
 Concen: 4.178 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	158.0
176	74.3	0.0	155.4





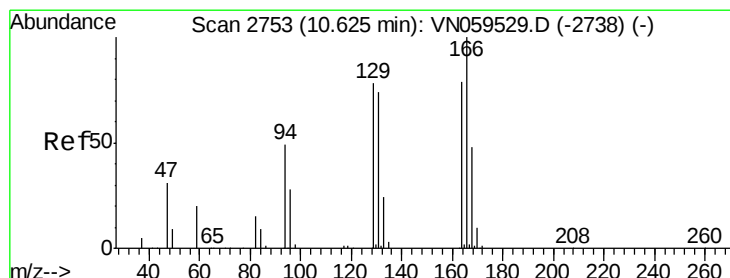
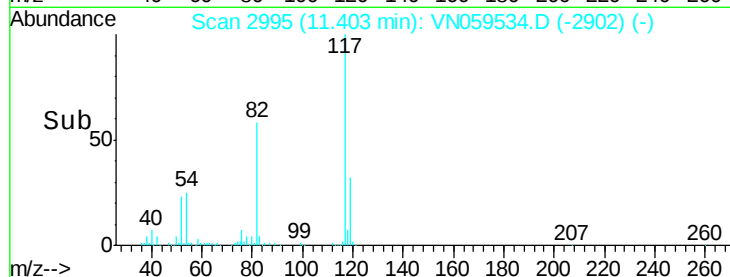
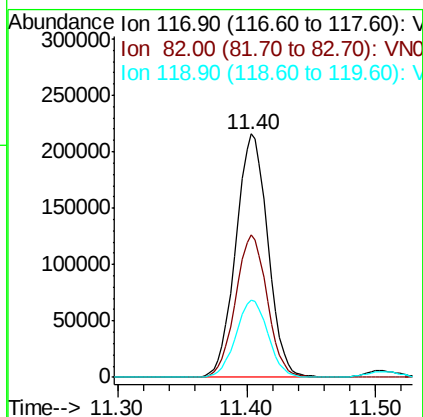
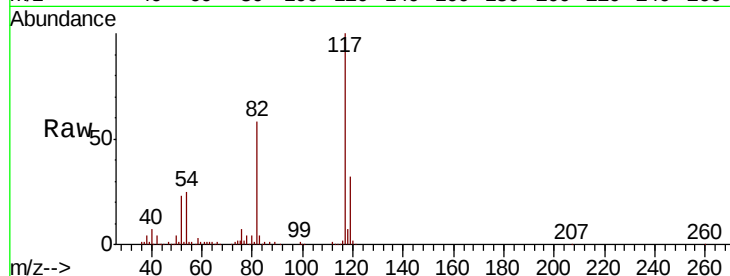
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.5	69.7
119	31.8	25.2	37.8

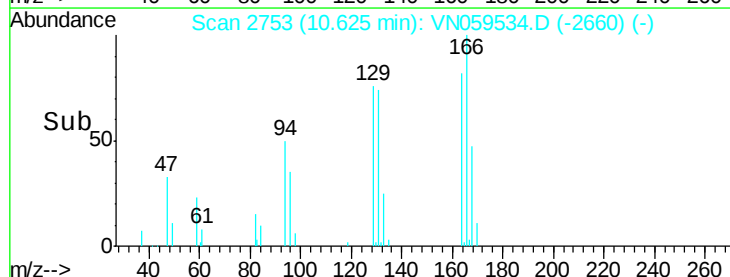
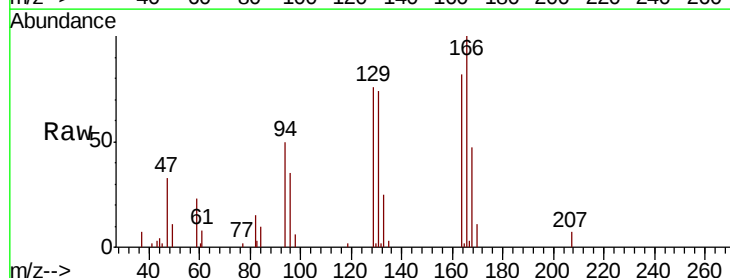
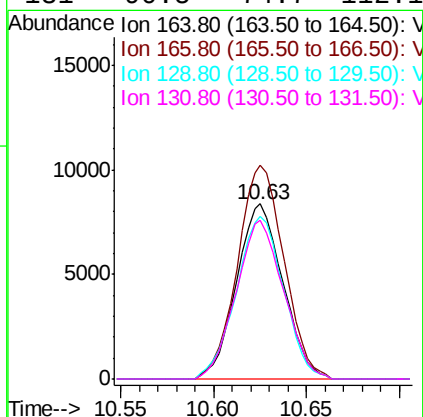
Manual Integrations
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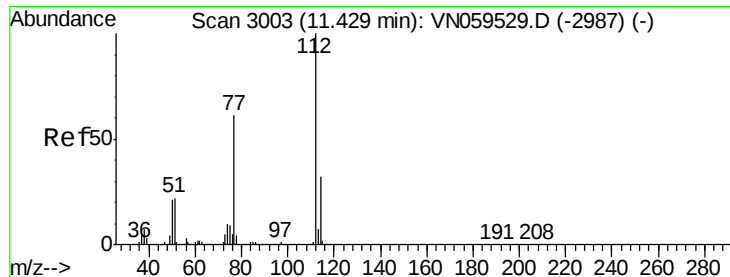
apatel
12/10/2019 5:11:00 PM



#64
Tetrachloroethene
Concen: 4.829 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	101.6	152.4
129	92.9	79.0	118.6
131	90.5	74.7	112.1





#65

Chlorobenzene

Concen: 4.990 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 39563

Ion Ratio Lower Upper

112 100

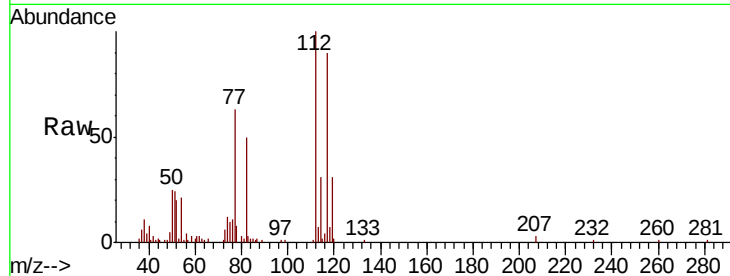
114 31.4 26.0 39.0

Manual Integrations

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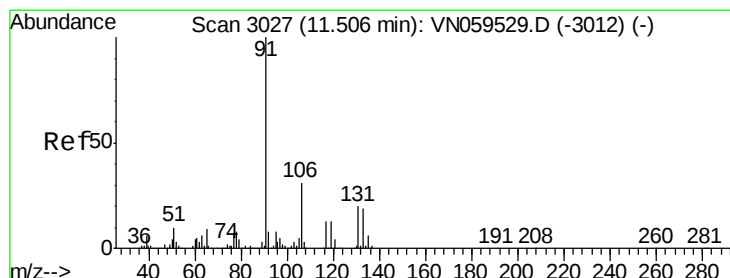
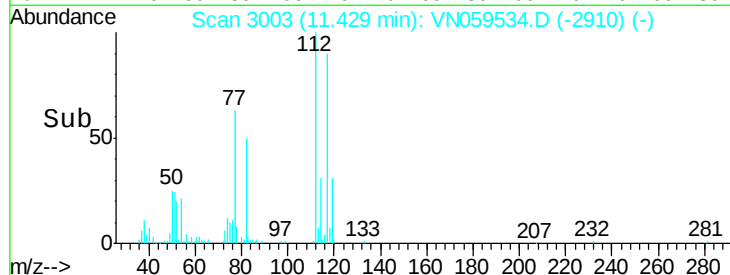
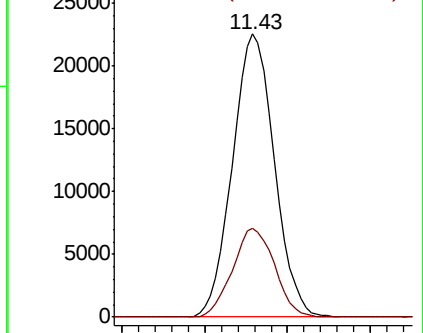
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.165 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

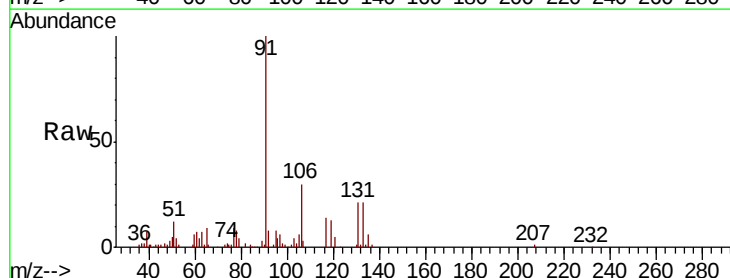
Tgt Ion:131 Resp: 14769

Ion Ratio Lower Upper

131 100

133 98.6 47.8 143.3

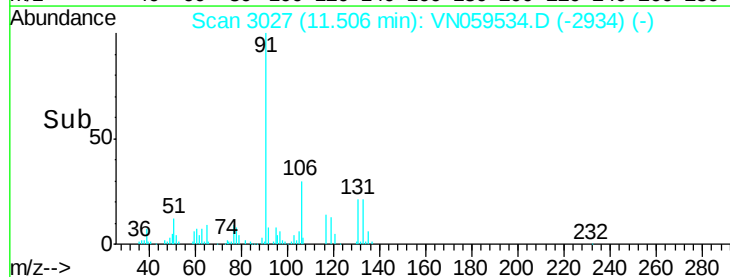
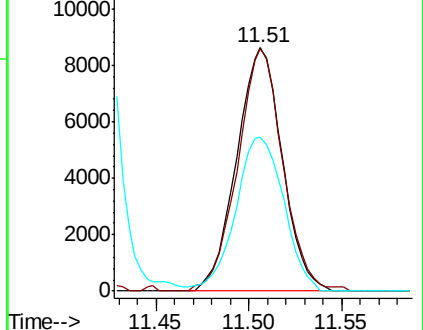
119 66.7 33.4 100.2

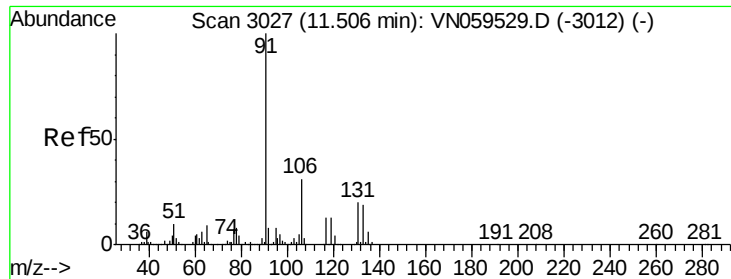


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





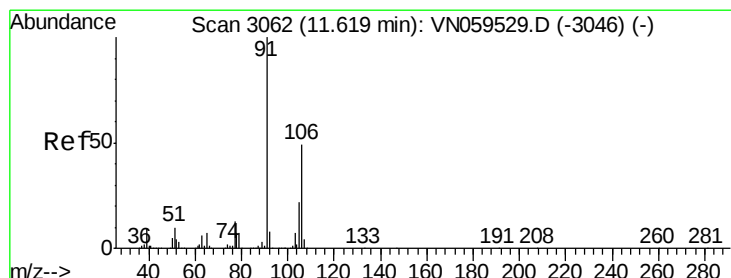
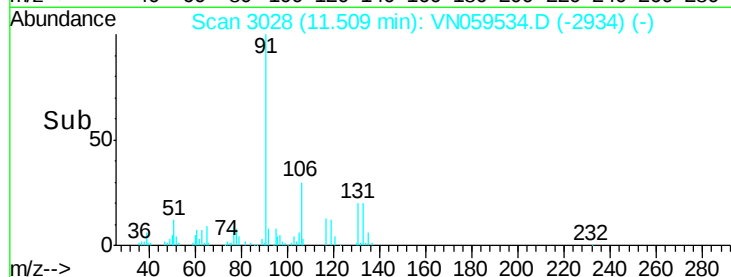
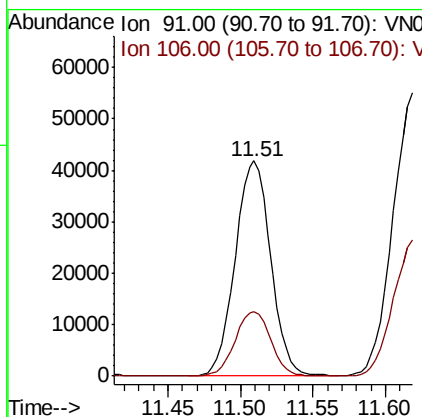
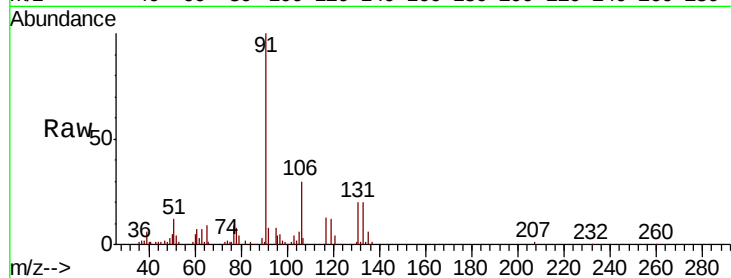
#67
Ethyl Benzene
Concen: 5.112 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 71172
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7

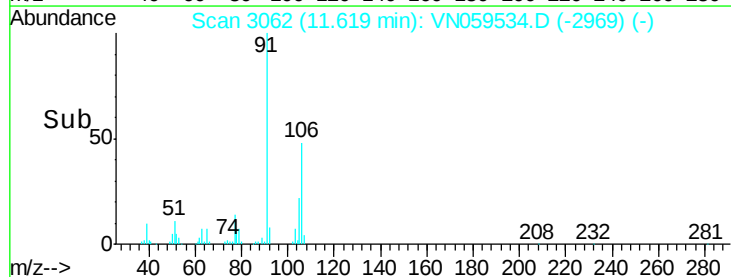
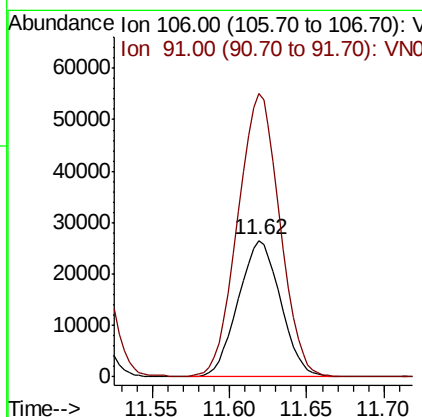
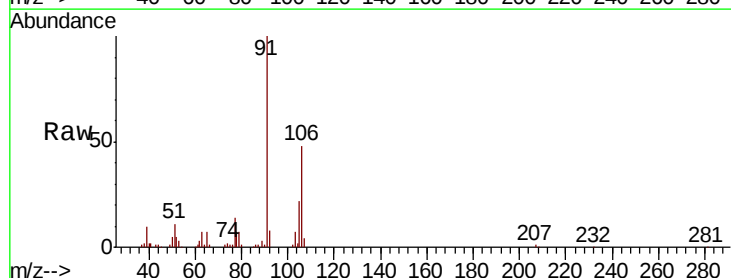
Manual Integrations
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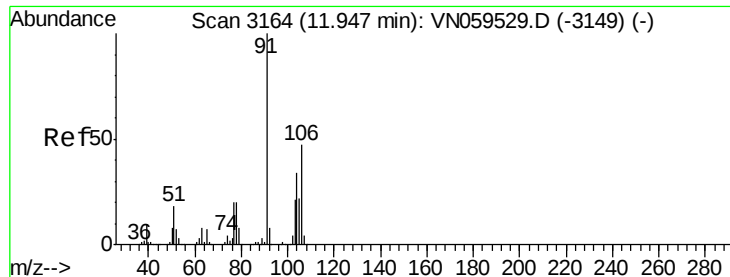
apatel
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#68
m/p-Xylenes
Concen: 9.666 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion: 106 Resp: 50520
Ion Ratio Lower Upper
106 100
91 206.4 162.9 244.3





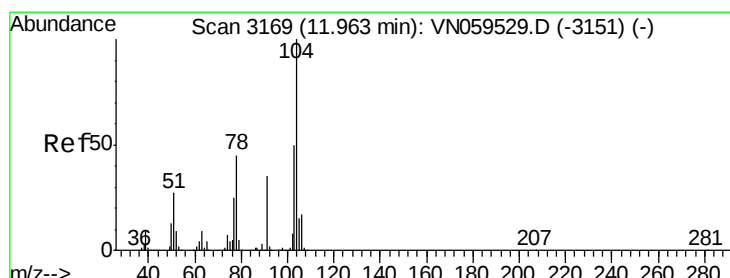
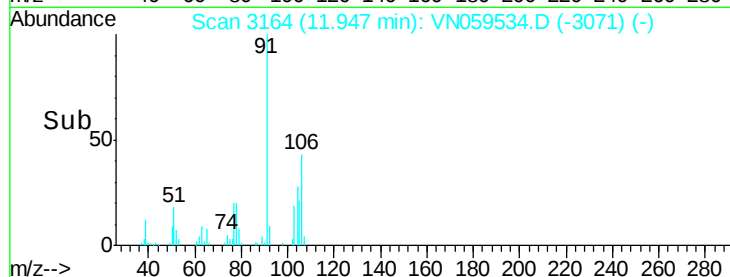
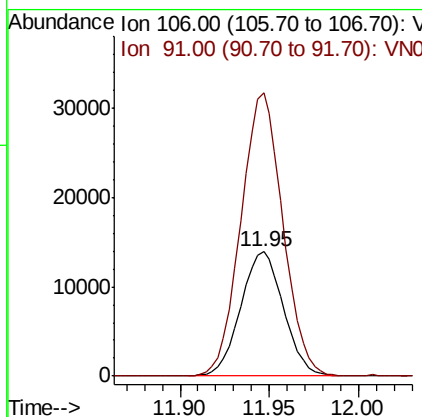
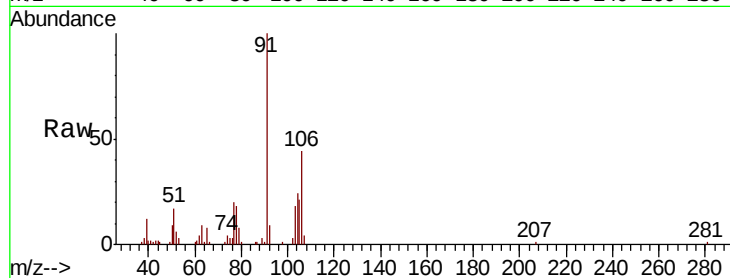
#69
o-Xylene
Concen: 4.701 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.6	106.7	319.9

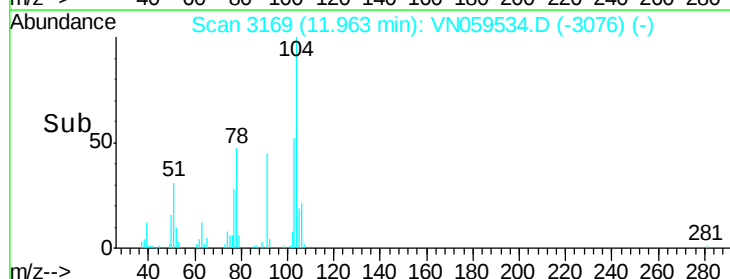
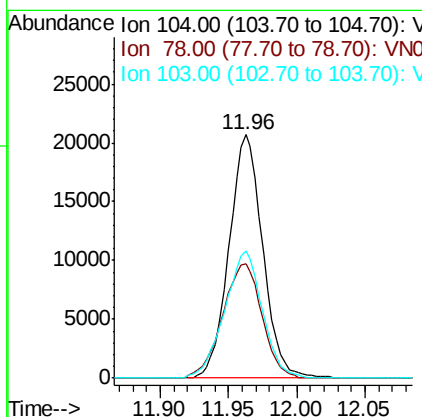
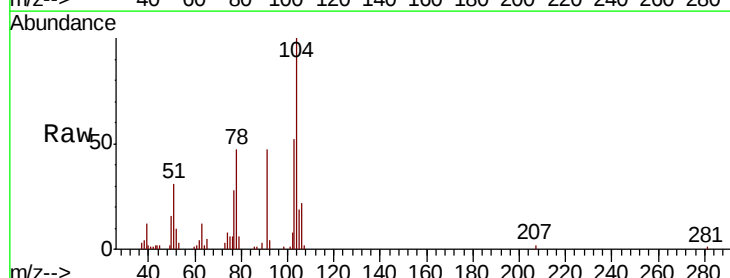
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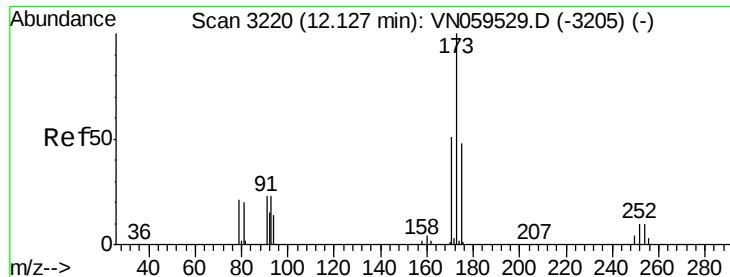
apatel
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#70
Styrene
Concen: 4.447 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.8	40.6	60.8
103	58.3	43.9	65.9





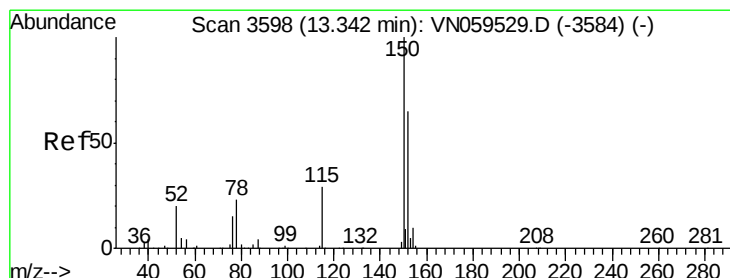
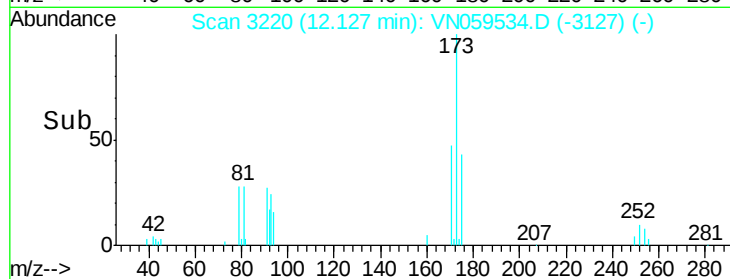
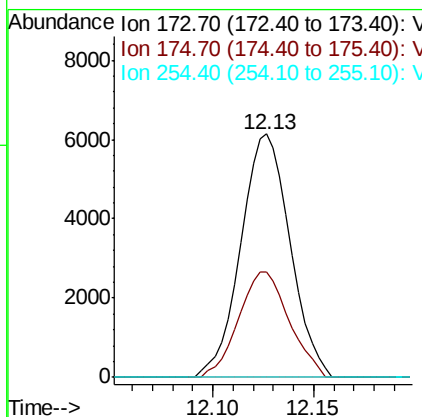
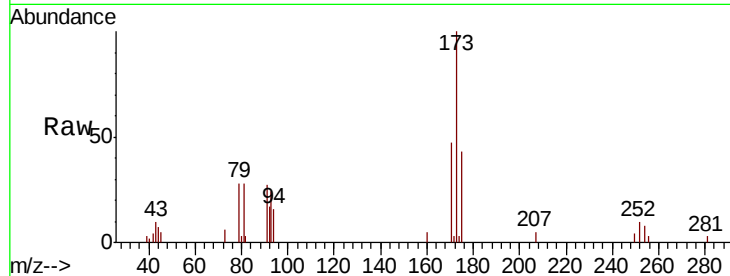
#71
Bromoform
Concen: 4.641 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.4	24.1	72.4
254	0.0	0.0	0.0

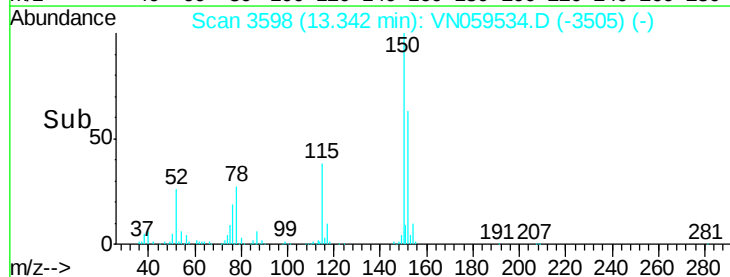
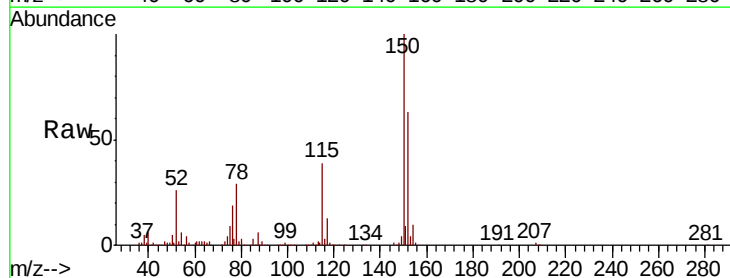
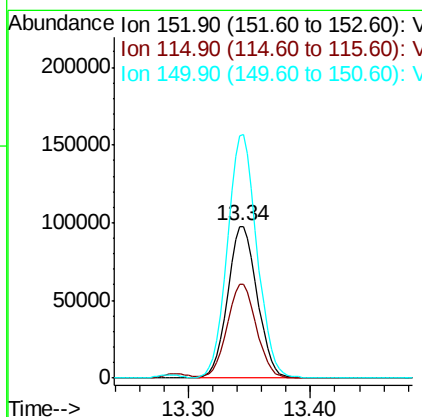
Manual Integrations
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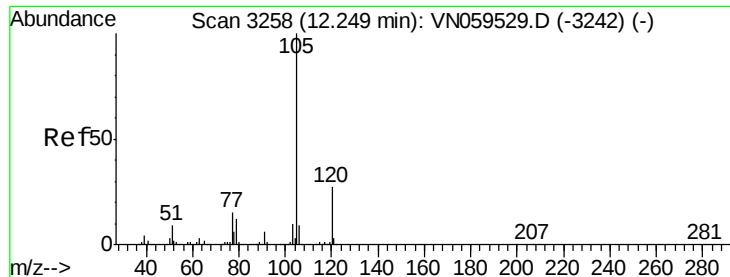
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.4	88.2
150	159.3	0.0	342.4





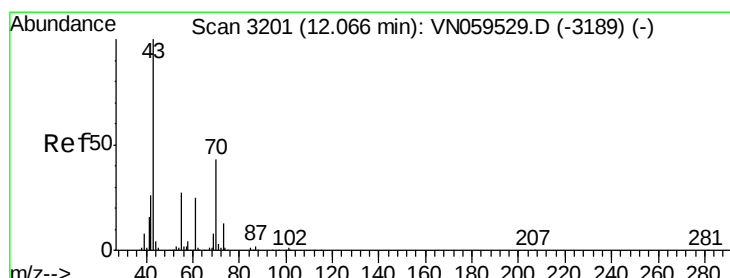
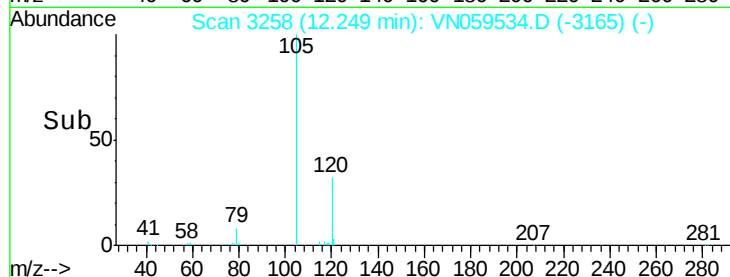
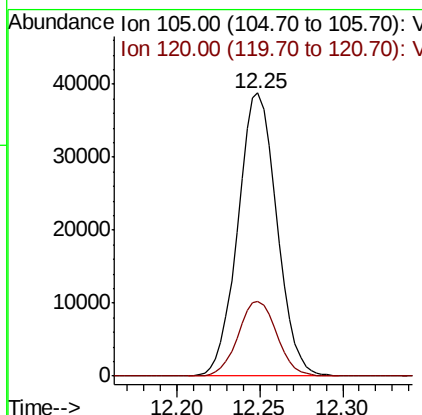
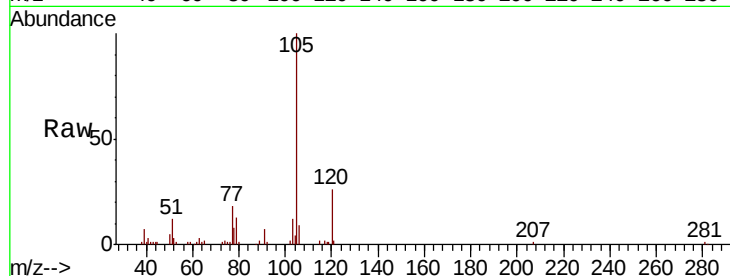
#73
Isopropylbenzene
Concen: 5.026 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

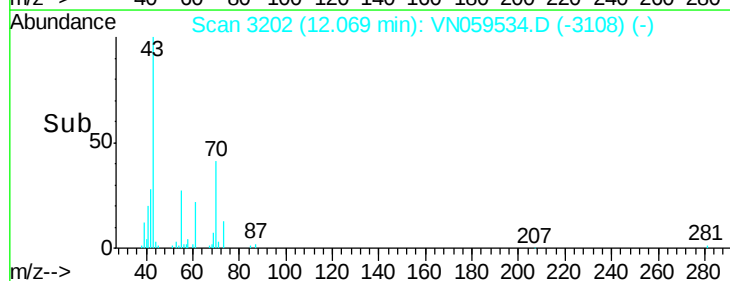
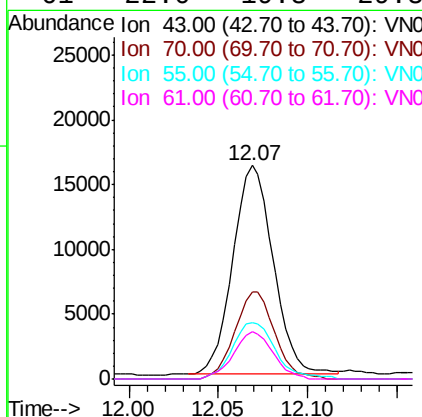
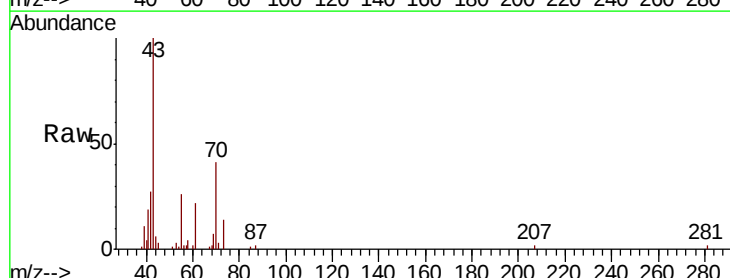
Manual Integrations
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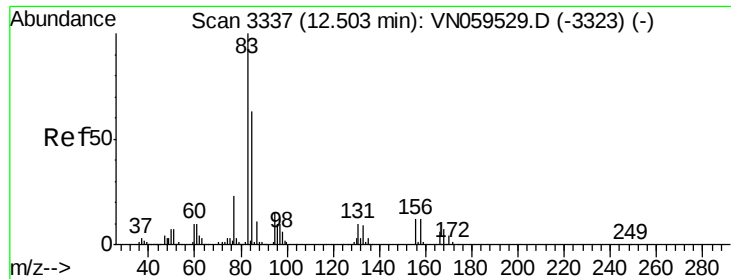
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#74
N-ethyl acetate
Concen: 4.954 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.6	34.2	51.4
55	28.6	21.3	31.9
61	22.0	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.400 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

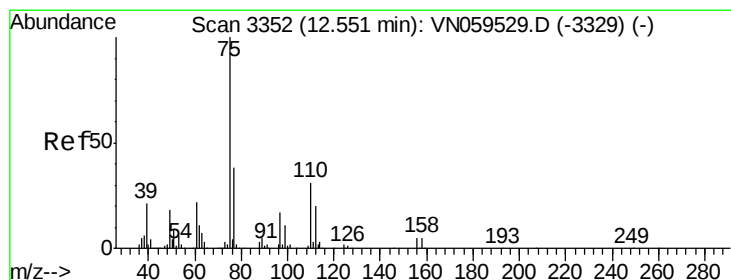
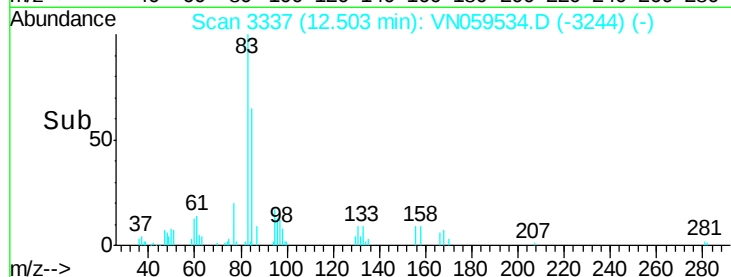
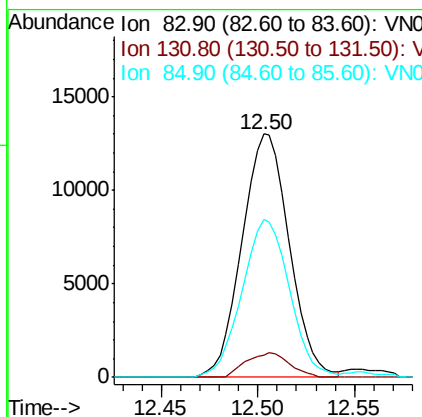
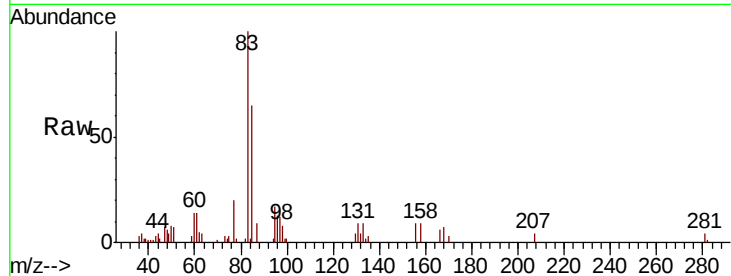
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	22134
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	65.2	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.907 ug/l m

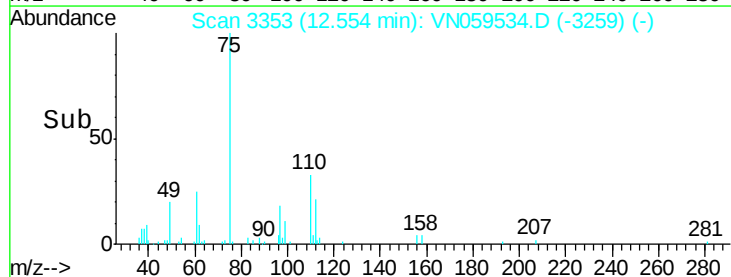
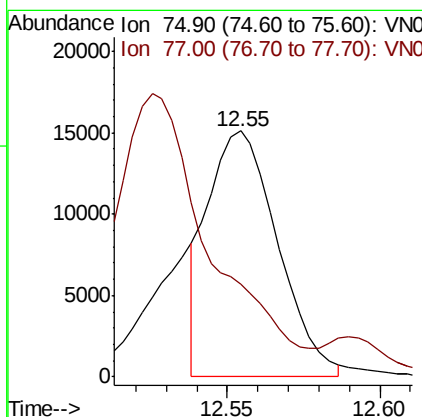
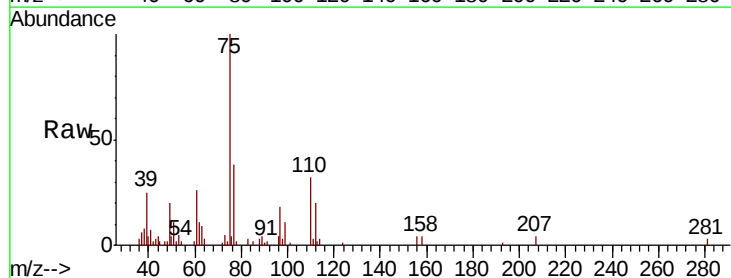
RT: 12.55 min Scan# 3353

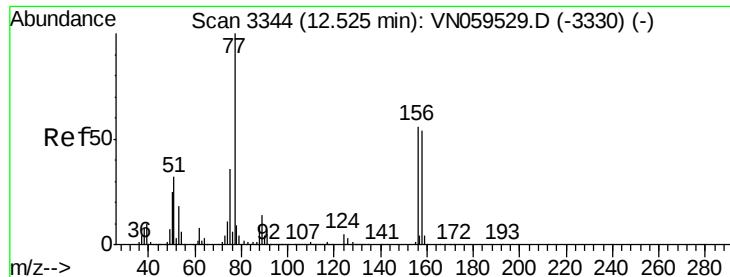
Delta R.T. 0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Tgt Ion:	75	Resp:	23909
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.988 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 15948

Ion Ratio Lower Upper

156 100

77 240.7 109.3 327.8

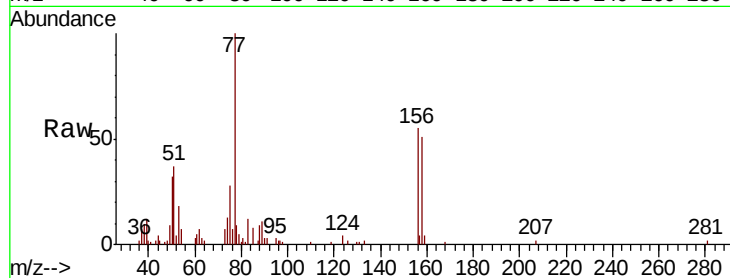
158 97.1 48.6 145.8

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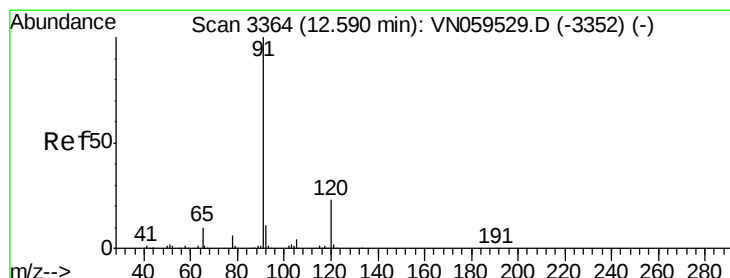
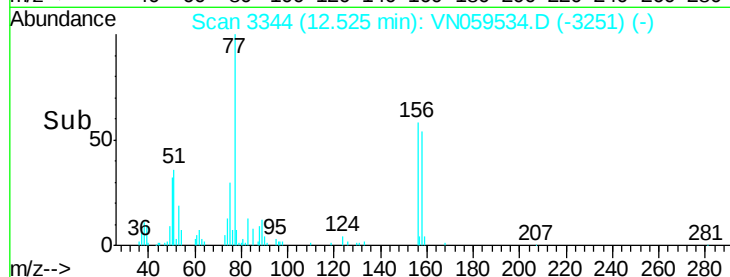
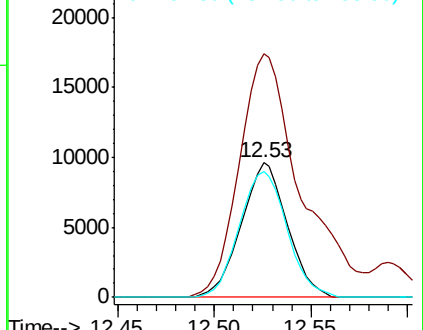
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.910 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059534.D

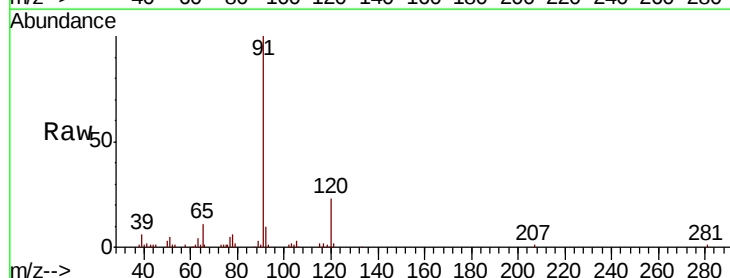
Acq: 9 Dec 2019 17:41

Tgt Ion: 91 Resp: 87730

Ion Ratio Lower Upper

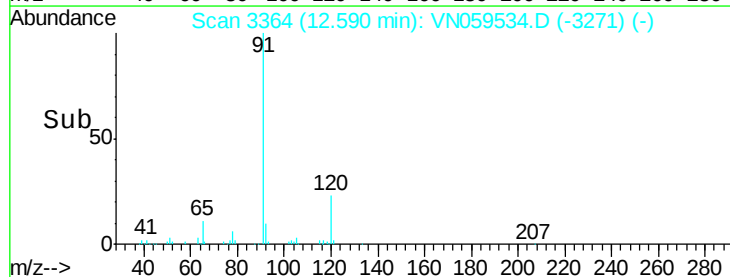
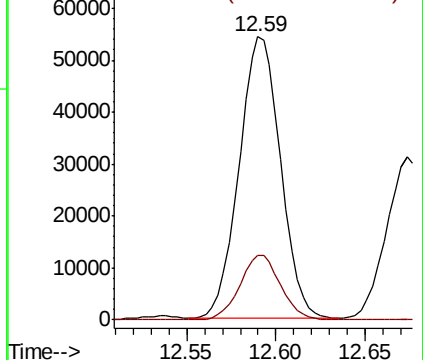
91 100

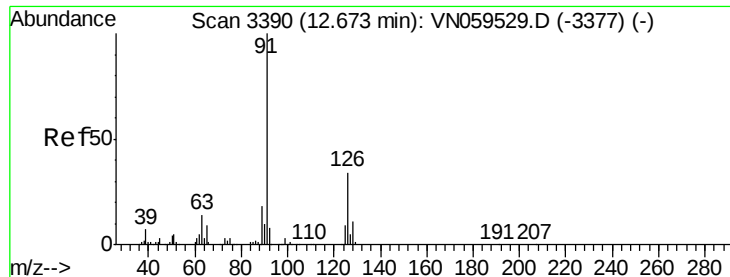
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





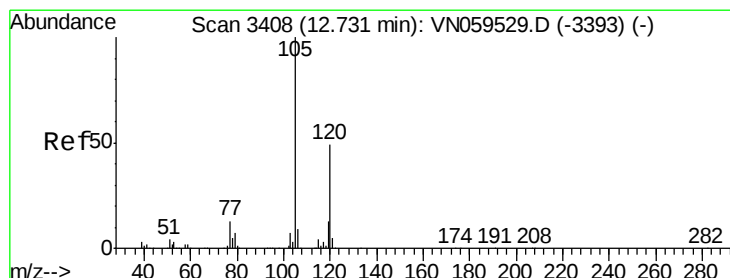
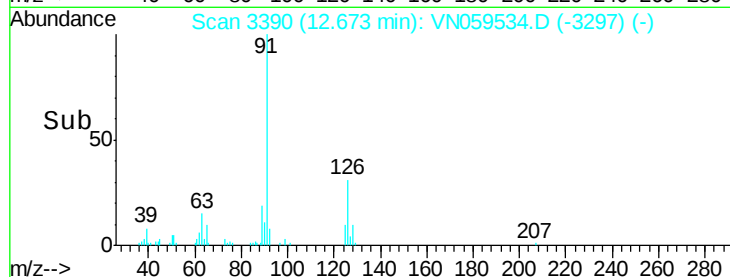
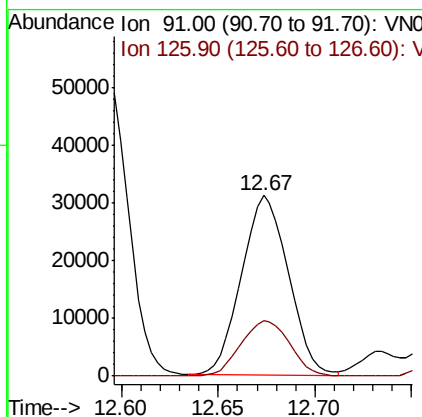
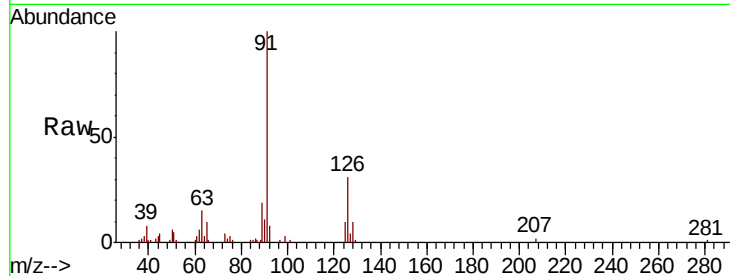
#79
 2-Chlorotoluene
 Concen: 5.897 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 52846
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.9 50.7

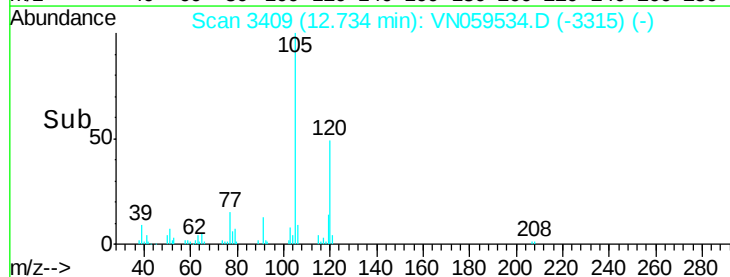
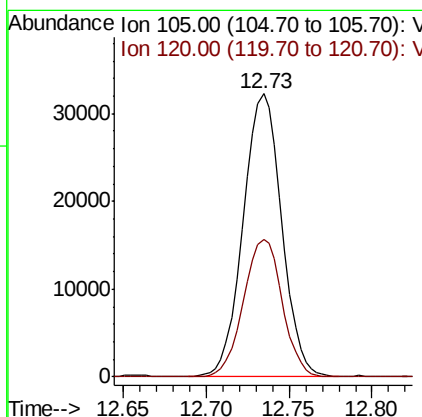
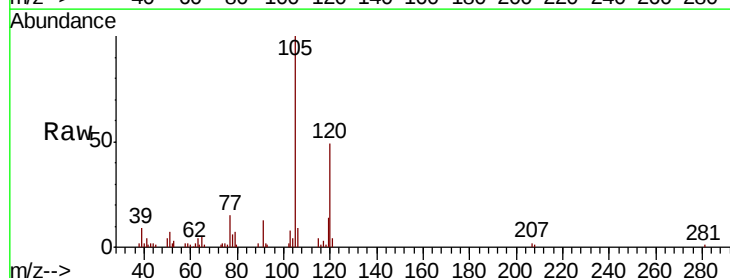
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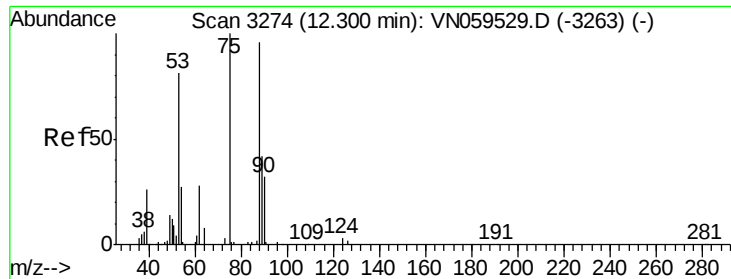
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.879 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion: 105 Resp: 52147
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.5 73.5





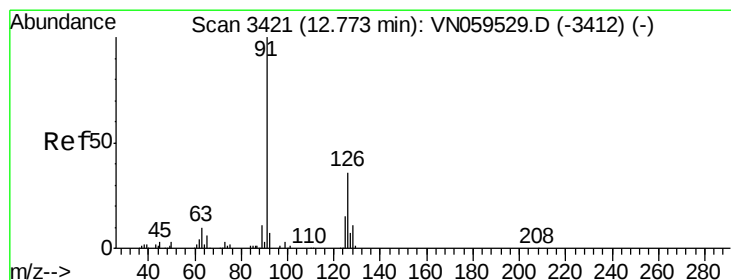
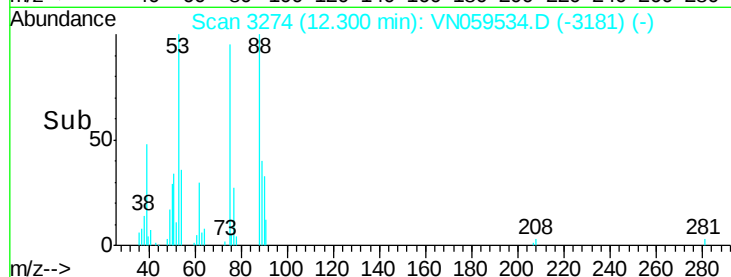
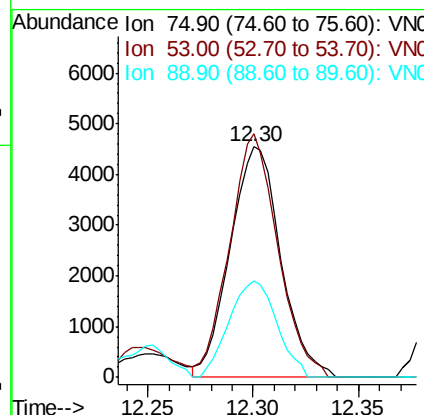
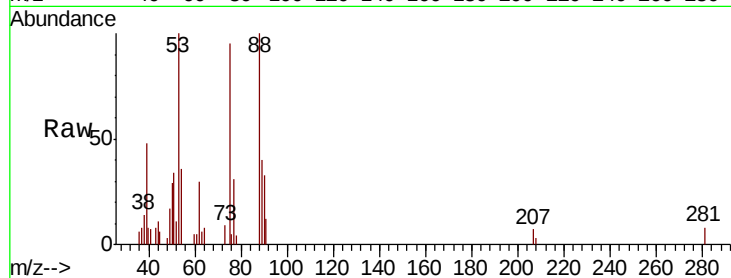
#81
trans-1,4-Dichloro-2-butene
Concen: 5.082 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	67.0	100.6#
89	39.5	35.5	53.3

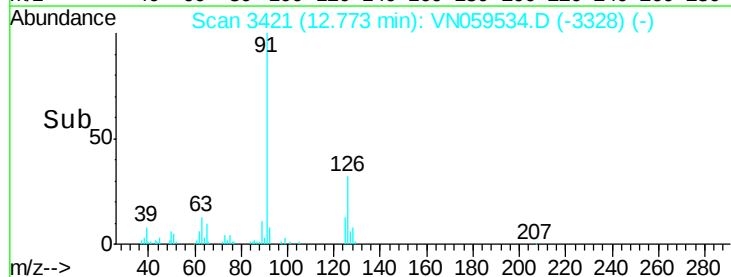
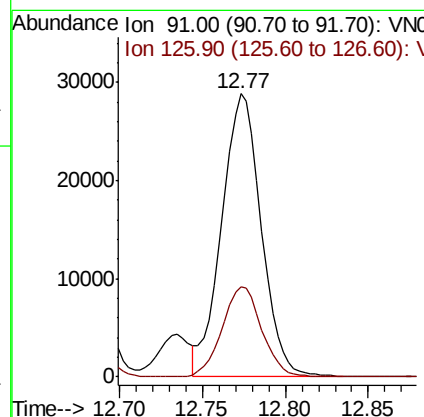
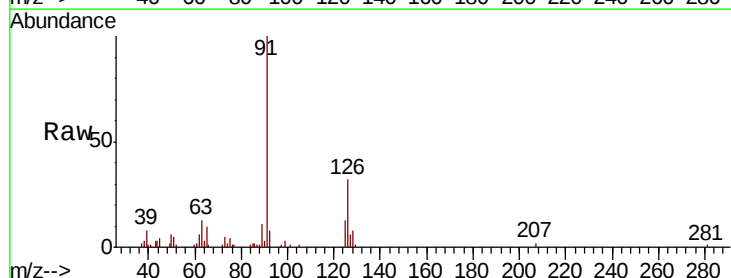
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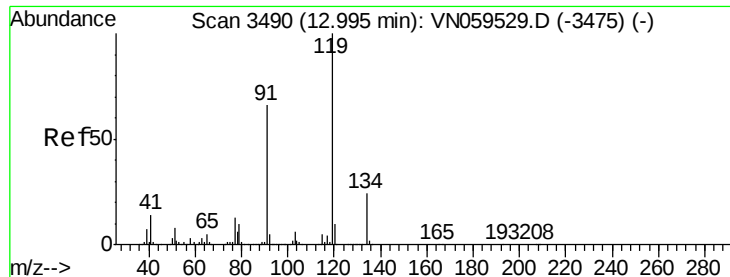
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#82
4-Chlorotoluene
Concen: 5.165 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.4	49.4





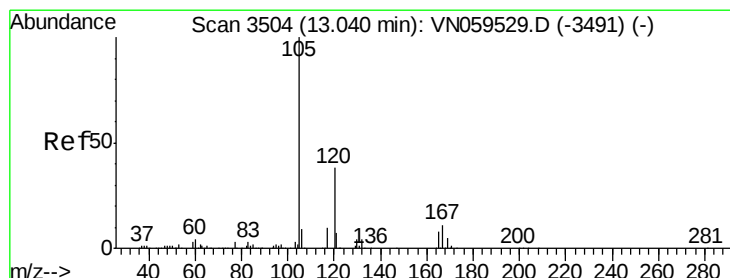
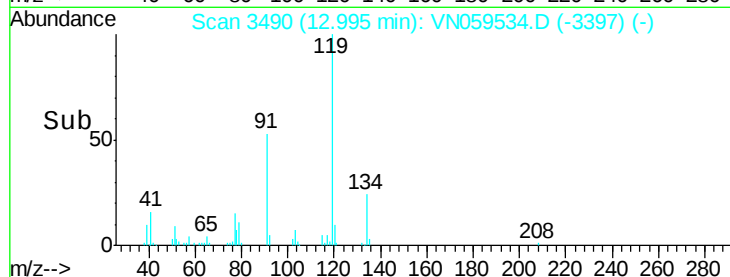
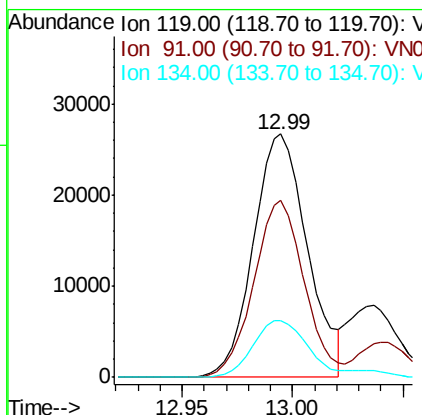
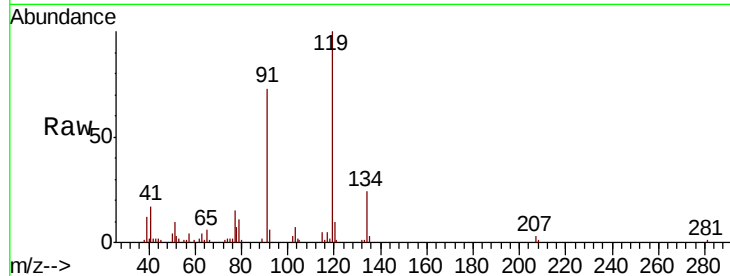
#83
 tert-Butylbenzene
 Concen: 4.889 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	32.8	98.4
134	23.7	12.8	38.3

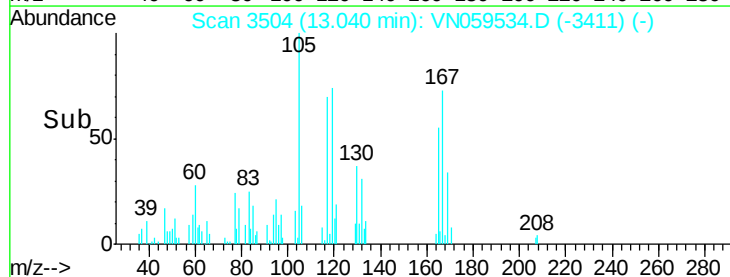
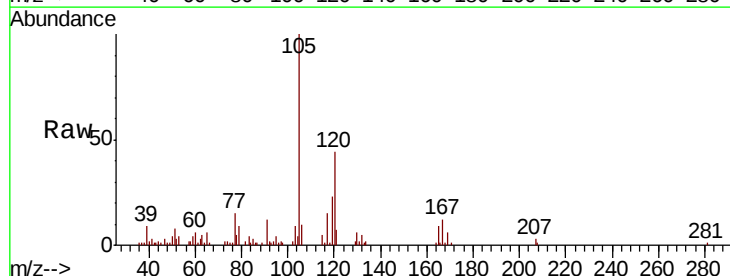
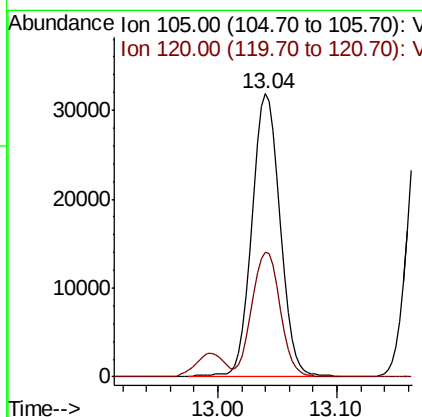
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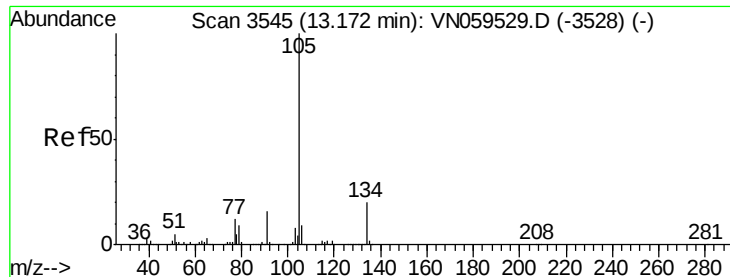
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.019 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.8	68.3





#85

sec-Butylbenzene

Concen: 4.986 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Instrument :

MSVOA_N

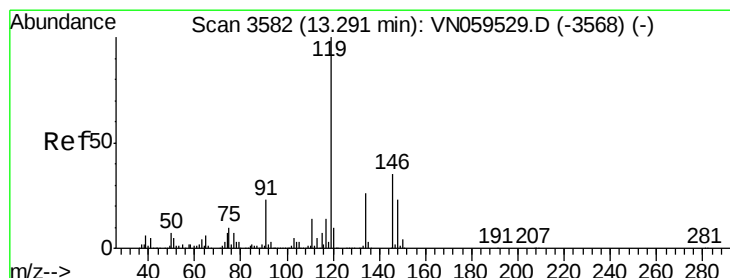
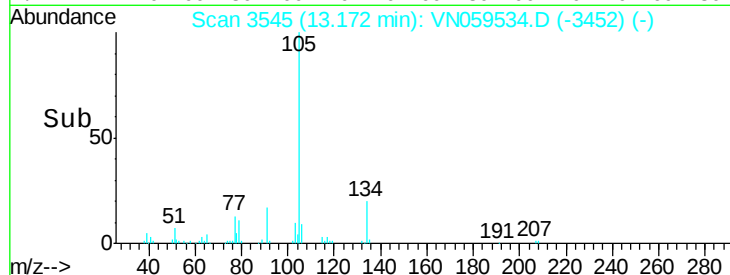
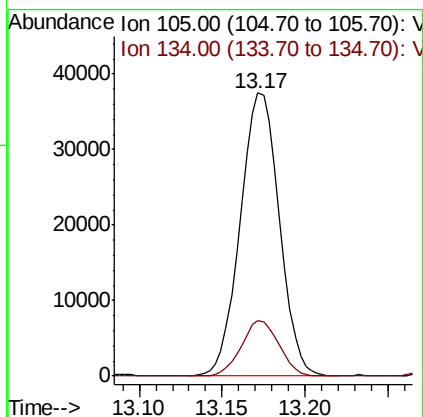
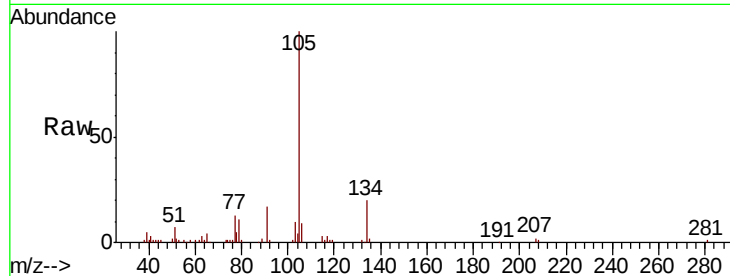
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 4.870 ug/l

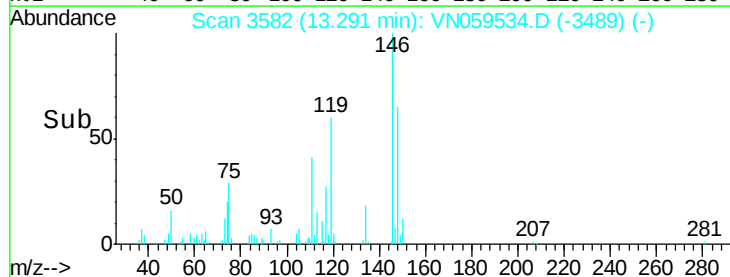
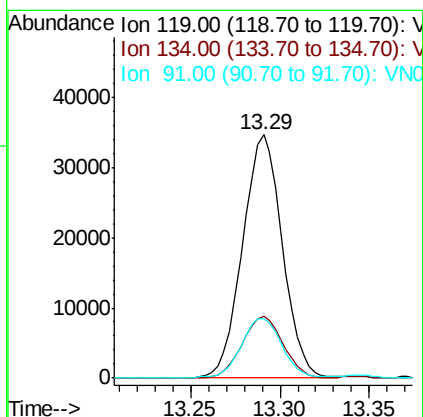
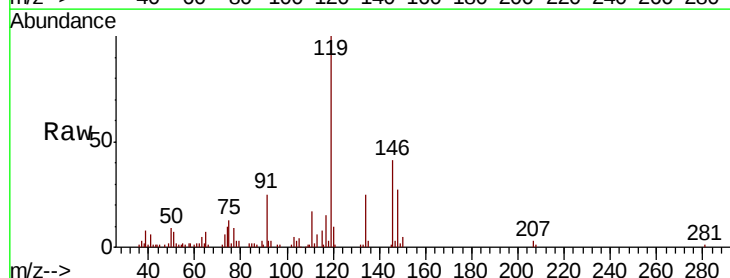
RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059534.D

Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.4	11.7	35.1





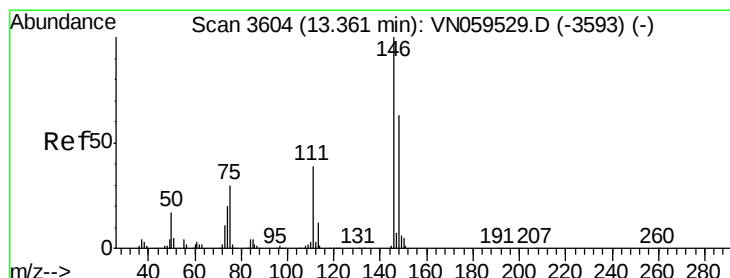
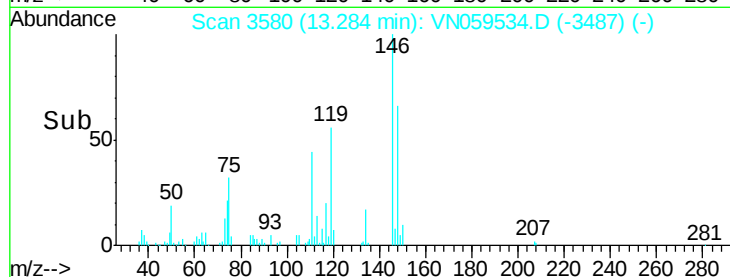
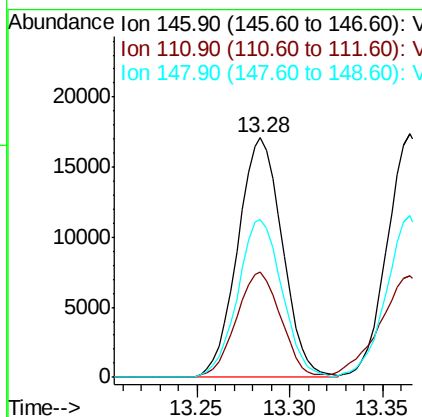
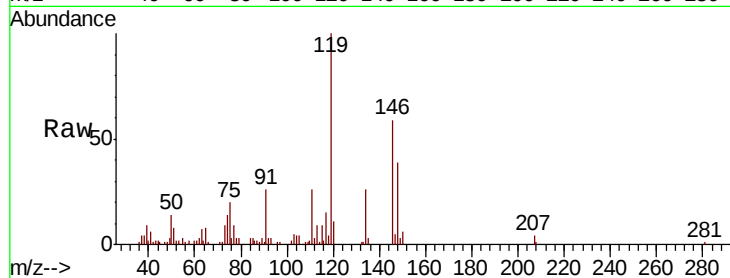
#87
 1,3-Dichlorobenzene
 Concen: 5.025 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.6	61.8
148	65.3	32.0	96.0

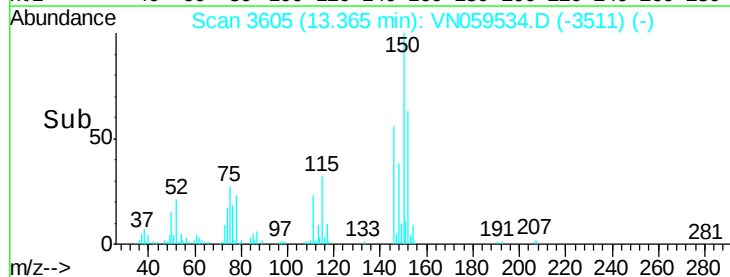
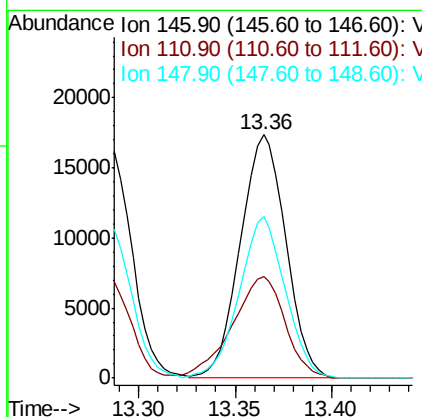
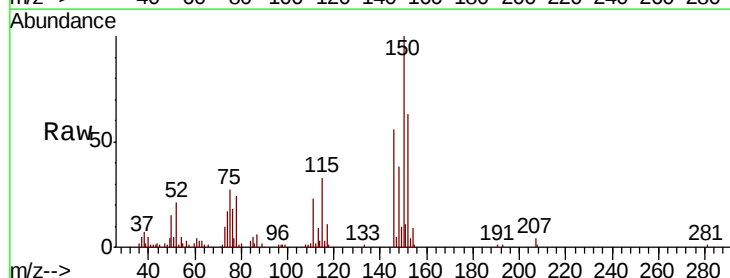
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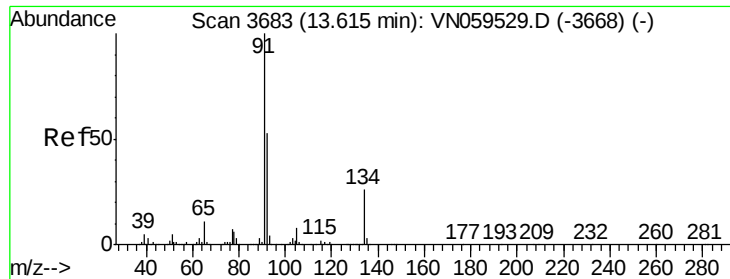
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#88
 1,4-Dichlorobenzene
 Concen: 4.948 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.4	20.0	59.9
148	67.0	31.9	95.7





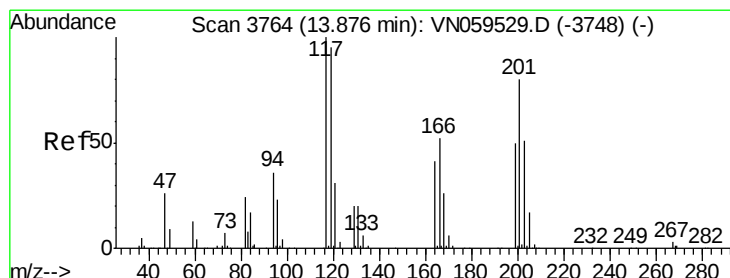
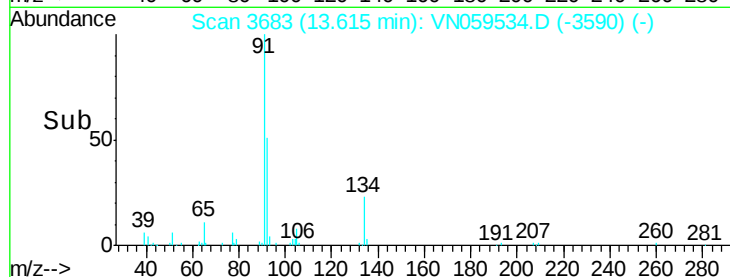
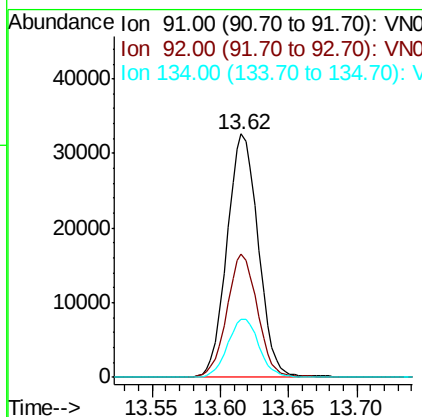
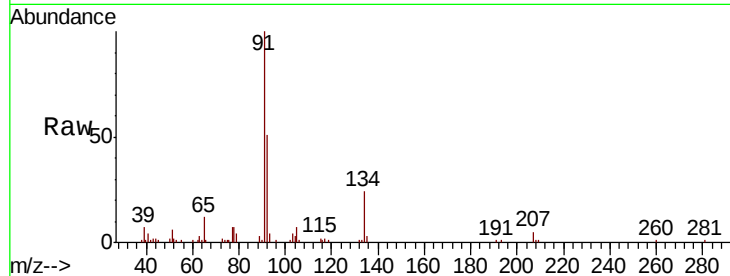
#89
n-Butylbenzene
Concen: 5.229 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.4	26.3	78.9
134	23.8	12.8	38.4

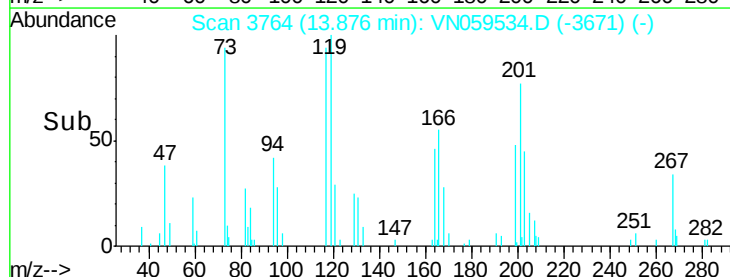
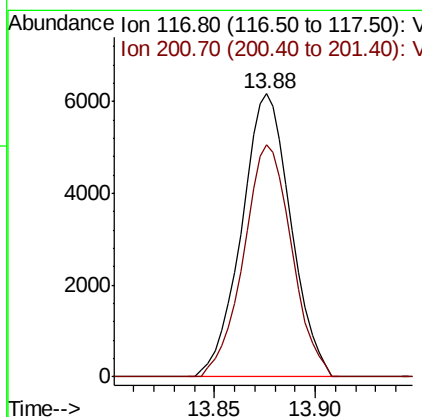
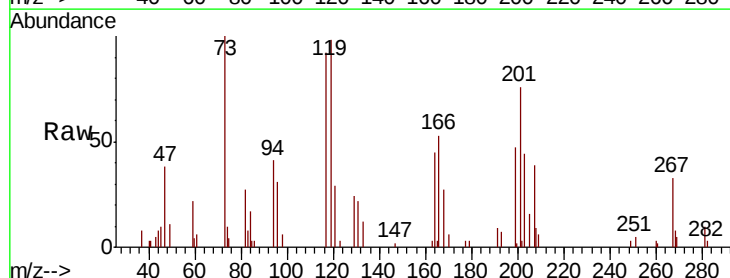
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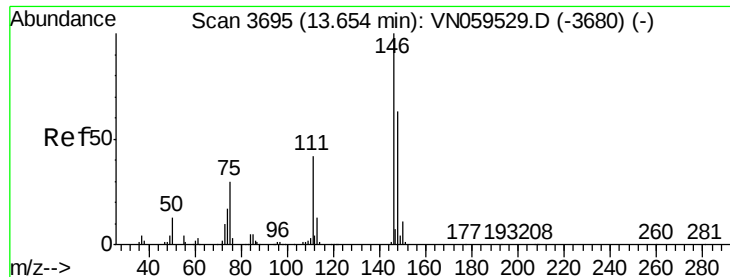
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#90
Hexachloroethane
Concen: 4.938 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.5	121.5





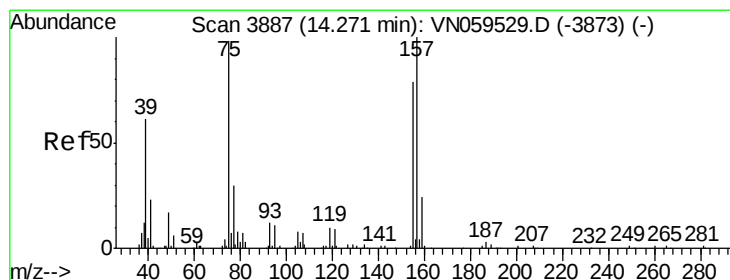
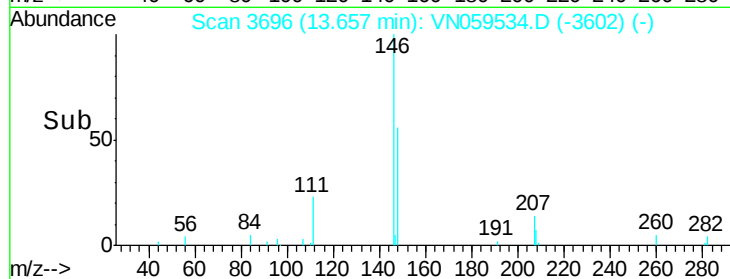
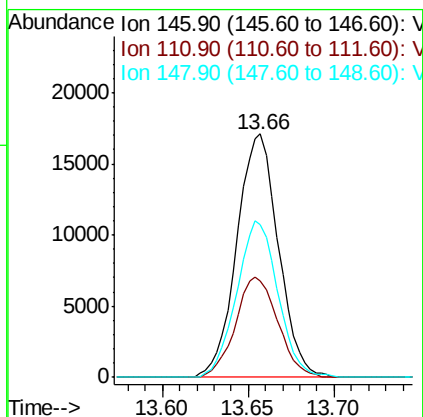
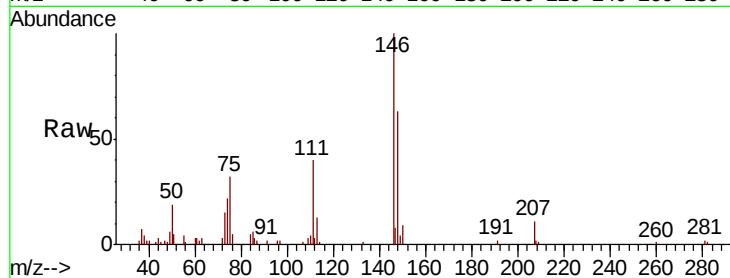
#91
 1,2-Dichlorobenzene
 Concen: 5.283 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.9	62.7
148	63.8	31.6	94.8

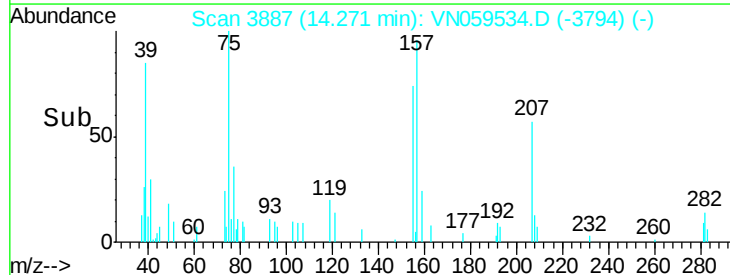
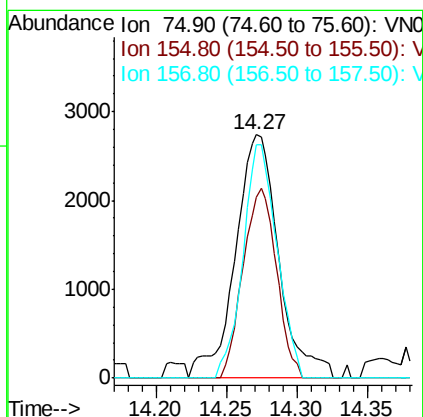
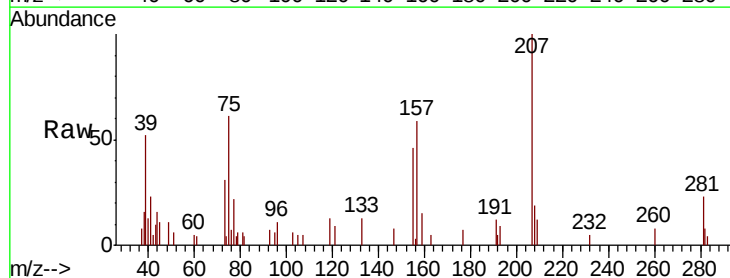
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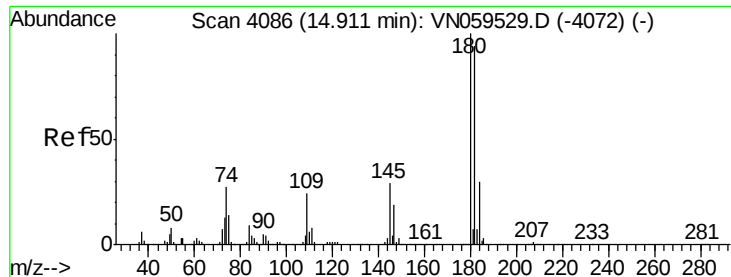
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.977 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.3	40.4	121.1
157	75.0	51.1	153.3





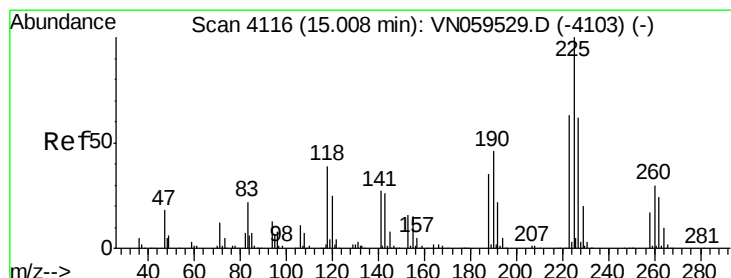
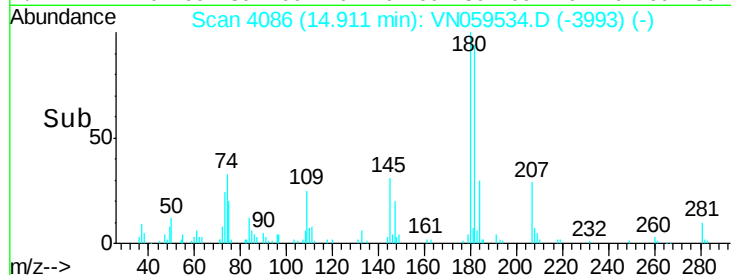
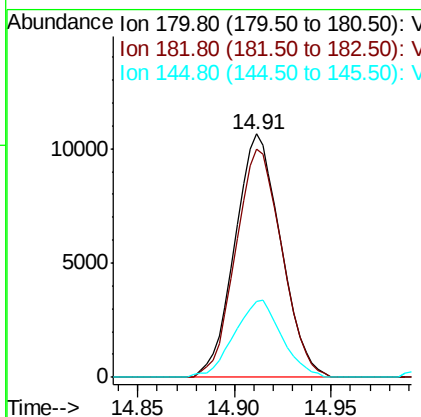
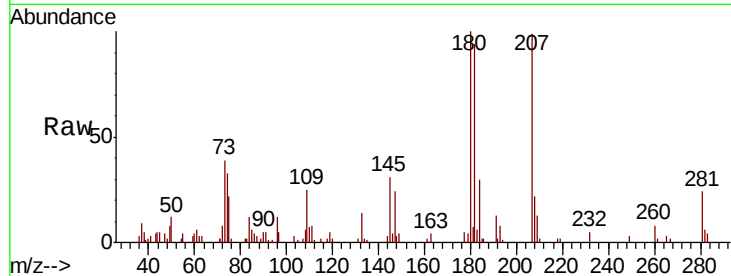
#93
 1,2,4-Trichlorobenzene
 Concen: 5.122 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	142.0
145	32.8	14.9	44.7

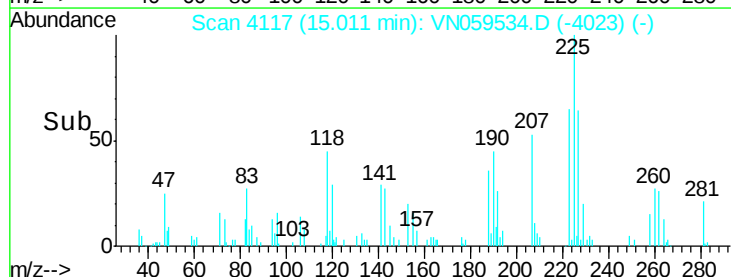
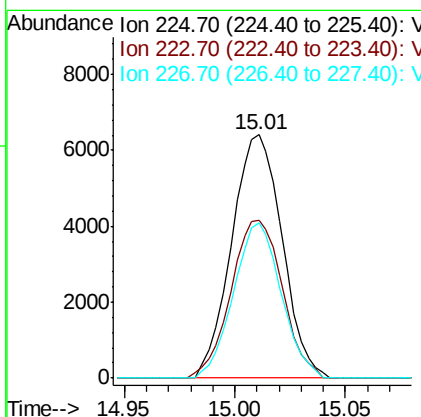
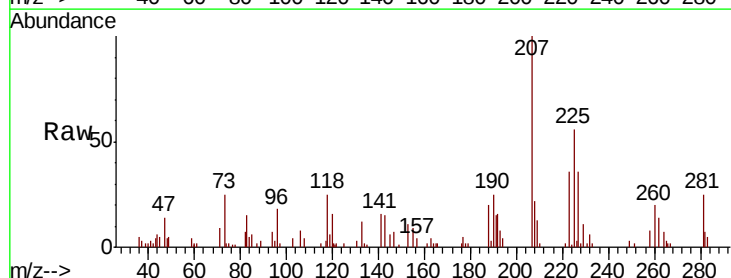
Manual Integrations
 APPROVED

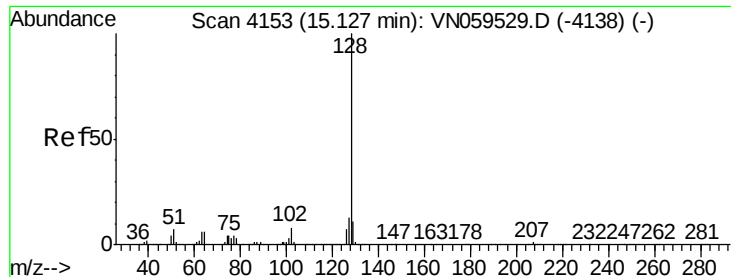
apatel
 12/10/2019 5:11:00 PM



#94
 Hexachlorobutadiene
 Concen: 4.789 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059534.D
 Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.3	93.9
227	60.2	31.6	95.0





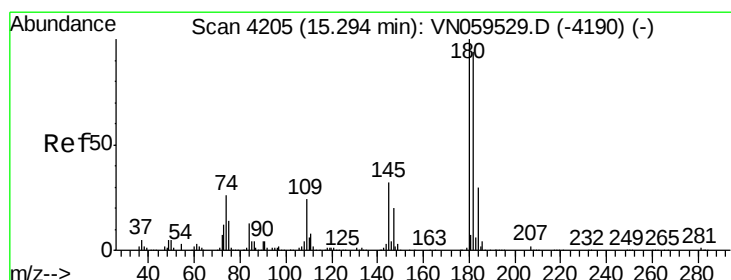
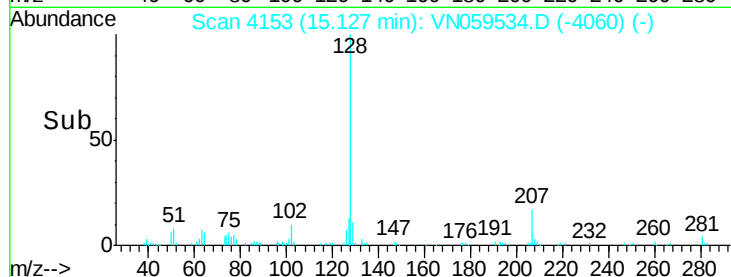
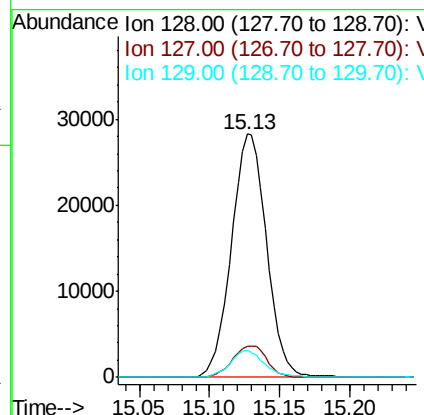
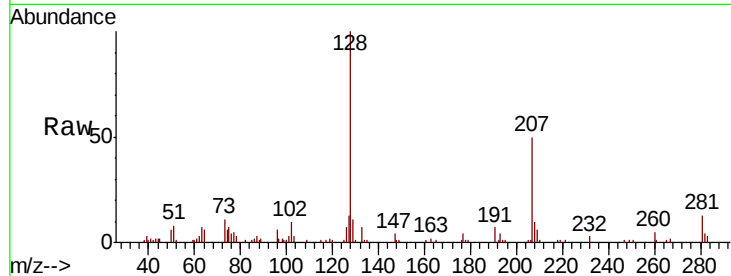
#95
Naphthalene
Concen: 4.908 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

apatel
12/10/2019 5:11:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.977 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059534.D
Acq: 9 Dec 2019 17:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.1	141.4
145	34.2	15.8	47.4

