

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121019\
 Data File : VN059551.D
 Acq On : 10 Dec 2019 16:38
 Operator : JC/SP
 Sample : VN1210WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Manual Integrations
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 12/11/2019 2:16:00 PM

Quant Time: Dec 11 06:58:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	251175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	414884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	381617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	182547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	184996	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	7.57	113	132316	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.08	98	508497	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	185536	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58086	20.050	ug/l	97
3) Chloromethane	2.04	50	93511	21.323	ug/l	99
4) Vinyl Chloride	2.17	62	92709	21.448	ug/l	99
5) Bromomethane	2.55	94	53915	20.478	ug/l	99
6) Chloroethane	2.68	64	52131	20.197	ug/l	96
7) Trichlorofluoromethane	3.00	101	111683	21.614	ug/l	98
8) Diethyl Ether	3.39	74	33952	19.173	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	53034	19.721	ug/l	98
10) Methyl Iodide	3.93	142	70626	19.396	ug/l	99
11) Tert butyl alcohol	4.75	59	61591	106.052	ug/l	99
12) 1,1-Dichloroethene	3.72	96	50162	19.188	ug/l	96
13) Acrolein	3.58	56	42892	151.768	ug/l	97
14) Allyl chloride	4.30	41	101248	20.133	ug/l	98
15) Acrylonitrile	4.96	53	158751	103.641	ug/l	99
16) Acetone	3.79	43	149272	91.026	ug/l	98
17) Carbon Disulfide	4.03	76	163561	19.411	ug/l	100
18) Methyl Acetate	4.30	43	86974	20.201	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	182706	21.025	ug/l	100
20) Methylene Chloride	4.52	84	62075	20.846	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	57056	20.334	ug/l	97
22) Diisopropyl ether	5.93	45	200140	20.905	ug/l	99
23) Vinyl Acetate	5.87	43	860314	107.727	ug/l	100
24) 1,1-Dichloroethane	5.82	63	113303	20.845	ug/l	100
25) 2-Butanone	6.81	43	229123	103.800	ug/l	98
26) 2,2-Dichloropropane	6.80	77	98378	20.034	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	65377	20.715	ug/l	99
28) Bromochloromethane	7.17	49	46440	24.094	ug/l	99
29) Tetrahydrofuran	7.19	42	155482	101.265	ug/l	99
30) Chloroform	7.35	83	110134	20.530	ug/l	100
31) Cyclohexane	7.64	56	103024	19.476	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	99512	20.910	ug/l	99
36) 1,1-Dichloropropene	7.77	75	84331	19.812	ug/l	99
37) Ethyl Acetate	6.91	43	95963	20.276	ug/l	96
38) Carbon Tetrachloride	7.75	117	87391	20.829	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	103714	21.722	ug/l	98
40) Benzene	8.02	78	246090	20.238	ug/l	98
41) Methacrylonitrile	7.15	41	31376m	15.168	ug/l	
42) 1,2-Dichloroethane	8.11	62	98076	21.648	ug/l	99
43) Isopropyl Acetate	8.15	43	151297	20.591	ug/l	98
44) Trichloroethene	8.82	130	61979	20.176	ug/l	97
45) 1,2-Dichloropropane	9.10	63	70317	21.829	ug/l	98
46) Dibromomethane	9.19	93	42734	20.074	ug/l	99
47) Bromodichloromethane	9.39	83	87648	20.716	ug/l	98
48) Methyl methacrylate	9.19	41	66276	20.629	ug/l	99
49) 1,4-Dioxane	9.19	88	19823	482.245	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	465728	99.269	ug/l	99
52) Toluene	10.15	92	149584	20.646	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	98955	20.074	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	105475	20.906	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	59466	20.294	ug/l	98
56) Ethyl methacrylate	10.42	69	86010	18.442	ug/l	100
57) 1,3-Dichloropropane	10.70	76	104287	20.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	143076	119.190	ug/l	100
59) 2-Hexanone	10.75	43	341413	97.110	ug/l	100
60) Dibromochloromethane	10.90	129	64284	19.044	ug/l	100
61) 1,2-Dibromoethane	11.00	107	68483	22.450	ug/l	99
64) Tetrachloroethene	10.63	164	52316	18.758	ug/l	98
65) Chlorobenzene	11.43	112	158441	19.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	60121	20.159	ug/l	98
67) Ethyl Benzene	11.51	91	283212	19.683	ug/l	100
68) m/p-Xylenes	11.62	106	209390	38.792	ug/l	95
69) o-Xylene	11.95	106	100030	19.910	ug/l	95
70) Styrene	11.96	104	158910	19.092	ug/l	98
71) Bromoform	12.13	173	45724	19.486	ug/l #	98
73) Isopropylbenzene	12.25	105	271536	19.830	ug/l	99
74) N-amyl acetate	12.07	43	120332	20.174	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	92174	19.866	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	85654m	18.348	ug/l	
77) Bromobenzene	12.53	156	64672	18.971	ug/l	92
78) n-propylbenzene	12.59	91	326239	19.389	ug/l	98
79) 2-Chlorotoluene	12.67	91	190627	18.999	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	230954	19.669	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	31792	18.323	ug/l #	85
82) 4-Chlorotoluene	12.77	91	200316	19.525	ug/l	98
83) tert-Butylbenzene	12.99	119	195869	20.003	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	228723	19.727	ug/l	99
85) sec-Butylbenzene	13.17	105	265718	19.757	ug/l	99
86) p-Isopropyltoluene	13.29	119	240883	20.039	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	119735	19.069	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	118770	19.318	ug/l	98
89) n-Butylbenzene	13.62	91	222274	19.693	ug/l	98
90) Hexachloroethane	13.88	117	45218	20.483	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	117214	19.892	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21624	21.559	ug/l	87

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ClientSampleId :
VN1210WBSD01

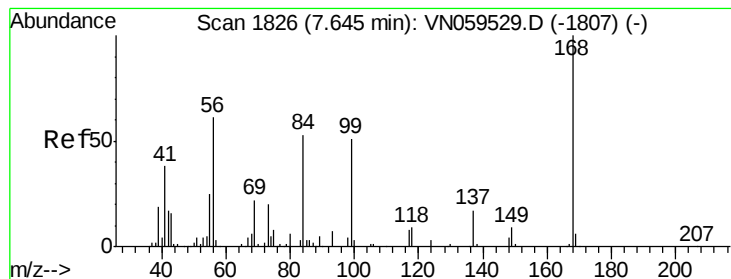
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72377	17.759	ug/l	99
94) Hexachlorobutadiene	15.01	225	38701	18.588	ug/l	98
95) Naphthalene	15.13	128	206567	17.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	69985	19.190	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: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:168 Resp: 251175

Ion Ratio Lower Upper

168 100

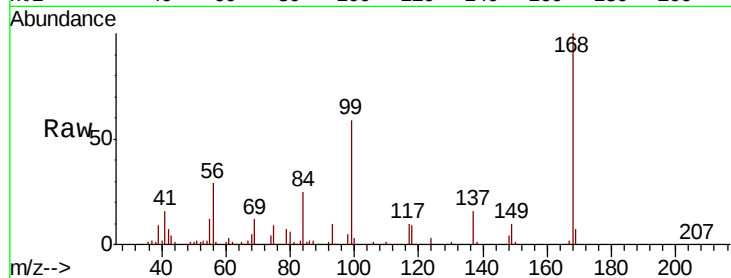
99 59.3 46.6 70.0

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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

100000

80000

60000

40000

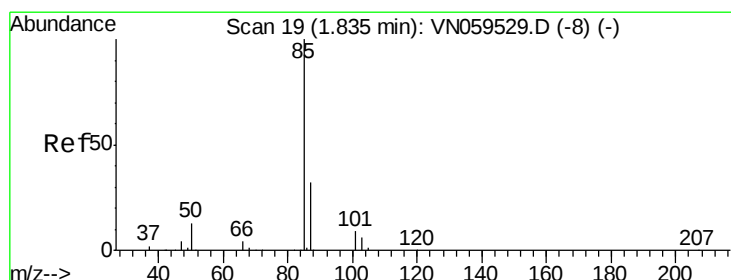
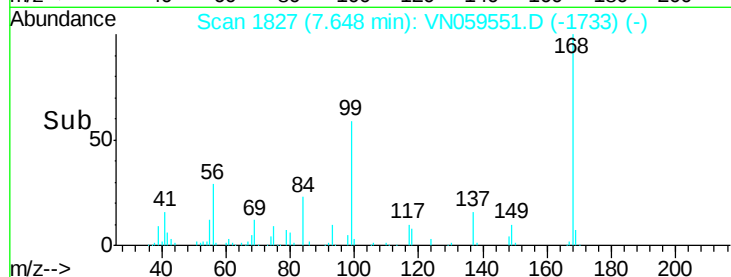
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.050 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059551.D

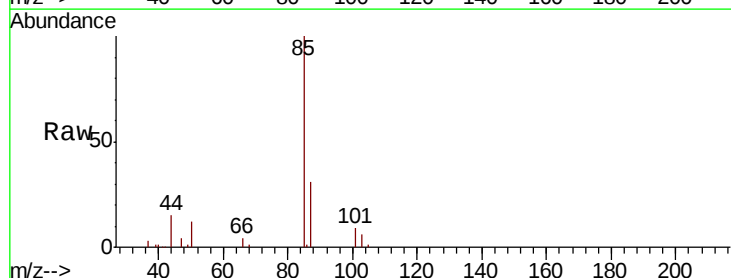
Acq: 10 Dec 2019 16:38

Tgt Ion: 85 Resp: 58086

Ion Ratio Lower Upper

85 100

87 30.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

20000

10000

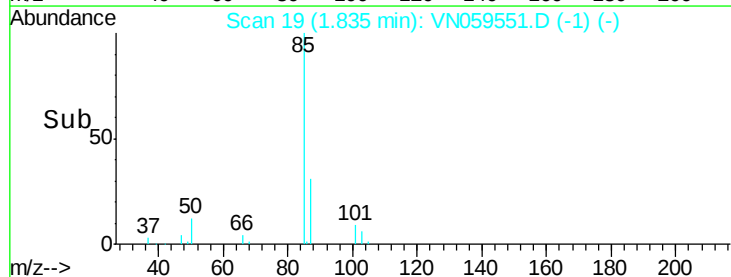
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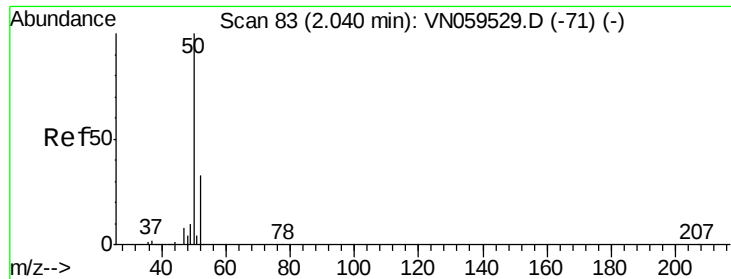
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 21.323 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 50 Resp: 93511

Ion Ratio Lower Upper

50 100

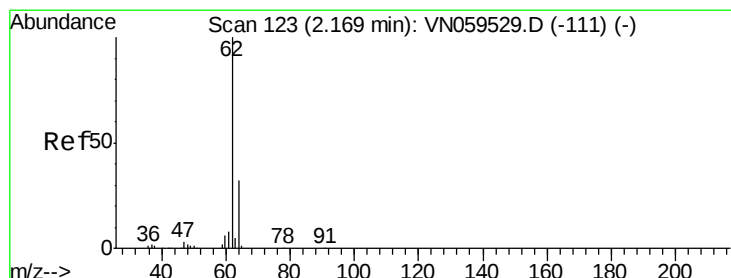
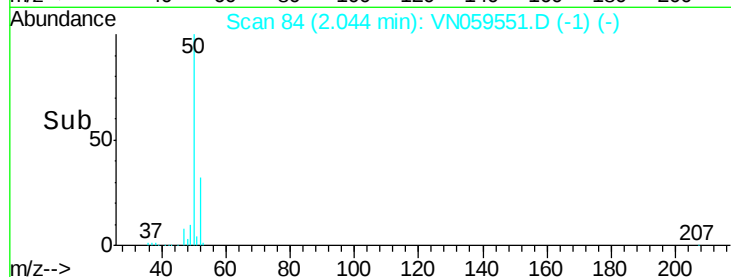
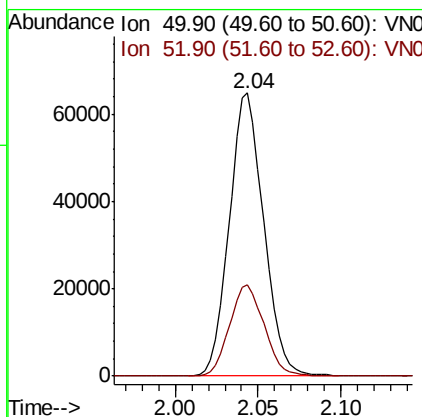
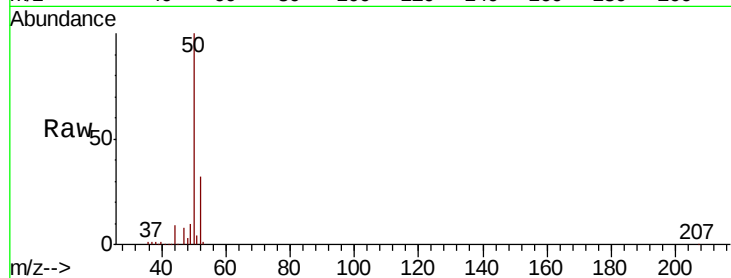
52 32.2 26.2 39.4

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#4

Vinyl Chloride

Concen: 21.448 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059551.D

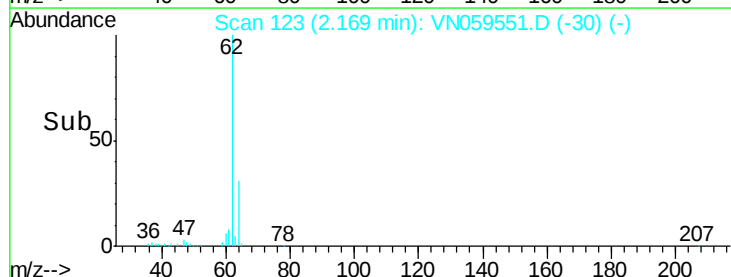
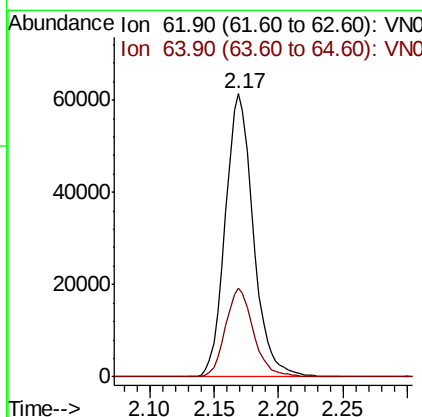
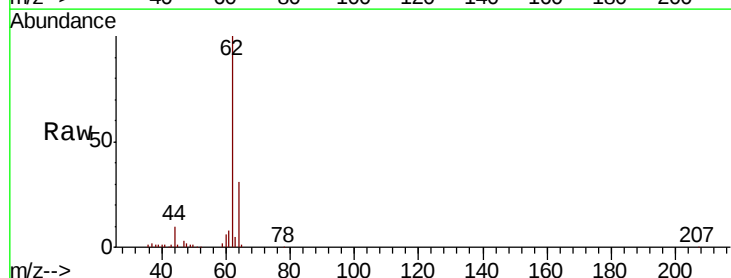
Acq: 10 Dec 2019 16:38

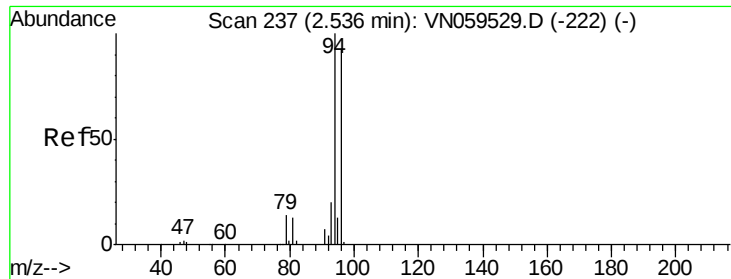
Tgt Ion: 62 Resp: 92709

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





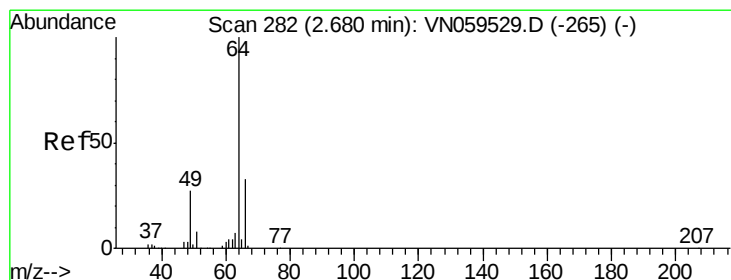
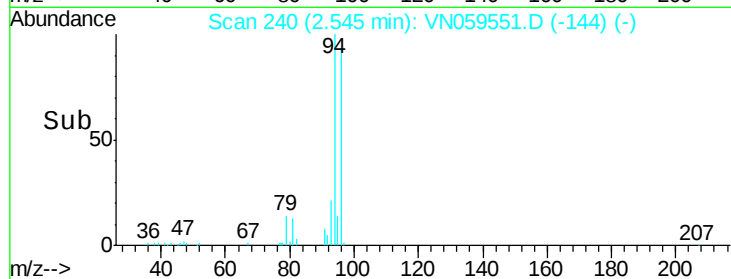
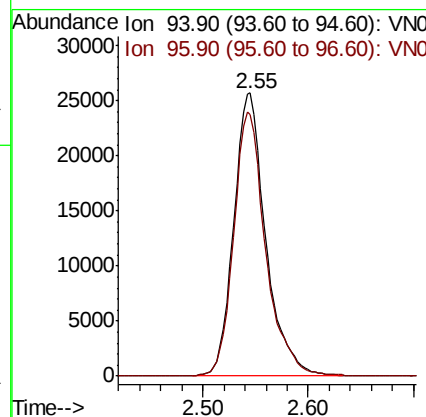
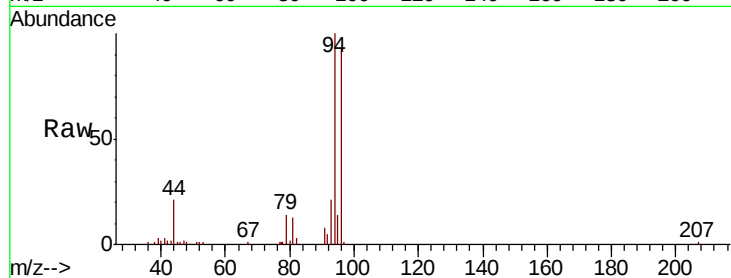
#5
Bromomethane
Concen: 20.478 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion: 94 Resp: 53915
Ion Ratio Lower Upper
94 100
96 92.7 74.6 112.0

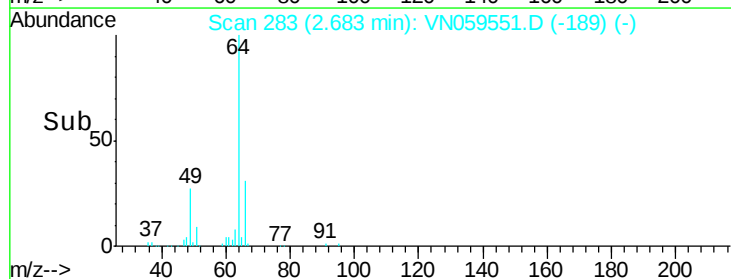
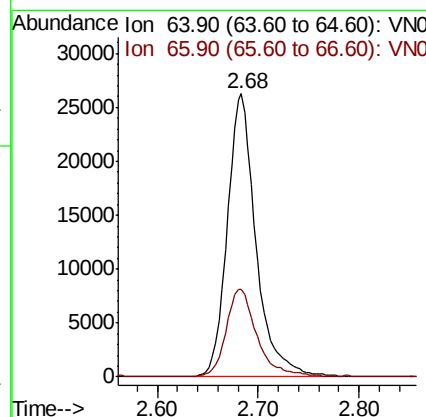
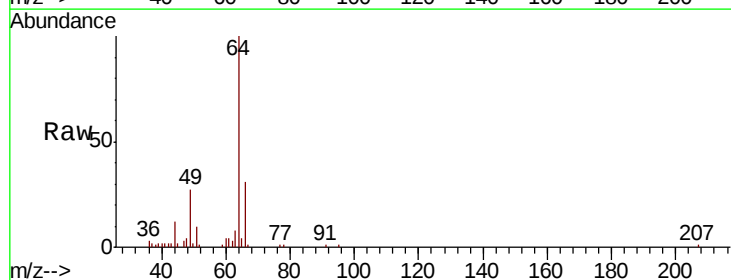
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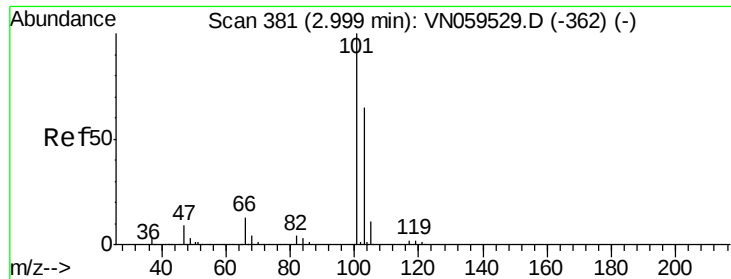
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#6
Chloroethane
Concen: 20.197 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion: 64 Resp: 52131
Ion Ratio Lower Upper
64 100
66 31.0 26.7 40.1





#7

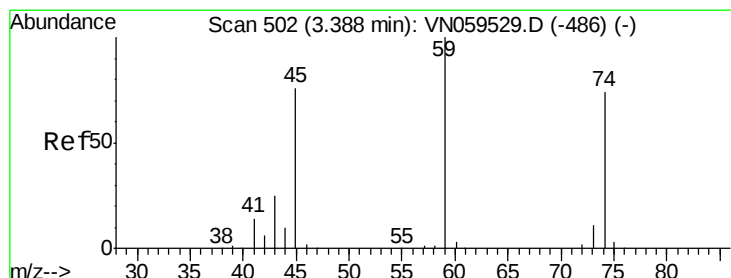
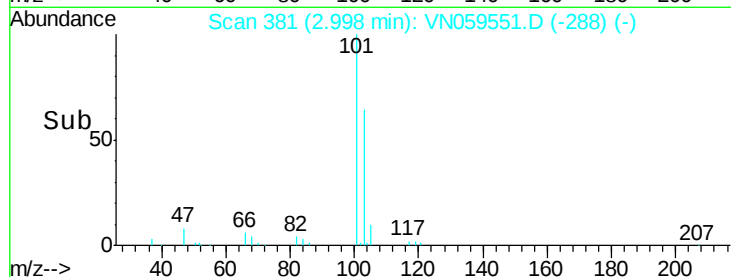
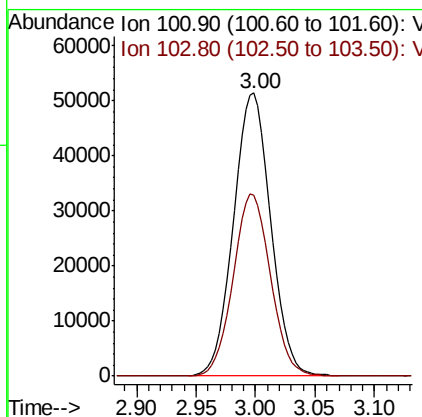
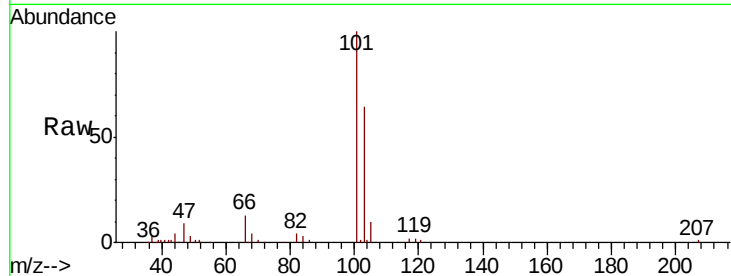
Trichlorofluoromethane
Concen: 21.614 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.4

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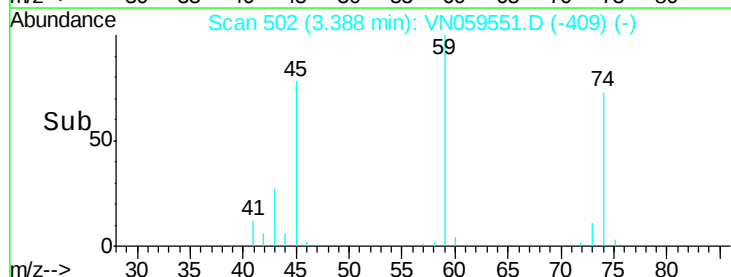
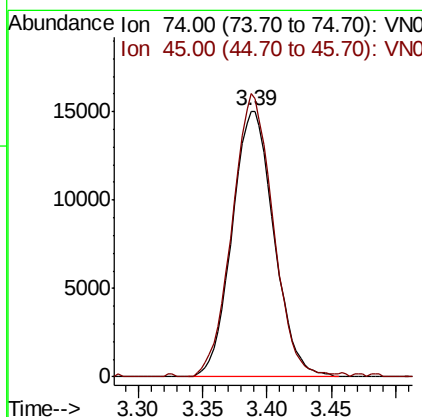
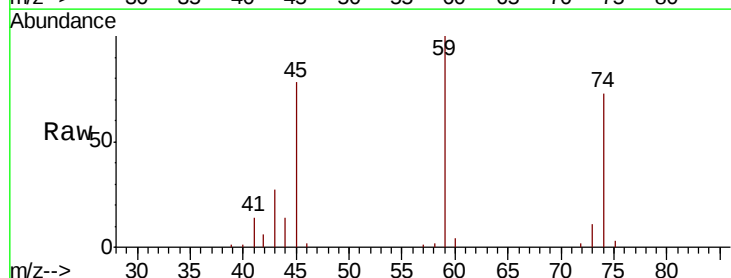
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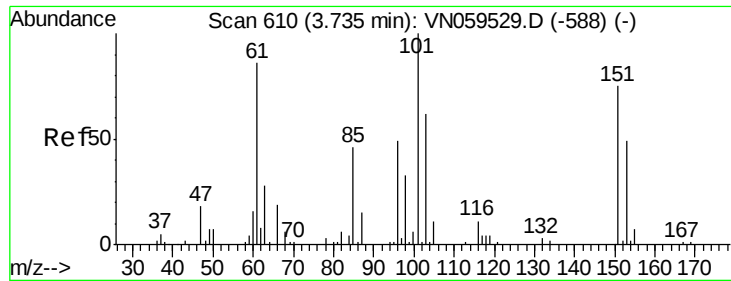


#8

Diethyl Ether
Concen: 19.173 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.721 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

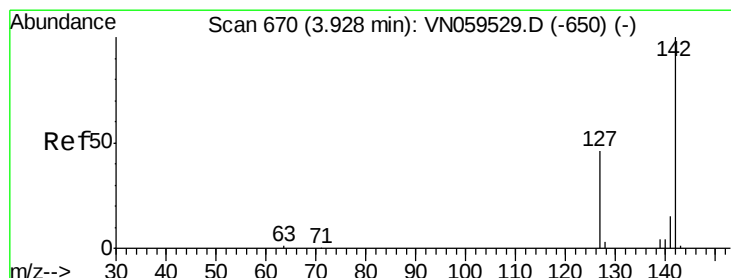
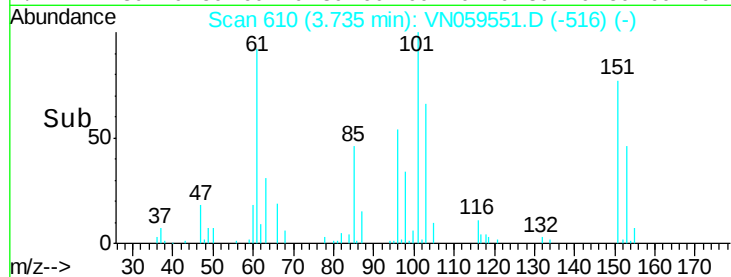
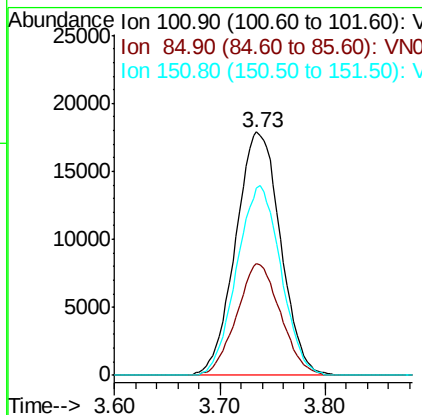
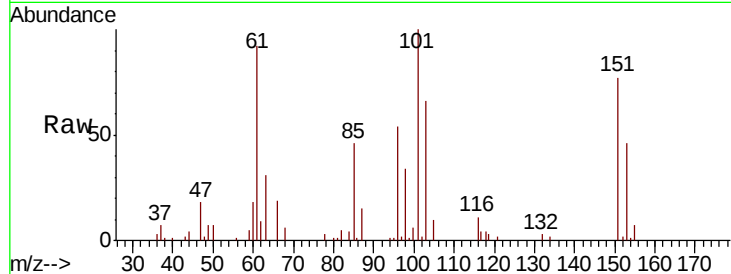
ClientSampleId :

VN1210WBSD01

Tot Ion:	101	Resp:	53034
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	54.8
151	76.4	59.3	88.9

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#10

Methyl Iodide

Concen: 19.396 ug/l

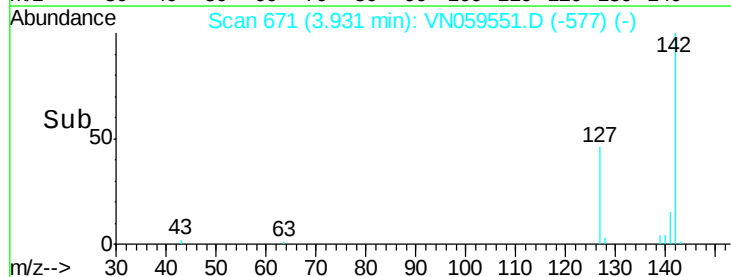
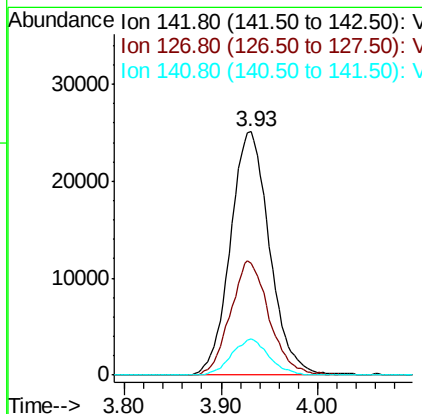
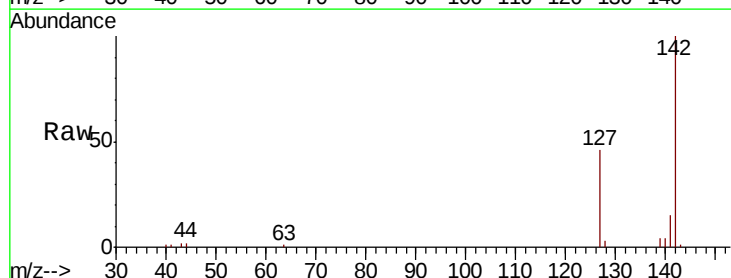
RT: 3.93 min Scan# 671

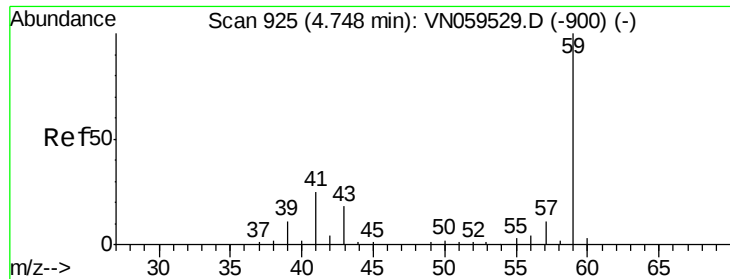
Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion:	142	Resp:	70626
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.6	54.8
141	14.0	11.6	17.4





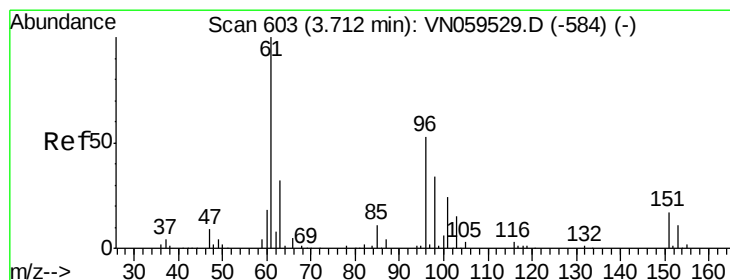
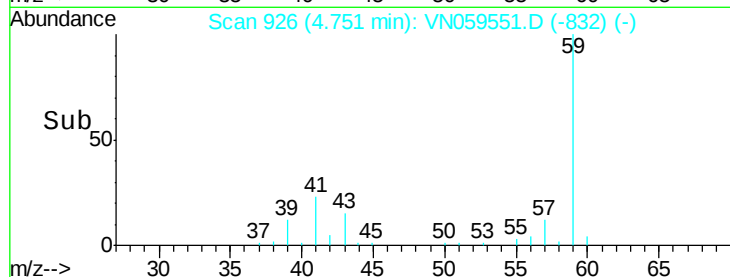
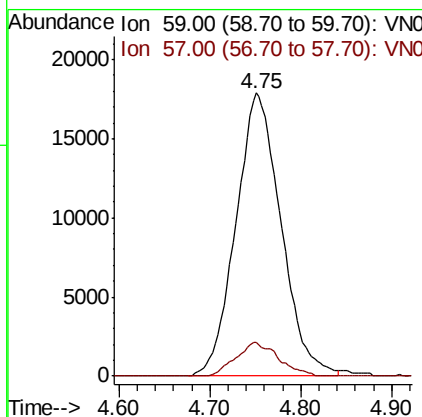
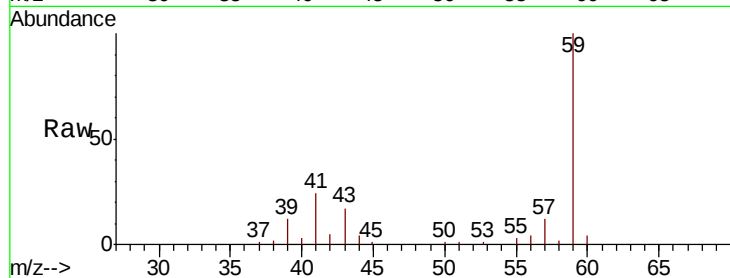
#11
Tert butyl alcohol
Concen: 106.052 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	13.0

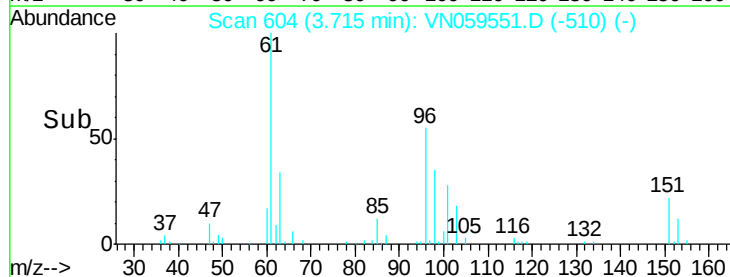
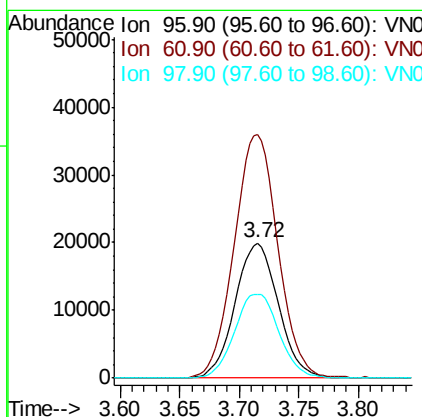
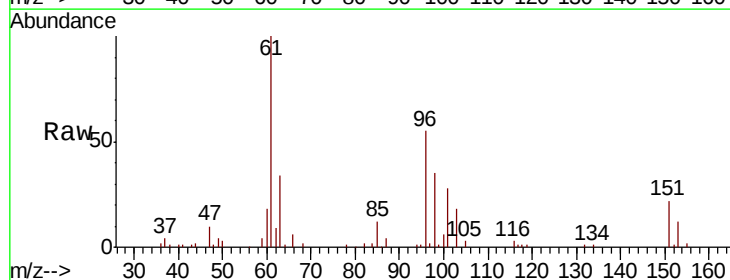
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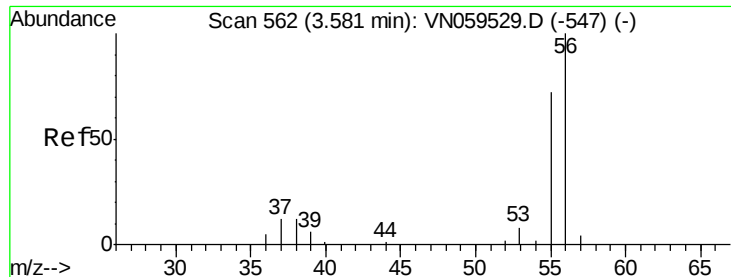
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#12
1,1-Dichloroethene
Concen: 19.188 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.2	149.8	224.6
98	62.3	50.6	75.8





#13

Acrolein

Concen: 151.768 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 56 Resp: 42892

Ion Ratio Lower Upper

56 100

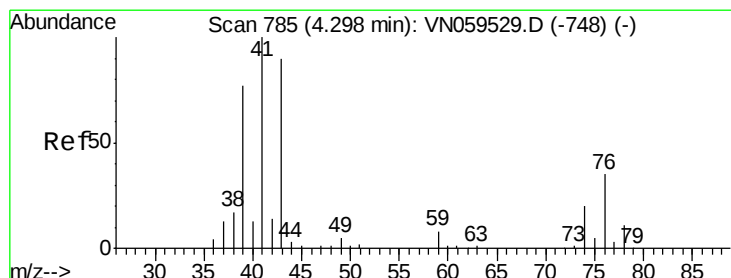
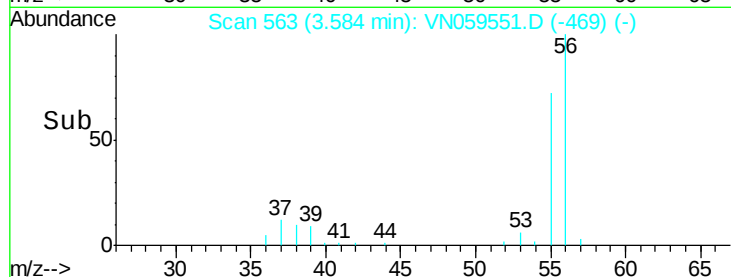
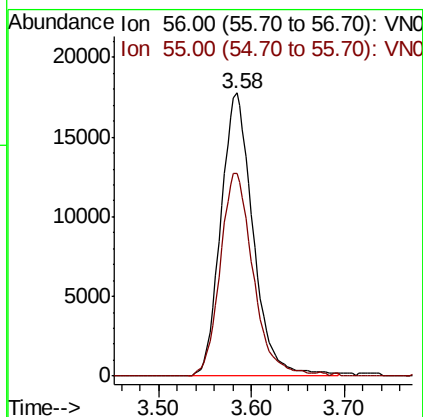
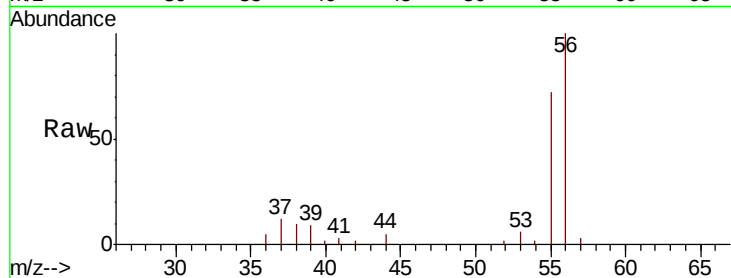
55 73.2 56.9 85.3

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#14

Allyl chloride

Concen: 20.133 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

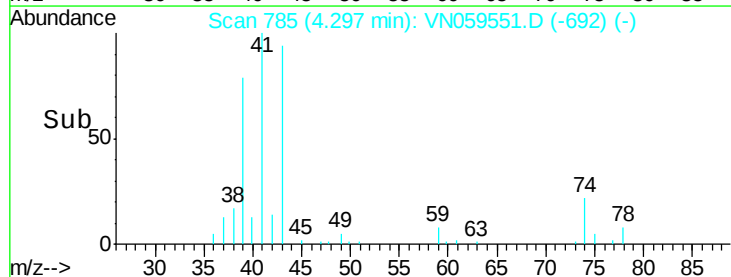
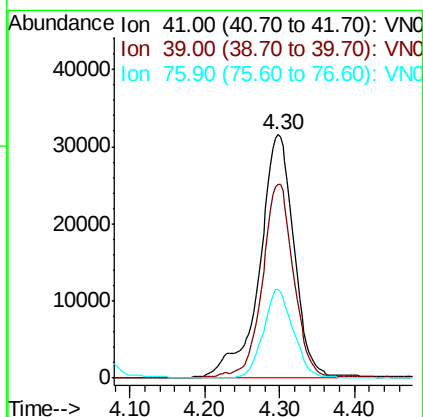
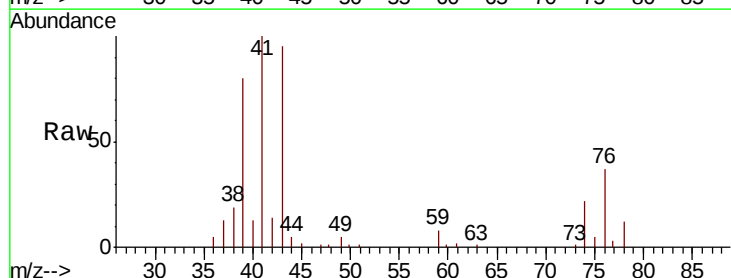
Tgt Ion: 41 Resp: 101248

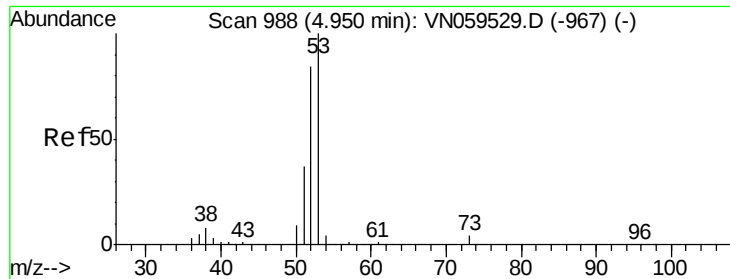
Ion Ratio Lower Upper

41 100

39 72.5 56.7 85.1

76 31.4 25.5 38.3





#15

Acrylonitrile

Concen: 103.641 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

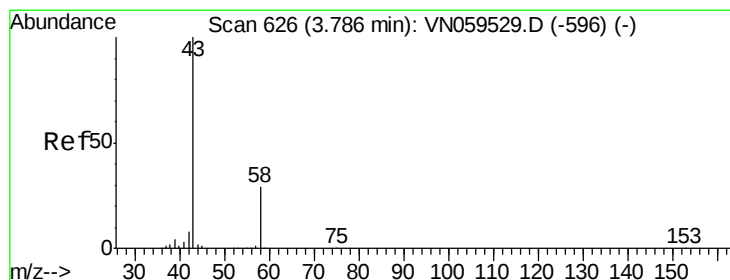
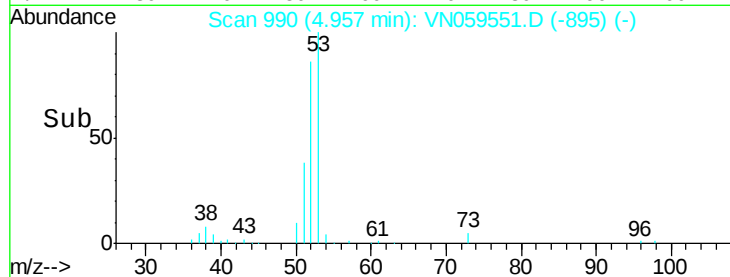
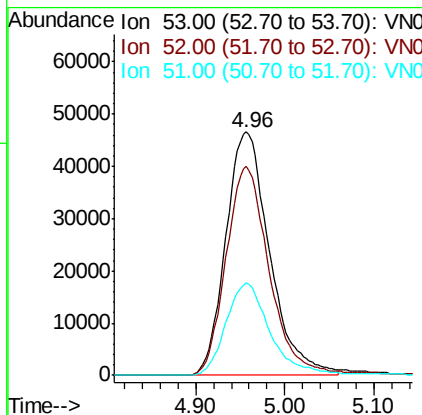
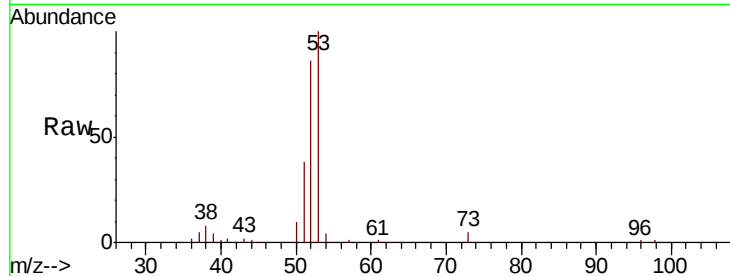
ClientSampleId :

VN1210WBSD01

Tot Ion:	53	Resp:	158751
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.6	99.8
51	38.3	29.8	44.8

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#16

Acetone

Concen: 91.026 ug/l

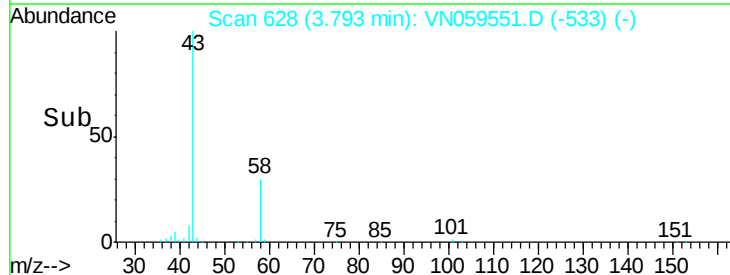
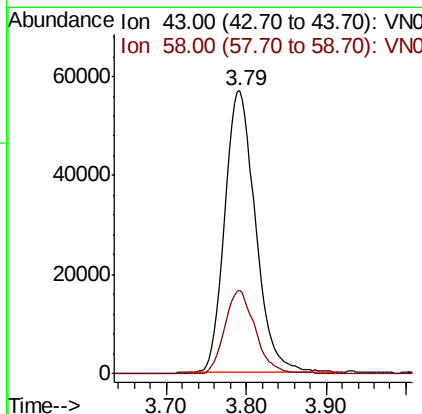
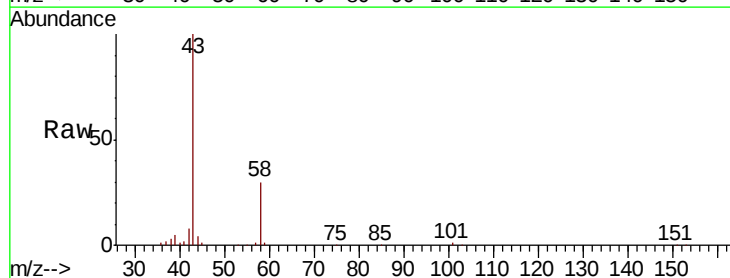
RT: 3.79 min Scan# 628

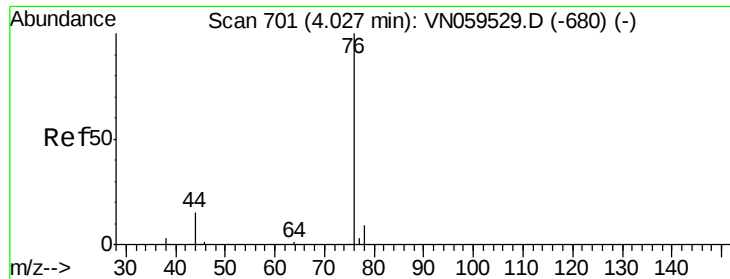
Delta R.T. 0.01 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion:	43	Resp:	149272
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.0	34.4





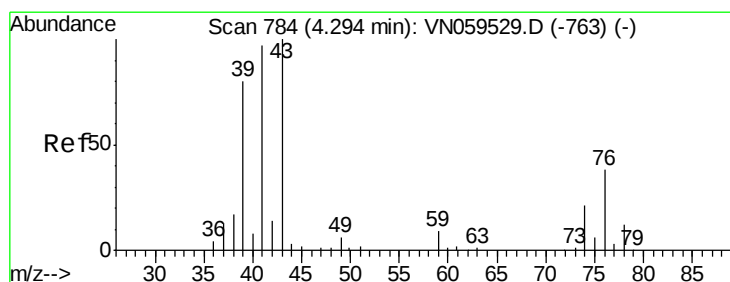
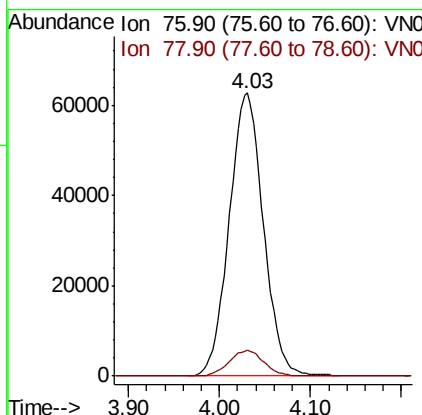
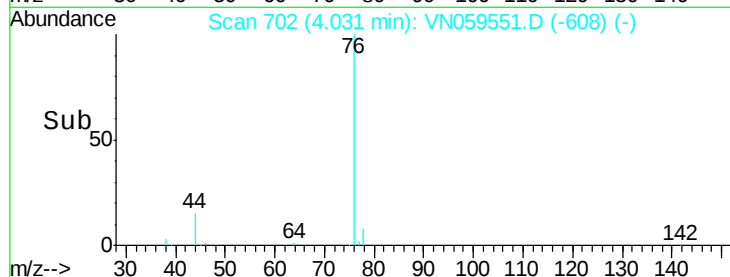
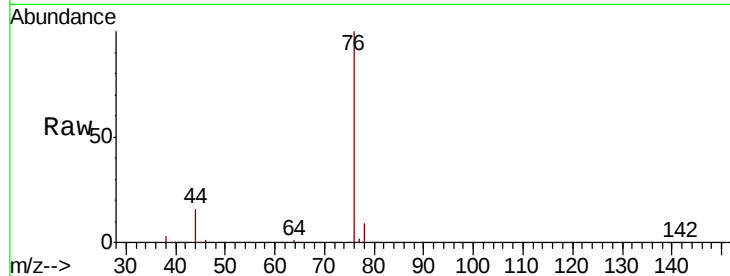
#17
Carbon Disulfide
Concen: 19.411 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1210WBSD01

Tot Ion: 76 Resp: 163561
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

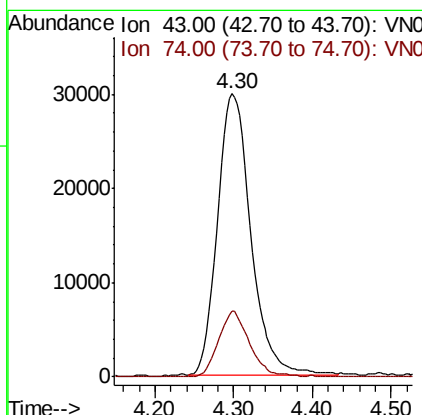
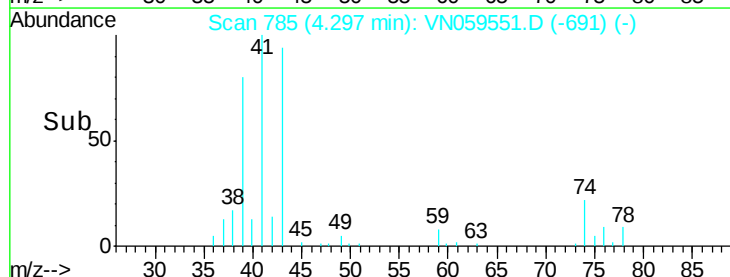
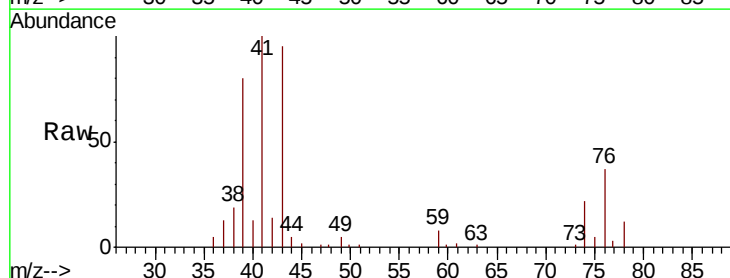
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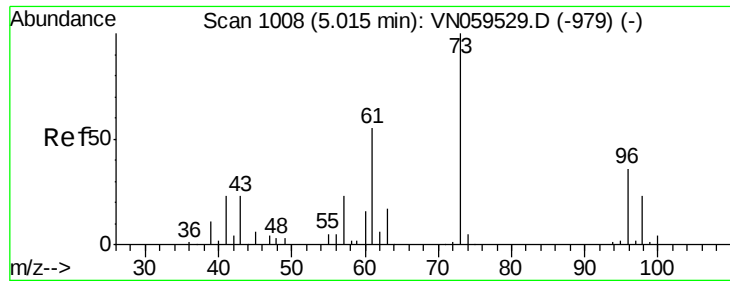
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#18
Methyl Acetate
Concen: 20.201 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion: 43 Resp: 86974
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3





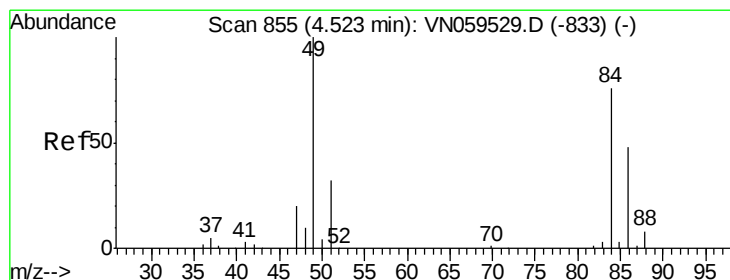
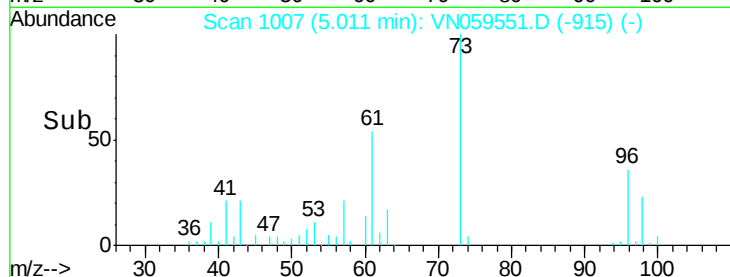
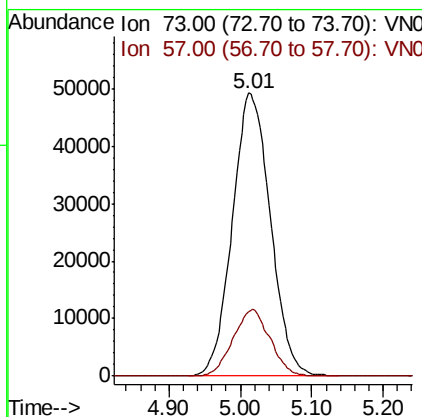
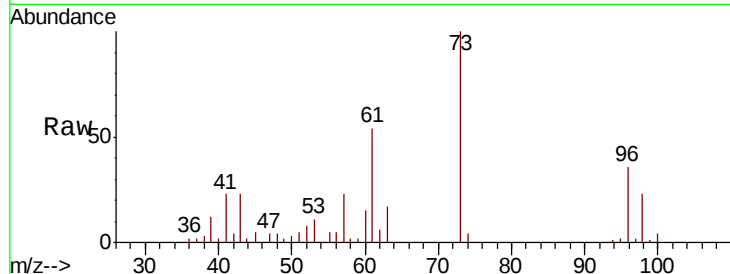
#19
Methvl tert-butvl Ether
Concen: 21.025 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion: 73 Resp: 182706
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

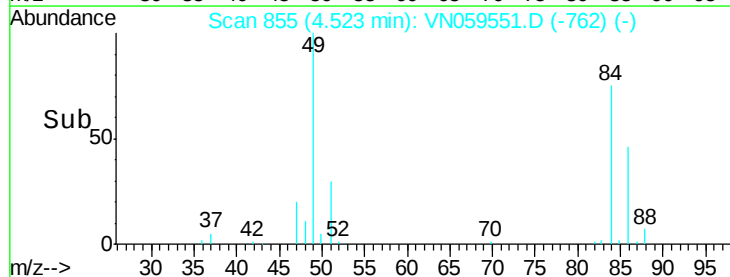
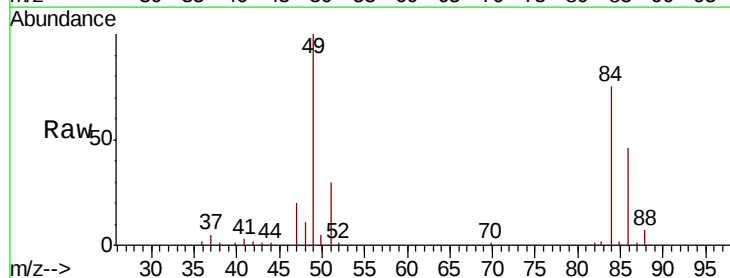
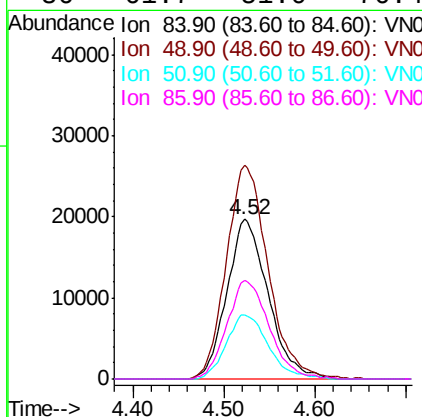
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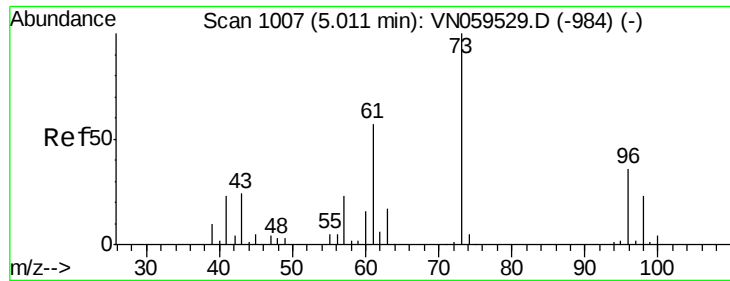
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#20
Methylene Chloride
Concen: 20.846 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion: 84 Resp: 62075
Ion Ratio Lower Upper
84 100
49 133.8 105.8 158.8
51 40.1 33.7 50.5
86 61.7 51.0 76.4





#21

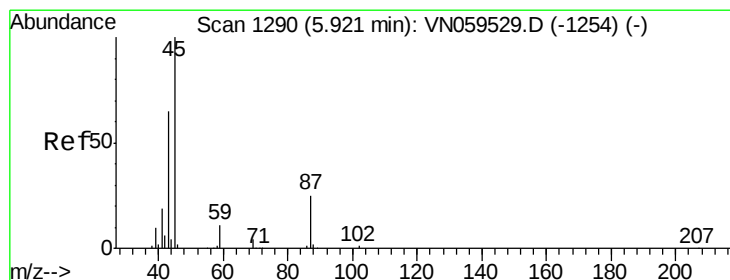
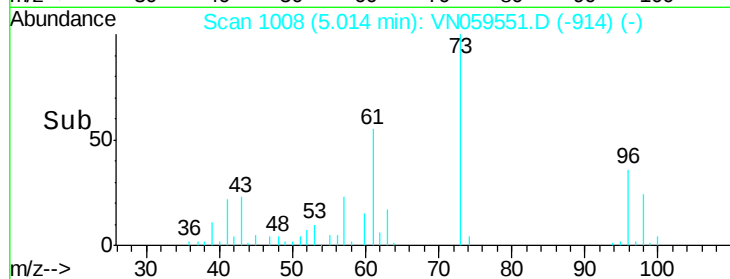
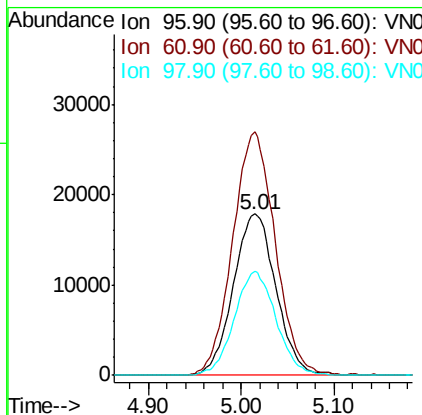
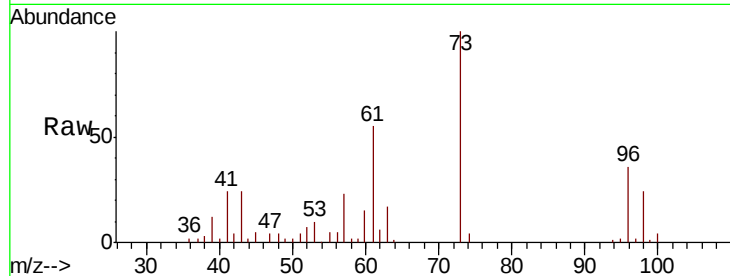
trans-1,2-Dichloroethene
Concen: 20.334 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	124.8	187.2
98	64.7	51.0	76.4

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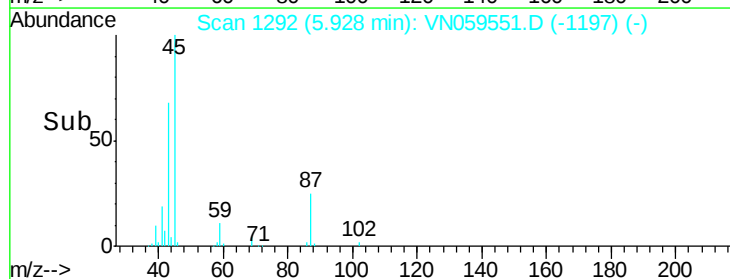
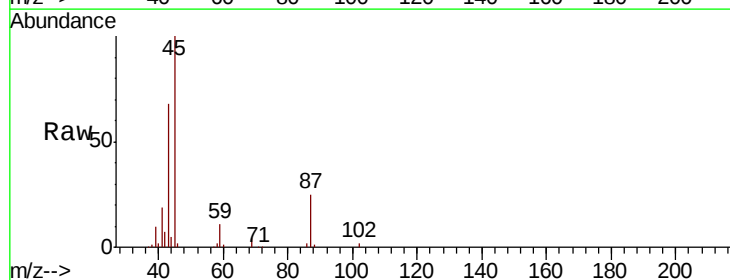
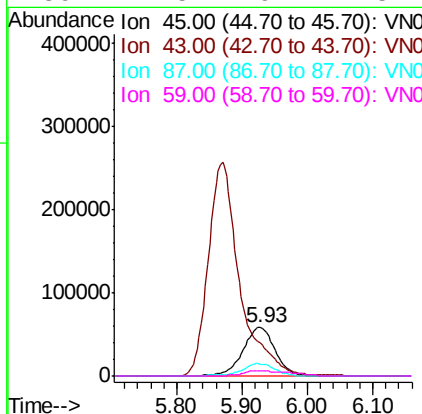
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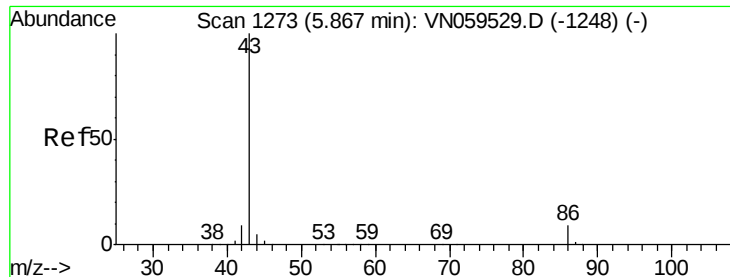


#22

Diisopropyl ether
Concen: 20.905 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.4	52.8	79.2
87	24.8	20.2	30.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 107.727 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 43 Resp: 860314

Ion Ratio Lower Upper

43 100

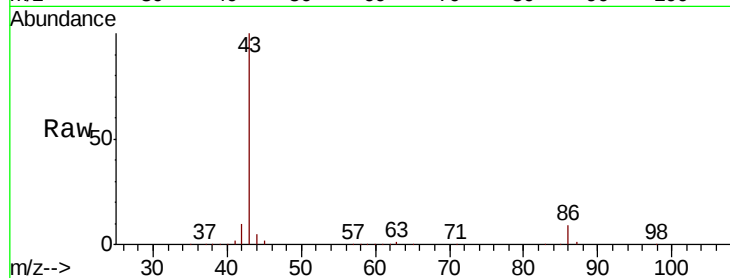
86 9.2 7.4 11.2

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Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1248) (-)

Ion 86.00 (85.70 to 86.70): VN059529.D (-1248) (-)

5.87

250000

200000

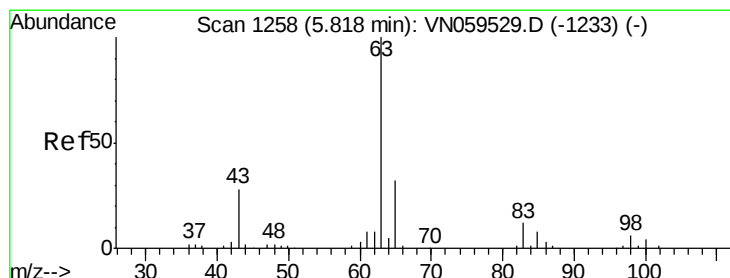
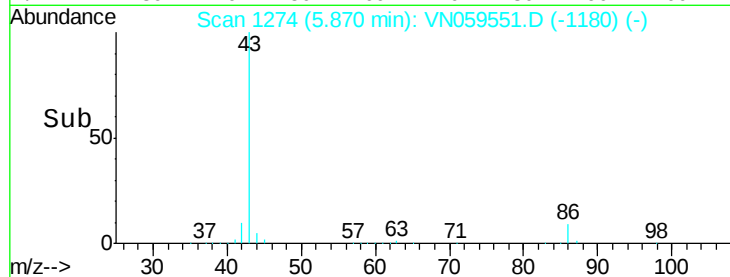
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.845 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

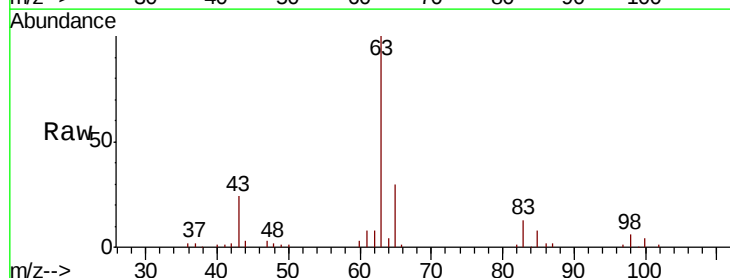
Tgt Ion: 63 Resp: 113303

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN059529.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059529.D (-1233) (-)

5.82

40000

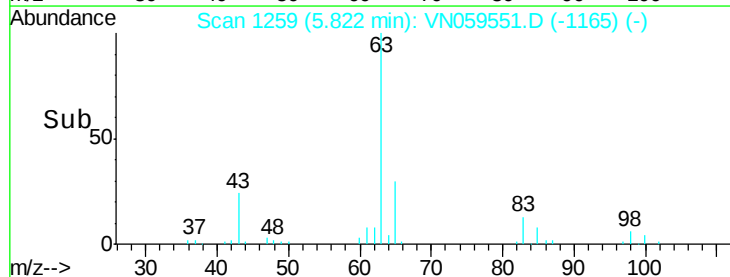
30000

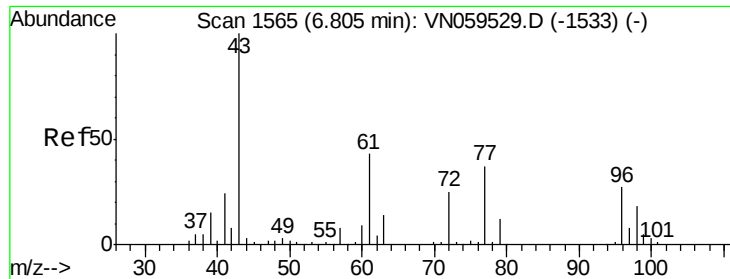
20000

10000

0

Time-->





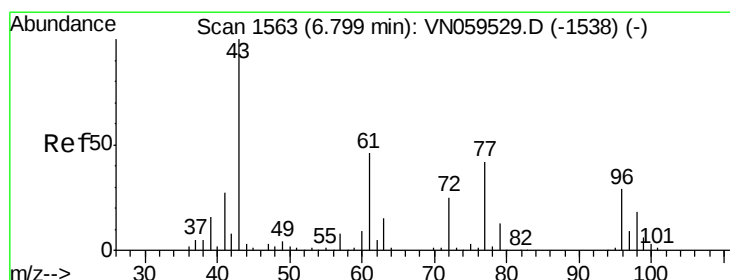
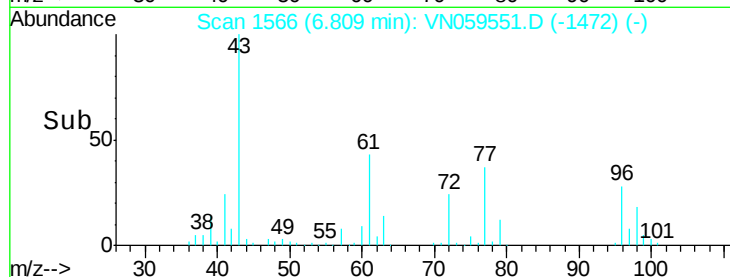
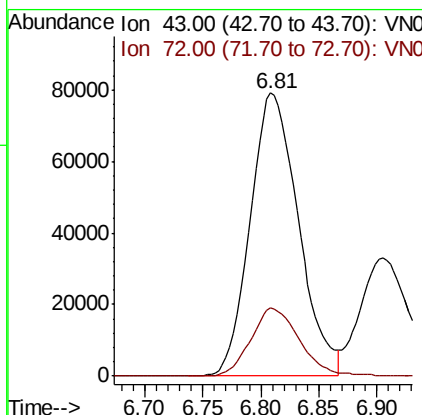
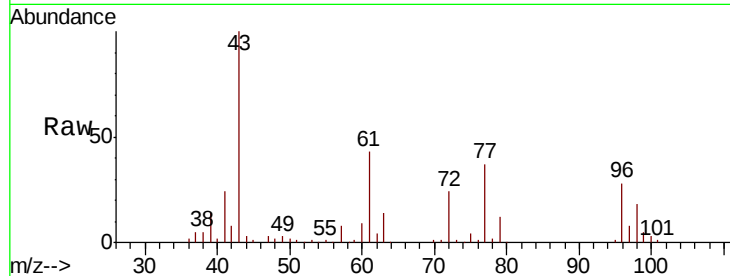
#25
2-Butanone
Concen: 103.800 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion: 43 Resp: 229123
Ion Ratio Lower Upper
43 100
72 24.0 19.9 29.9

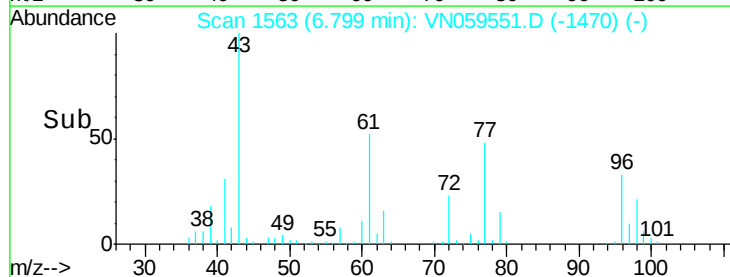
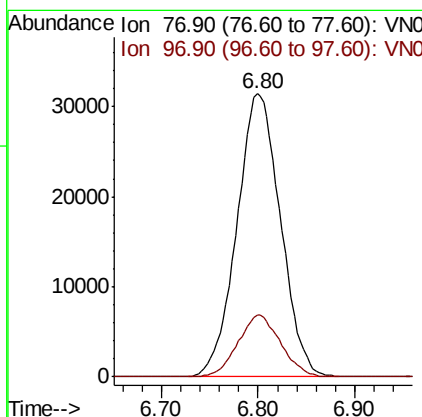
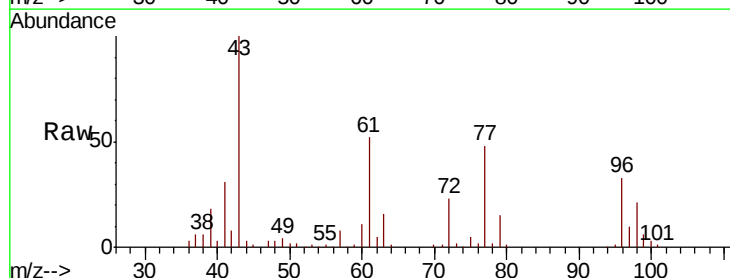
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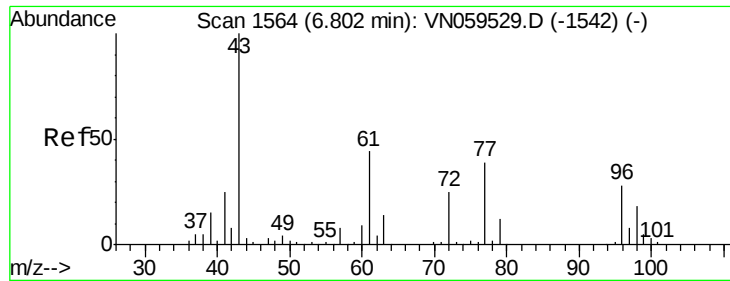
apatel
12/11/2019 2:16:00 PM



#26
2,2-Dichloropropane
Concen: 20.034 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion: 77 Resp: 98378
Ion Ratio Lower Upper
77 100
97 21.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.715 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

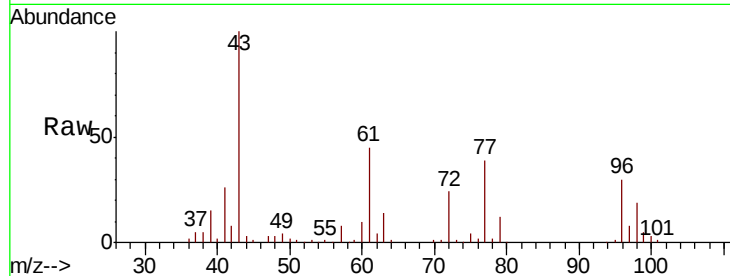
ClientSampleId :

VN1210WBSD01

Tot Ion:	96	Resp:	65377
Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	320.0
98	64.0	0.0	128.6

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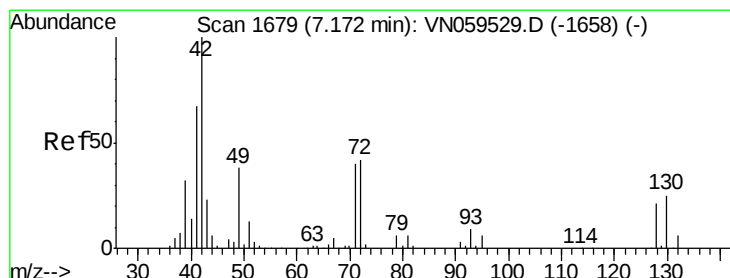
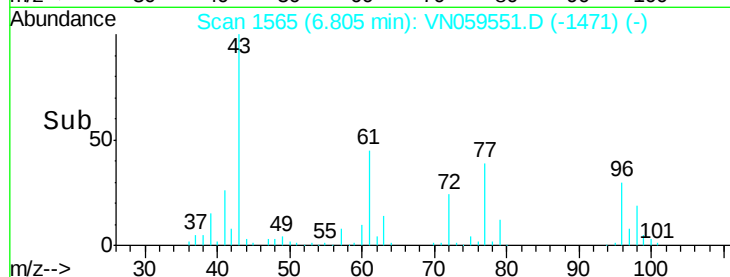


Abundance Ion 95.90 (95.60 to 96.60): VN059529.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059529.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1542) (-)

Time-->



#28

Bromochloromethane

Concen: 24.094 ug/l

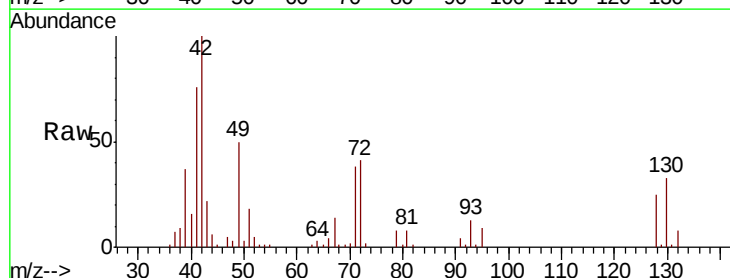
RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion:	49	Resp:	46440
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	67.0	54.2	81.2

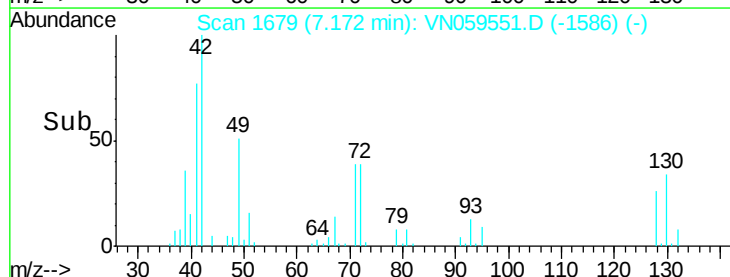


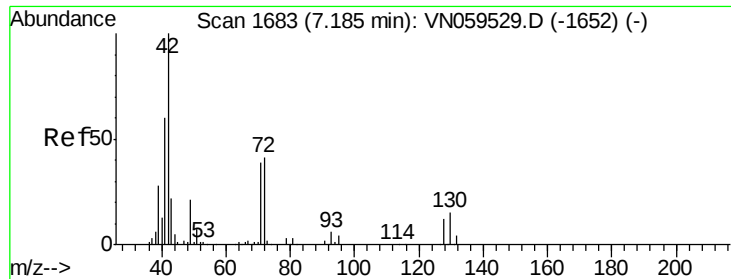
Abundance Ion 48.90 (48.60 to 49.60): VN059529.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN059529.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN059529.D (-1658) (-)

Time-->





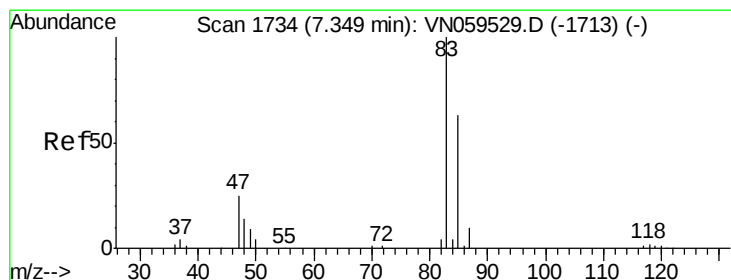
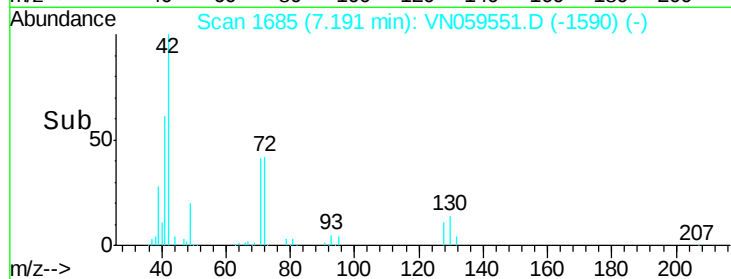
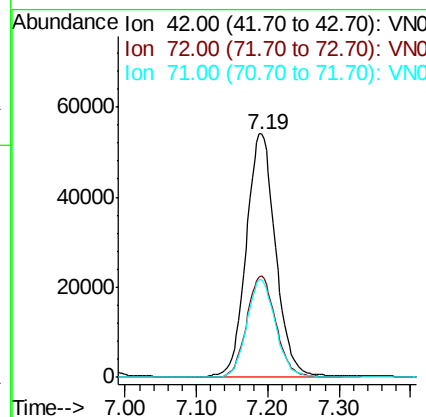
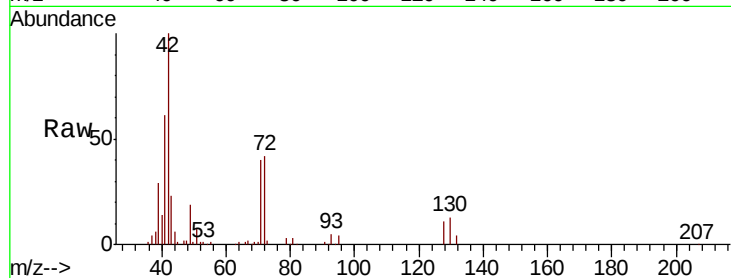
#29
Tetrahydrofuran
Concen: 101.265 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.7	49.1
71	38.9	31.4	47.2

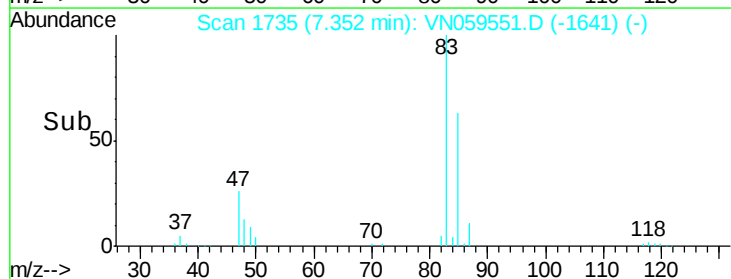
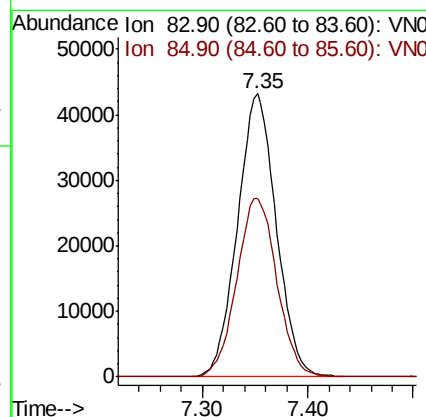
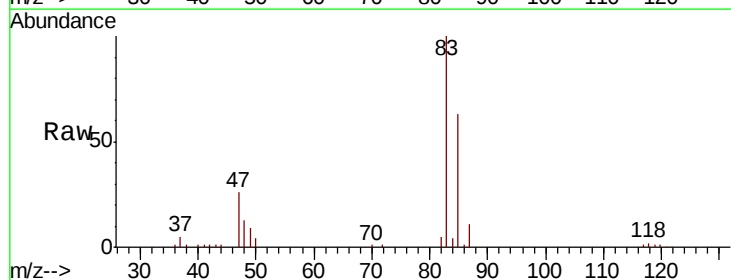
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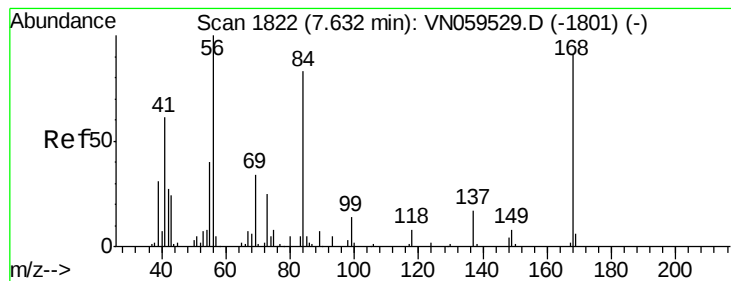
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#30
Chloroform
Concen: 20.530 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	75.8





#31

Cyclohexane

Concen: 19.476 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

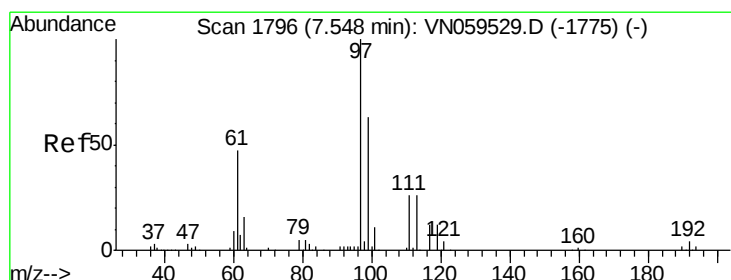
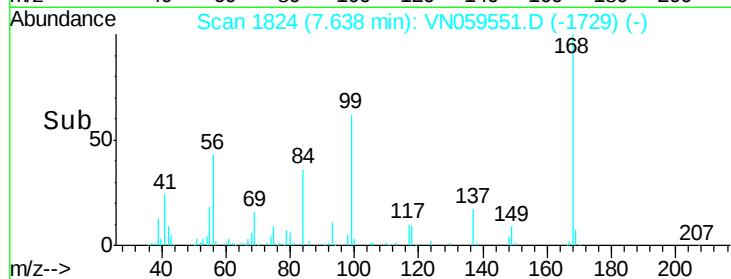
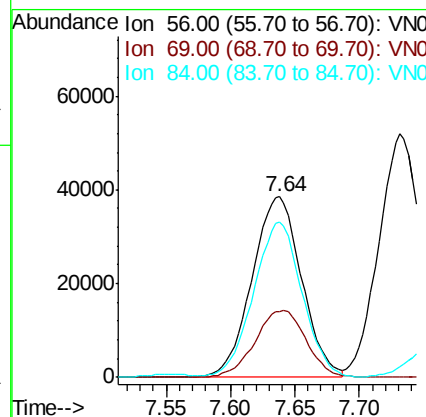
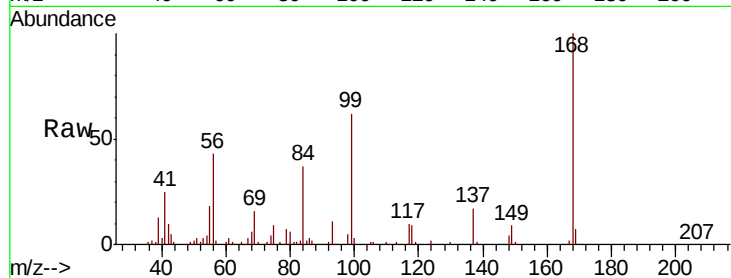
ClientSampleId :

VN1210WBSD01

Tot Ion	56	Resp	103024
Ion Ratio	Lower	Upper	
56	100		
69	36.6	26.9	40.3
84	85.2	66.5	99.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.910 ug/l

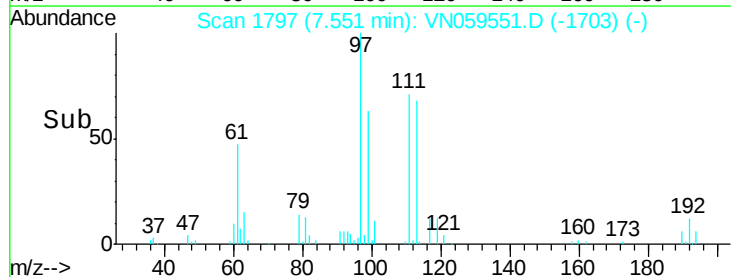
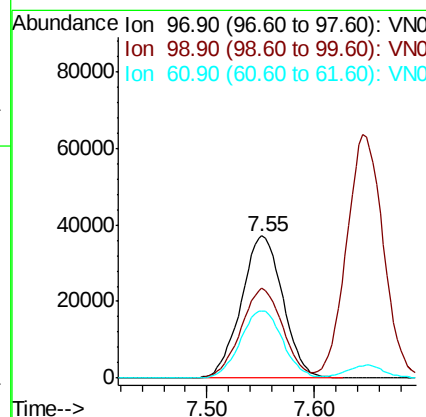
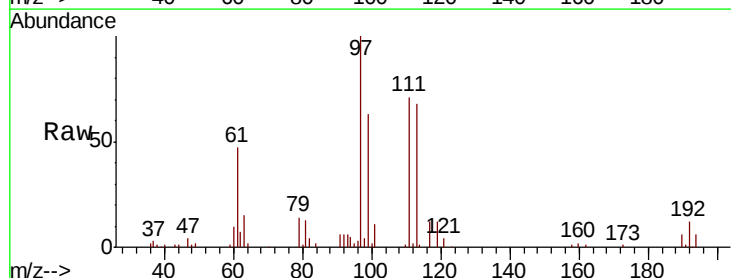
RT: 7.55 min Scan# 1797

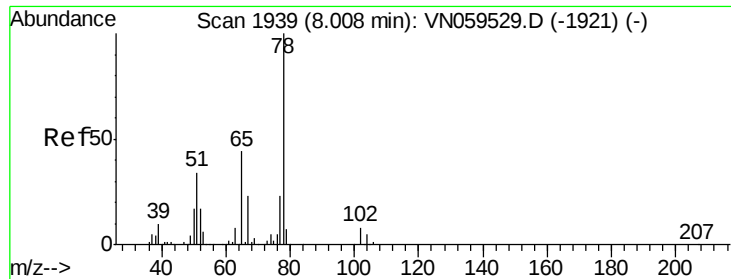
Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion	97	Resp	99512
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.4	77.2
61	48.4	38.5	57.7





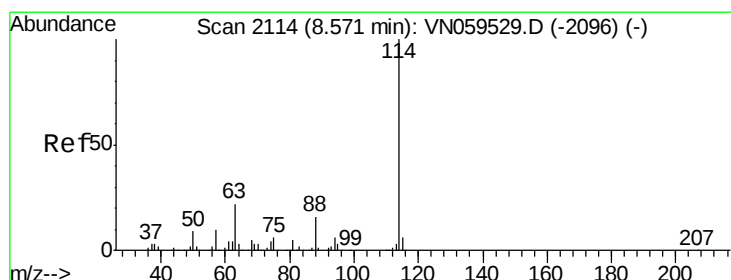
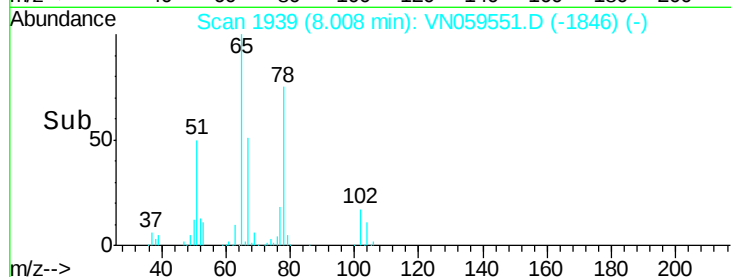
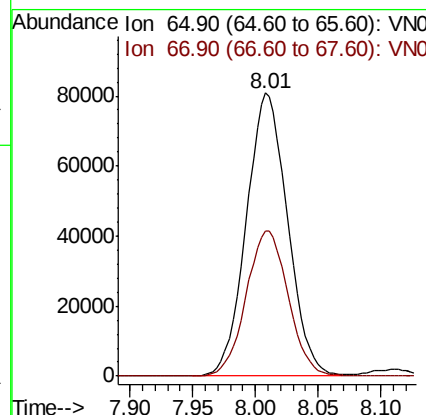
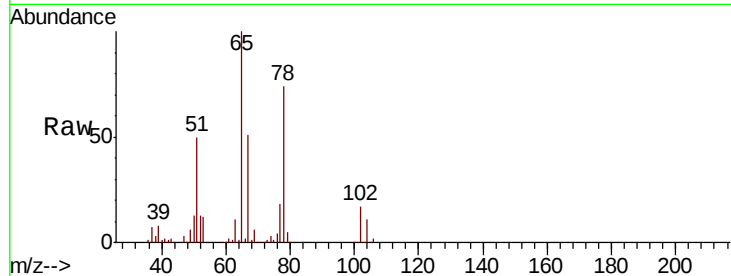
#33
 1,2-Dichloroethane-d4
 Concen: 52.698 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184996		
67	52.2	0.0	103.6	

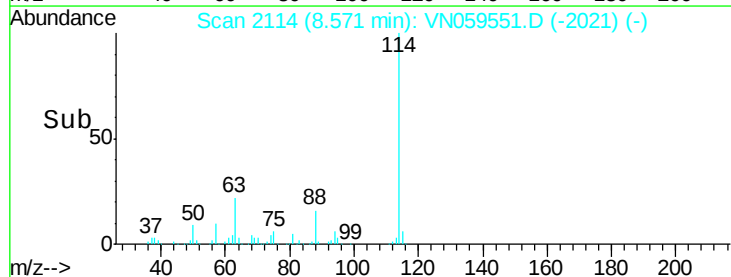
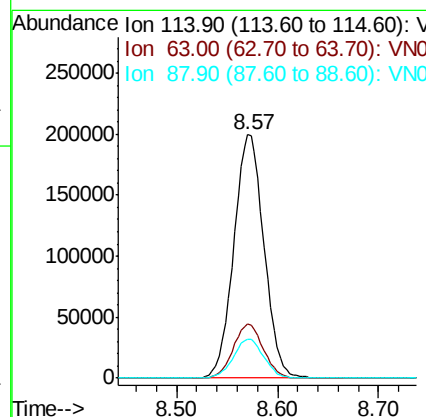
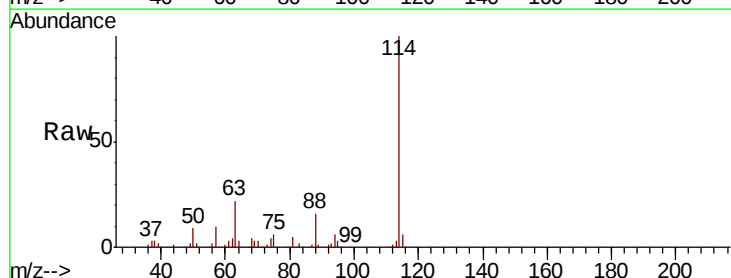
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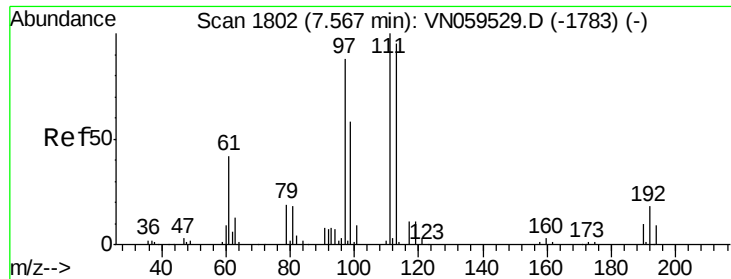
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414884		
63	22.2	0.0	45.0	
88	16.1	0.0	32.2	





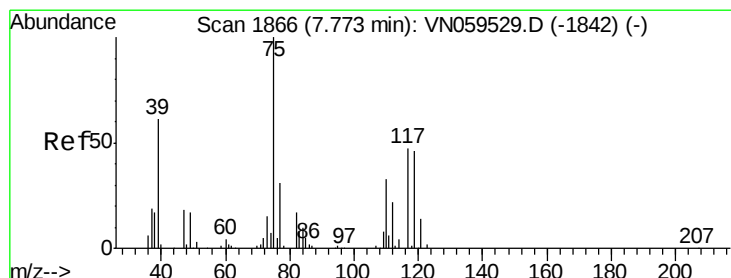
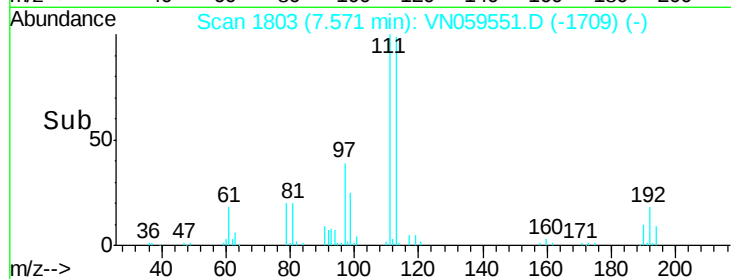
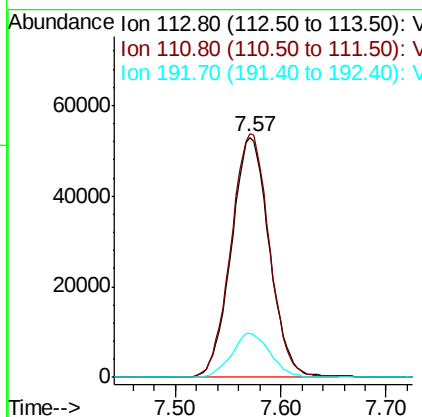
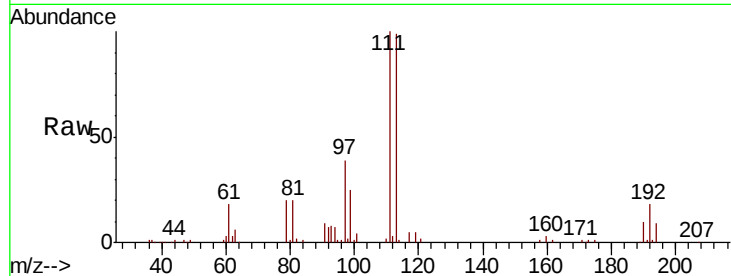
#35
Dibromofluoromethane
Concen: 53.444 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampled :
VN1210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.2	123.4	
192	18.6	14.8	22.2	

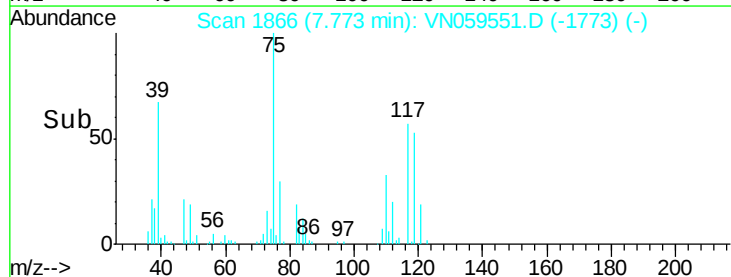
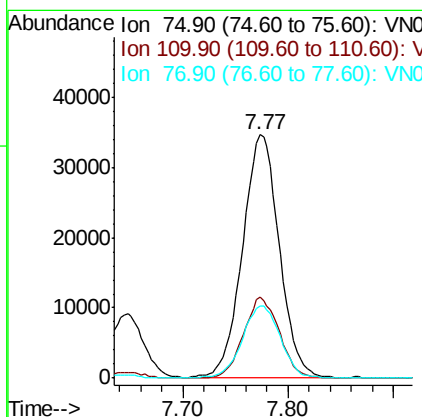
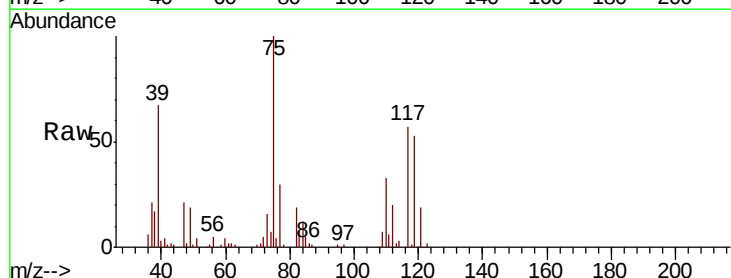
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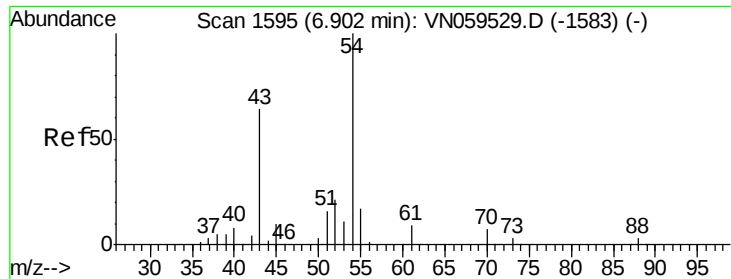
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#36
1,1-Dichloropropene
Concen: 19.812 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.2	16.7	50.0	
77	30.8	24.6	37.0	





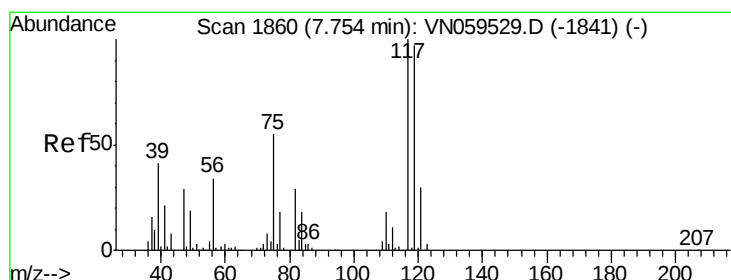
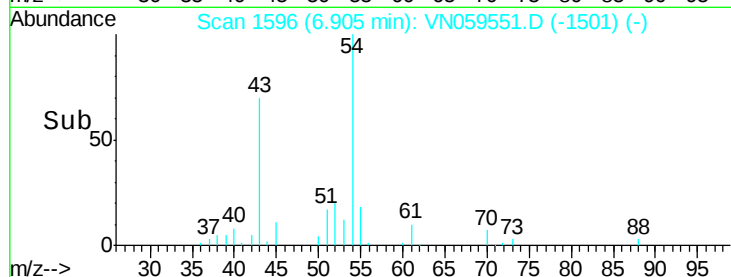
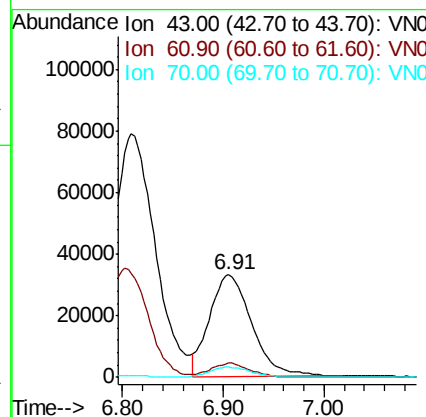
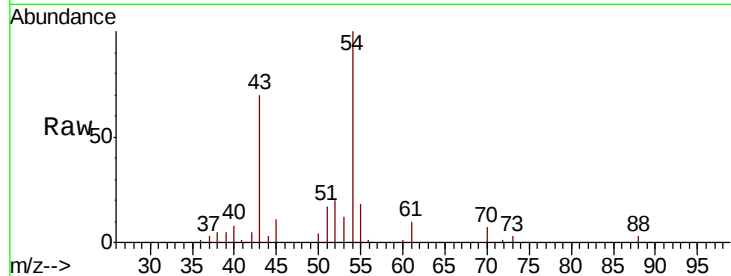
#37
Ethyl Acetate
Concen: 20.276 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	43	61	70
Ratio	100	11.7	10.1
Lower		11.0	7.7
Upper		16.6	11.5

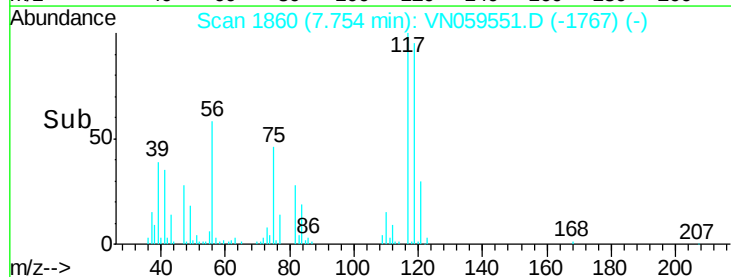
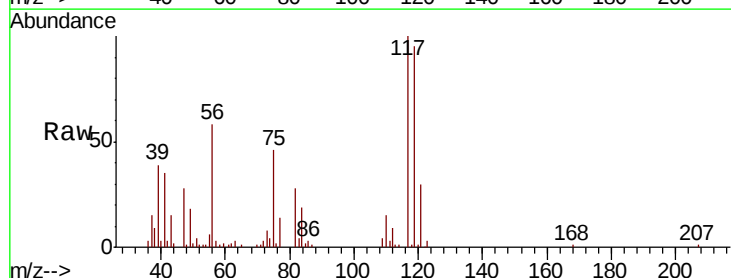
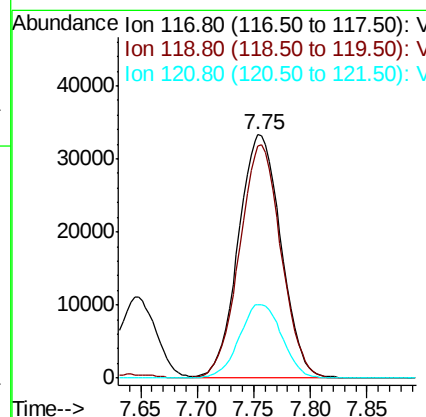
Manual Integrations
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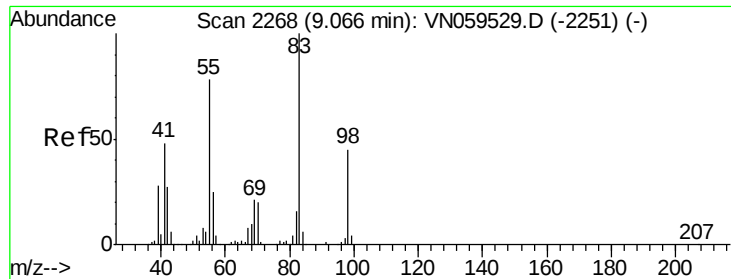
apatel
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#38
Carbon Tetrachloride
Concen: 20.829 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	117	119	121
Ratio	100	95.3	30.4
Lower		77.0	24.1
Upper		115.4	36.1





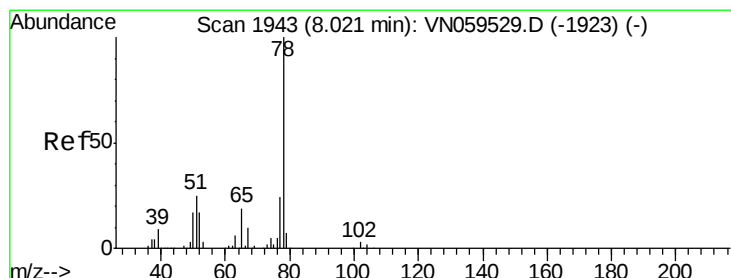
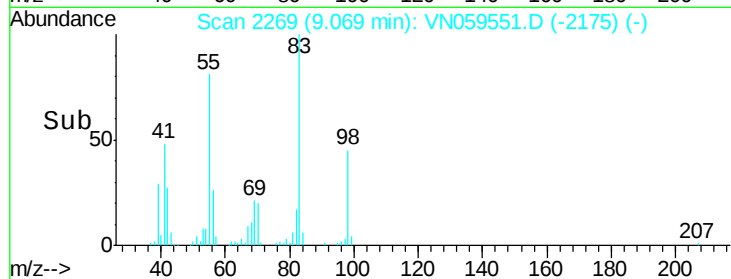
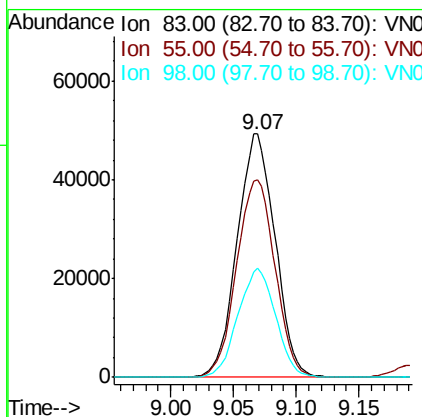
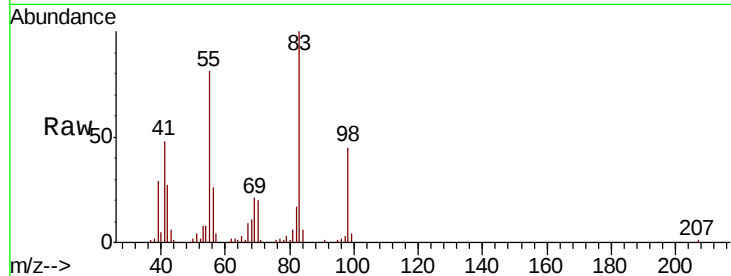
#39
Methvlcvclohexane
Concen: 21.722 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	62.7	94.1
98	44.7	35.7	53.5

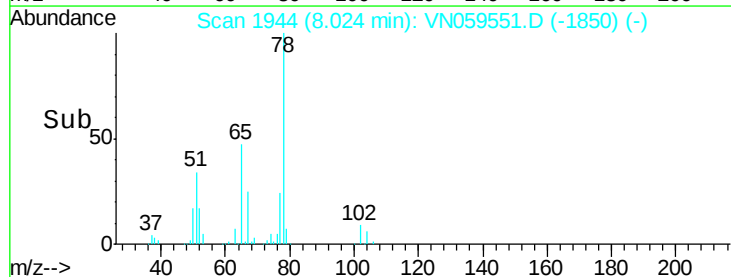
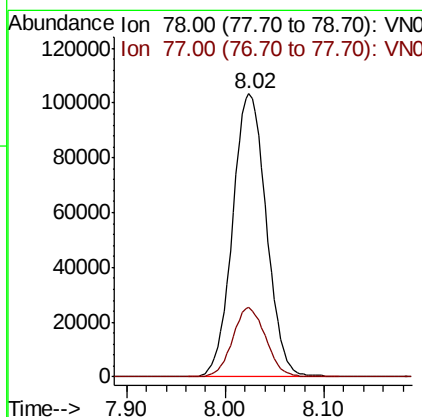
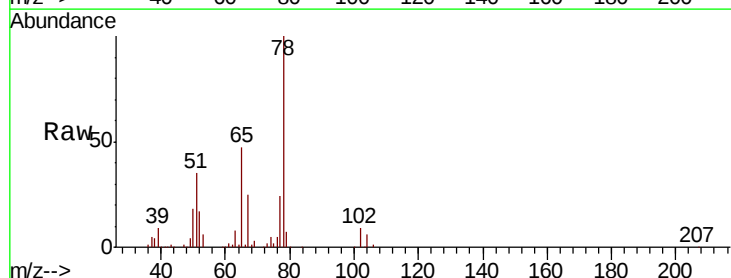
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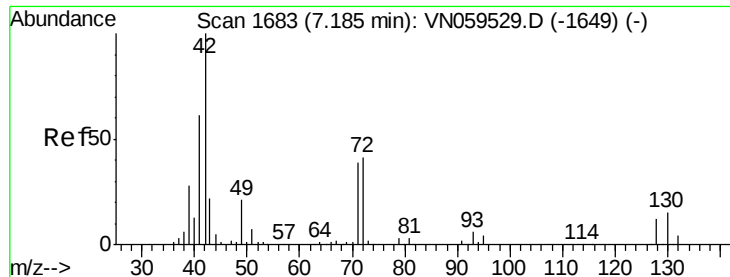
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#40
Benzene
Concen: 20.238 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2





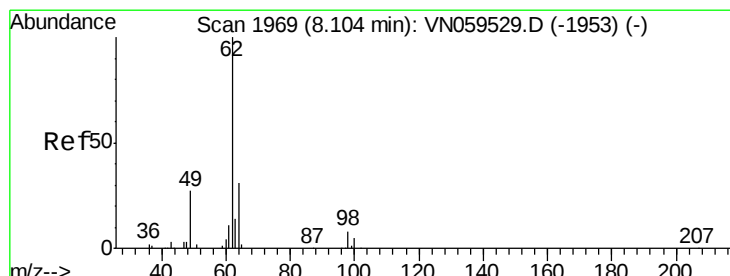
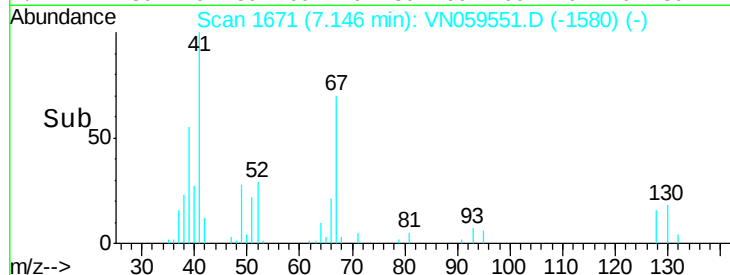
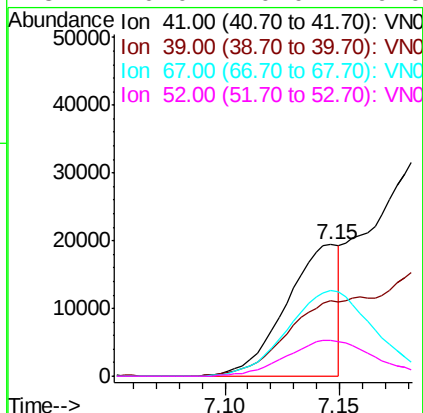
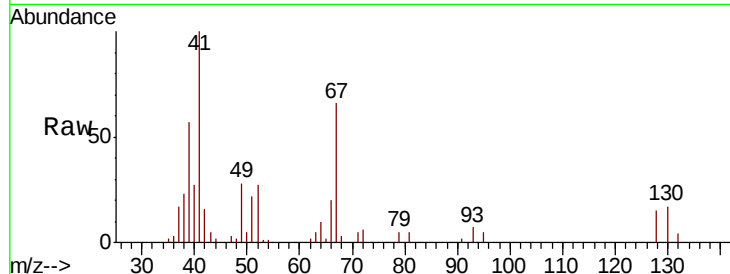
#41
Methacrylonitrile
Concen: 15.168 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	41	Resp	31376
Ion	Ratio	Lower	Upper
41	100		
39	232.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

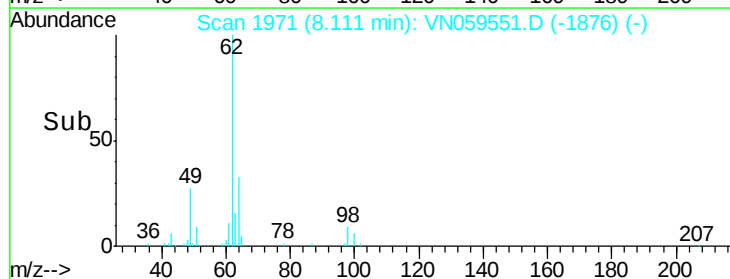
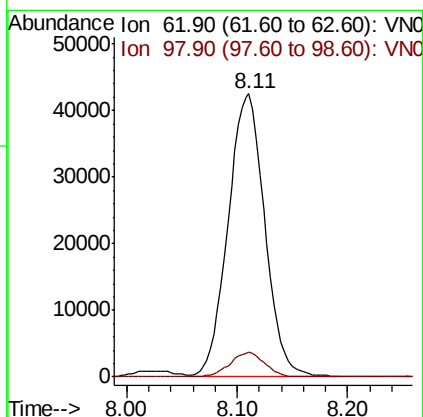
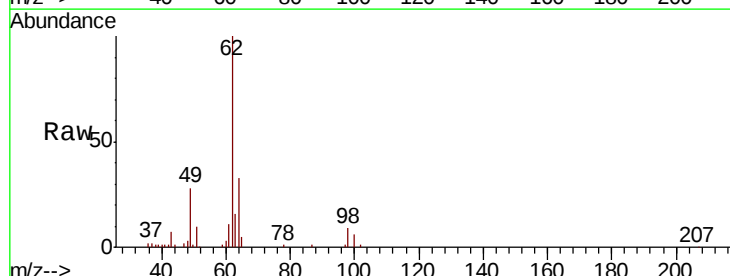
Manual Integrations
APPROVED

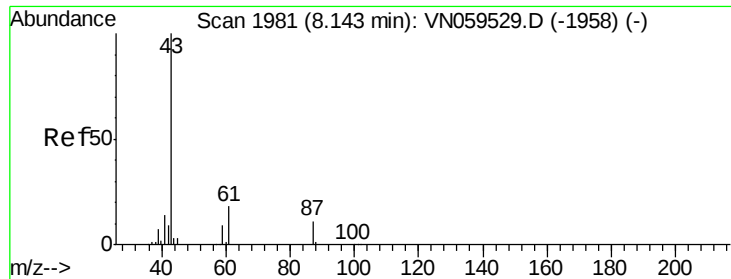
apatel
12/11/2019 2:16:00 PM



#42
1,2-Dichloroethane
Concen: 21.648 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	62	Resp	98076
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.4





#43

Isopropyl Acetate

Concen: 20.591 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

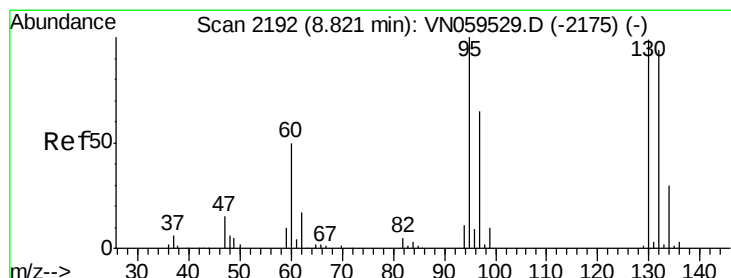
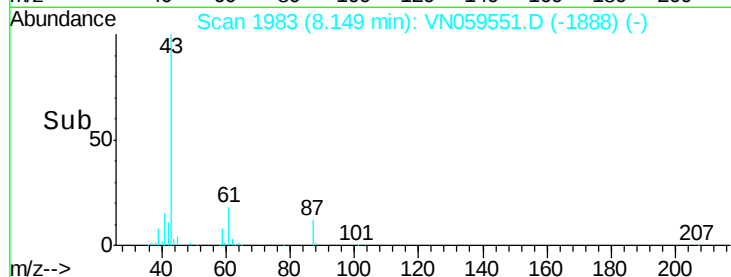
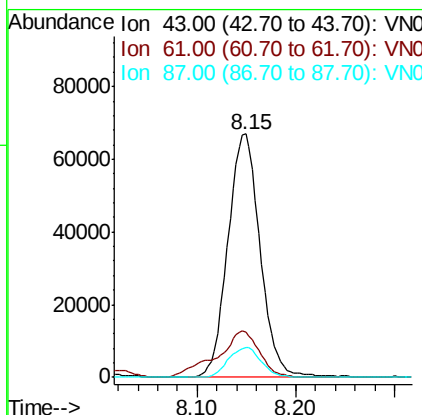
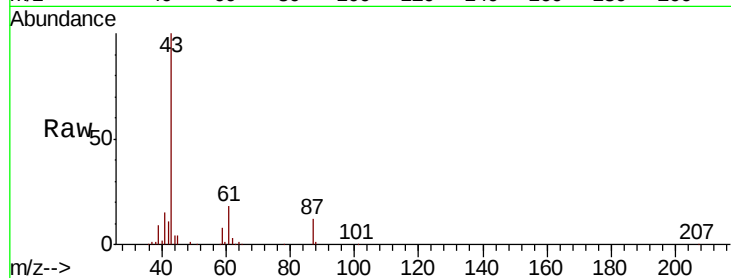
ClientSampleId :

VN1210WBSD01

Tot Ion:	43	Resp:	151297
Ion	Ratio	Lower	Upper
43	100		
61	25.4	19.8	29.6
87	12.6	9.4	14.2

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#44

Trichloroethene

Concen: 20.176 ug/l

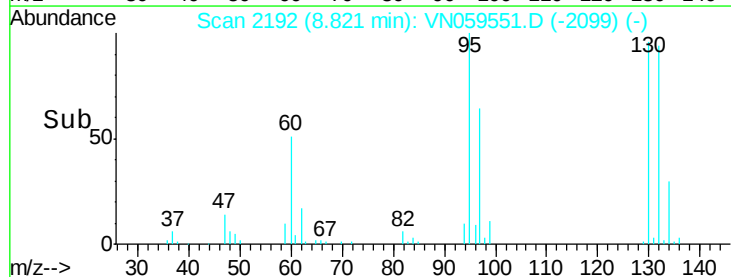
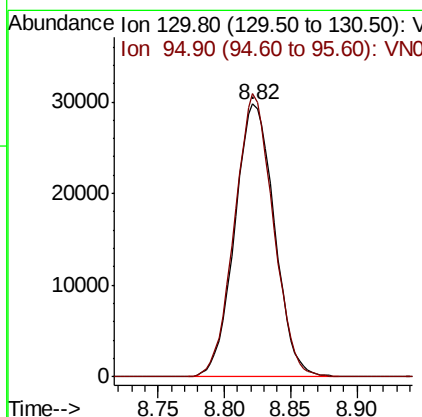
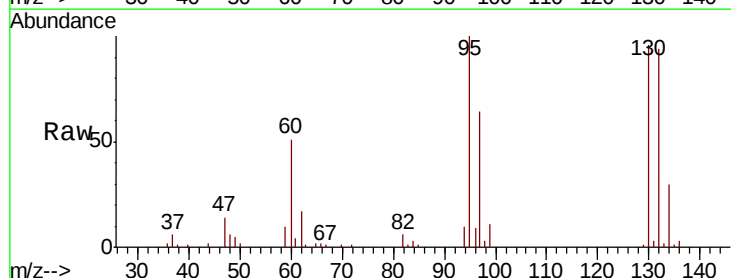
RT: 8.82 min Scan# 2192

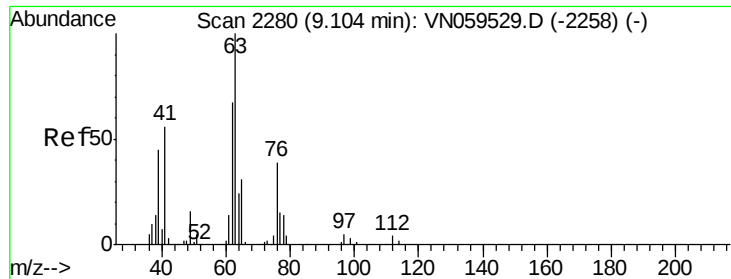
Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion:	130	Resp:	61979
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	202.0





#45

1,2-Dichloropropane

Concen: 21.829 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 63 Resp: 70317

Ion Ratio Lower Upper

63 100

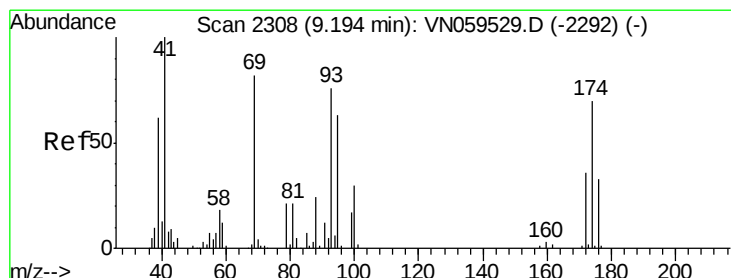
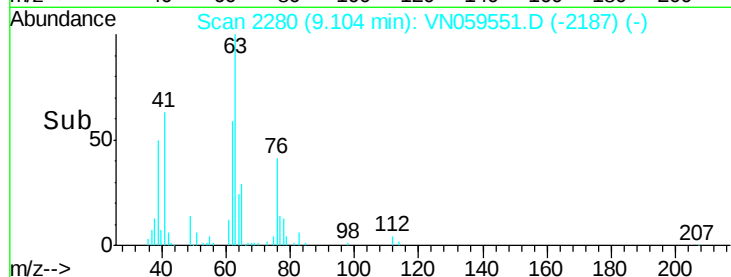
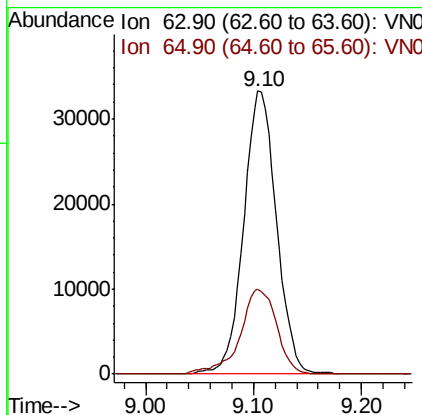
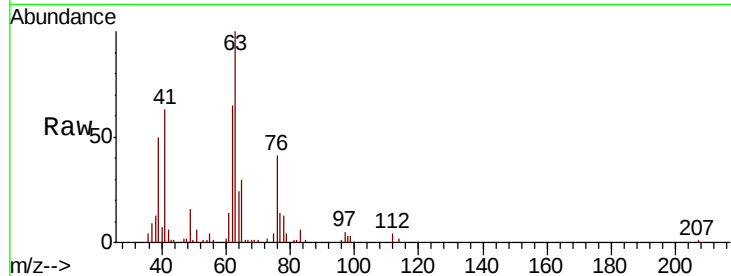
65 30.1 24.8 37.2

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#46

Dibromomethane

Concen: 20.074 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

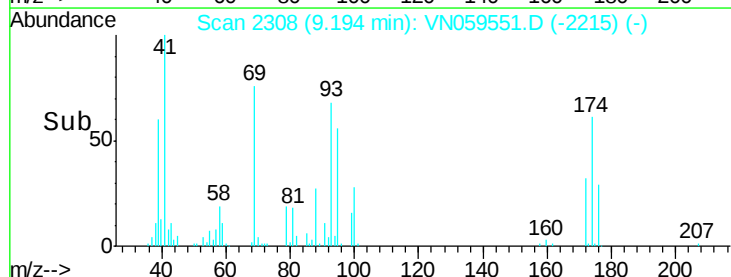
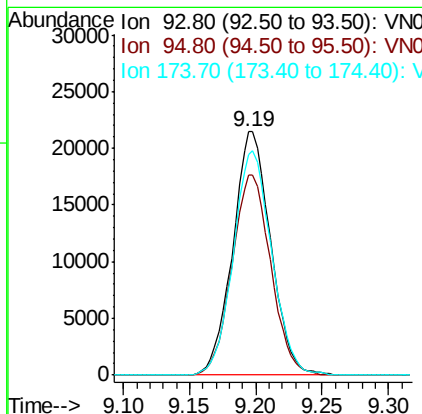
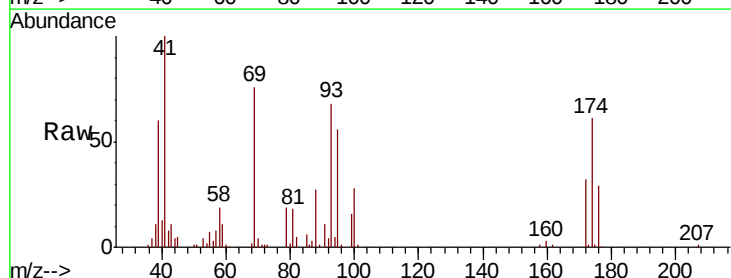
Tgt Ion: 93 Resp: 42734

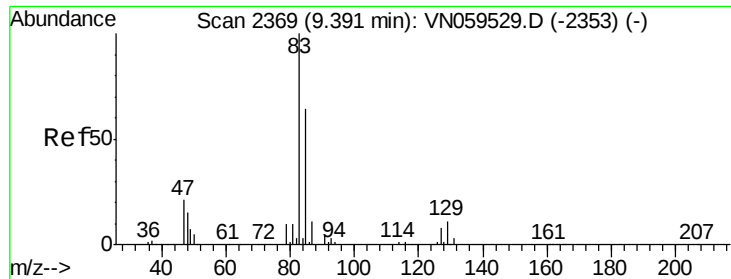
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 92.9 75.6 113.4





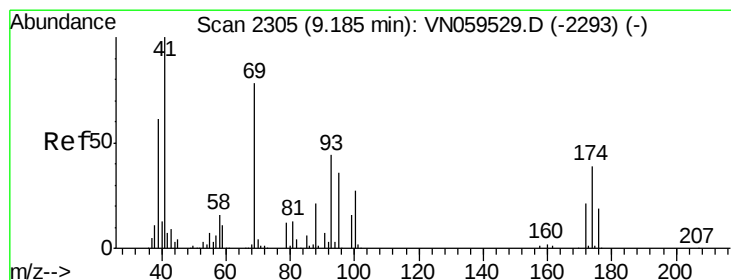
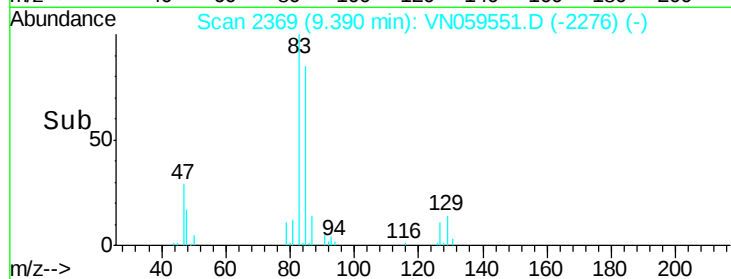
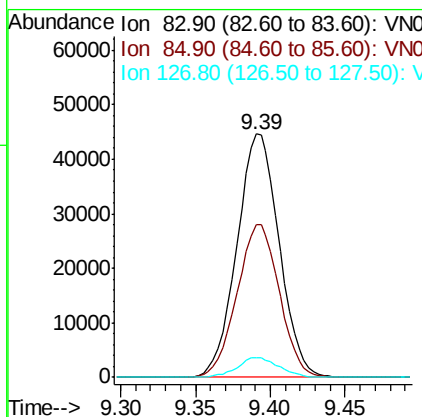
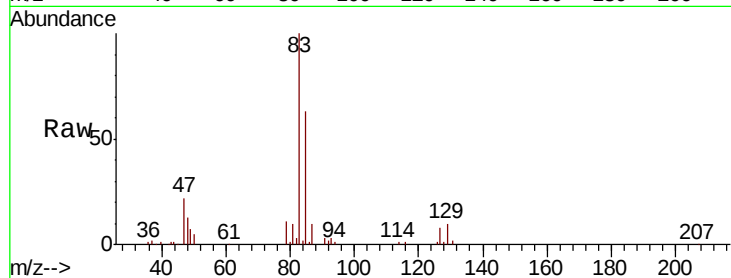
#47
Bromodichloromethane
Concen: 20.716 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	83	Resp	87648
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	51.4	77.0
127	8.1	6.7	10.1

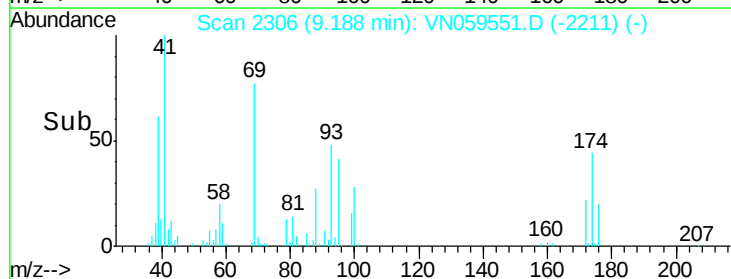
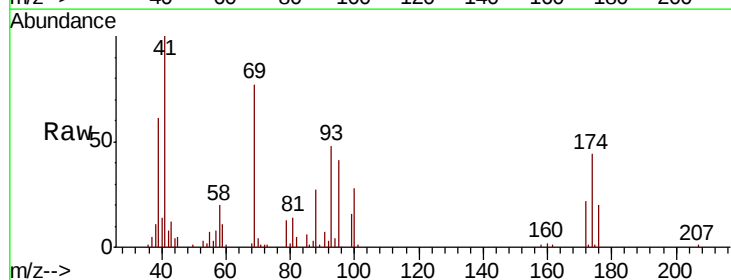
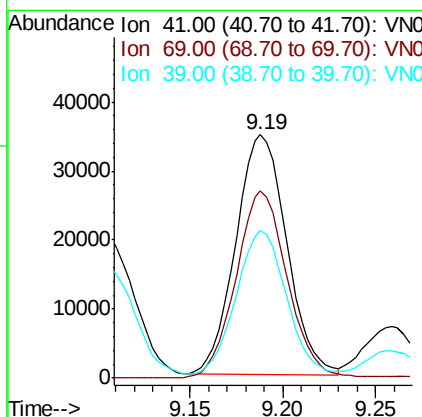
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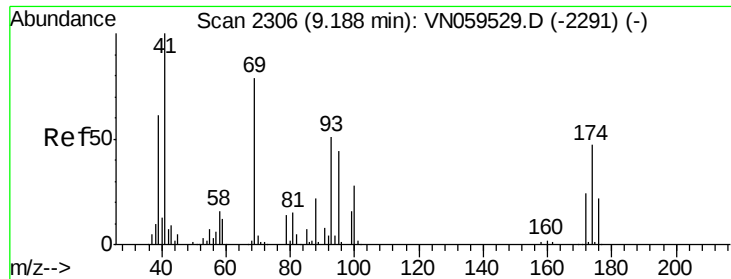
apatel
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#48
Methyl methacrylate
Concen: 20.629 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	41	Resp	66276
Ion Ratio	100	Lower	Upper
41	100		
69	78.7	64.0	96.0
39	61.8	50.0	75.0





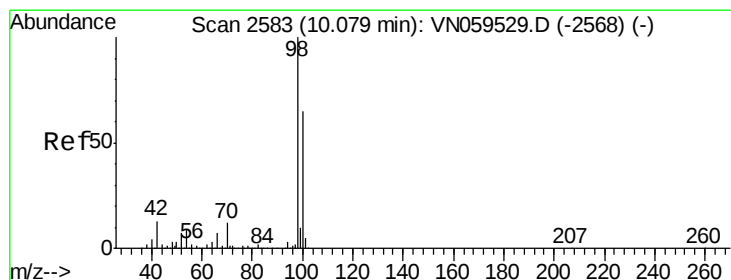
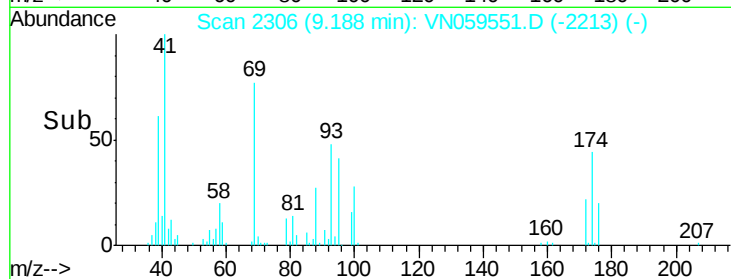
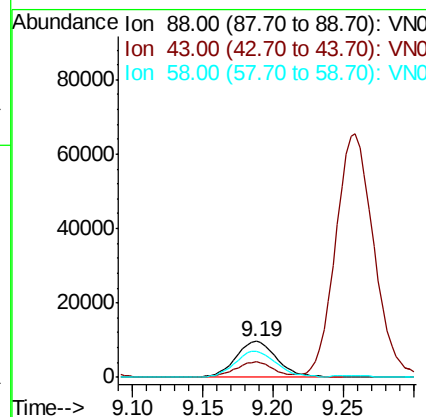
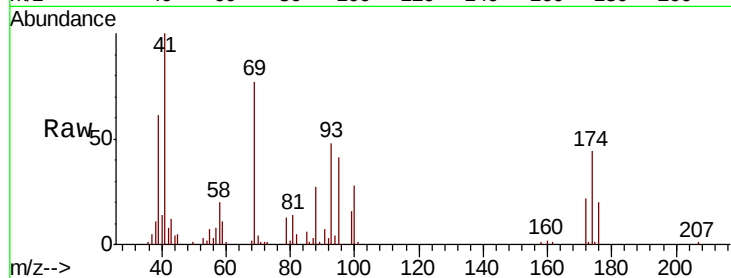
#49
1,4-Dioxane
Concen: 482.245 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.9	31.4	47.0
58	73.9	61.0	91.6

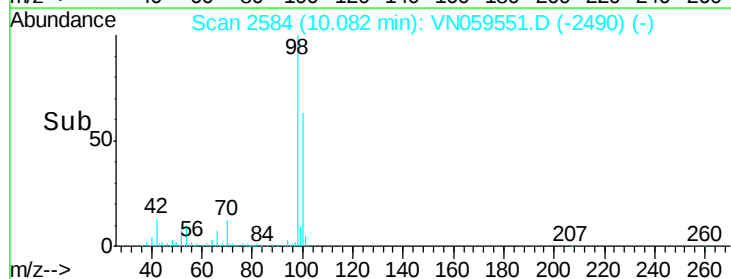
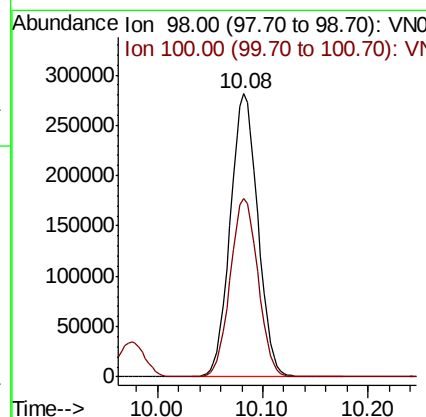
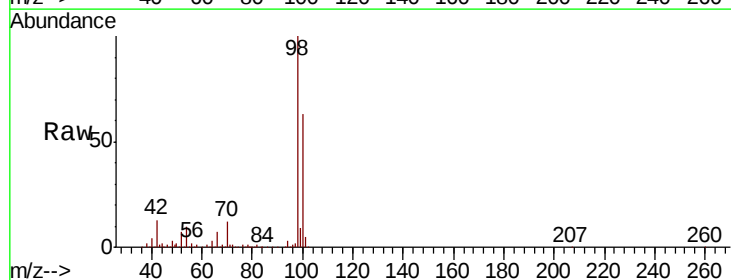
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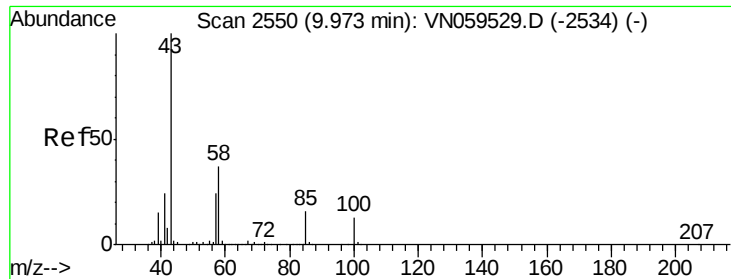
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#50
Toluene-d8
Concen: 50.308 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.8	77.8





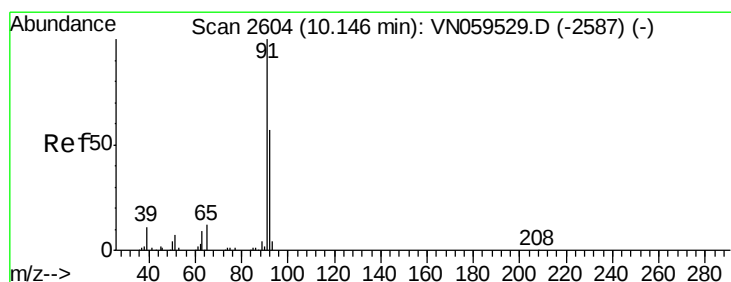
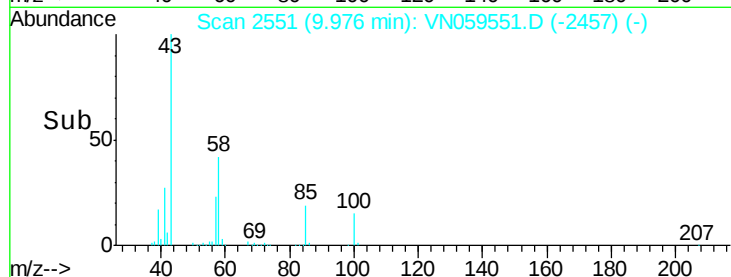
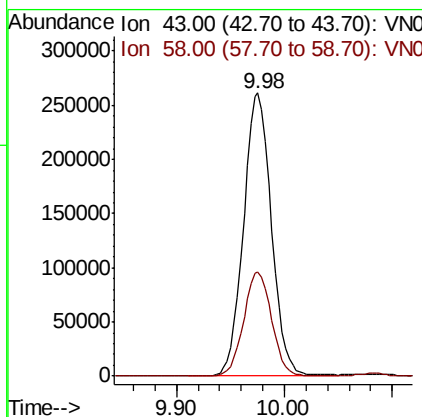
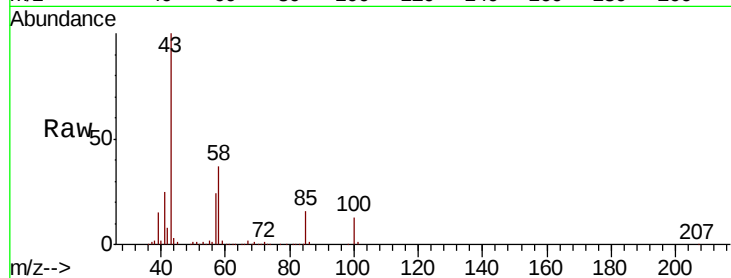
#51
4-Methyl-2-Pentanone
Concen: 99.269 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	43	Resp	465728
Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.1	45.1

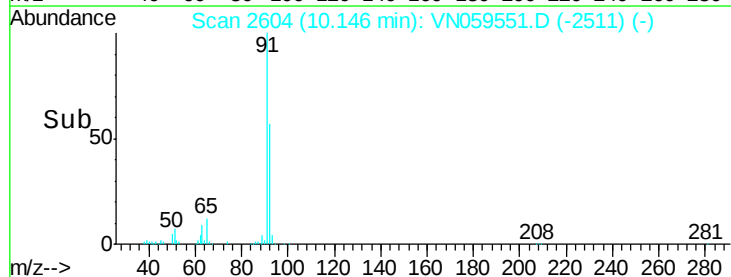
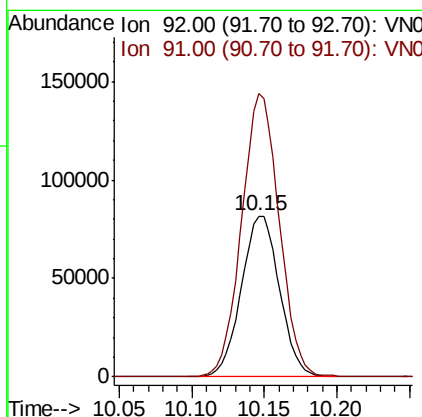
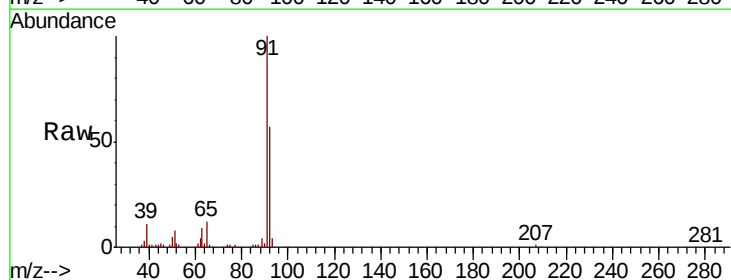
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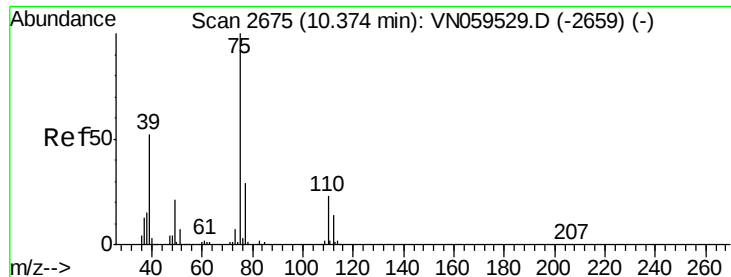
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#52
Toluene
Concen: 20.646 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	92	Resp	149584
Ion	Ratio	Lower	Upper
92	100		
91	173.8	140.7	211.1





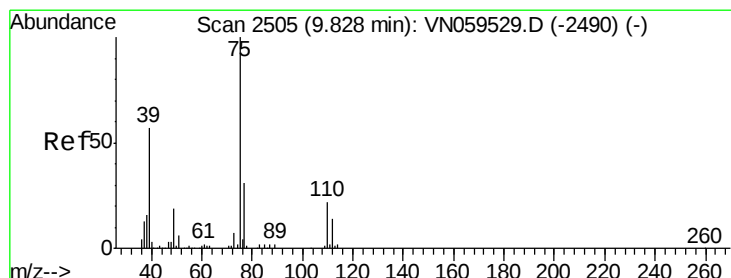
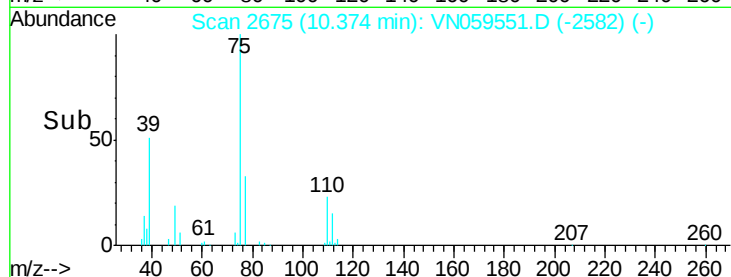
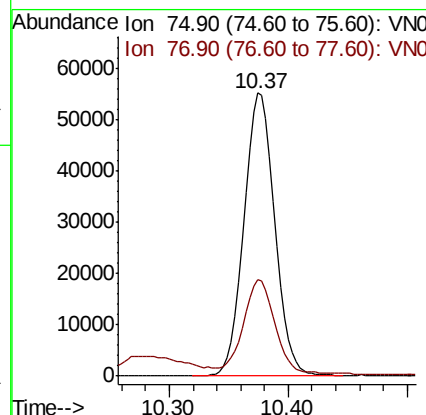
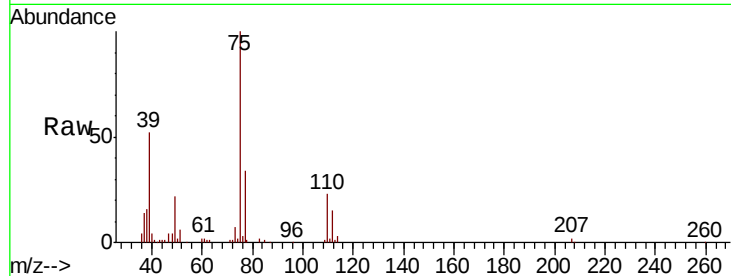
#53
 t-1,3-Dichloropropene
 Concen: 20.074 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.5	36.7

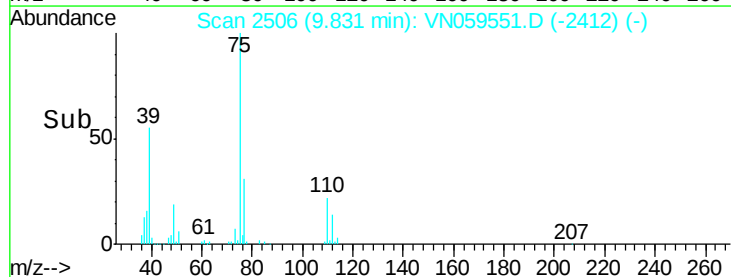
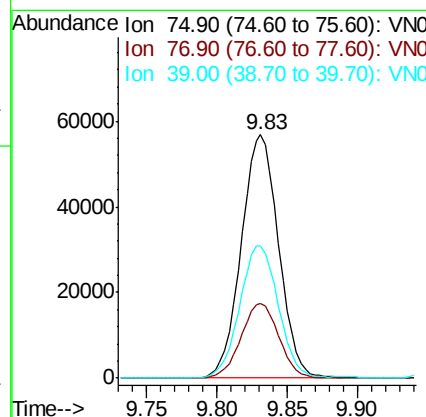
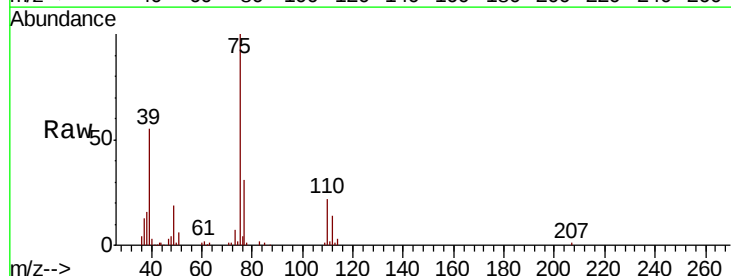
Manual Integrations
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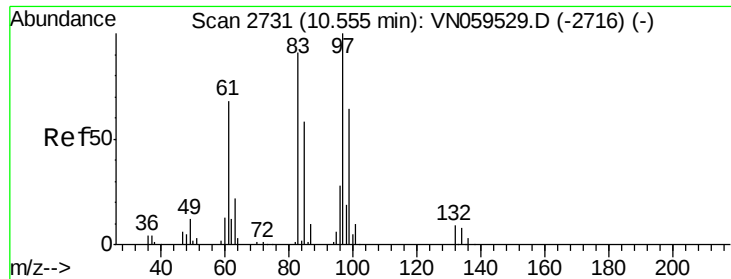
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#54
 cis-1,3-Dichloropropene
 Concen: 20.906 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	36.8
39	54.5	45.6	68.4





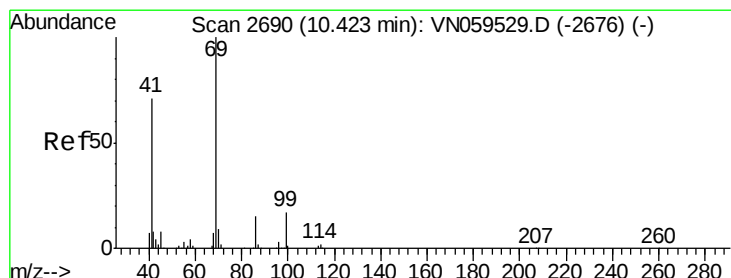
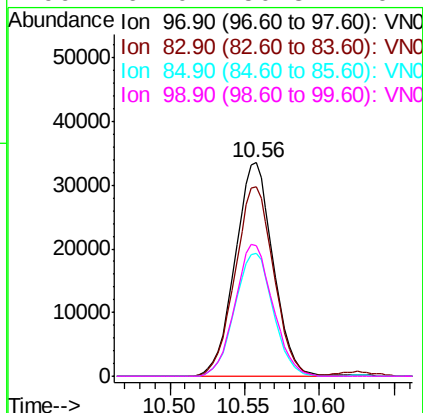
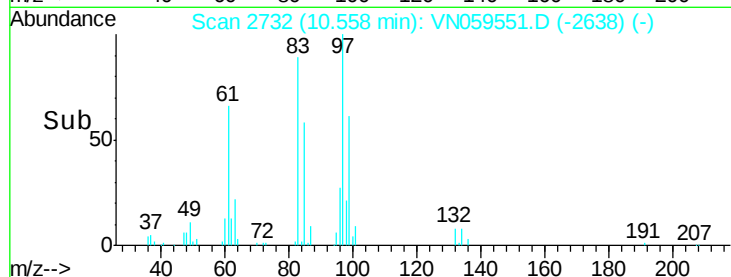
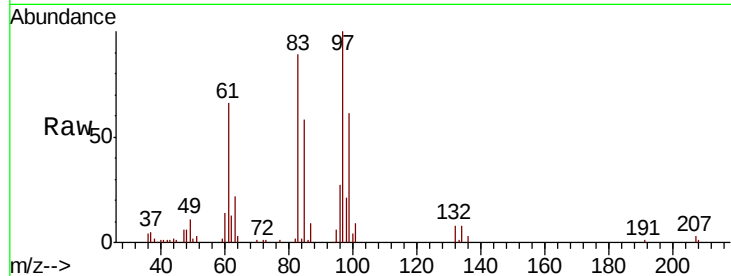
#55
 1,1,2-Trichloroethane
 Concen: 20.294 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion:	97	Resp:	59466
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.9	109.3
85	57.6	46.1	69.1
99	61.0	50.8	76.2

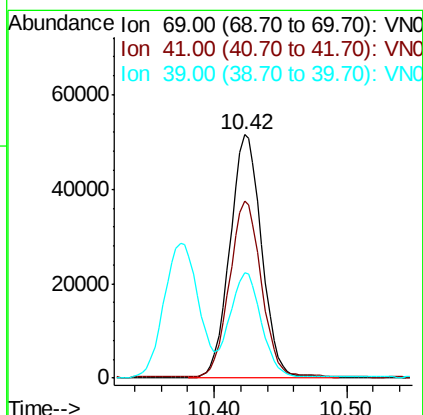
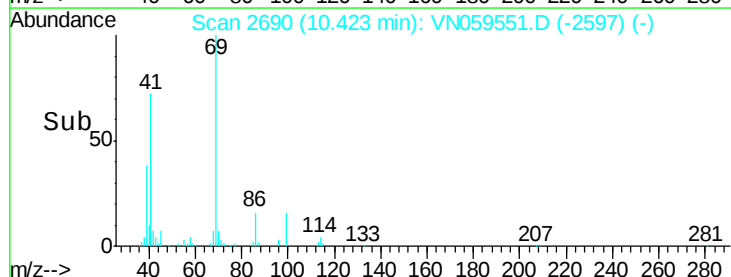
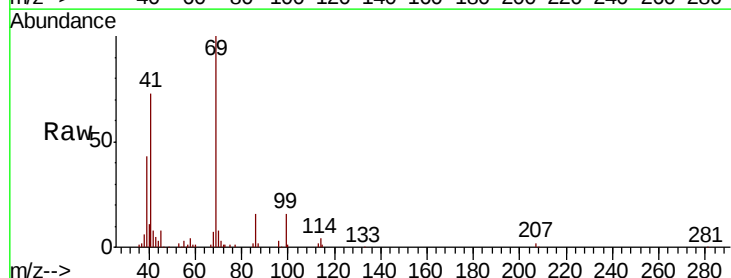
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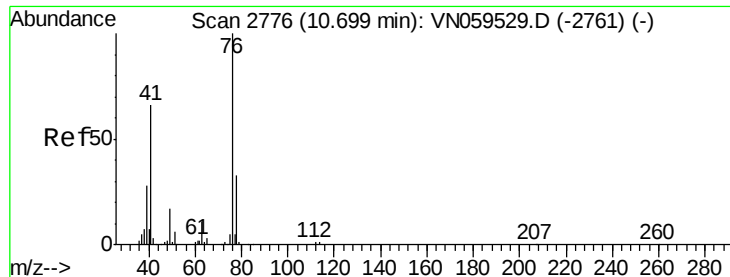
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#56
 Ethyl methacrylate
 Concen: 18.442 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Tgt Ion:	69	Resp:	86010
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.7	86.5
39	42.4	34.2	51.2





#57

1,3-Dichloropropane

Concen: 20.839 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 76 Resp: 104287

Ion Ratio Lower Upper

76 100

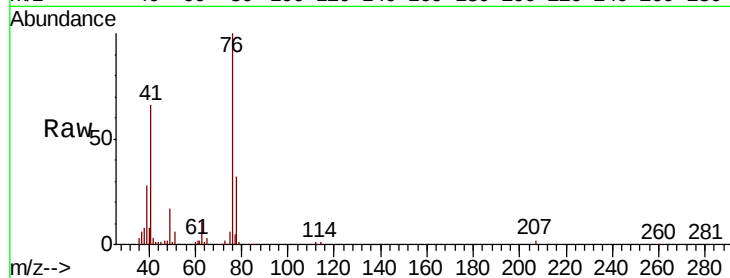
78 32.4 26.1 39.1

Manual Integrations

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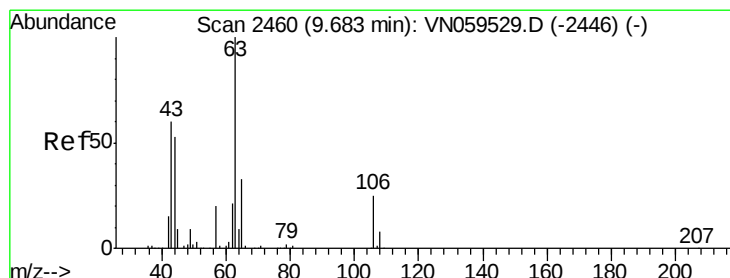
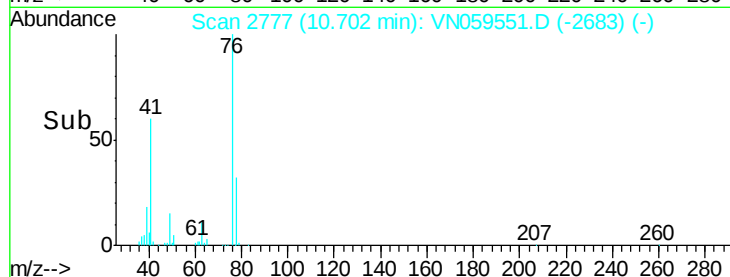
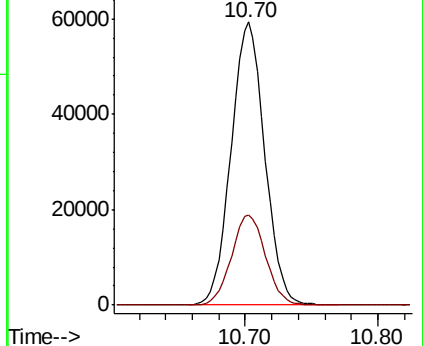
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 119.190 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059551.D

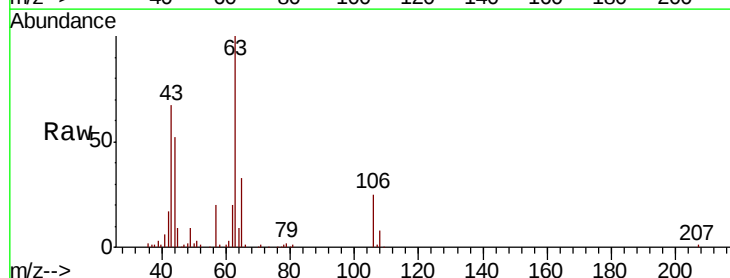
Acq: 10 Dec 2019 16:38

Tgt Ion: 63 Resp: 143076

Ion Ratio Lower Upper

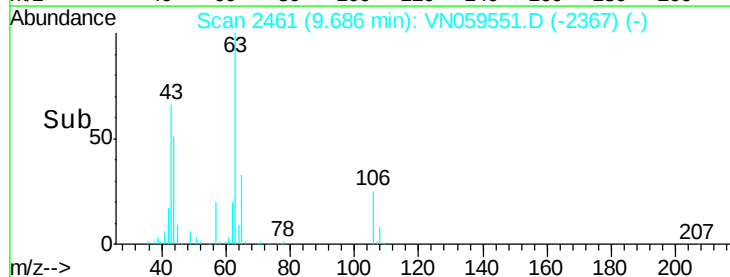
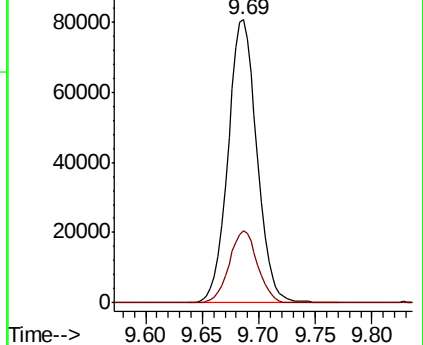
63 100

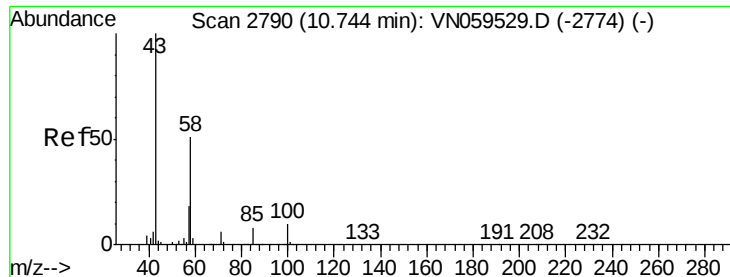
106 25.0 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





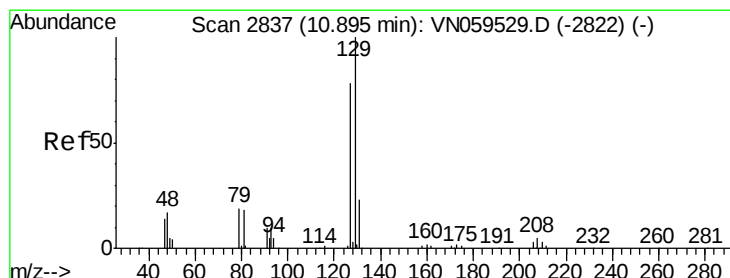
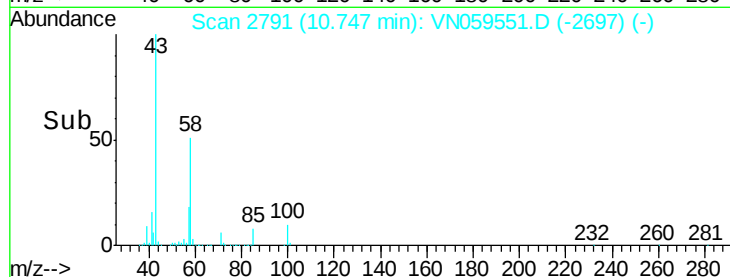
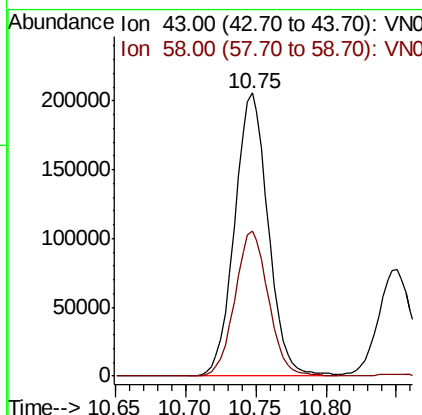
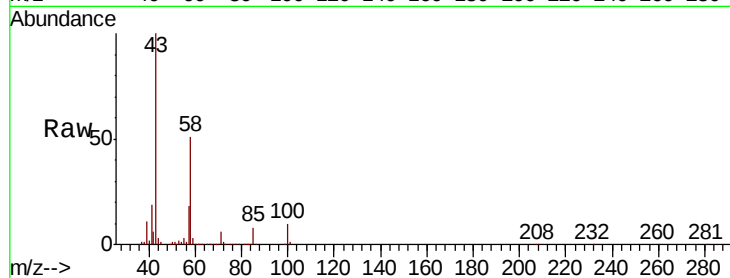
#59
2-Hexanone
Concen: 97.110 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion: 43 Resp: 341413
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.6

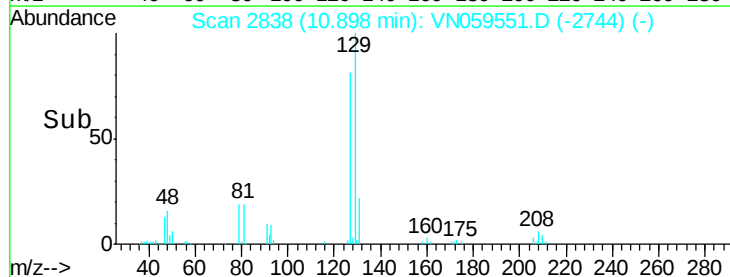
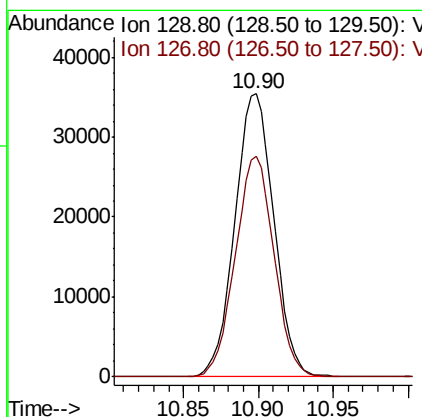
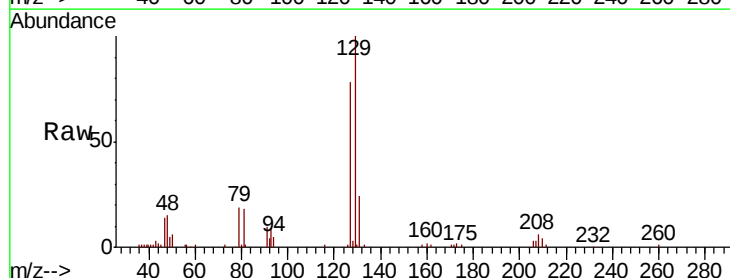
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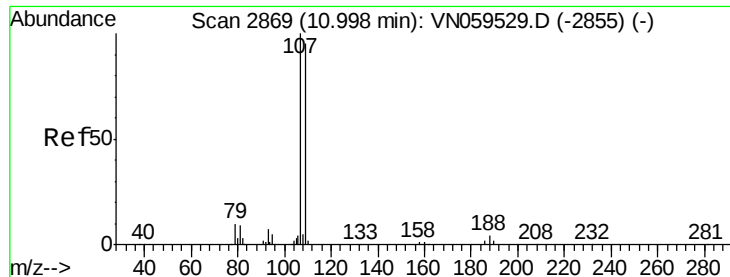
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#60
Dibromochloromethane
Concen: 19.044 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion: 129 Resp: 64284
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





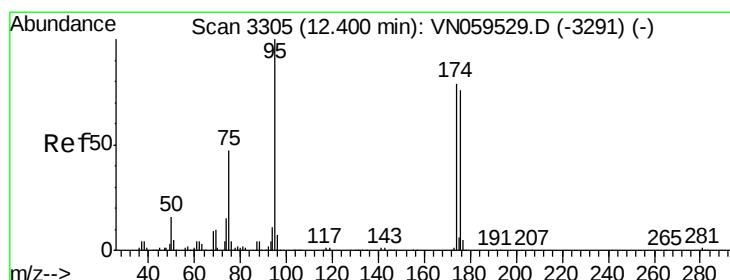
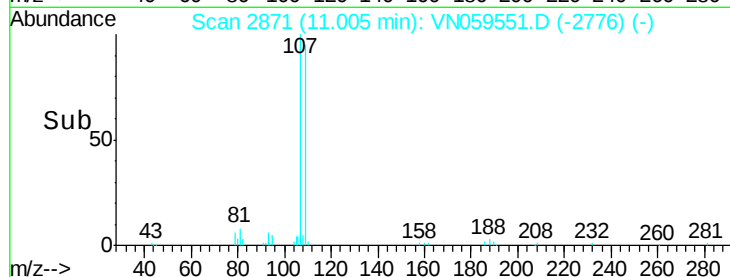
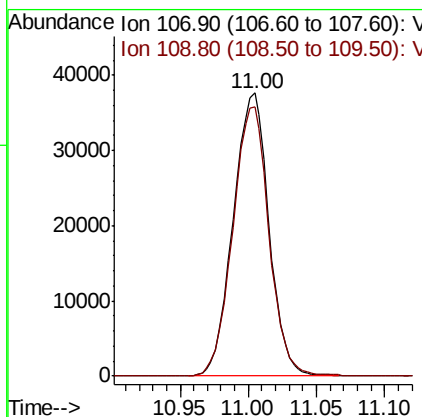
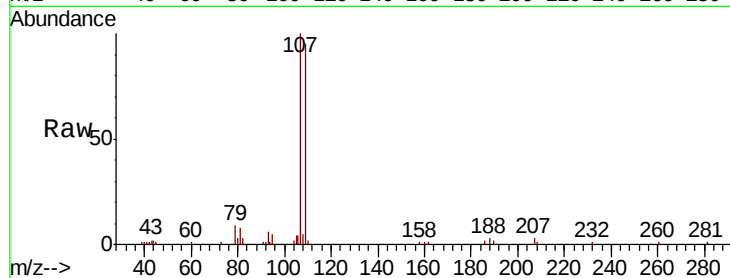
#61
 1,2-Dibromoethane
 Concen: 22.450 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.01 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion: 107 Resp: 68483
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.1 114.1

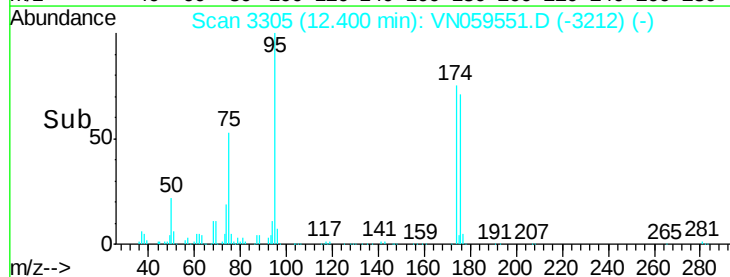
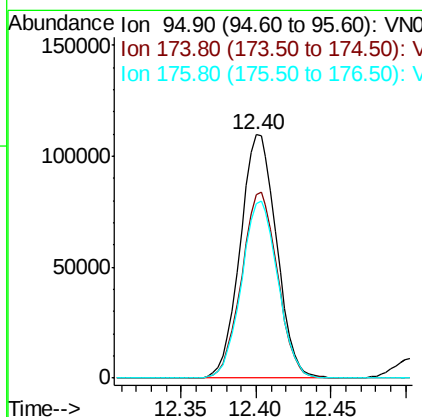
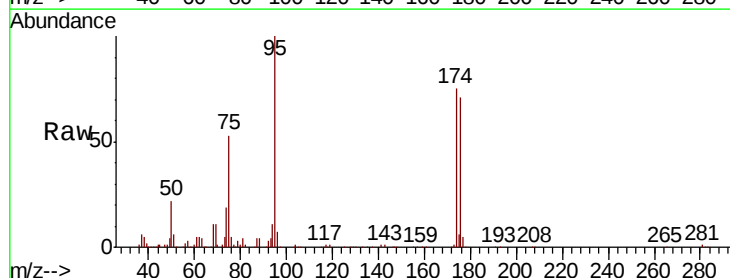
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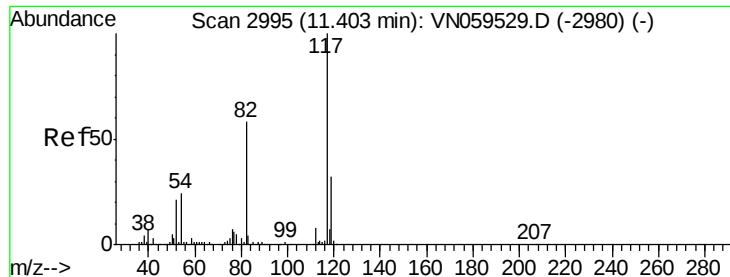
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#62
 4-Bromofluorobenzene
 Concen: 49.589 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Tgt Ion: 95 Resp: 185536
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 158.0
 176 72.6 0.0 155.4





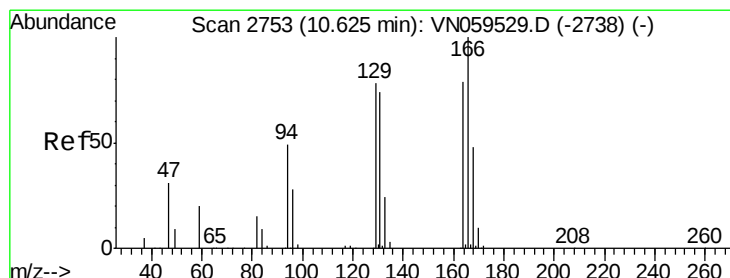
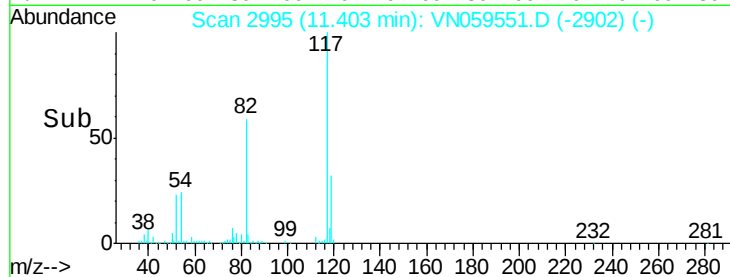
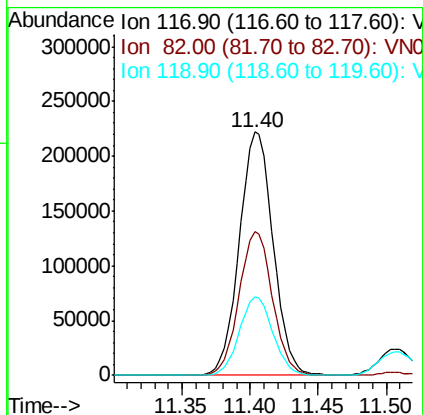
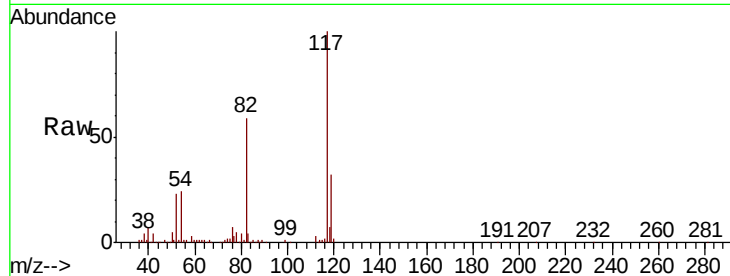
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.5	69.7
119	32.1	25.2	37.8

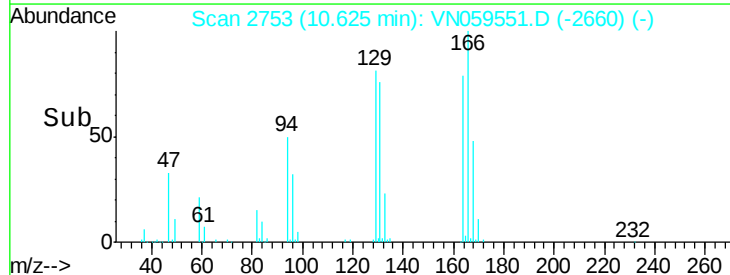
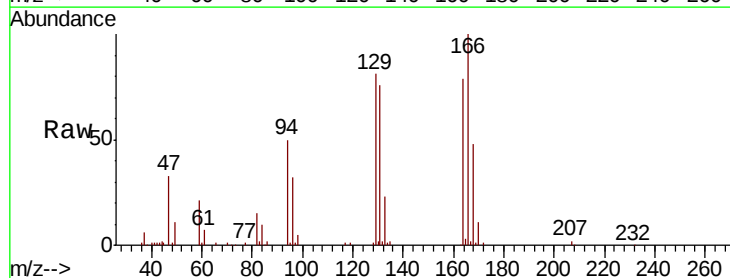
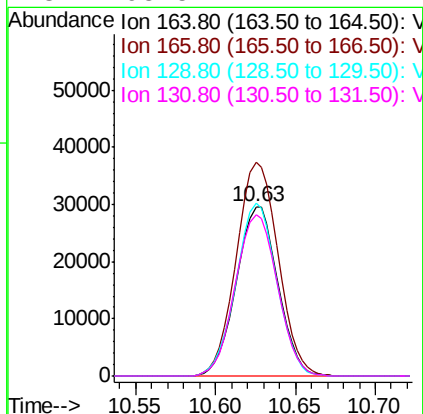
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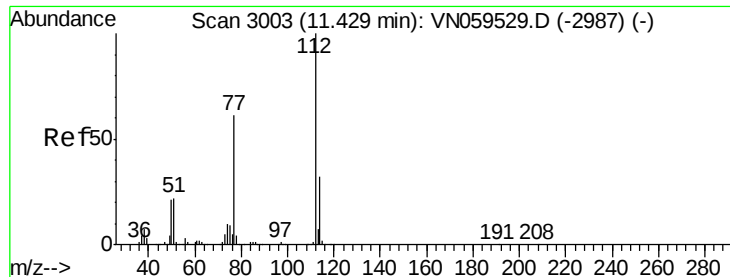
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#64
Tetrachloroethene
Concen: 18.758 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.6	152.4
129	102.1	79.0	118.6
131	95.5	74.7	112.1





#65

Chlorobenzene

Concen: 19.815 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:112 Resp: 158441

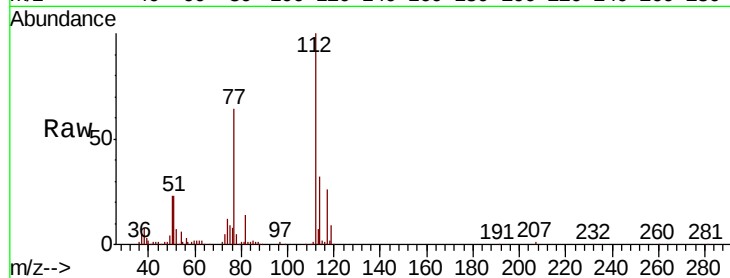
Ion Ratio Lower Upper

112 100

114 31.9 26.0 39.0

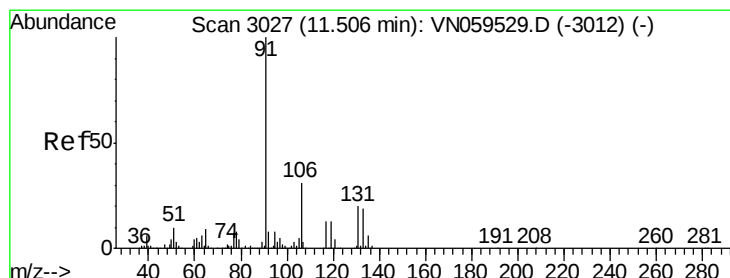
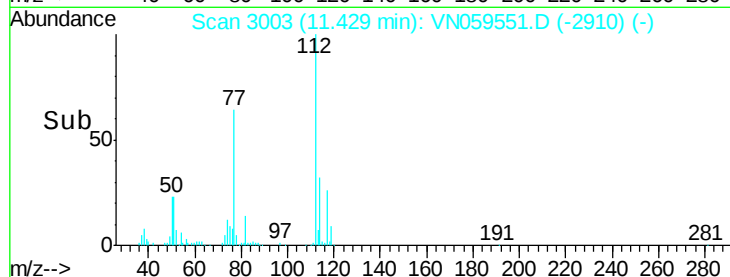
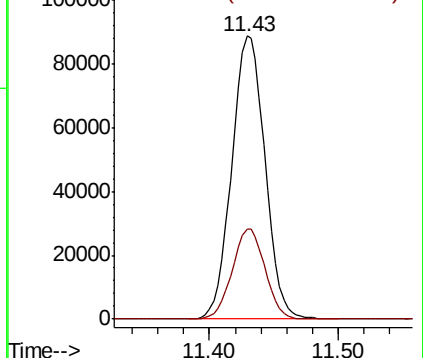
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.159 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

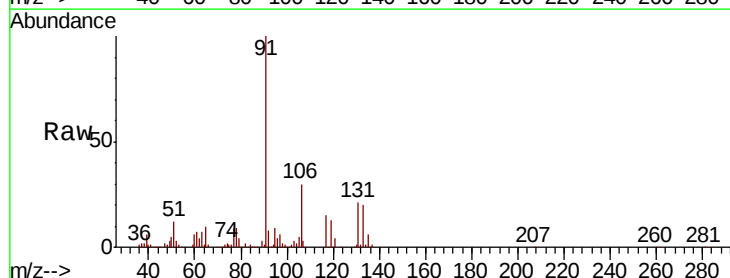
Tgt Ion:131 Resp: 60121

Ion Ratio Lower Upper

131 100

133 94.9 47.8 143.3

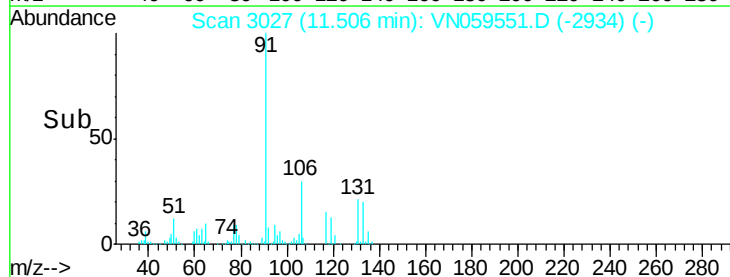
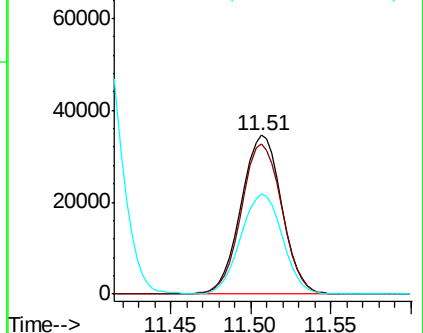
119 64.5 33.4 100.2

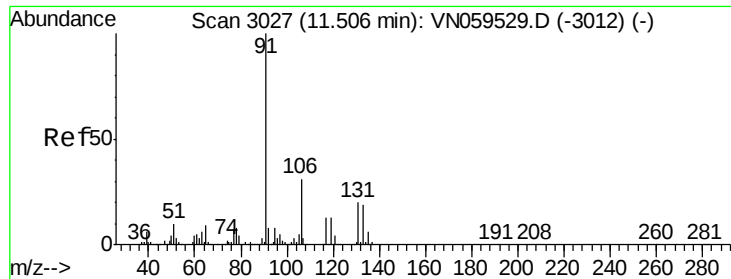


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.683 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 91 Resp: 283212

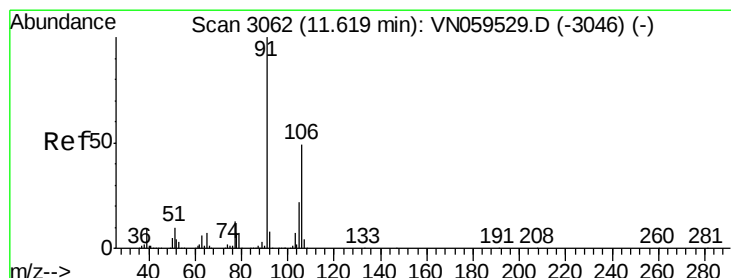
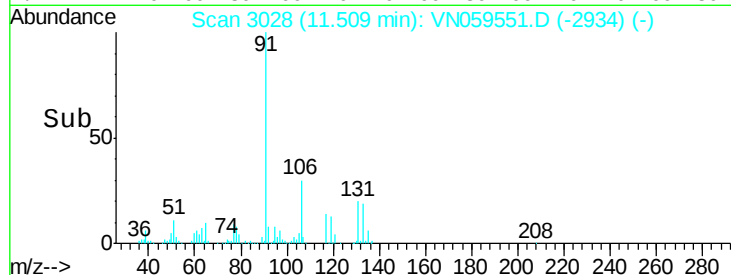
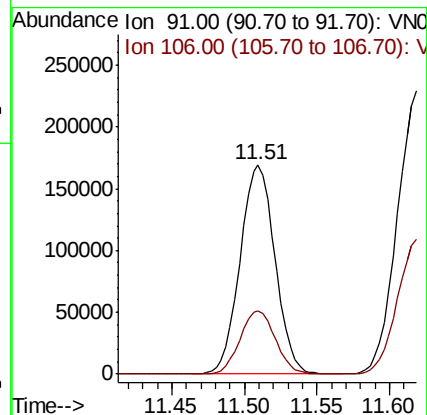
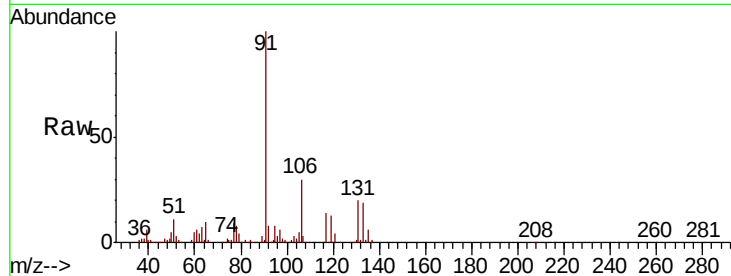
Ion Ratio Lower Upper

91 100

106 30.4 24.5 36.7

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#68

m/p-Xylenes

Concen: 38.792 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059551.D

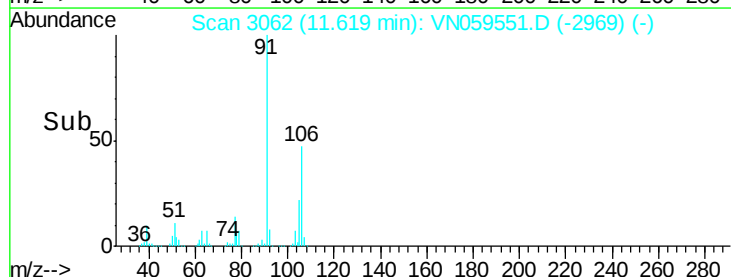
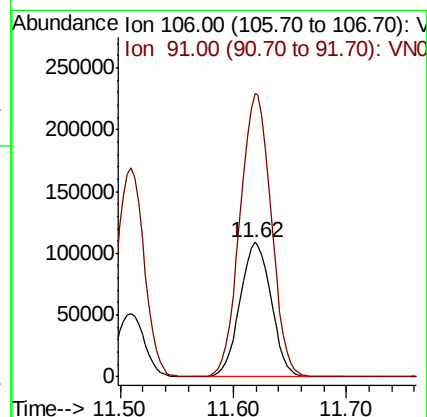
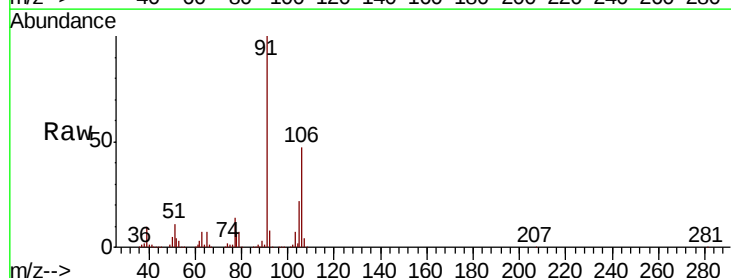
Acq: 10 Dec 2019 16:38

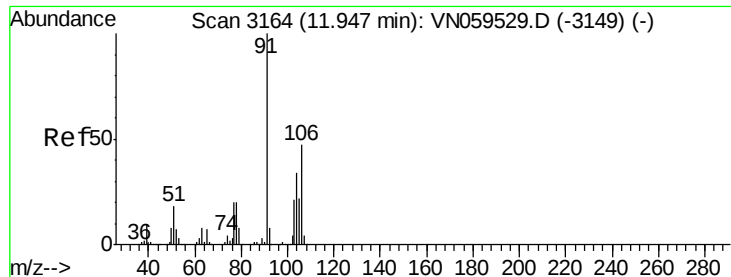
Tgt Ion: 106 Resp: 209390

Ion Ratio Lower Upper

106 100

91 210.9 162.9 244.3





#69

o-Xylene

Concen: 19.910 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleID :

VN1210WBSD01

Tot Ion:106 Resp: 100030

Ion Ratio Lower Upper

106 100

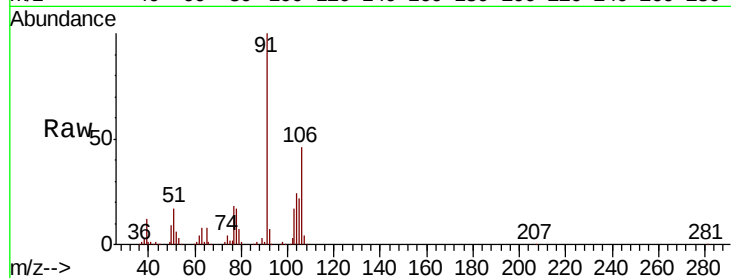
91 220.5 106.7 319.9

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

150000

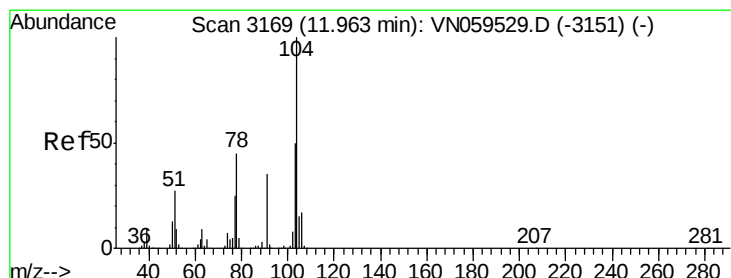
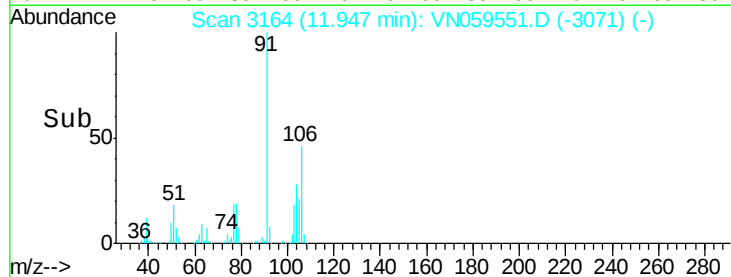
100000

50000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 19.092 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

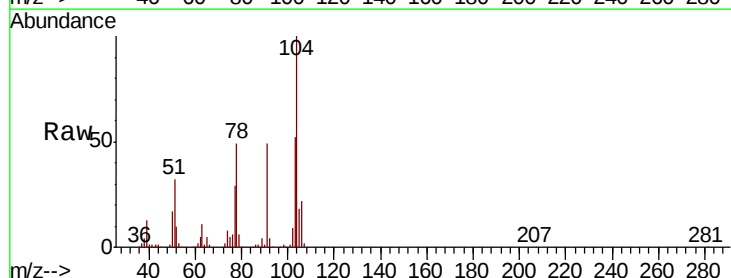
Tgt Ion:104 Resp: 158910

Ion Ratio Lower Upper

104 100

78 53.3 40.6 60.8

103 55.6 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

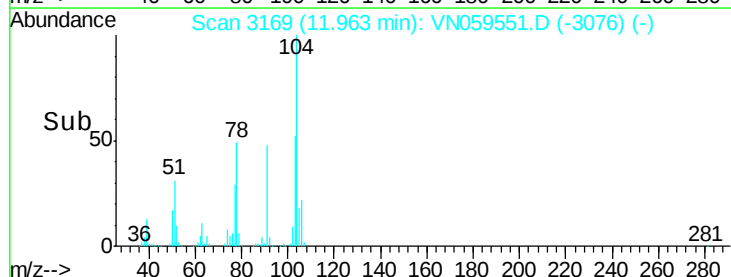
40000

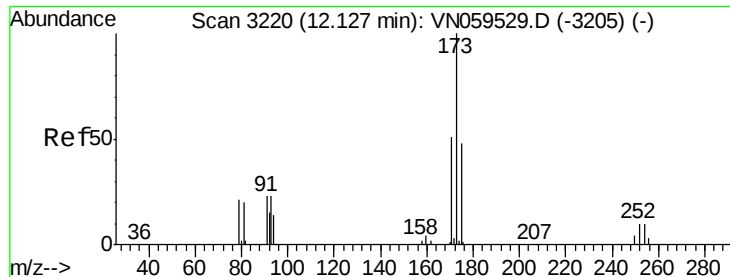
20000

0

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 19.486 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:173 Resp: 45724

Ion Ratio Lower Upper

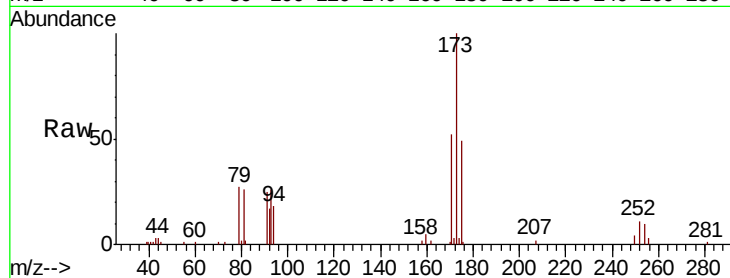
173 100

175 47.1 24.1 72.4

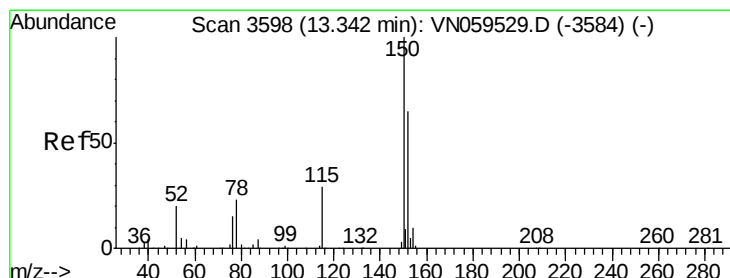
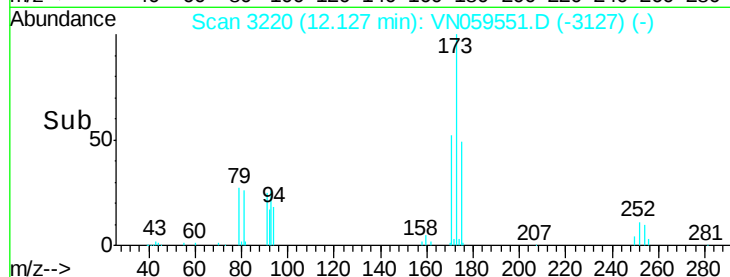
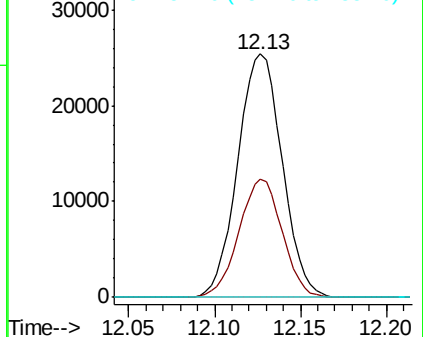
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

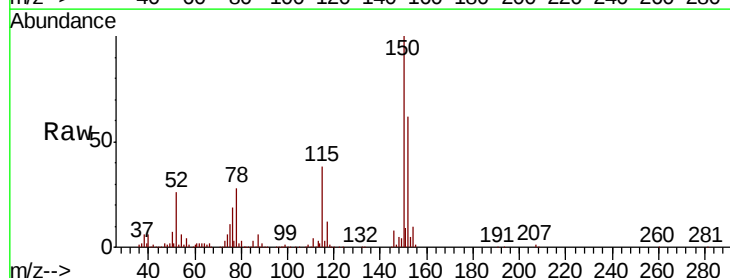
Tgt Ion:152 Resp: 182547

Ion Ratio Lower Upper

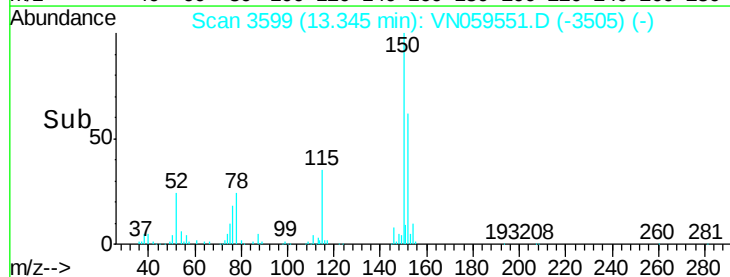
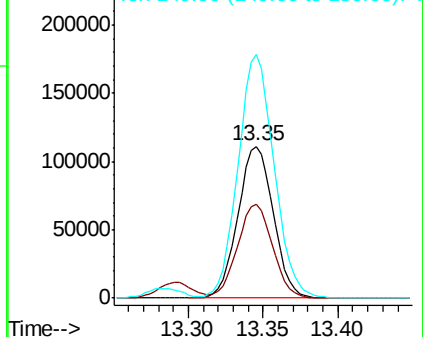
152 100

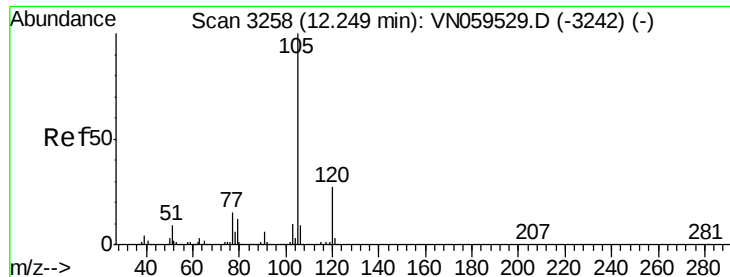
115 61.7 29.4 88.2

150 164.7 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.830 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 105 Resp: 271536

Ion Ratio Lower Upper

105 100

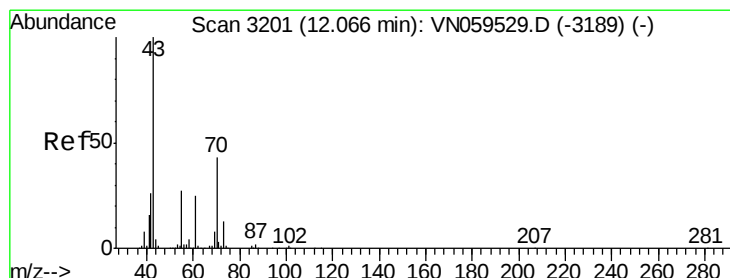
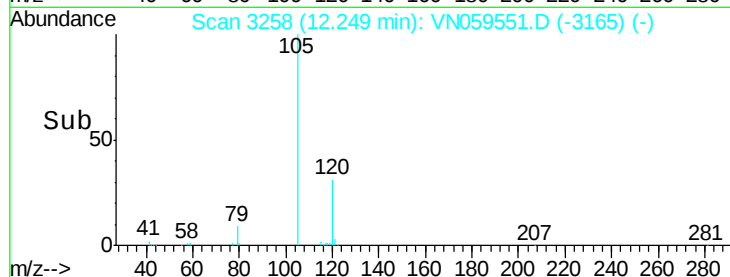
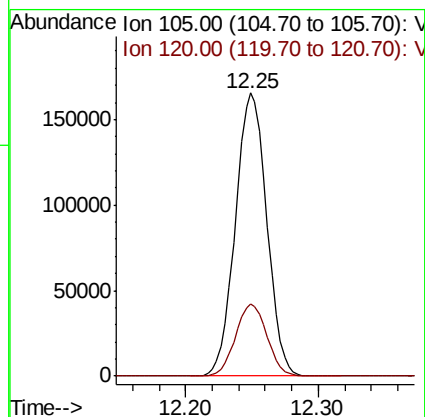
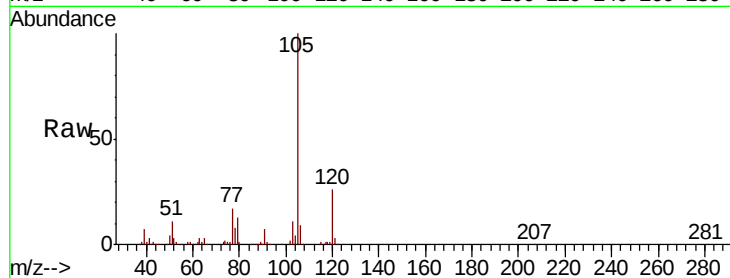
120 25.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.174 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion: 43 Resp: 120332

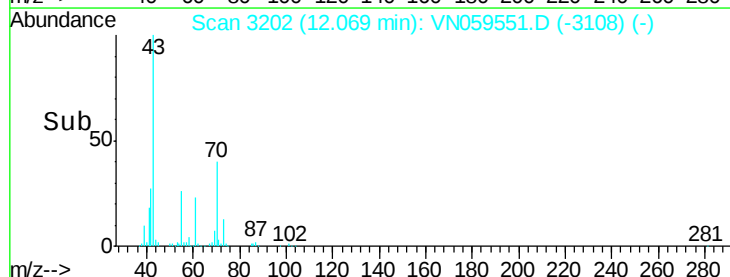
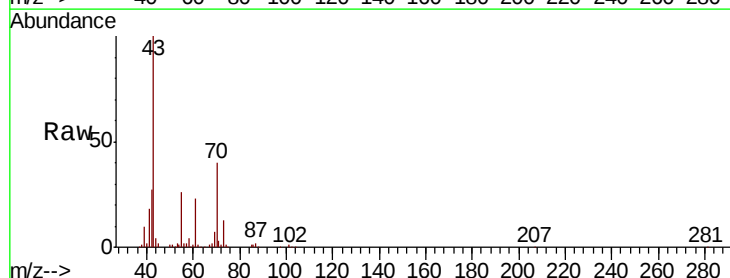
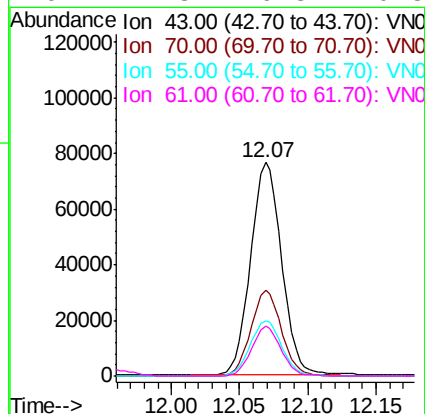
Ion Ratio Lower Upper

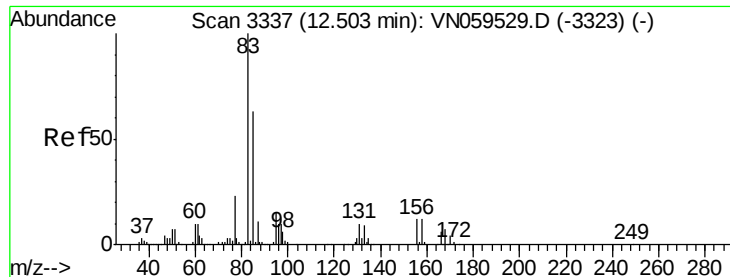
43 100

70 39.9 34.2 51.4

55 26.5 21.3 31.9

61 22.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.866 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

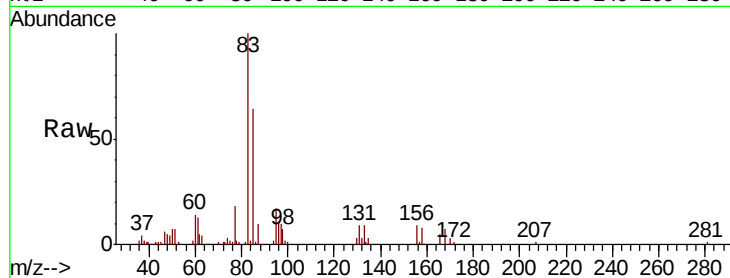
ClientSampleId :

VN1210WBSD01

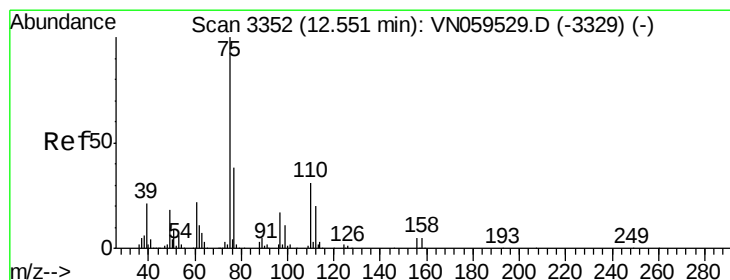
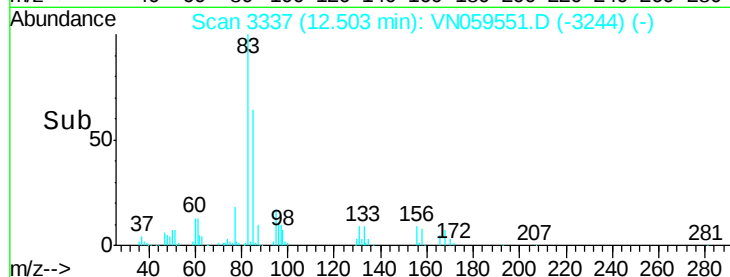
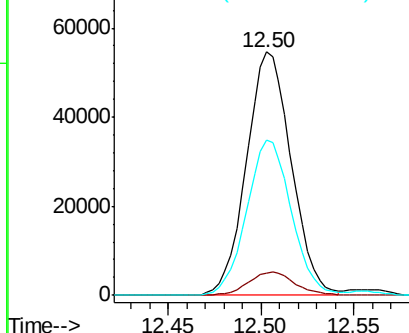
Tot Ion:	83	Resp:	92174
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	63.7	31.6	95.0

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 18.348 ug/l m

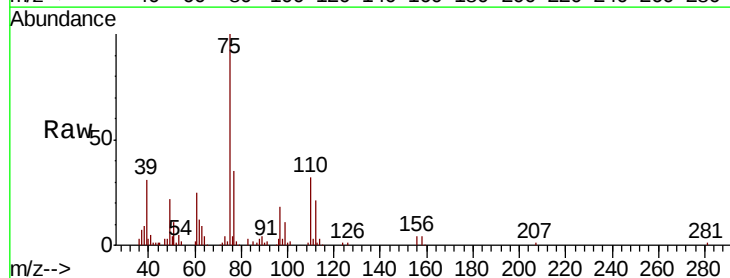
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

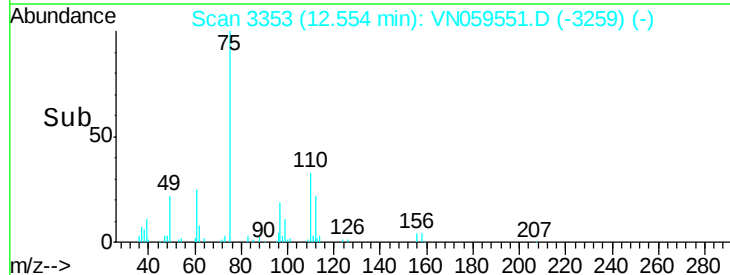
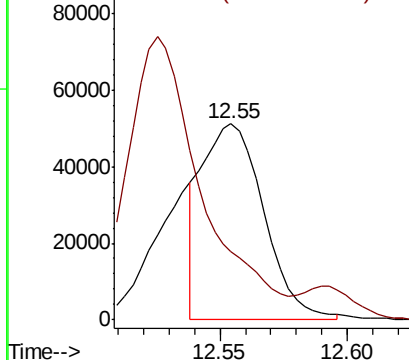
Lab File: VN059551.D

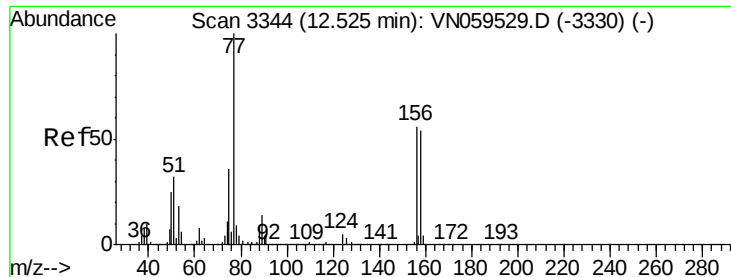
Acq: 10 Dec 2019 16:38

Tgt Ion:	75	Resp:	85654
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 18.971 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion:156 Resp: 64672

Ion Ratio Lower Upper

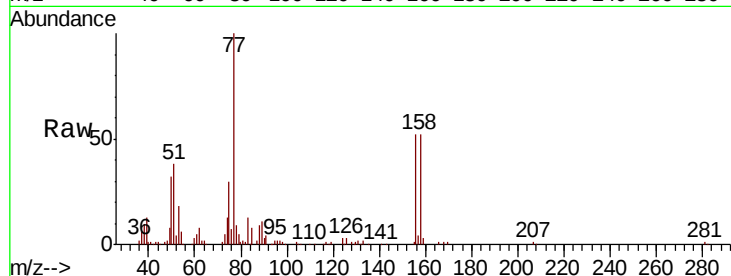
156 100

77 234.7 109.3 327.8

158 100.1 48.6 145.8

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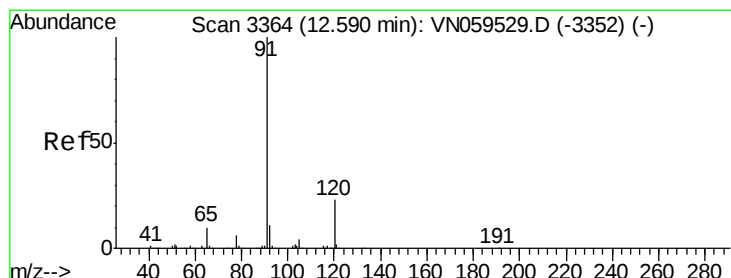
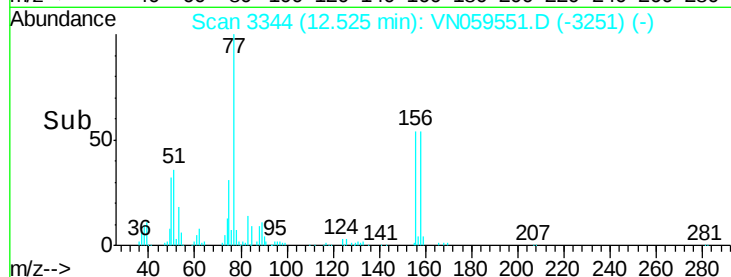
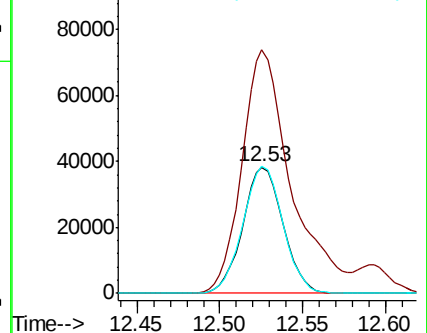
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.389 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059551.D

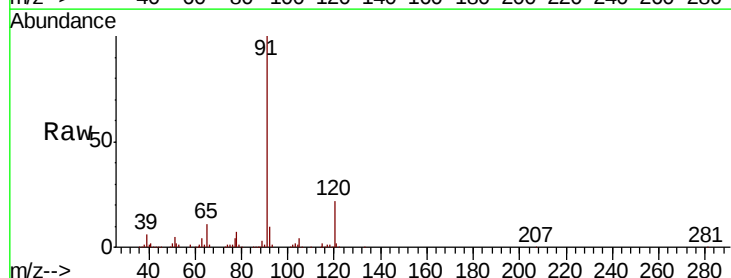
Acq: 10 Dec 2019 16:38

Tgt Ion: 91 Resp: 326239

Ion Ratio Lower Upper

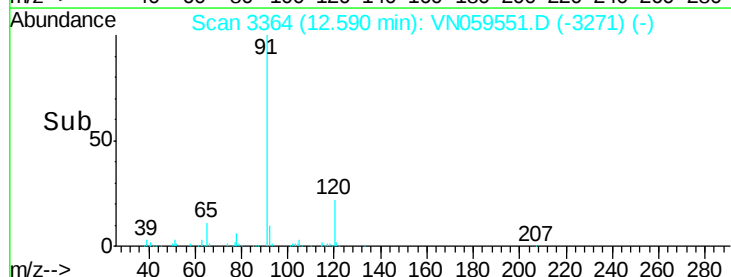
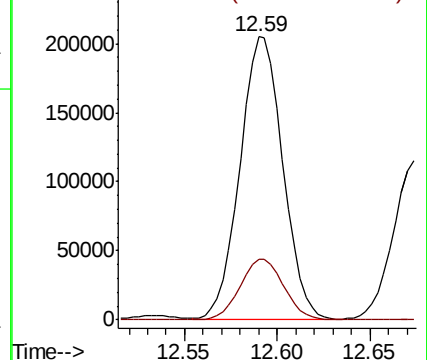
91 100

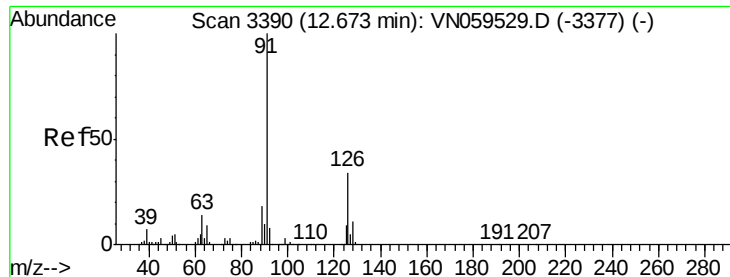
120 21.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.999 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBSD01

Tot Ion: 91 Resp: 190627

Ion Ratio Lower Upper

91 100

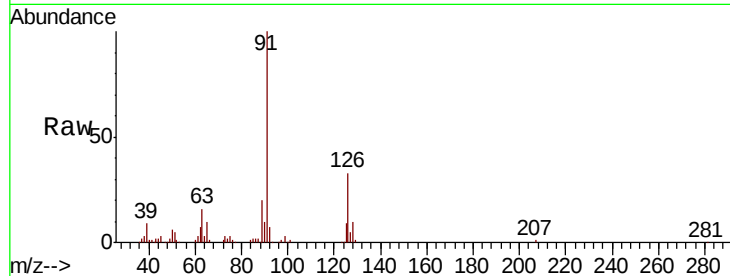
126 32.8 16.9 50.7

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Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059529.D (-3377) (-)

150000

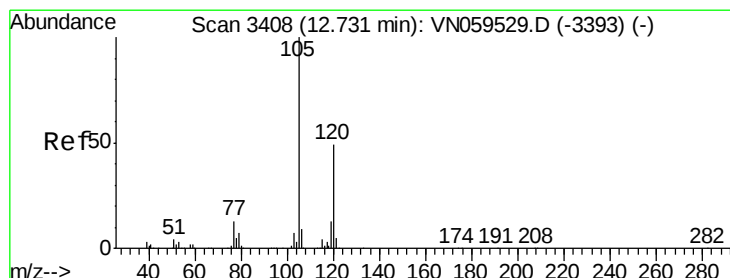
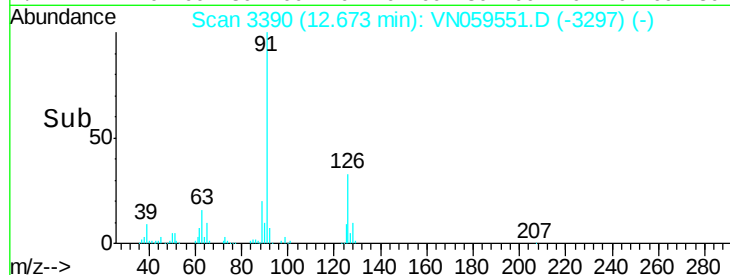
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.669 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059551.D

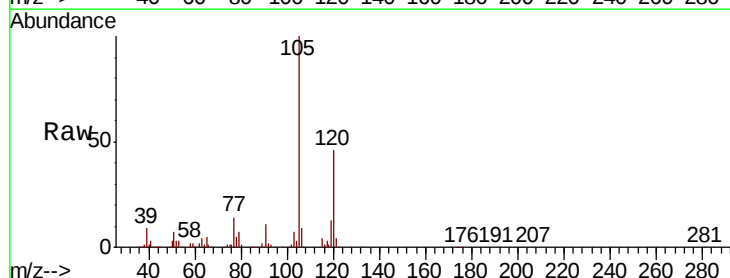
Acq: 10 Dec 2019 16:38

Tgt Ion: 105 Resp: 230954

Ion Ratio Lower Upper

105 100

120 47.1 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059529.D (-3393) (-)

150000

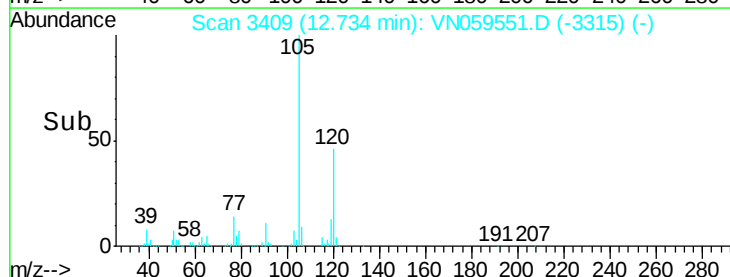
100000

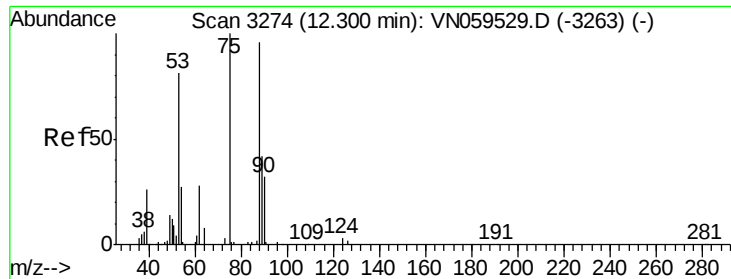
50000

0

12.65 12.70 12.75 12.80

Time-->





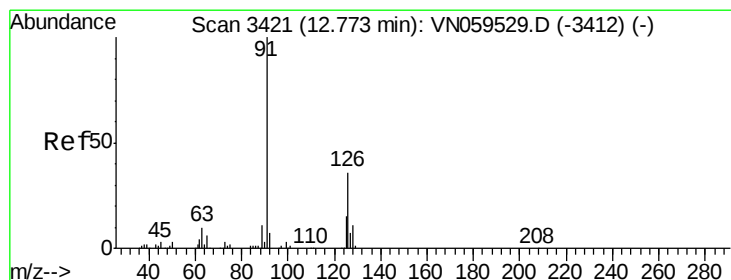
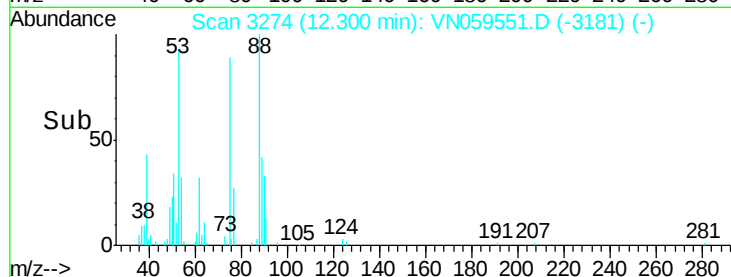
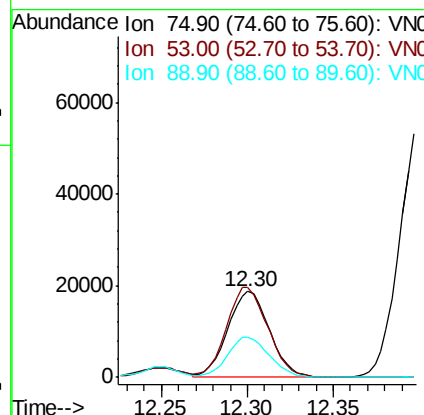
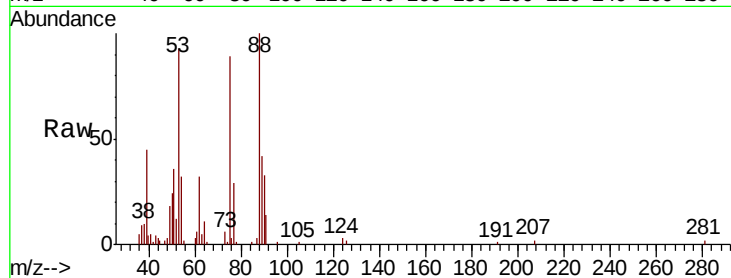
#81
trans-1,4-Dichloro-2-butene
Concen: 18.323 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.7	67.0	100.6#
89	46.4	35.5	53.3

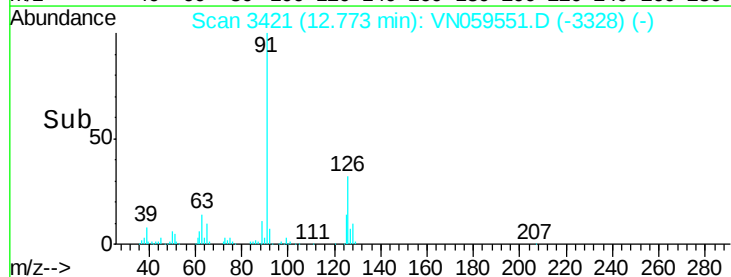
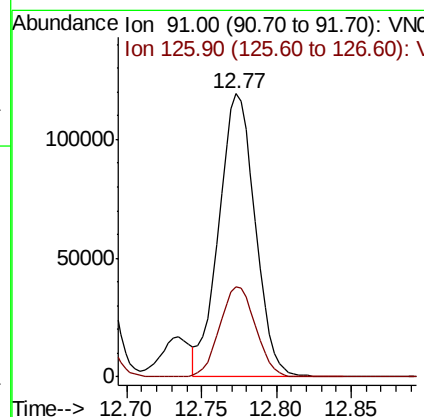
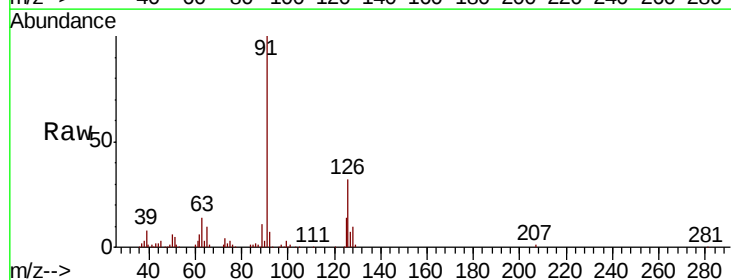
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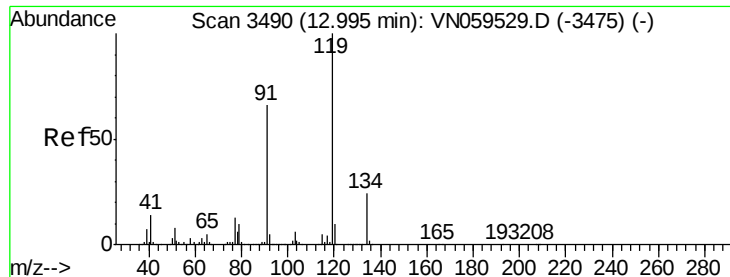
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#82
4-Chlorotoluene
Concen: 19.525 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.4





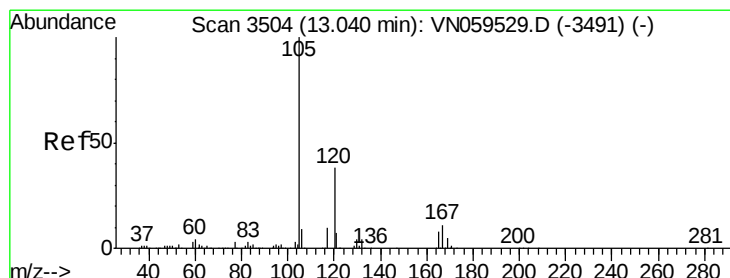
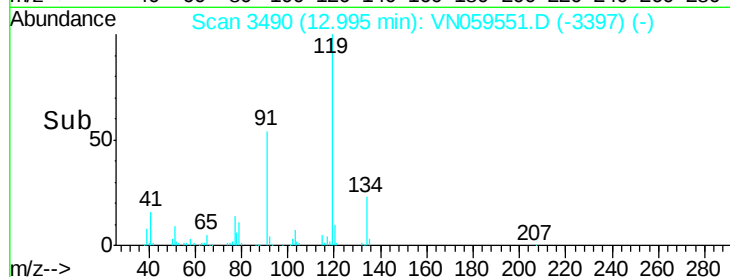
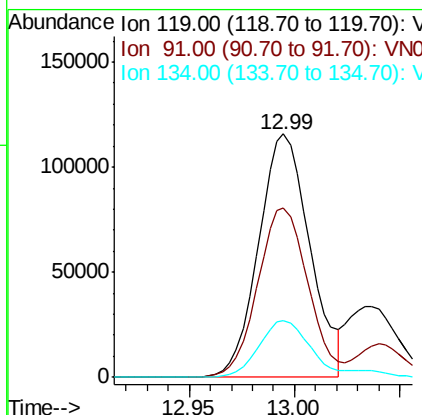
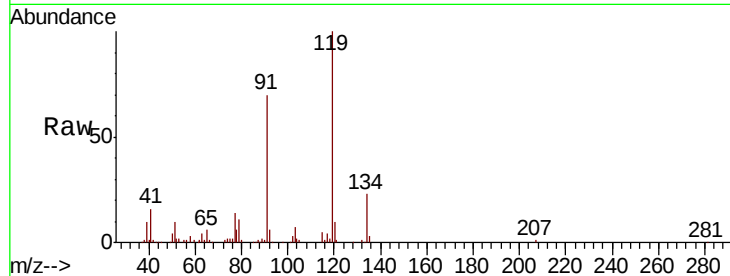
#83
tert-Butylbenzene
Concen: 20.003 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	32.8	98.4
134	23.5	12.8	38.3

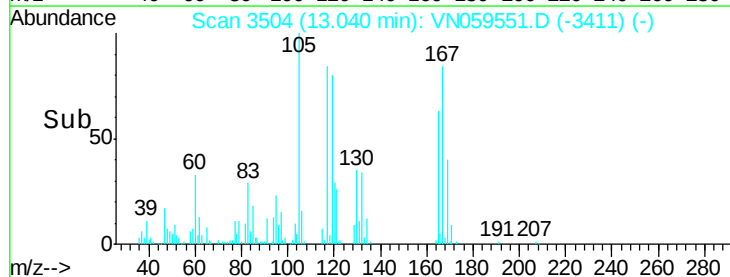
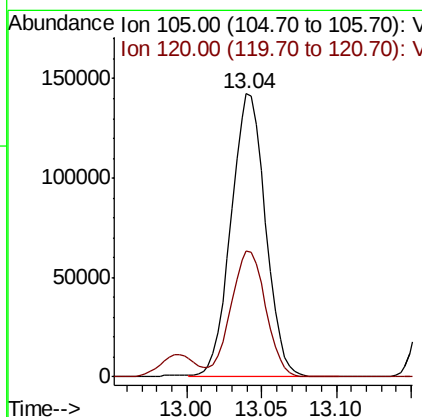
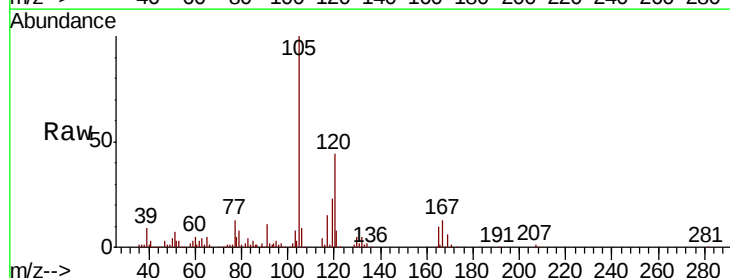
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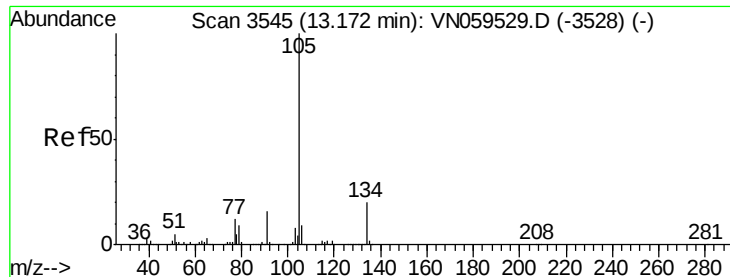
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#84
1,2,4-Trimethylbenzene
Concen: 19.727 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.8	68.3





#85

sec-Butylbenzene

Concen: 19.757 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Instrument :

MSVOA_N

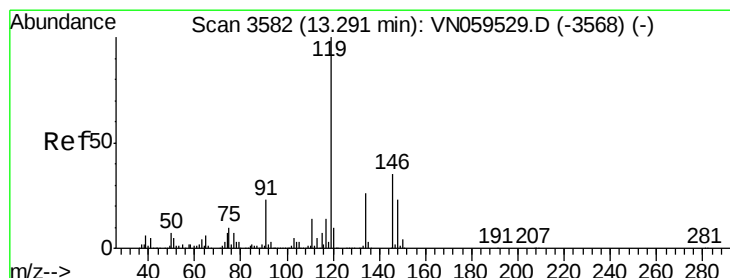
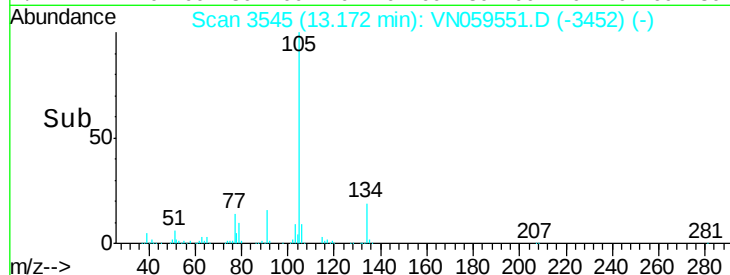
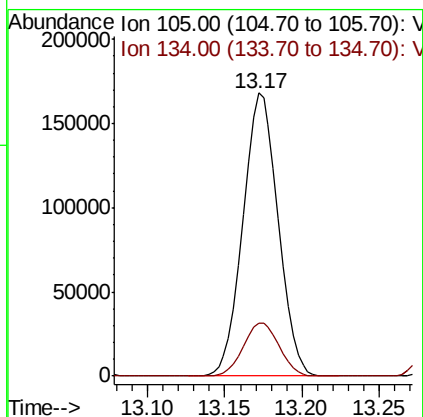
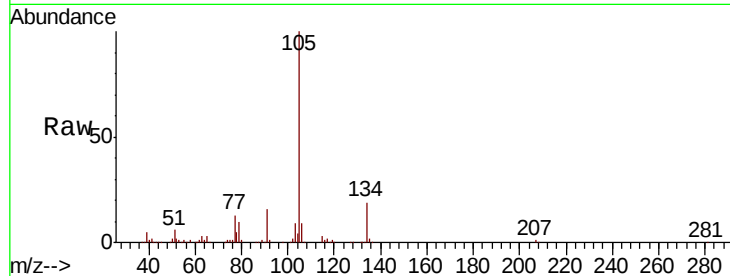
ClientSampleId :

VN1210WBSD01

Tot Ion:	105	Resp:	265718
Ion Ratio	Lower	Upper	
105	100		
134	19.3	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 20.039 ug/l

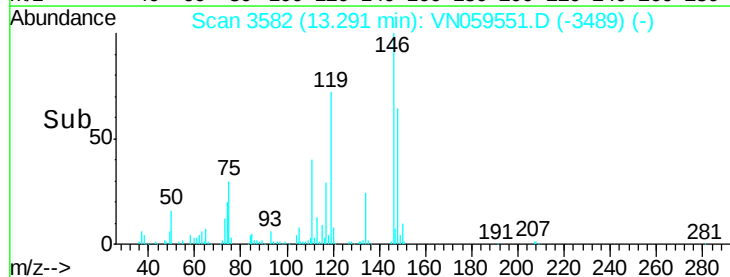
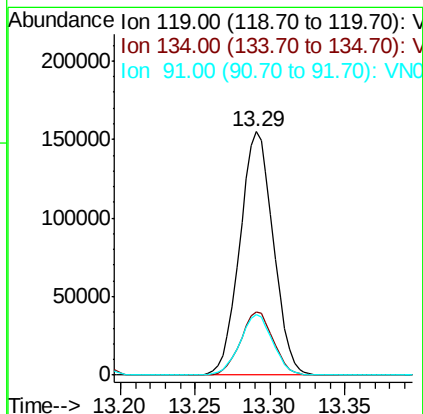
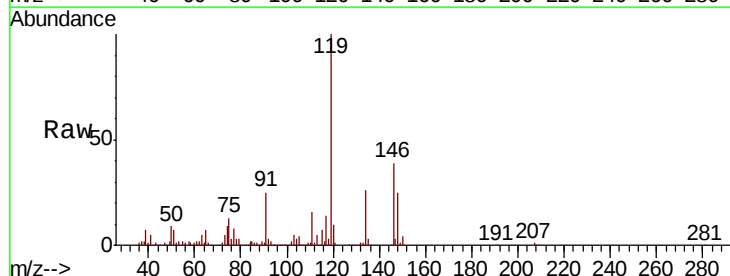
RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion:	119	Resp:	240883
Ion Ratio	Lower	Upper	
119	100		
134	25.6	13.0	39.0
91	24.5	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 19.069 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059551.D

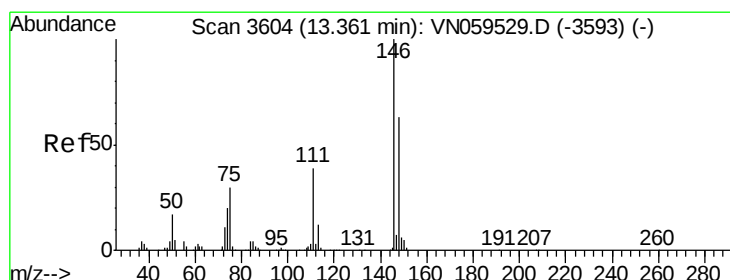
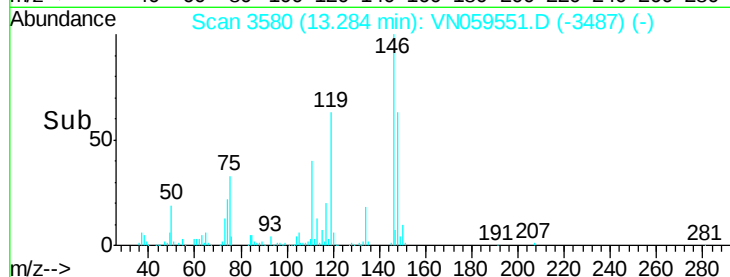
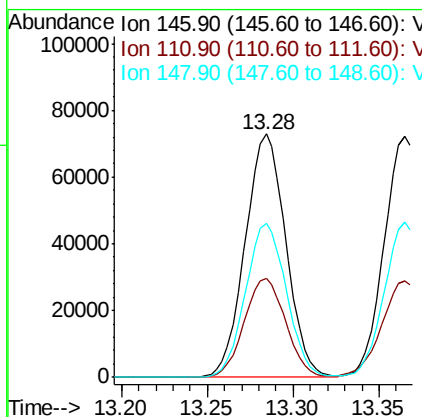
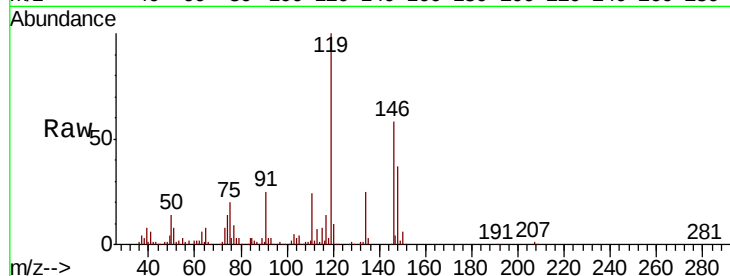
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119735		
111	41.3	20.6	61.8	
148	63.5	32.0	96.0	

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#88

1,4-Dichlorobenzene

Concen: 19.318 ug/l

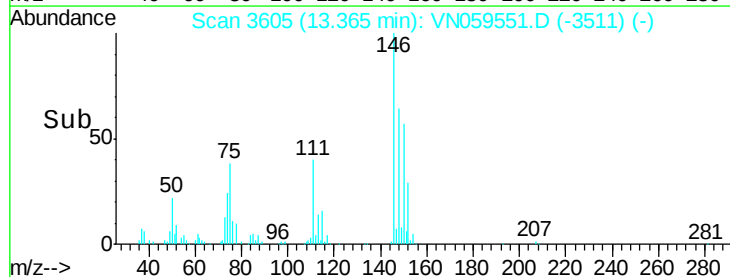
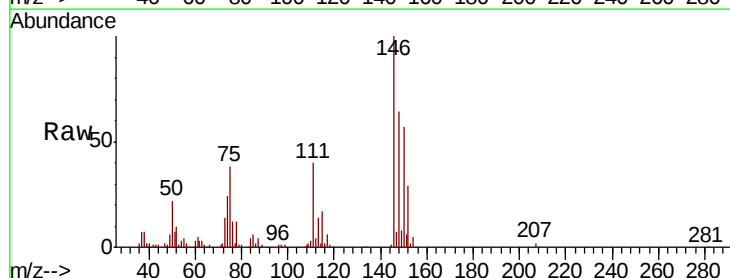
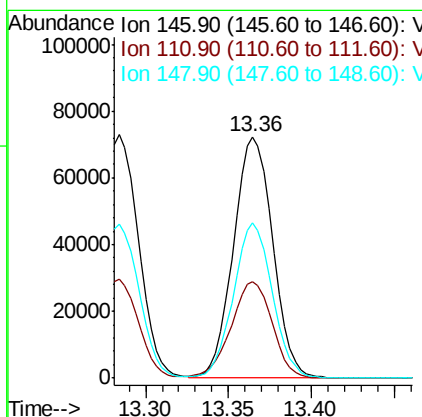
RT: 13.36 min Scan# 3605

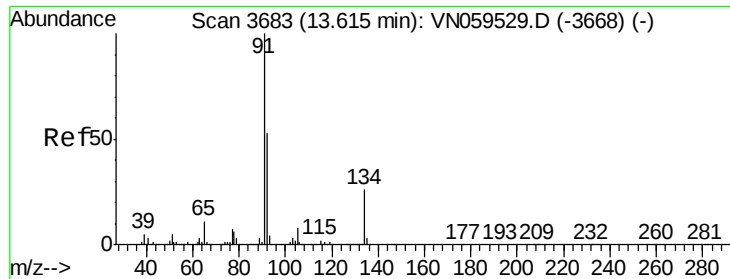
Delta R.T. 0.00 min

Lab File: VN059551.D

Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118770		
111	42.1	20.0	59.9	
148	64.0	31.9	95.7	





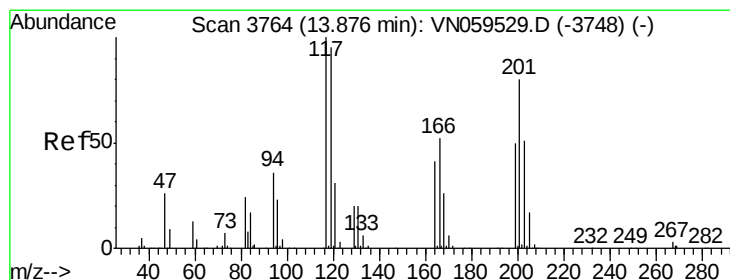
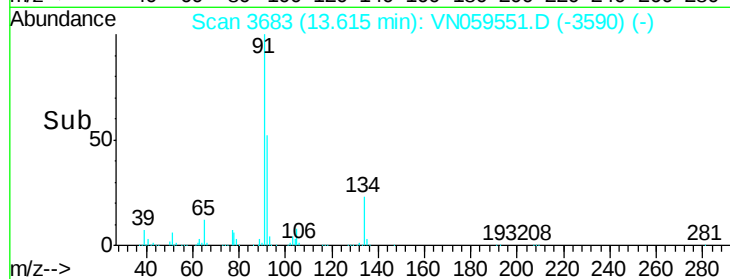
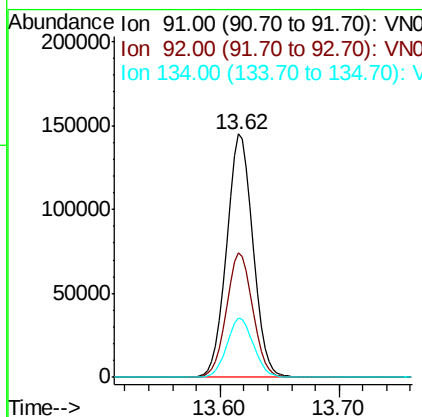
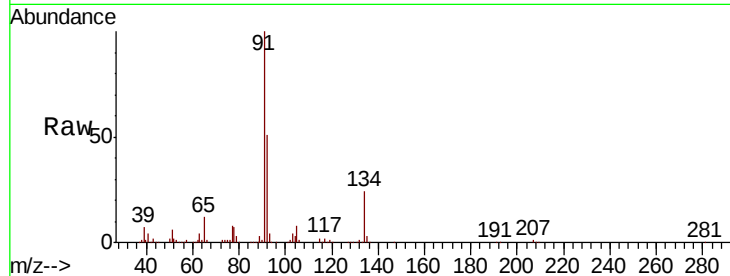
#89
n-Butylbenzene
Concen: 19.693 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.3	78.9
134	24.5	12.8	38.4

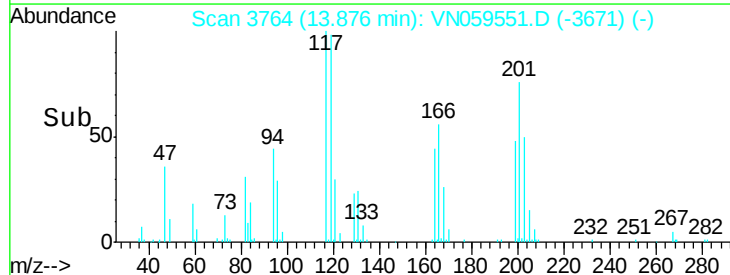
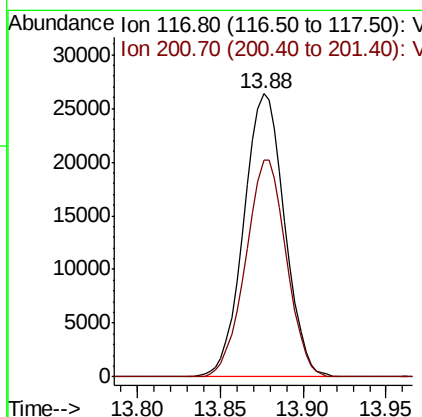
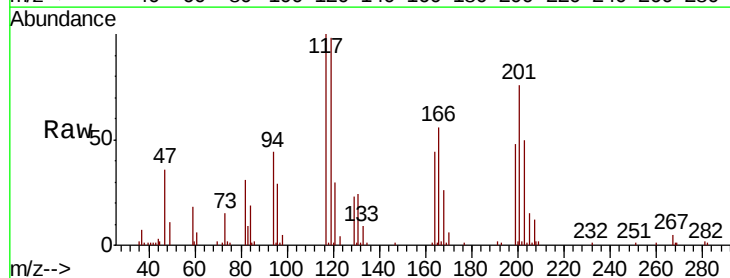
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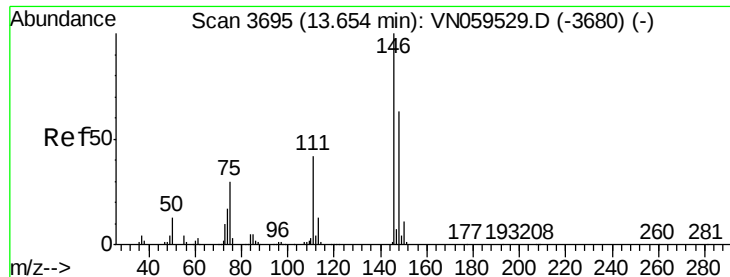
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#90
Hexachloroethane
Concen: 20.483 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	40.5	121.5





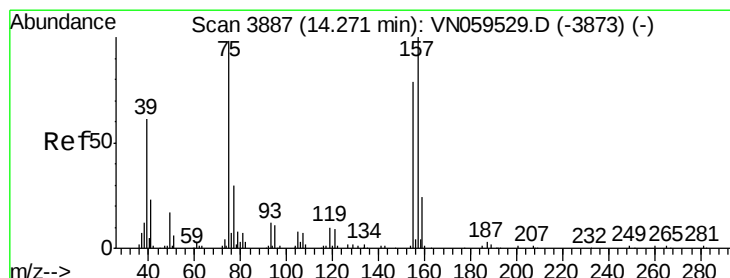
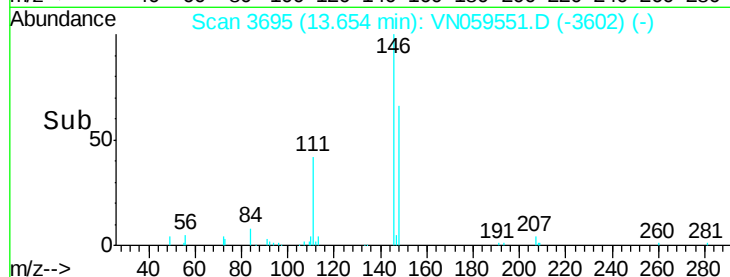
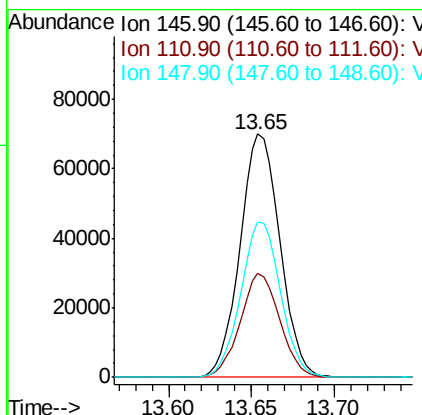
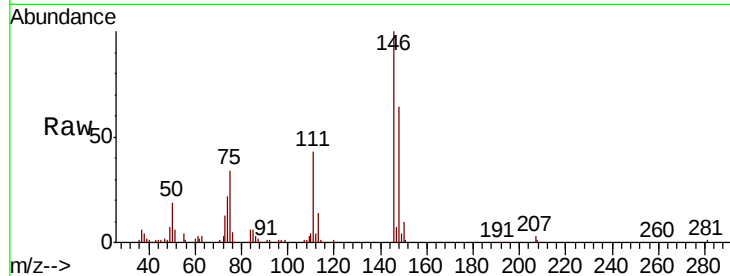
#91
 1,2-Dichlorobenzene
 Concen: 19.892 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.7
148	63.7	31.6	94.8

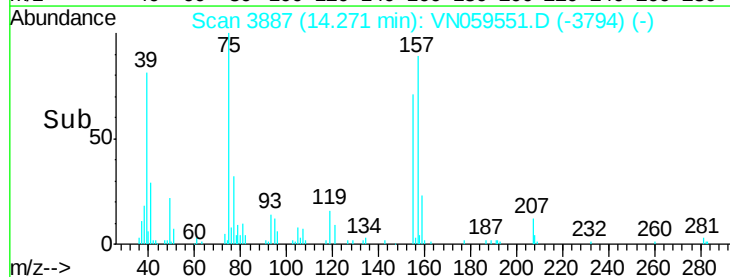
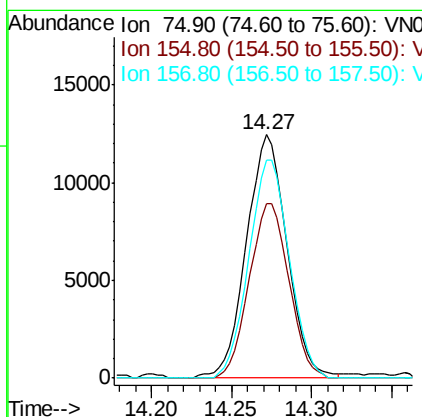
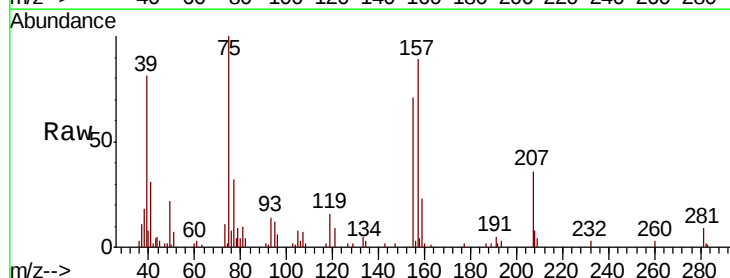
Manual Integrations
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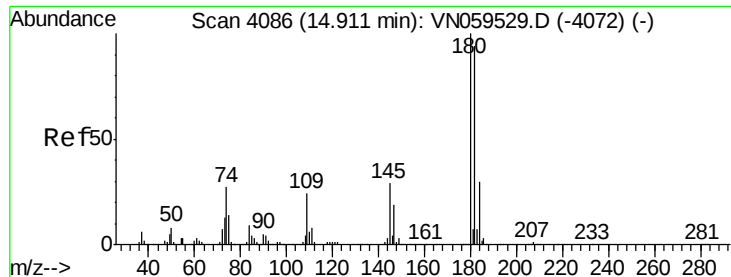
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.559 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	40.4	121.1
157	89.0	51.1	153.3





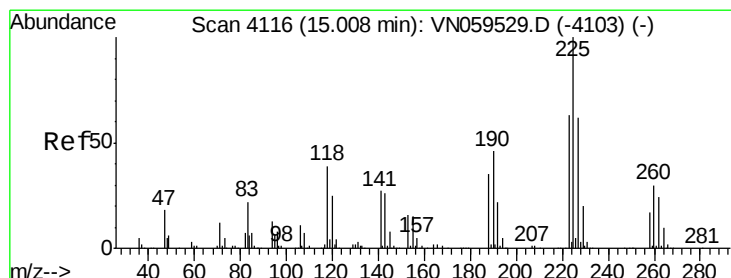
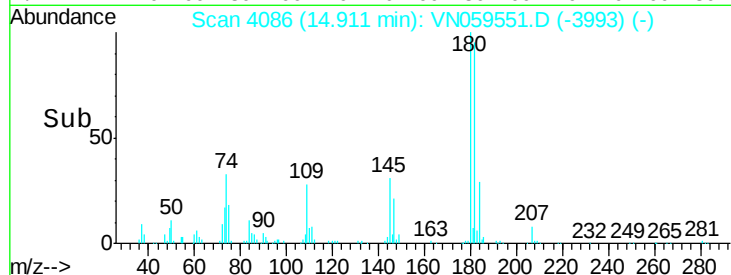
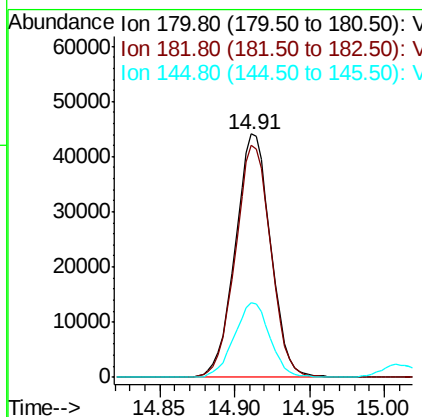
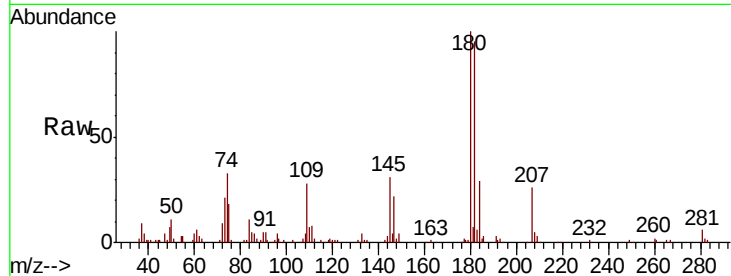
#93
 1,2,4-Trichlorobenzene
 Concen: 17.759 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	31.0	14.9	44.7

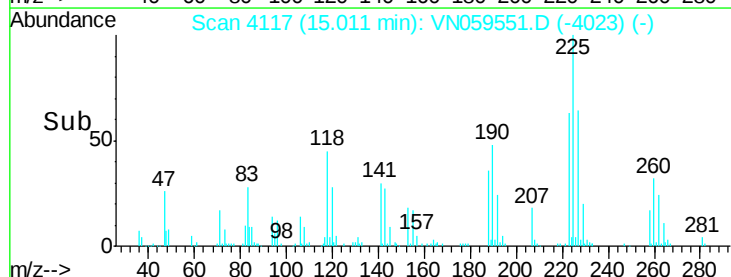
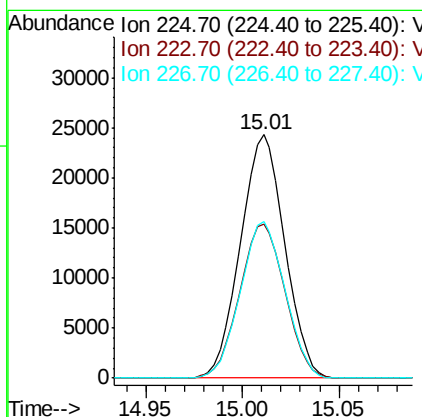
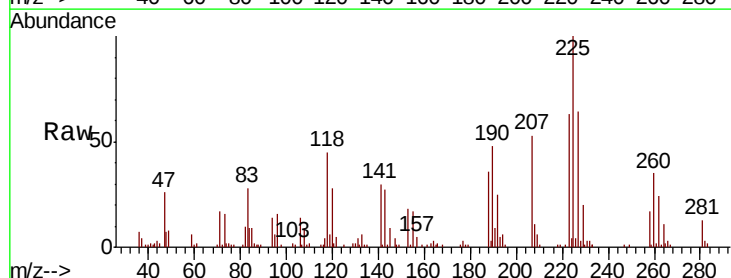
Manual Integrations
 APPROVED

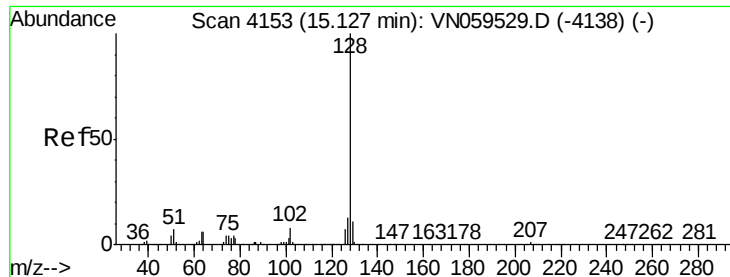
apatel
 12/11/2019 2:16:00 PM



#94
 Hexachlorobutadiene
 Concen: 18.588 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059551.D
 Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.3	93.9
227	64.7	31.6	95.0





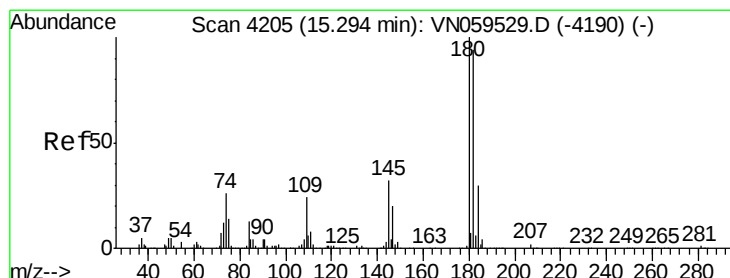
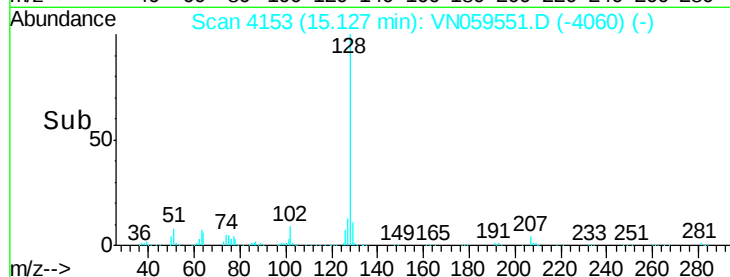
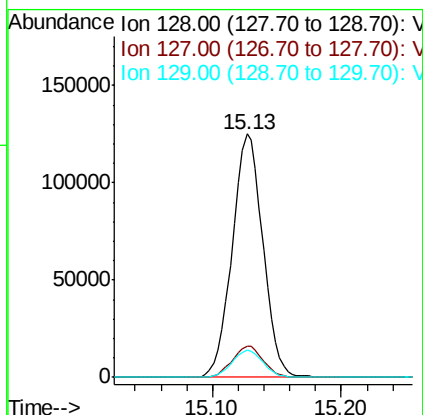
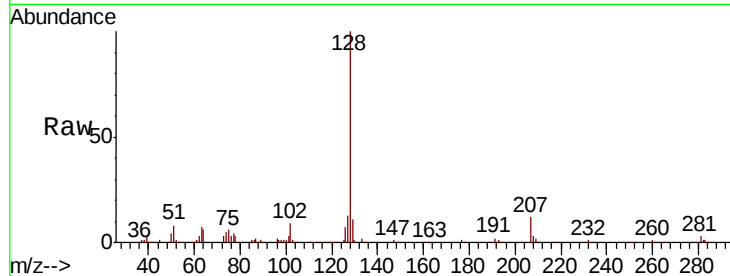
#95
Naphthalene
Concen: 17.339 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.2	8.6	13.0

Manual Integrations
APPROVED

apatel
12/11/2019 2:16:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.190 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059551.D
Acq: 10 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.4
145	33.0	15.8	47.4

