

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091519\
 Data File : VN058079.D
 Acq On : 15 Sep 2019 9:45
 Operator : JC/SP
 Sample : VN0915WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 1:56:09 PM

Quant Time: Sep 16 03:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	336000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	535072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	351656	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.58	113	250277	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.09	98	991359	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.40	95	347908	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95282	20.505	ug/l	99
3) Chloromethane	2.04	50	82096	17.334	ug/l	99
4) Vinyl Chloride	2.17	62	83087	16.576	ug/l	98
5) Bromomethane	2.55	94	45883	15.611	ug/l	98
6) Chloroethane	2.69	64	54711	17.129	ug/l	99
7) Trichlorofluoromethane	3.00	101	116099	18.405	ug/l	100
8) Diethyl Ether	3.39	74	51835	19.702	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86578	21.757	ug/l	98
10) Methyl Iodide	3.93	142	77773	17.564	ug/l	97
11) Tert butyl alcohol	4.76	59	81183	98.562	ug/l	99
12) 1,1-Dichloroethene	3.72	96	68321	19.096	ug/l	96
13) Acrolein	3.58	56	27307	39.077	ug/l	99
14) Allyl chloride	4.30	41	122479	17.493	ug/l	92
15) Acrylonitrile	4.96	53	239867	105.951	ug/l	99
16) Acetone	3.80	43	222034	99.525	ug/l	99
17) Carbon Disulfide	4.03	76	93396	16.878	ug/l	99
18) Methyl Acetate	4.30	43	136016	22.866	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	316619	21.265	ug/l	98
20) Methylene Chloride	4.53	84	94432	21.534	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	75318	19.474	ug/l	97
22) Diisopropyl ether	5.93	45	355040	21.623	ug/l	97
23) Vinyl Acetate	5.87	43	1248354	107.277	ug/l	99
24) 1,1-Dichloroethane	5.83	63	189742	21.144	ug/l	100
25) 2-Butanone	6.82	43	333586	103.311	ug/l	100
26) 2,2-Dichloropropane	6.81	77	145363	20.469	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	105974	20.446	ug/l	97
28) Bromochloromethane	7.18	49	93719	20.904	ug/l	96
29) Tetrahydrofuran	7.19	42	202563	101.806	ug/l	99
30) Chloroform	7.36	83	198875	21.195	ug/l	98
31) Cyclohexane	7.64	56	130224	19.951	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	151480	20.356	ug/l	98
36) 1,1-Dichloropropene	7.78	75	124092	19.997	ug/l	100
37) Ethyl Acetate	6.91	43	135168	21.083	ug/l	98
38) Carbon Tetrachloride	7.76	117	120668	21.299	ug/l	97

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Quant Time: Sep 16 03:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	127286	19.512	ug/l	98
40) Benzene	8.03	78	384818	20.598	ug/l	98
41) Methacrylonitrile	7.16	41	62565	21.498	ug/l #	72
42) 1,2-Dichloroethane	8.11	62	161482	21.612	ug/l	100
43) Isopropyl Acetate	8.15	43	248033	23.005	ug/l	97
44) Trichloroethene	8.82	130	94472	20.617	ug/l	96
45) 1,2-Dichloropropane	9.11	63	118593	21.815	ug/l	97
46) Dibromomethane	9.20	93	71102	21.644	ug/l	97
47) Bromodichloromethane	9.39	83	143933	21.941	ug/l	96
48) Methyl methacrylate	9.19	41	110582	20.219	ug/l	98
49) 1,4-Dioxane	9.19	88	36251	391.947	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	713298	111.796	ug/l	99
52) Toluene	10.15	92	245274	20.845	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	144094	20.859	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	163408	21.425	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	107987	21.665	ug/l	97
56) Ethyl methacrylate	10.43	69	152503	20.318	ug/l	98
57) 1,3-Dichloropropane	10.71	76	185345	21.577	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	339651	96.077	ug/l	98
59) 2-Hexanone	10.75	43	506258	105.860	ug/l	99
60) Dibromochloromethane	10.90	129	97012	20.960	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100510	21.330	ug/l	98
64) Tetrachloroethene	10.63	164	76771	20.565	ug/l	98
65) Chlorobenzene	11.43	112	278500	21.048	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	98122	21.371	ug/l	99
67) Ethyl Benzene	11.51	91	488916	21.084	ug/l	100
68) m/p-Xylenes	11.62	106	353694	41.640	ug/l	98
69) o-Xylene	11.95	106	180393	21.362	ug/l	99
70) Styrene	11.97	104	307501	21.159	ug/l	100
71) Bromoform	12.13	173	58076	20.289	ug/l #	97
73) Isopropylbenzene	12.25	105	501255	21.887	ug/l	99
74) N-amyl acetate	12.07	43	199418	20.008	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	160895	20.866	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	145533m	21.798	ug/l	
77) Bromobenzene	12.53	156	116334	20.374	ug/l	97
78) n-propylbenzene	12.59	91	586672	22.308	ug/l	100
79) 2-Chlorotoluene	12.68	91	347323	20.896	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	423752	21.899	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34022	17.932	ug/l	87
82) 4-Chlorotoluene	12.78	91	356666	20.896	ug/l	100
83) tert-Butylbenzene	13.00	119	367357	21.357	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	424426	21.581	ug/l	100
85) sec-Butylbenzene	13.18	105	498862	21.881	ug/l	100
86) p-Isopropyltoluene	13.29	119	446866	22.246	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	219505	20.944	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	218505	20.539	ug/l	98
89) n-Butylbenzene	13.62	91	409531	21.588	ug/l	99
90) Hexachloroethane	13.88	117	62610	20.958	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	220052	21.016	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26481	20.795	ug/l	96

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VN0915WBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	128479	18.773	ug/l	99
94) Hexachlorobutadiene	15.02	225	63658	21.943	ug/l	98
95) Naphthalene	15.13	128	337871	18.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	121663	20.955	ug/l	99

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

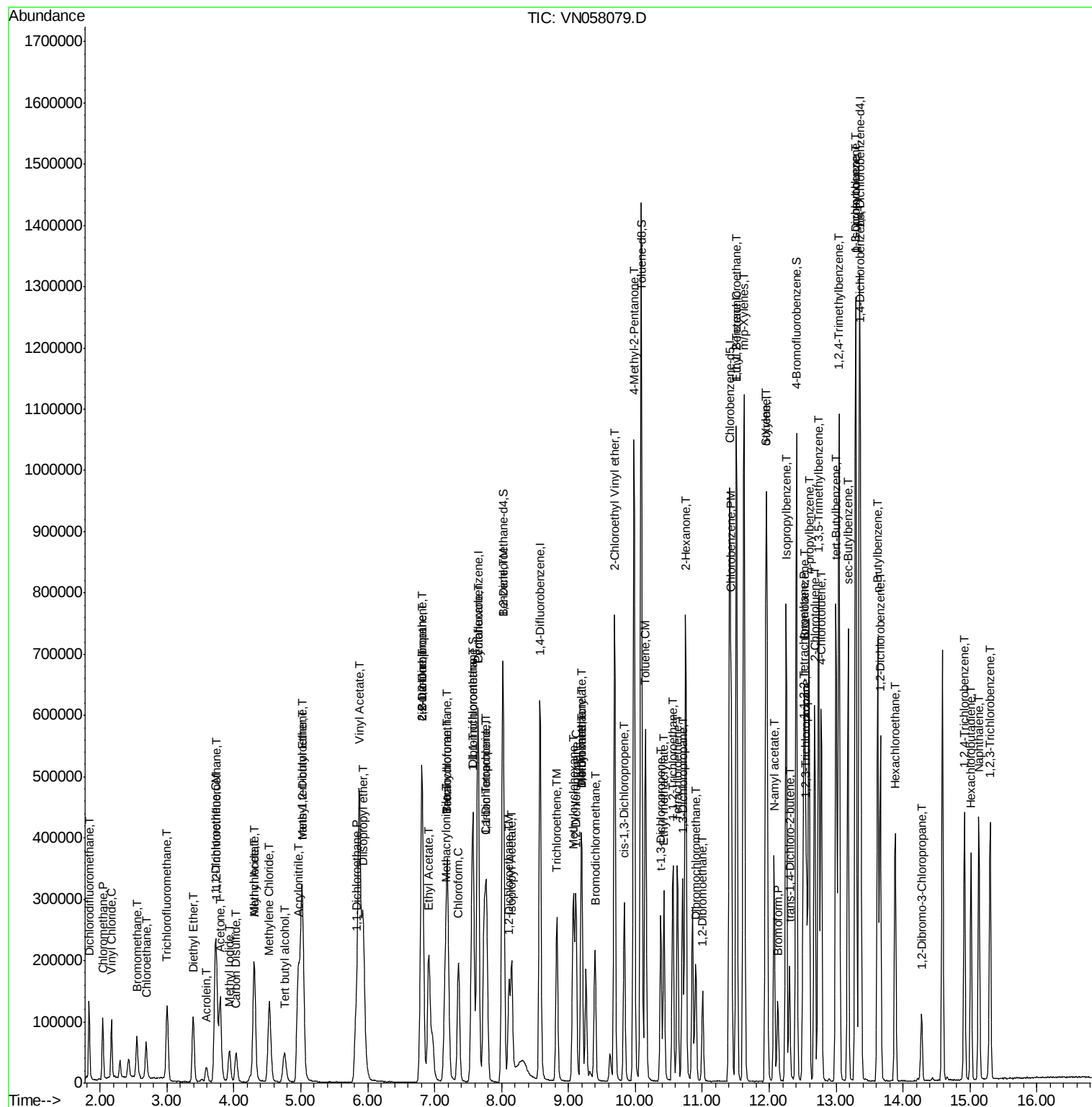
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091519\
 Data File : VN058079.D
 Acq On : 15 Sep 2019 9:45
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 Misc : 5.00mL/MSVOA_N/WATER
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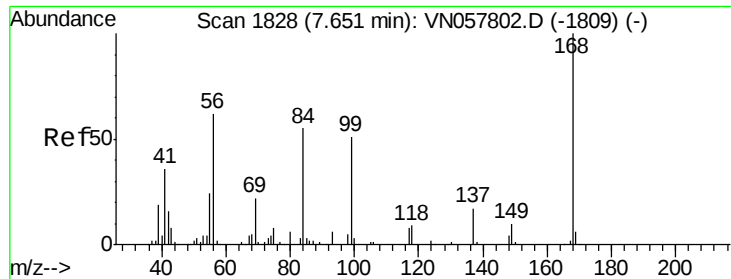
Instrument :
 MSVOA_N
 Client Sampled :
 VN0915WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 168 Resp: 336000

Ion Ratio Lower Upper

168 100

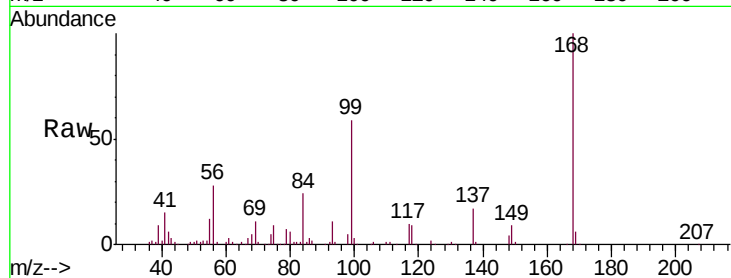
99 58.5 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

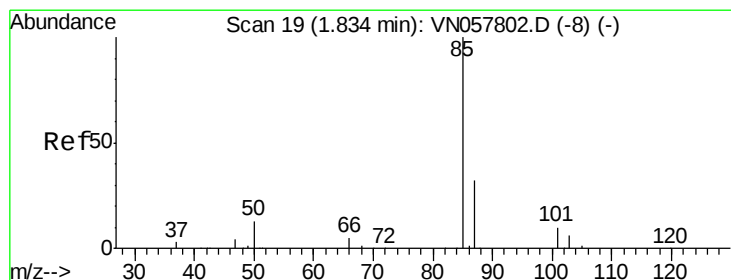
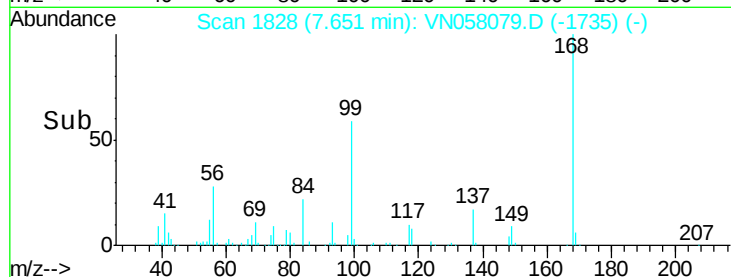
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.505 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058079.D

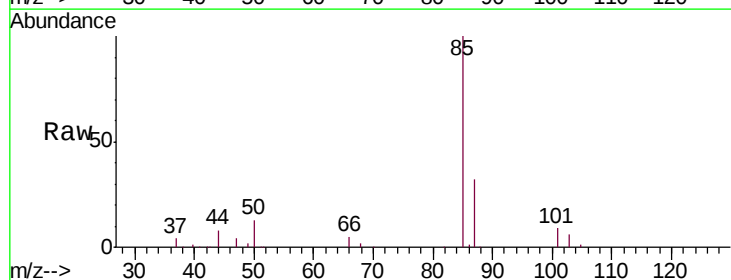
Acq: 15 Sep 2019 9:45

Tgt Ion: 85 Resp: 95282

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

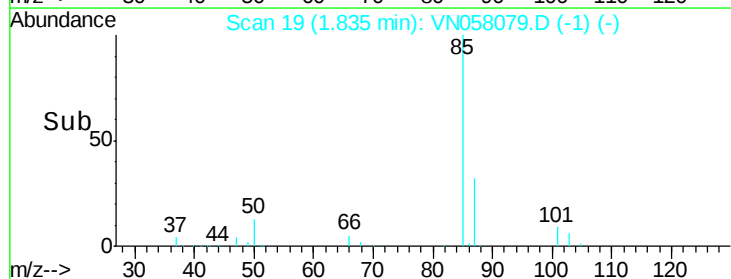
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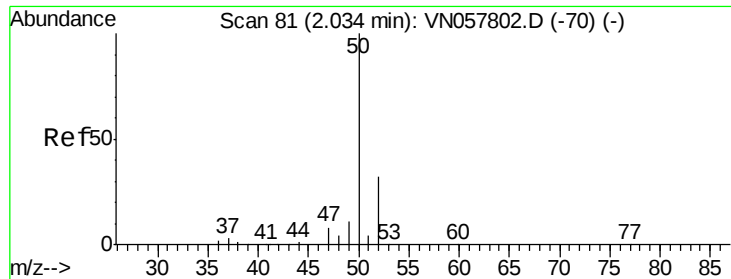
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.334 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 50 Resp: 82096

Ion Ratio Lower Upper

50 100

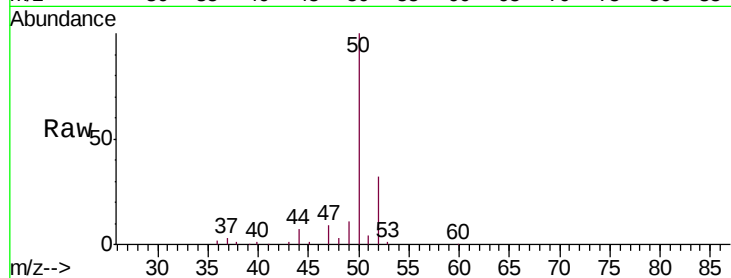
52 31.6 25.5 38.3

Manual Integrations

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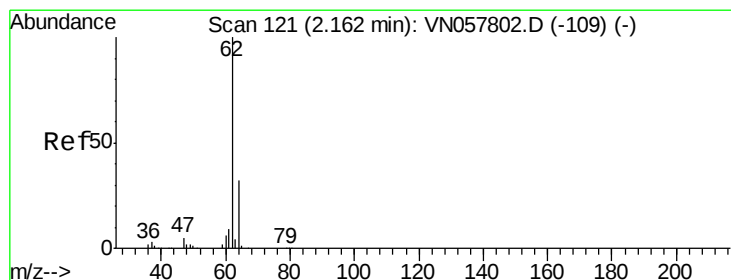
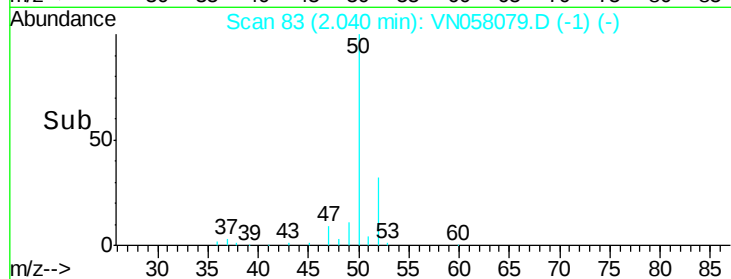
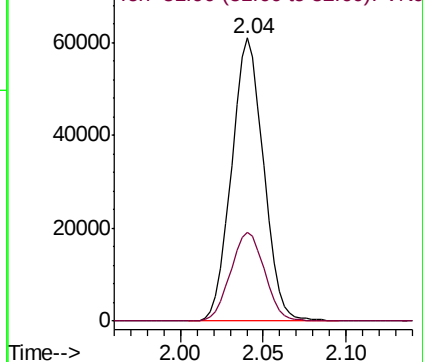
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 16.576 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.01 min

Lab File: VN058079.D

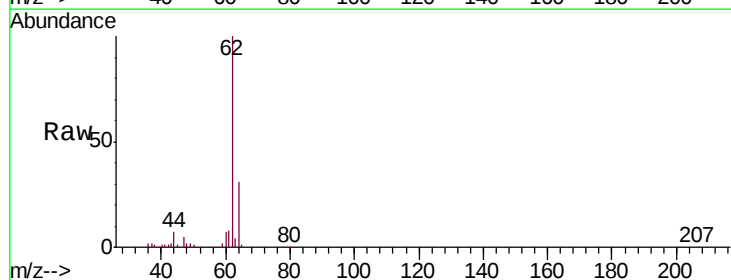
Acq: 15 Sep 2019 9:45

Tgt Ion: 62 Resp: 83087

Ion Ratio Lower Upper

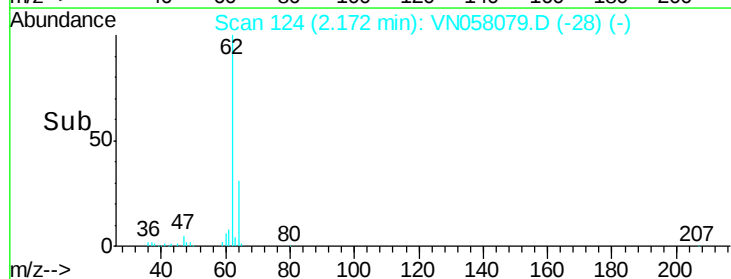
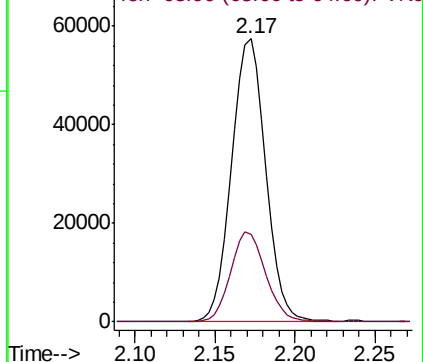
62 100

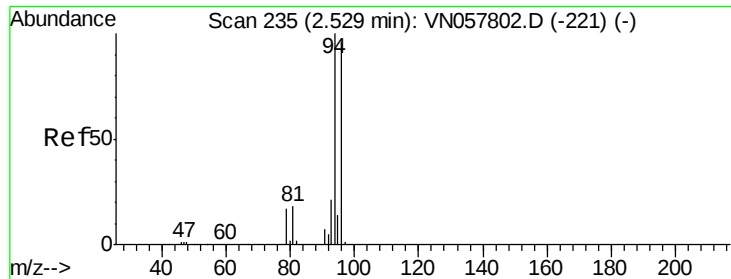
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 15.611 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampled :

VN0915WBS01

Tgt Ion: 94 Resp: 45883

Ion Ratio Lower Upper

94 100

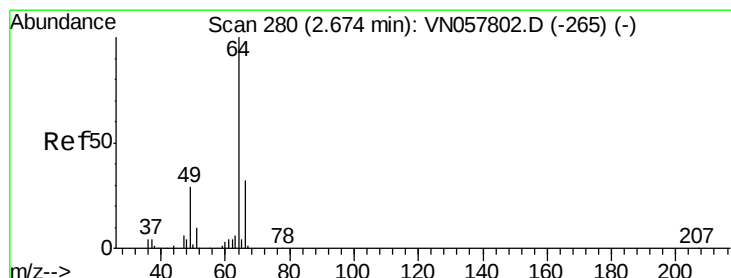
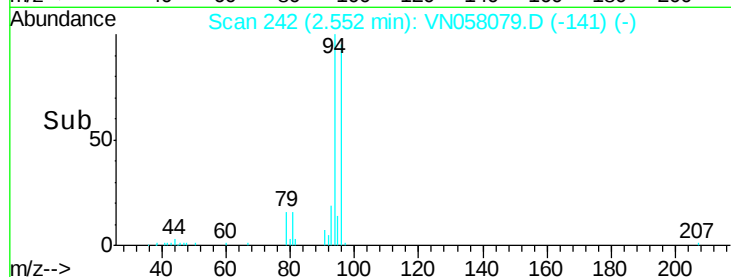
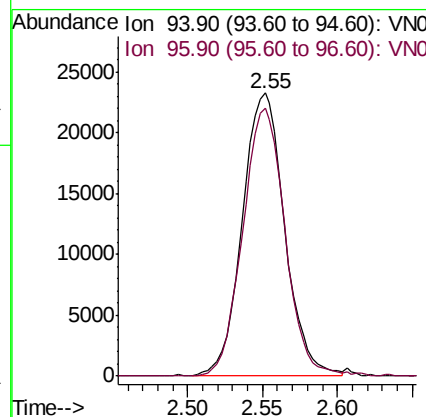
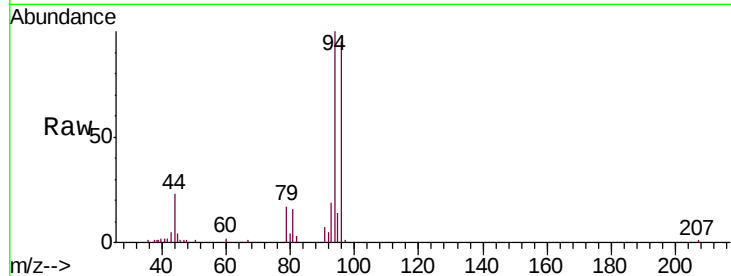
96 94.7 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 17.129 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.02 min

Lab File: VN058079.D

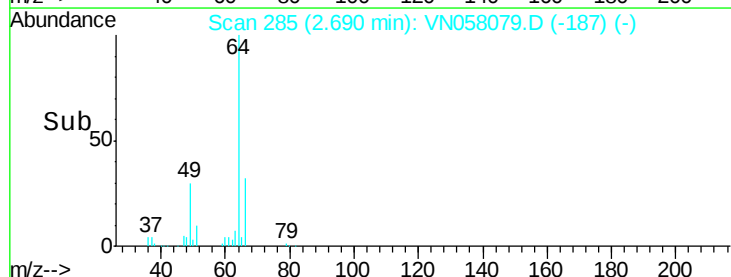
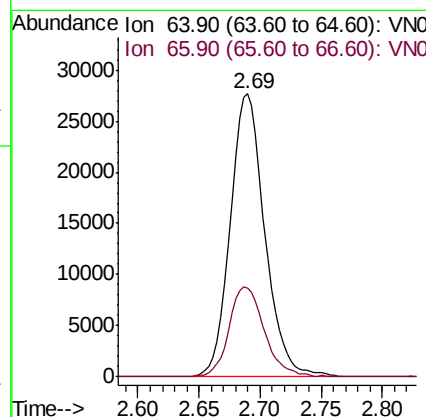
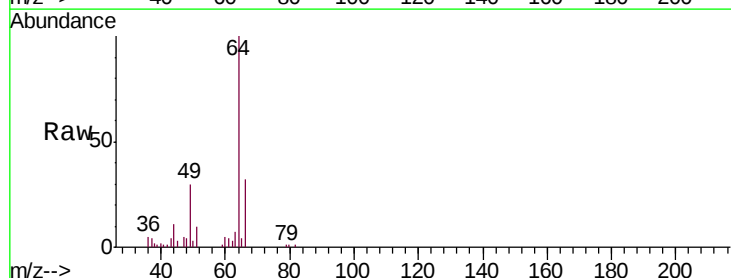
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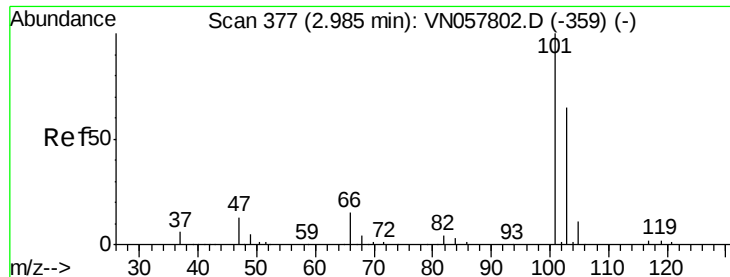
Tgt Ion: 64 Resp: 54711

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

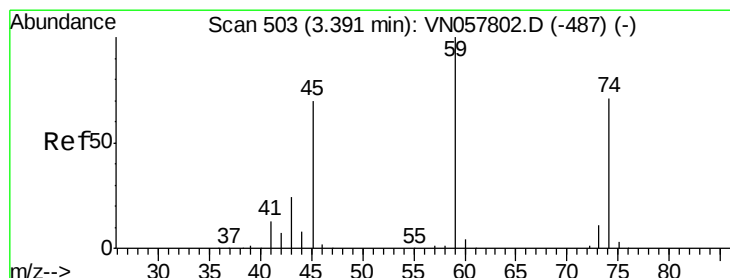
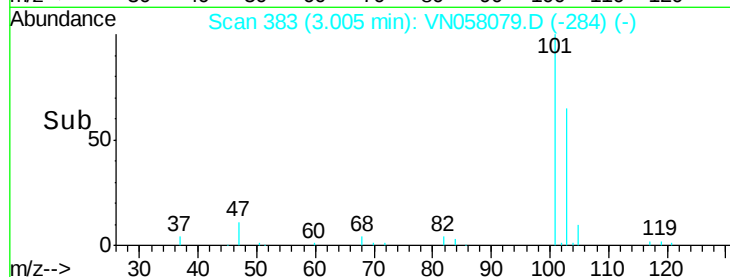
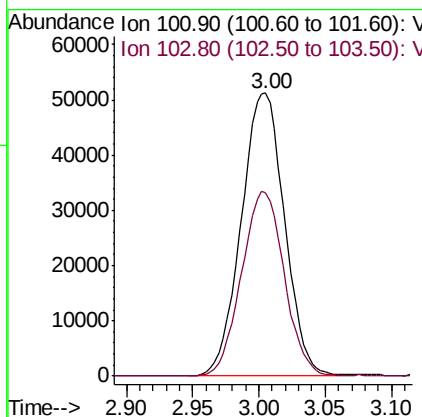
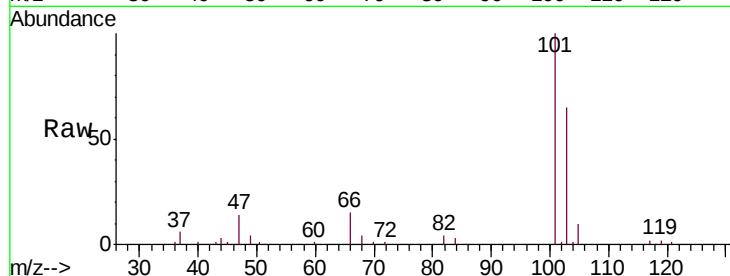
Trichlorofluoromethane
Concen: 18.405 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.02 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion:101 Resp: 116099
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9

Manual Integrations
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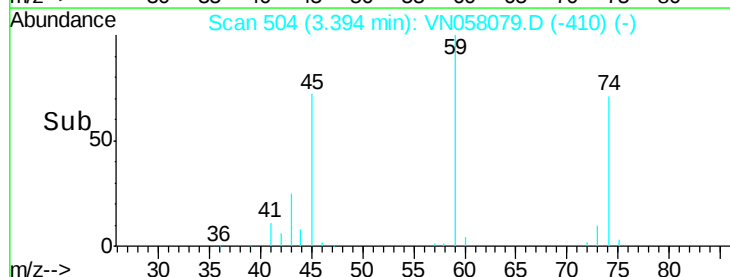
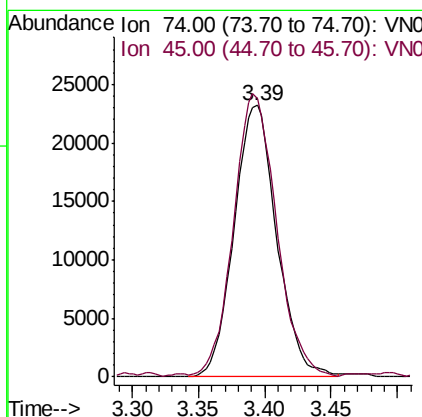
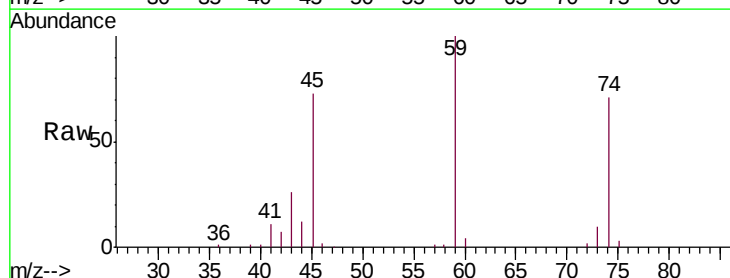
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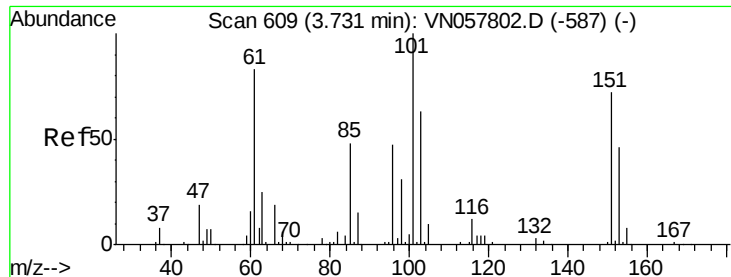


#8

Diethyl Ether
Concen: 19.702 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion: 74 Resp: 51835
Ion Ratio Lower Upper
74 100
45 105.5 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.757 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058079.D

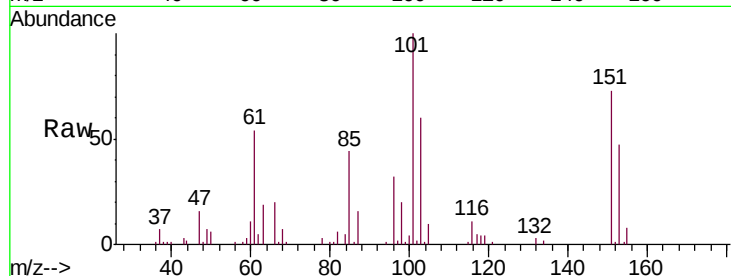
Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

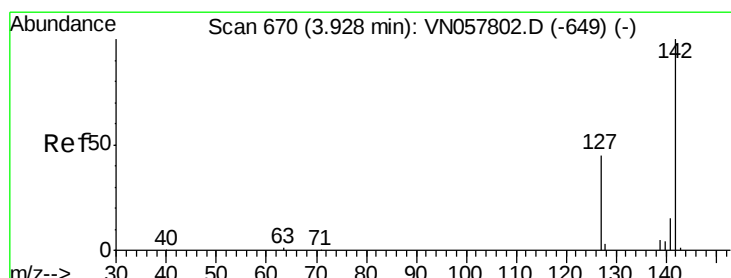
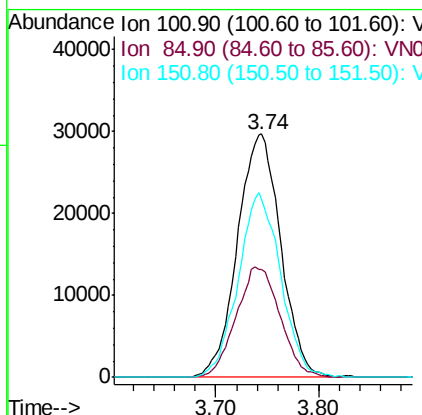
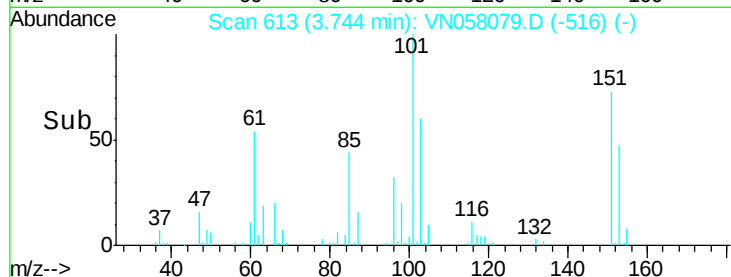
VN0915WBS01



Tgt Ion:	101	Resp:	86578
Ion Ratio	Lower	Upper	
101	100		
85	46.0	38.1	57.1
151	74.3	58.4	87.6

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#10

Methyl Iodide

Concen: 17.564 ug/l

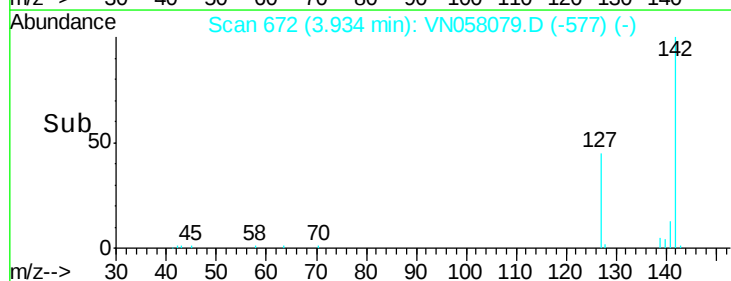
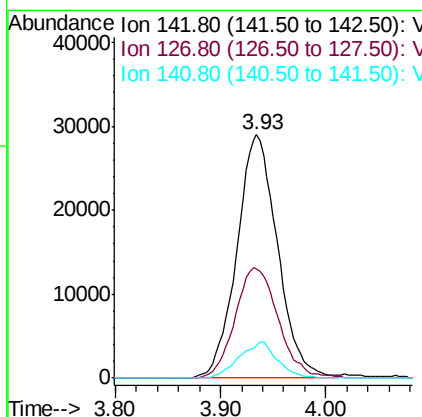
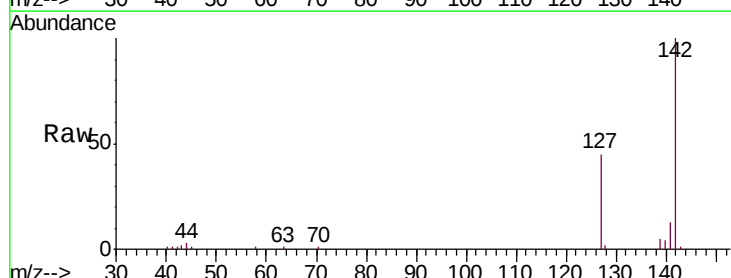
RT: 3.93 min Scan# 672

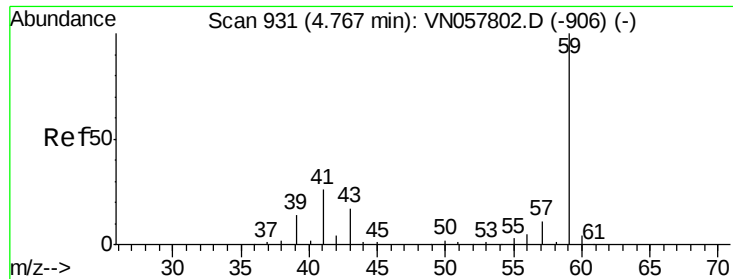
Delta R.T. 0.01 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion:	142	Resp:	77773
Ion Ratio	Lower	Upper	
142	100		
127	48.1	36.7	55.1
141	13.9	11.4	17.0





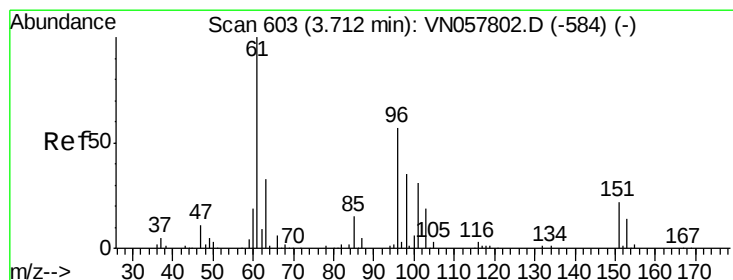
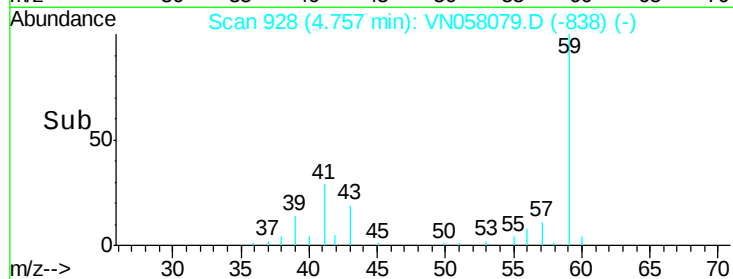
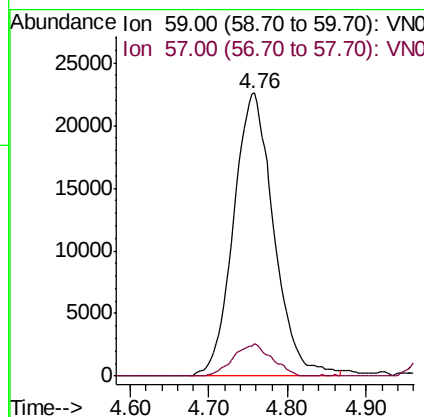
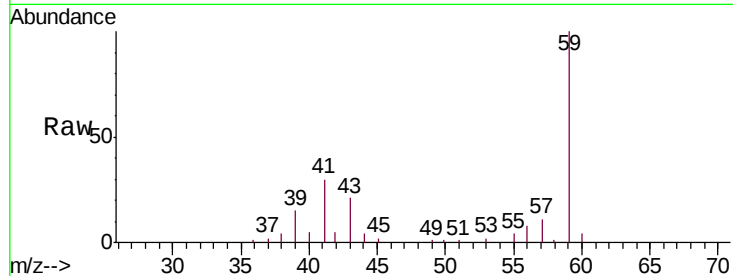
#11
Tert butyl alcohol
Concen: 98.562 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion: 59 Resp: 81183
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

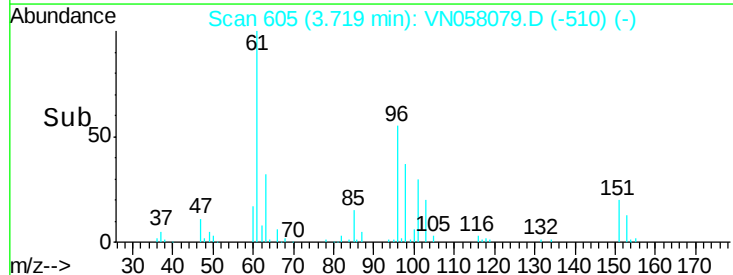
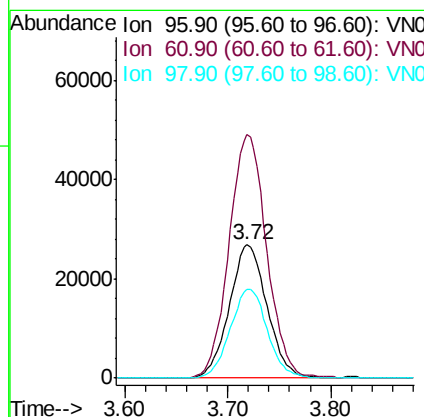
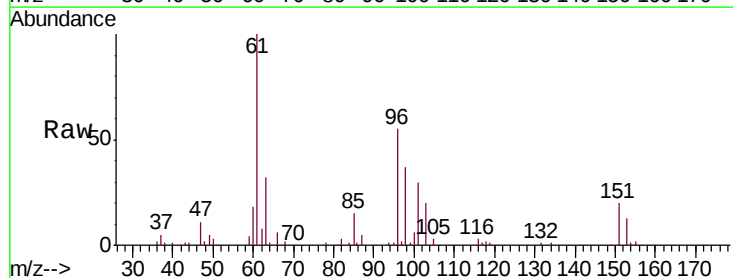
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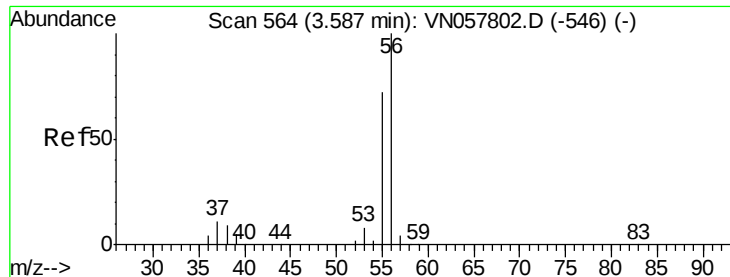
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.096 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion: 96 Resp: 68321
Ion Ratio Lower Upper
96 100
61 181.9 141.2 211.8
98 66.9 49.9 74.9





#13

Acrolein

Concen: 39.077 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 56 Resp: 27307

Ion Ratio Lower Upper

56 100

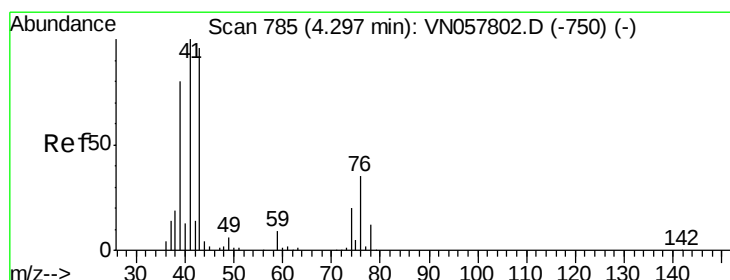
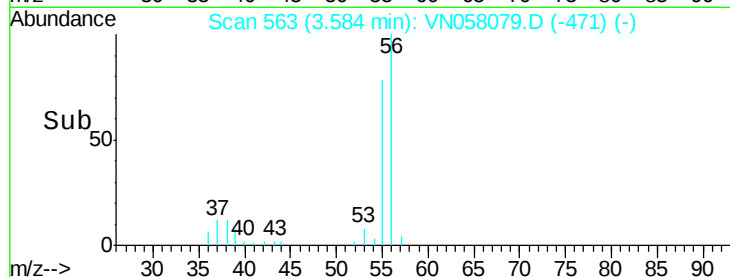
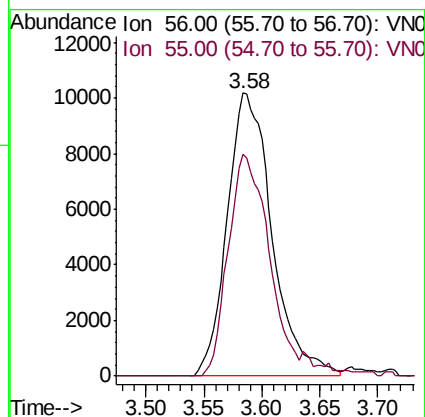
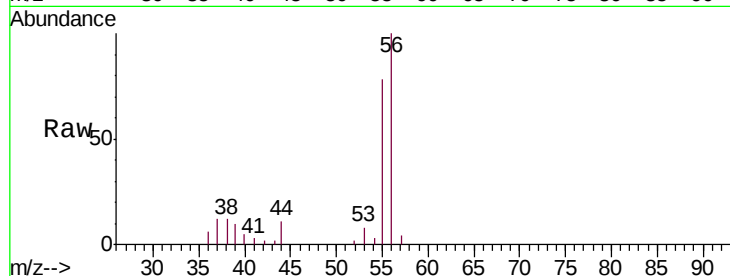
55 70.7 57.3 85.9

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#14

Allyl chloride

Concen: 17.493 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

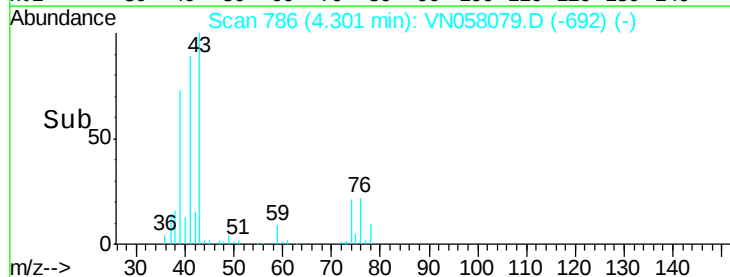
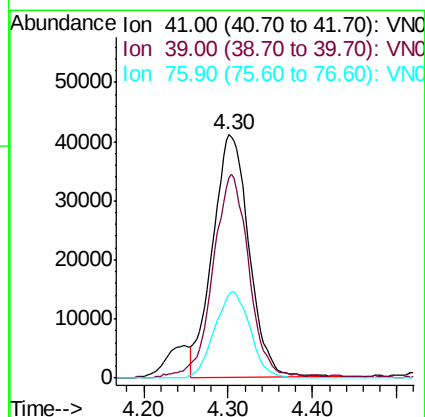
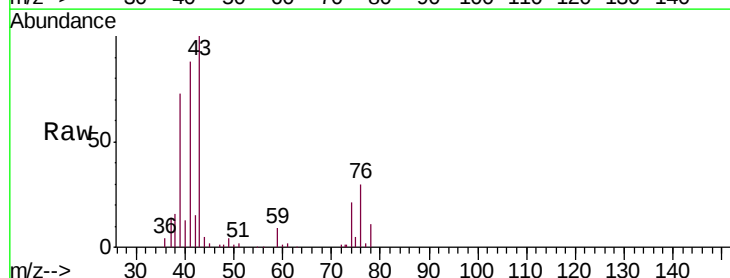
Tgt Ion: 41 Resp: 122479

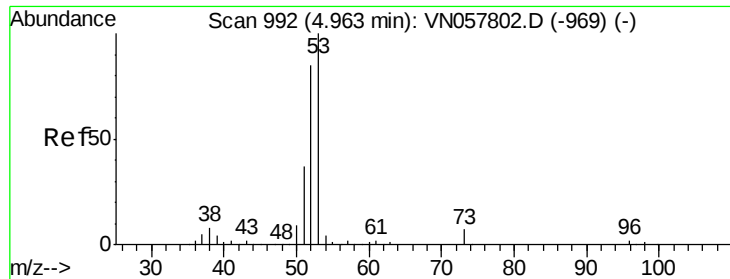
Ion Ratio Lower Upper

41 100

39 83.0 59.4 89.2

76 35.0 26.0 39.0





#15

Acrylonitrile

Concen: 105.951 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 53 Resp: 239867
Ion Ratio Lower Upper

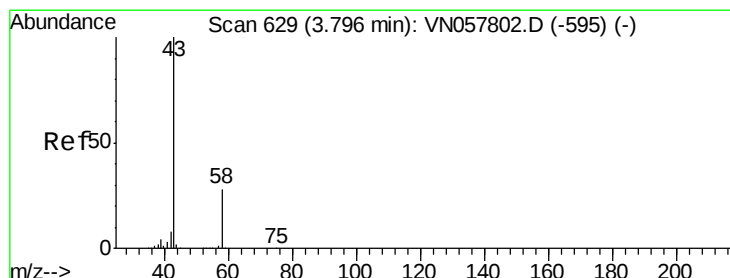
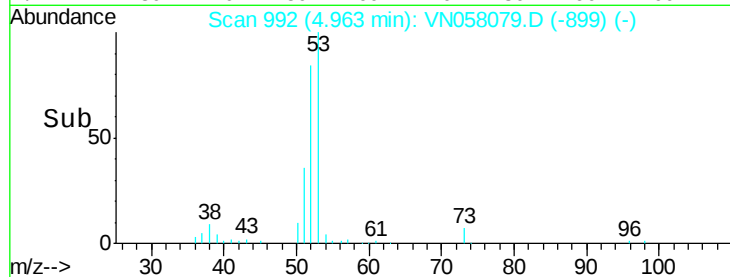
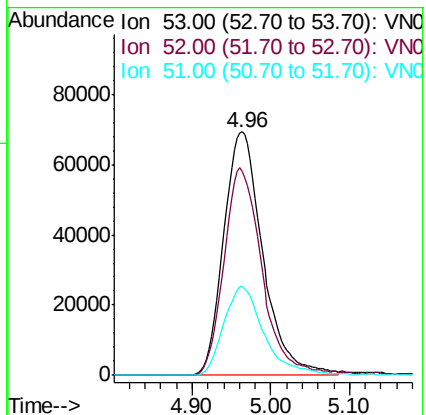
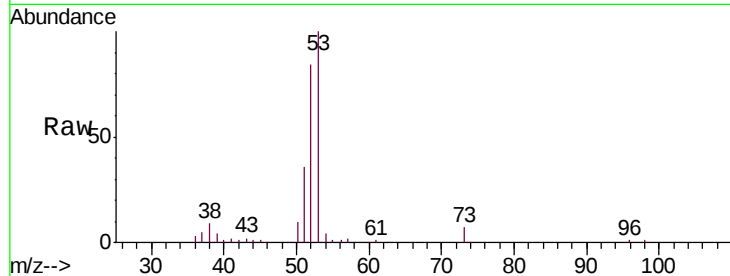
53 100

52 82.3 66.6 100.0

51 37.4 29.8 44.8

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#16

Acetone

Concen: 99.525 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

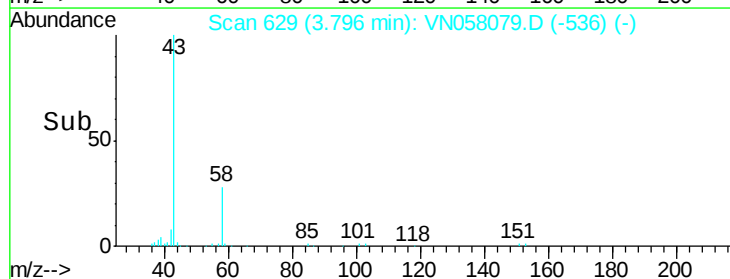
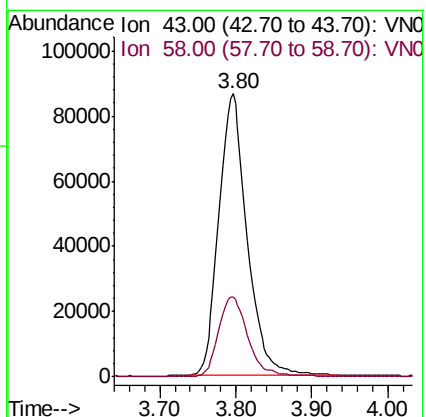
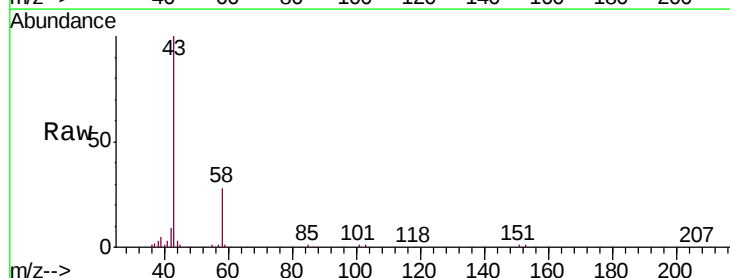
Lab File: VN058079.D

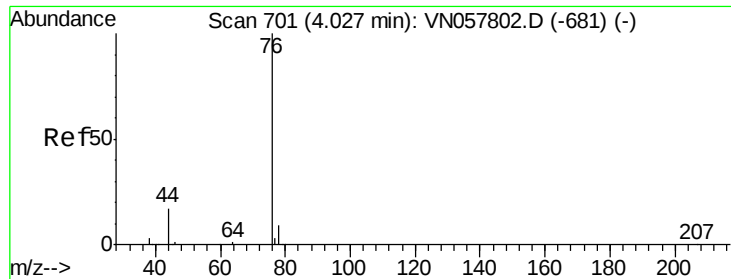
Acq: 15 Sep 2019 9:45

Tgt Ion: 43 Resp: 222034
Ion Ratio Lower Upper

43 100

58 28.3 22.2 33.2





#17

Carbon Disulfide

Concen: 16.878 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 76 Resp: 93396

Ion Ratio Lower Upper

76 100

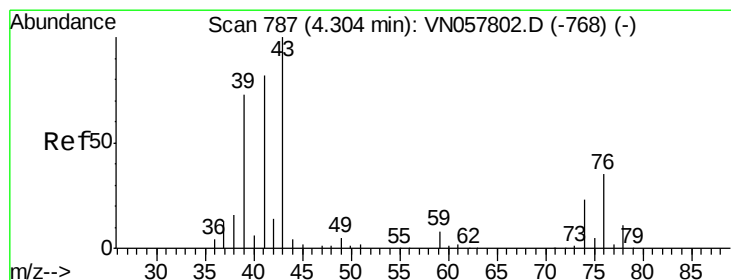
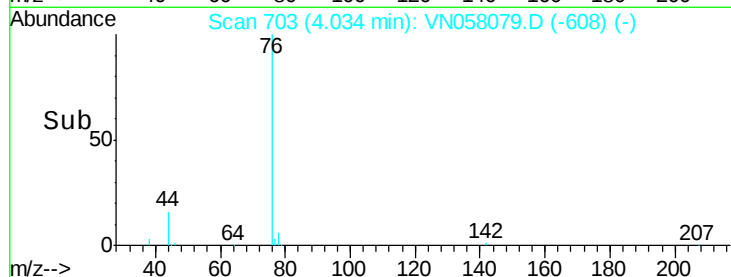
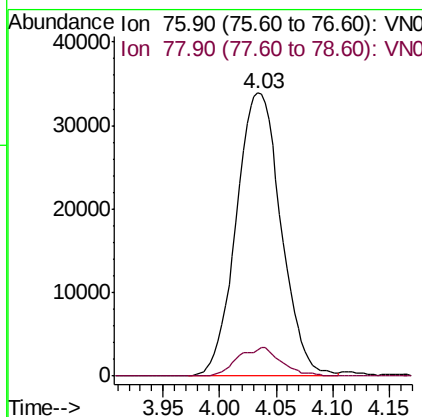
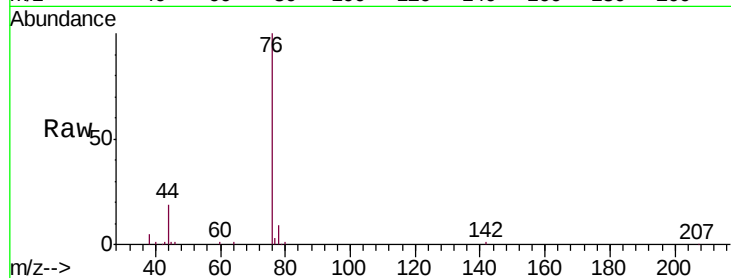
78 9.1 7.1 10.7

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#18

Methyl Acetate

Concen: 22.866 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058079.D

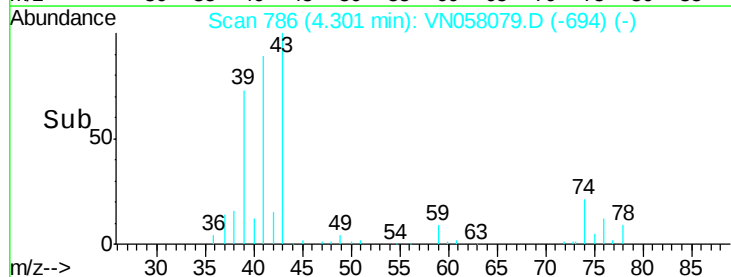
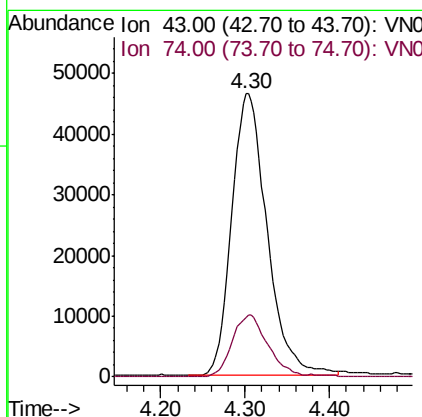
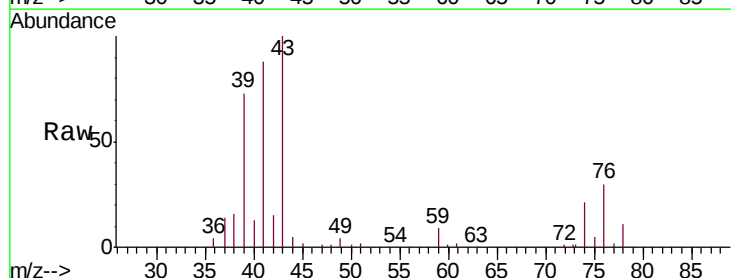
Acq: 15 Sep 2019 9:45

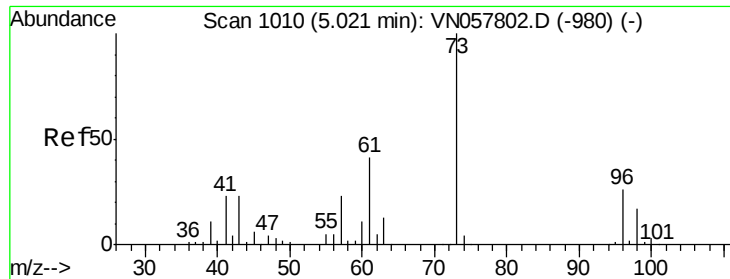
Tgt Ion: 43 Resp: 136016

Ion Ratio Lower Upper

43 100

74 21.9 17.9 26.9





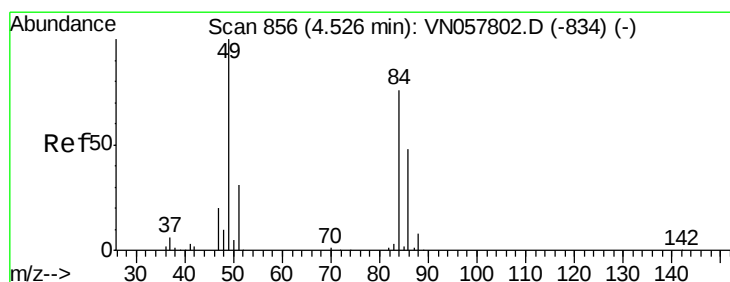
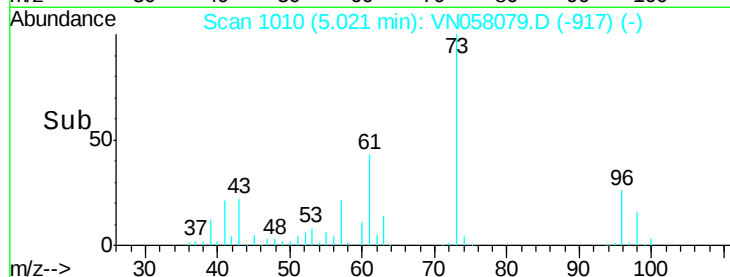
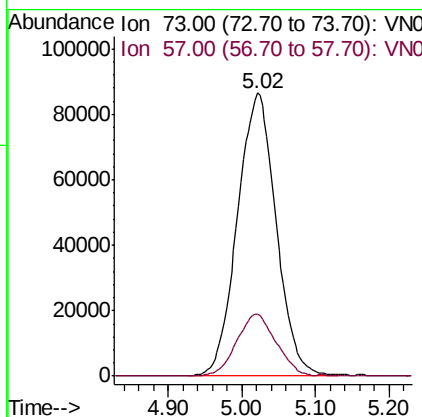
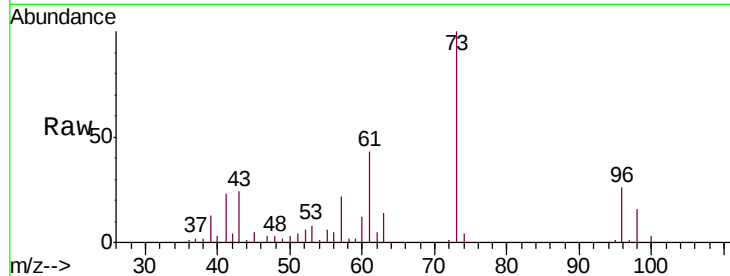
#19
Methyl tert-butyl Ether
Concen: 21.265 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion: 73 Resp: 316619
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2

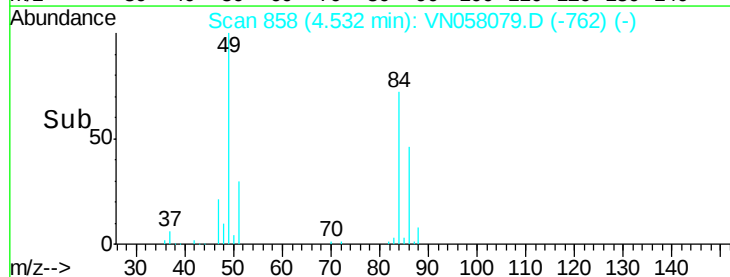
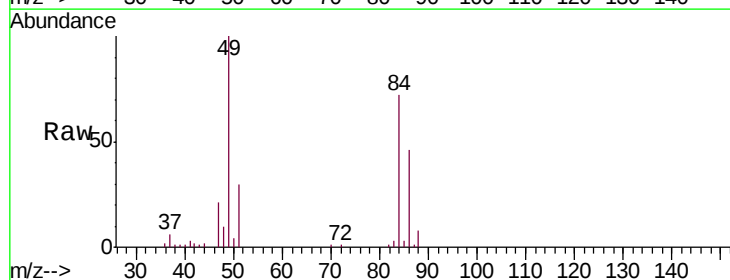
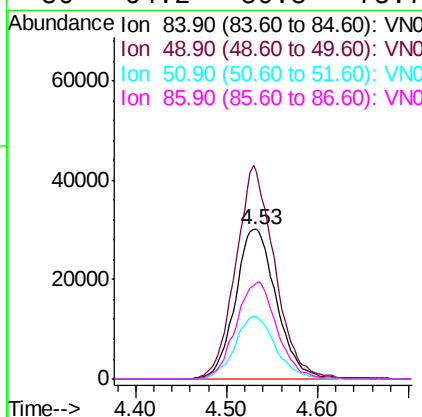
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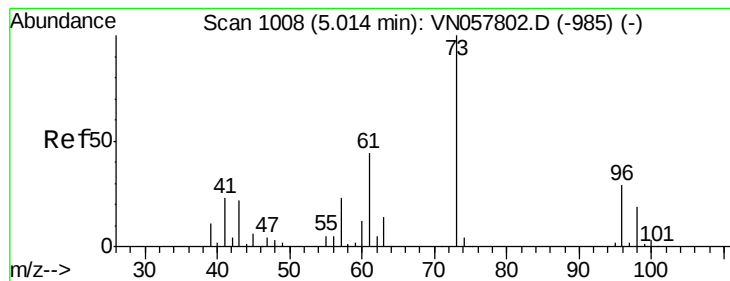
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#20
Methylene Chloride
Concen: 21.534 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion: 84 Resp: 94432
Ion Ratio Lower Upper
84 100
49 138.7 104.8 157.2
51 41.9 33.0 49.4
86 64.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.474 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

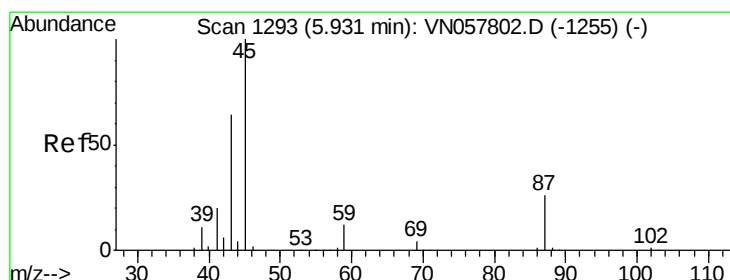
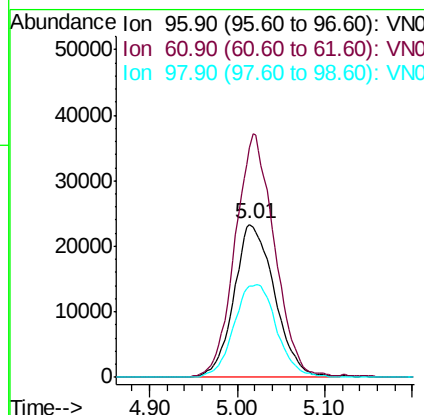
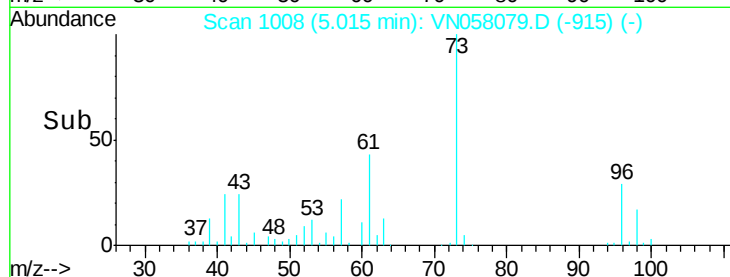
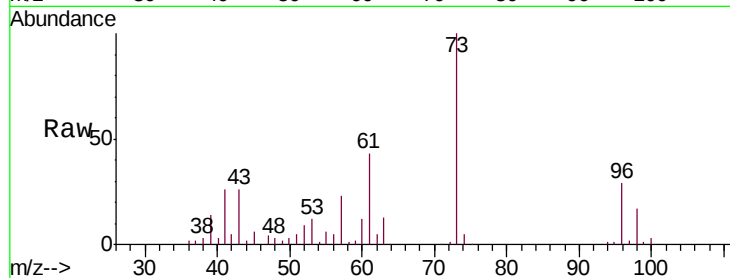
ClientSampleId :

VN0915WBS01

Tgt Ion:	96	Resp:	75318
Ion	Ratio	Lower	Upper
96	100		
61	150.0	121.9	182.9
98	59.8	52.2	78.4

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#22

Diisopropyl ether

Concen: 21.623 ug/l

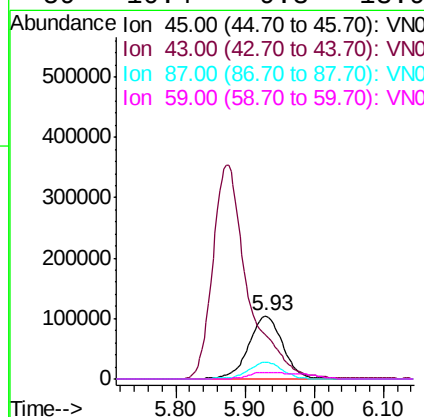
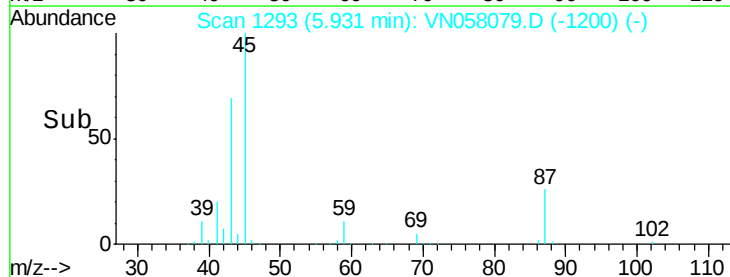
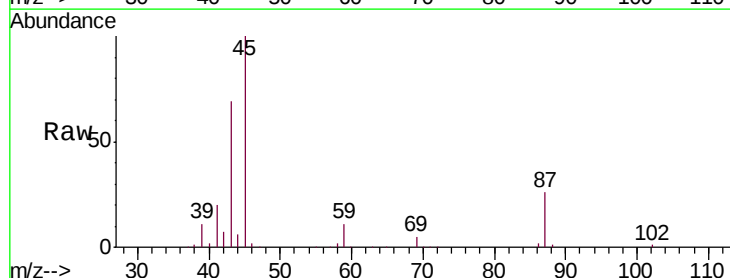
RT: 5.93 min Scan# 1293

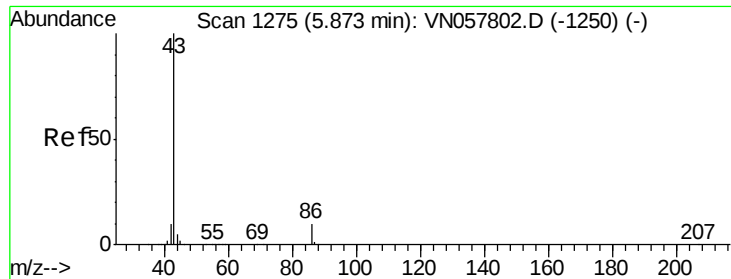
Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion:	45	Resp:	355040
Ion	Ratio	Lower	Upper
45	100		
43	67.2	51.4	77.2
87	26.0	21.3	31.9
59	10.4	9.3	13.9





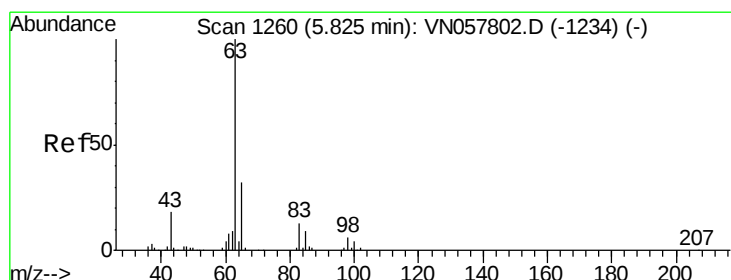
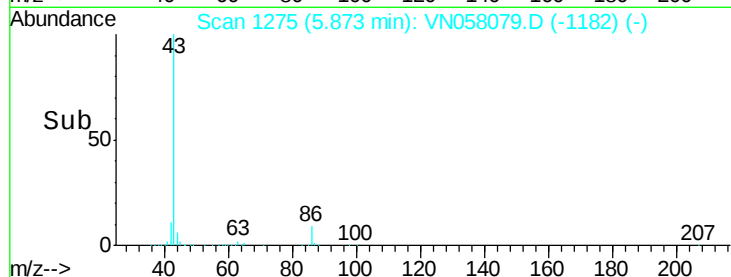
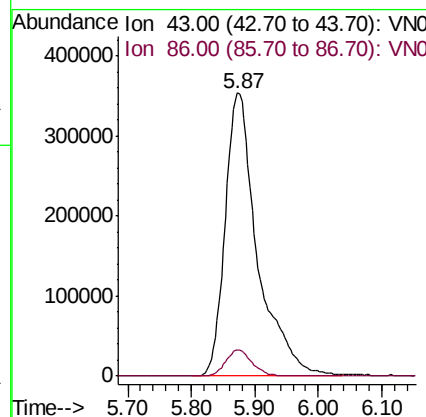
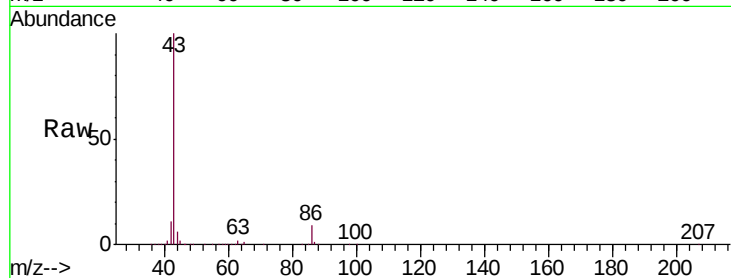
#23
 Vinyl Acetate
 Concen: 107.277 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion: 43 Resp: 1248354
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5

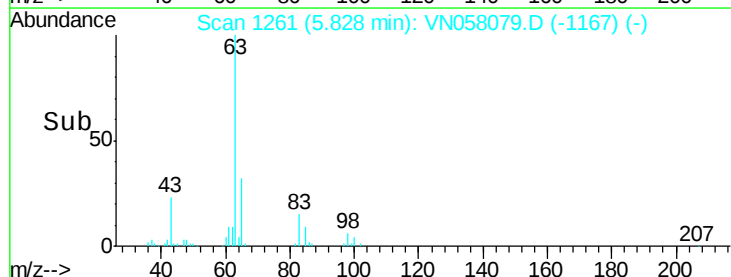
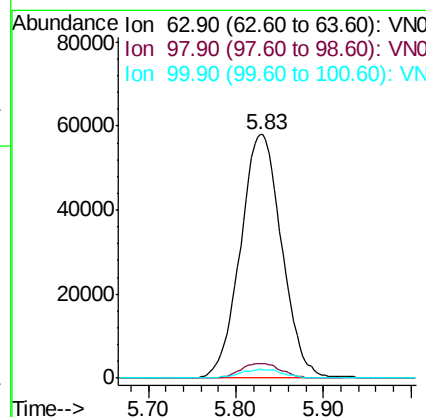
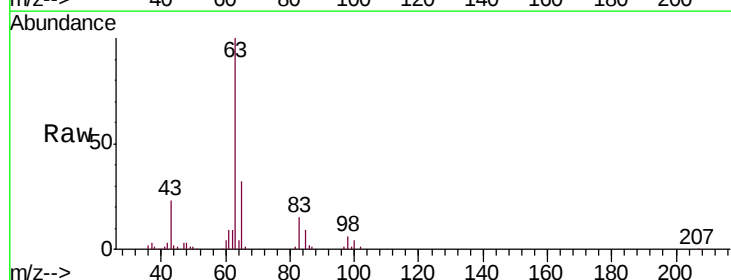
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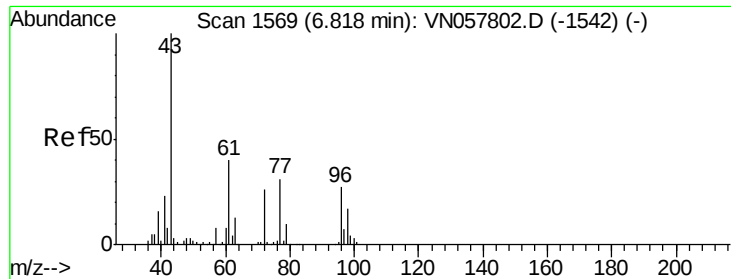
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#24
 1,1-Dichloroethane
 Concen: 21.144 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion: 63 Resp: 189742
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.6 2.0 5.8





#25

2-Butanone

Concen: 103.311 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 43 Resp: 333586

Ion Ratio Lower Upper

43 100

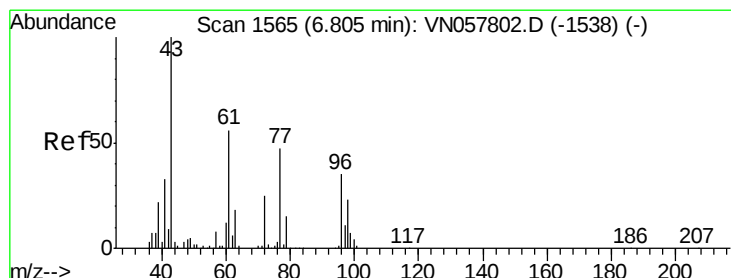
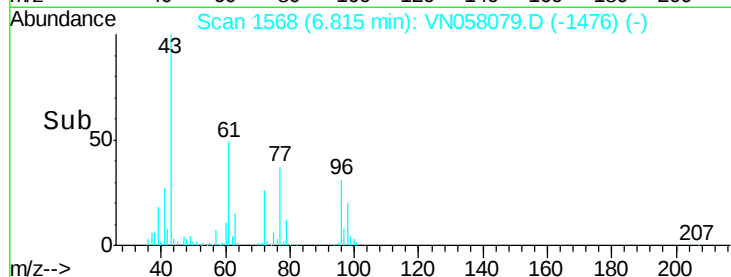
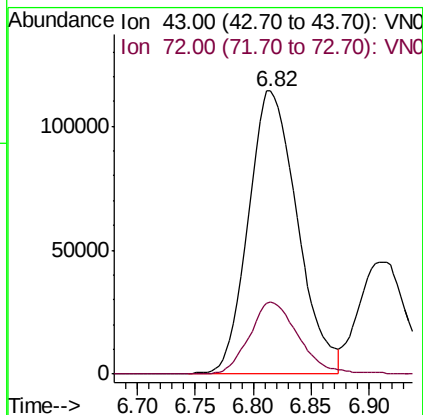
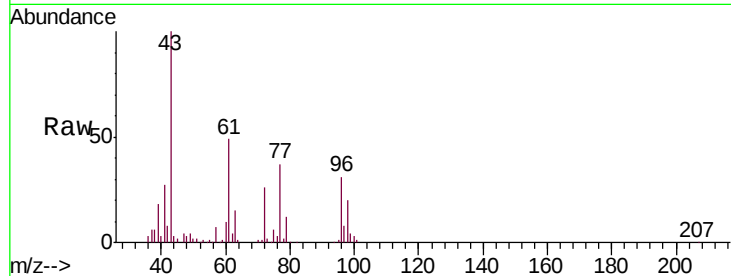
72 25.6 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.469 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058079.D

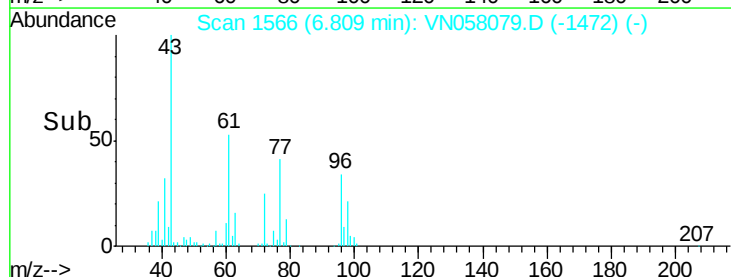
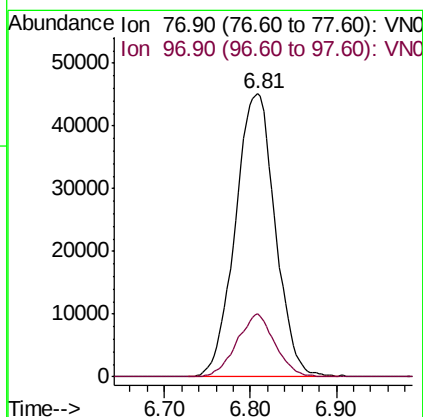
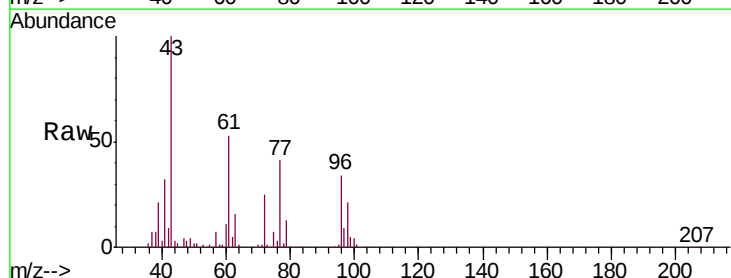
Acq: 15 Sep 2019 9:45

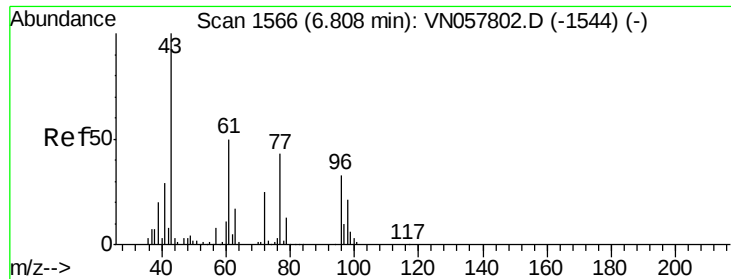
Tgt Ion: 77 Resp: 145363

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 20.446 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

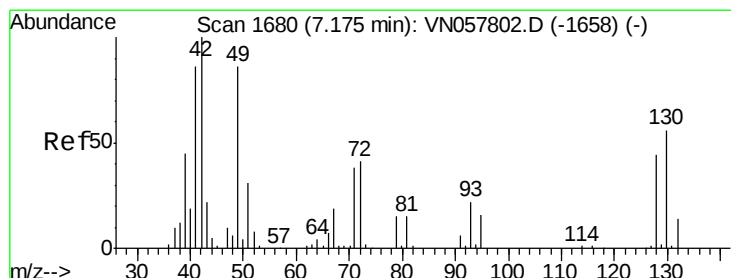
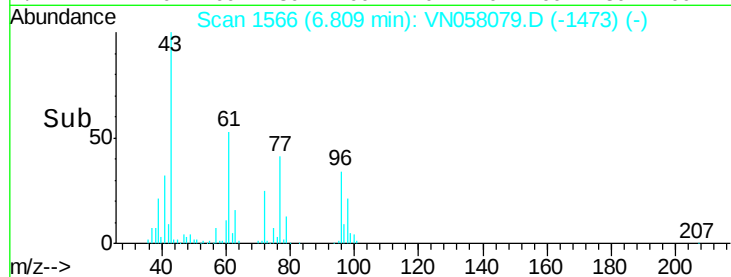
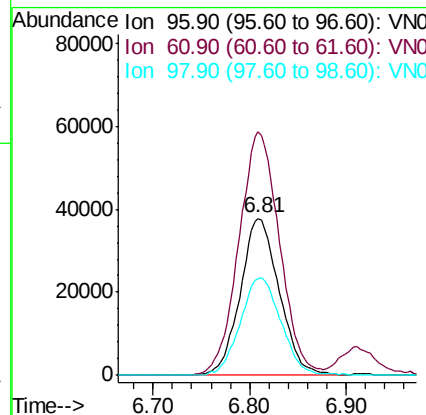
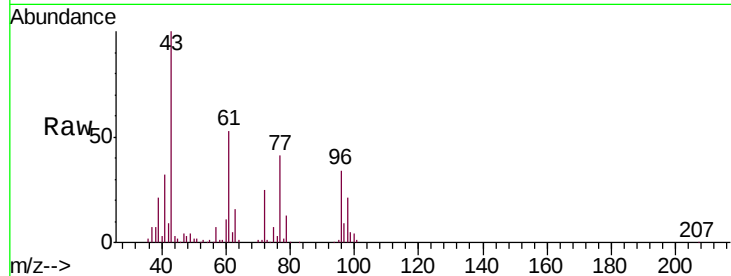
ClientSampleId :

VN0915WBS01

Tgt Ion:	96	Resp:	105974
Ion Ratio	Lower	Upper	
96	100		
61	161.7	0.0	314.0
98	65.0	0.0	128.6

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#28

Bromochloromethane

Concen: 20.904 ug/l

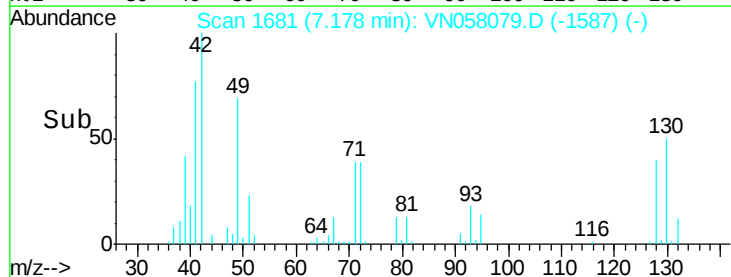
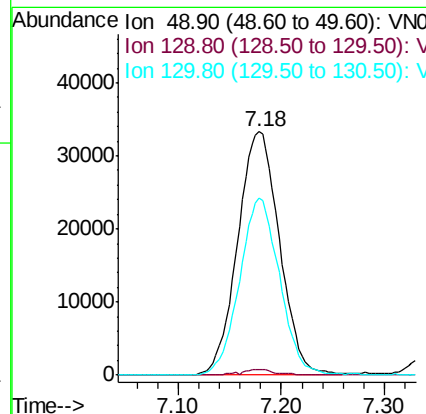
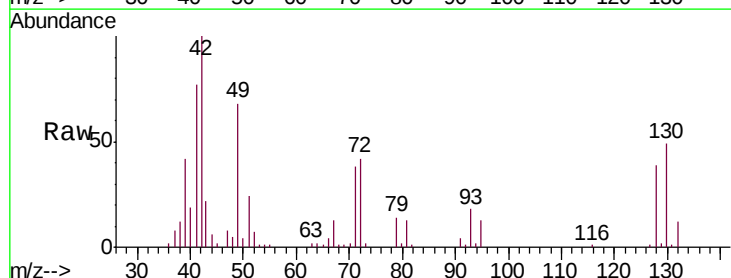
RT: 7.18 min Scan# 1681

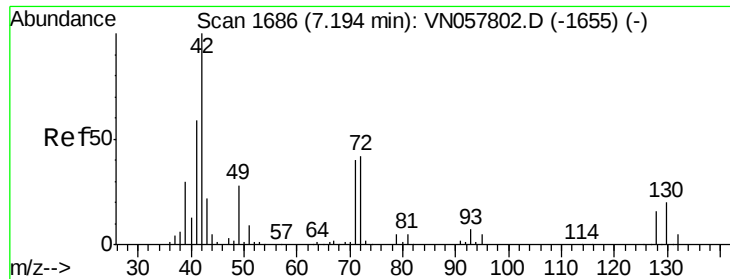
Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion:	49	Resp:	93719
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	69.4	53.0	79.6





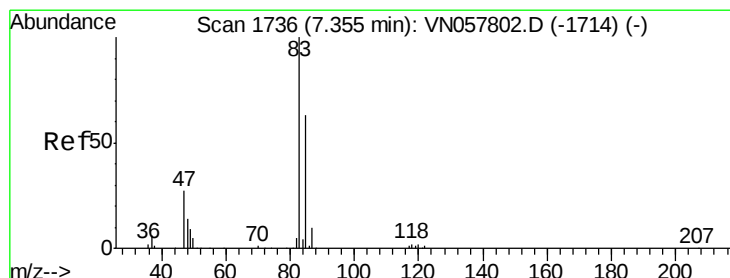
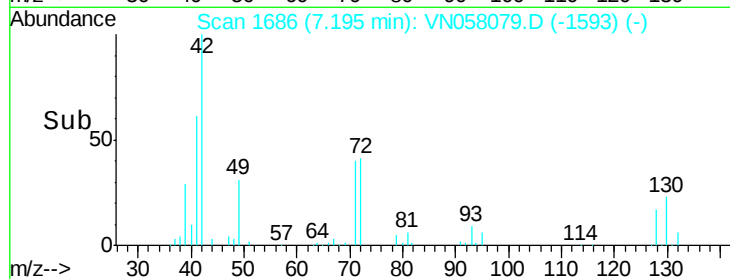
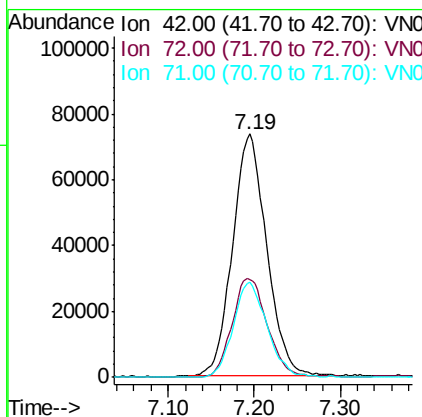
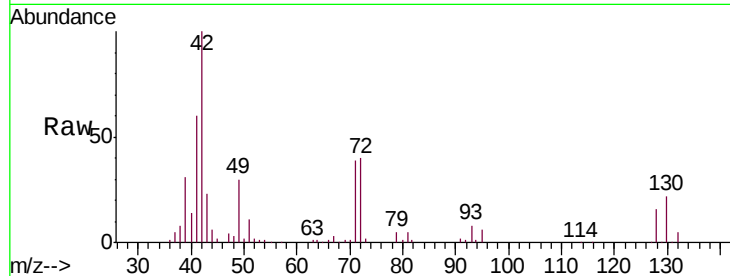
#29
Tetrahydrofuran
Concen: 101.806 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.7	50.5
71	39.2	31.9	47.9

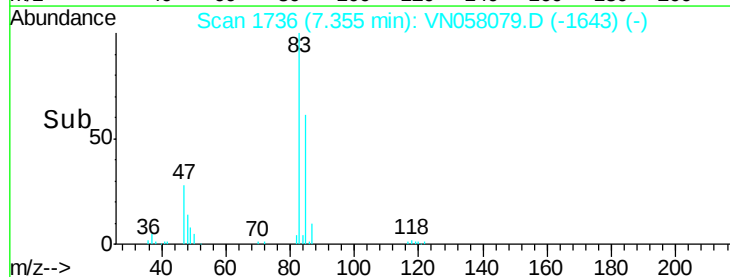
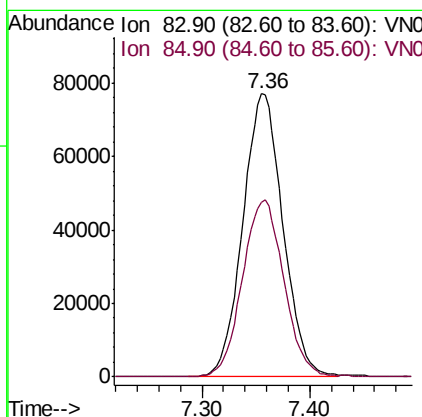
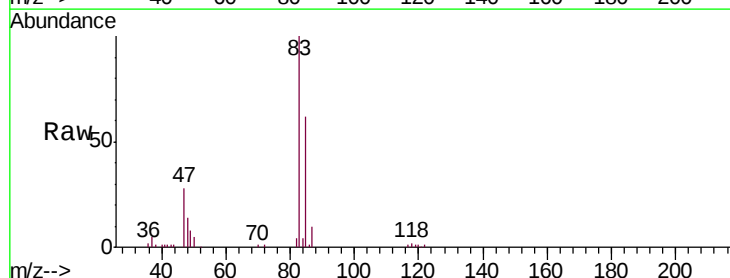
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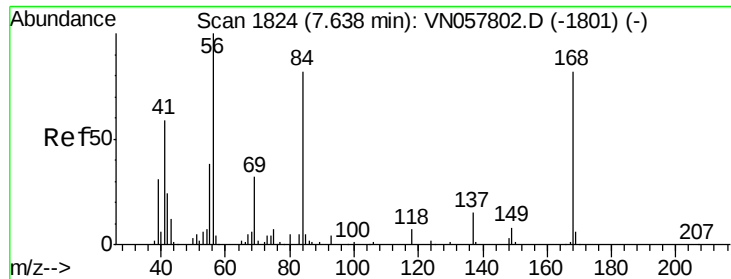
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#30
Chloroform
Concen: 21.195 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8





#31

Cyclohexane

Concen: 19.951 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

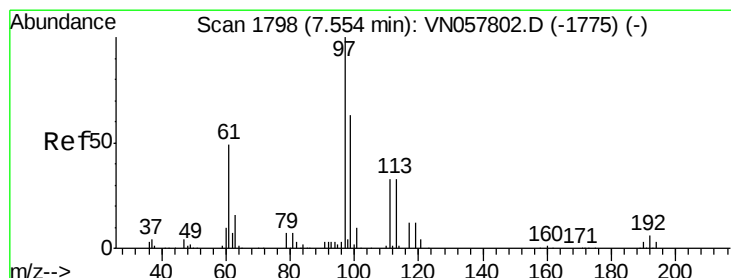
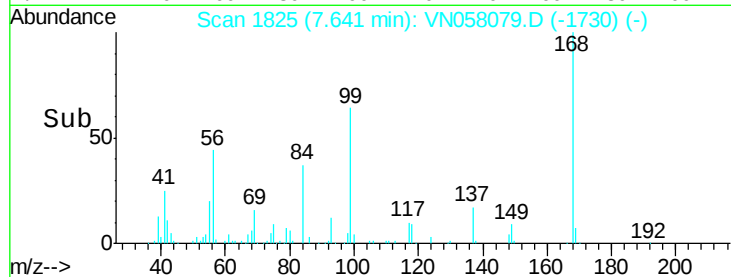
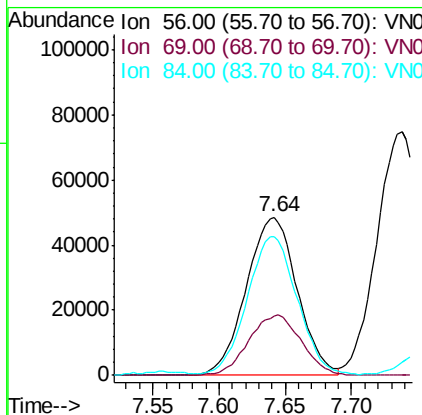
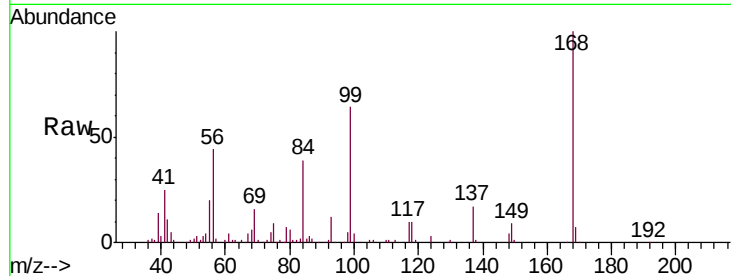
ClientSampleId :

VN0915WBS01

Tgt Ion:	56	Resp:	130224
Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.9	38.9
84	86.4	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 20.356 ug/l

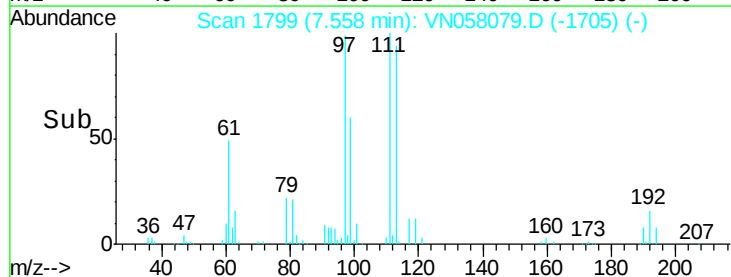
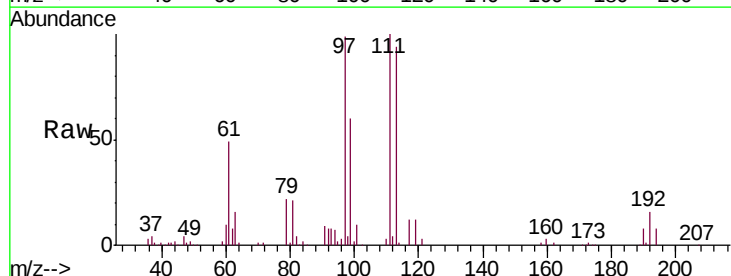
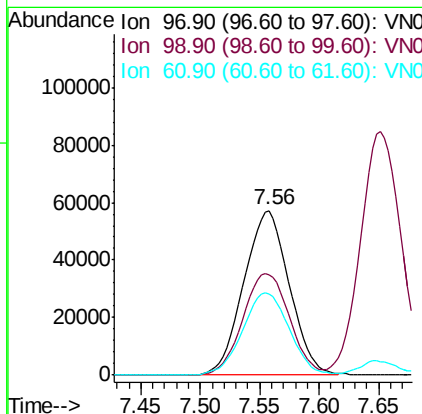
RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion:	97	Resp:	151480
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.4
61	51.4	39.0	58.6





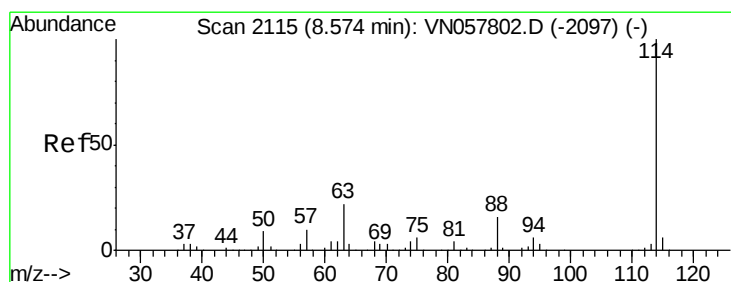
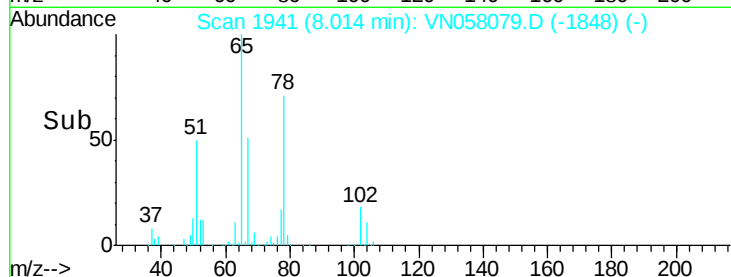
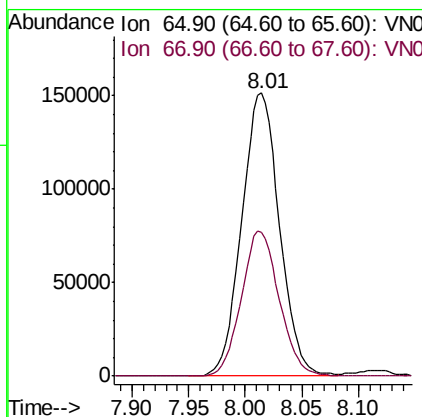
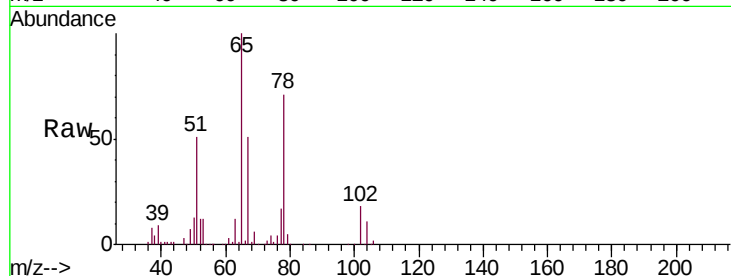
#33
 1,2-Dichloroethane-d4
 Concen: 51.673 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	351656		
67	51.4	0.0	104.0	

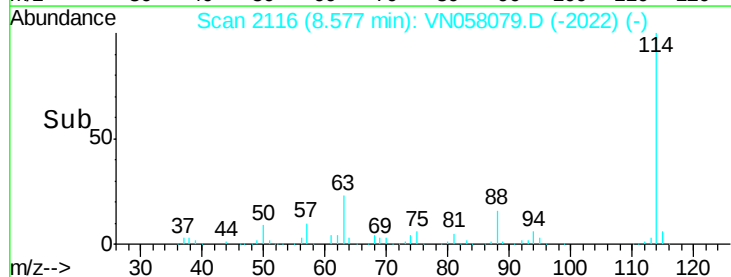
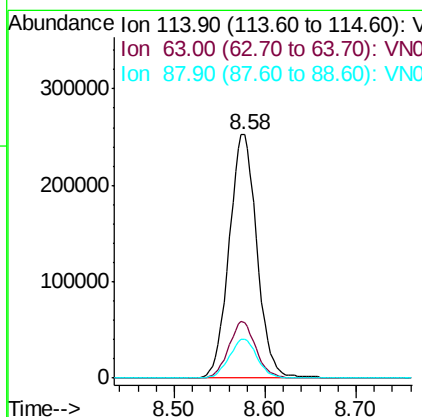
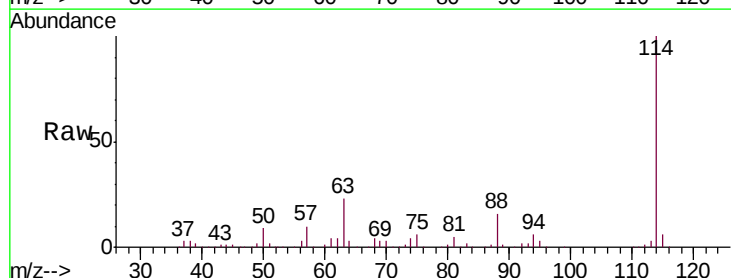
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	535072		
63	22.7	0.0	44.0	
88	16.1	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.679 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

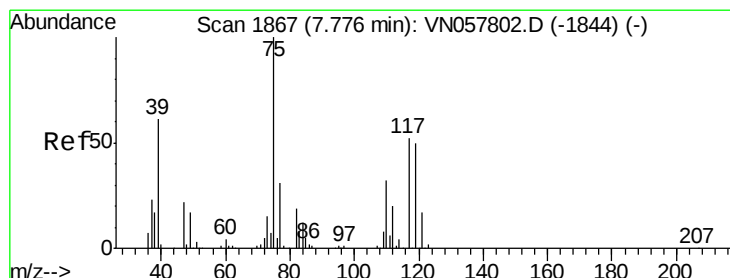
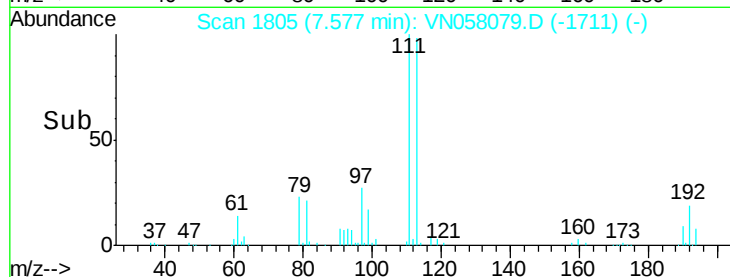
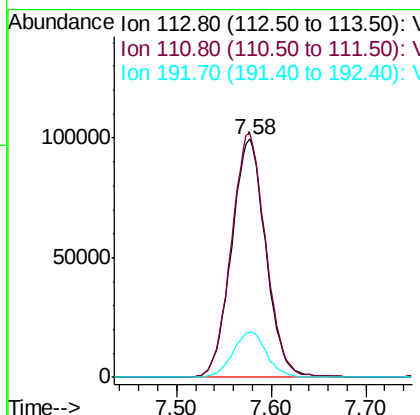
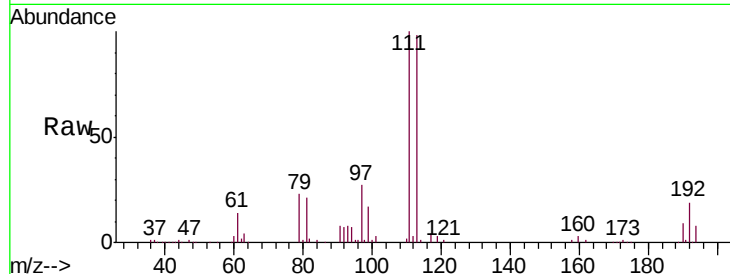
ClientSampled :

VN0915WBS01

Tgt Ion:	113	Resp:	250277
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.3	121.9
192	18.7	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 19.997 ug/l

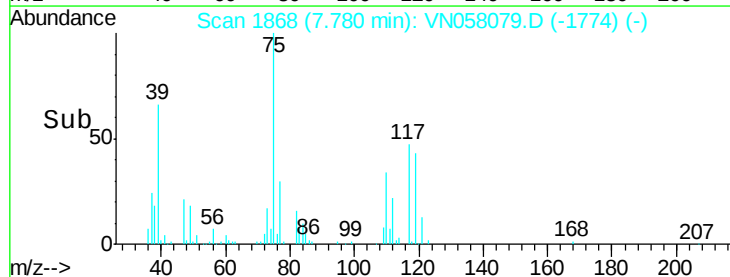
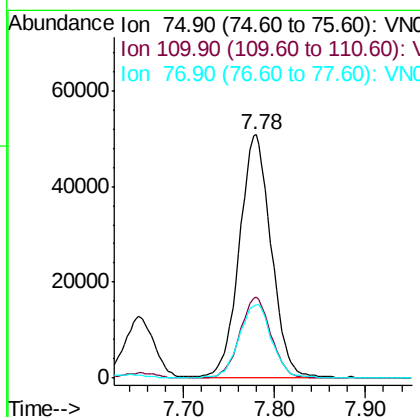
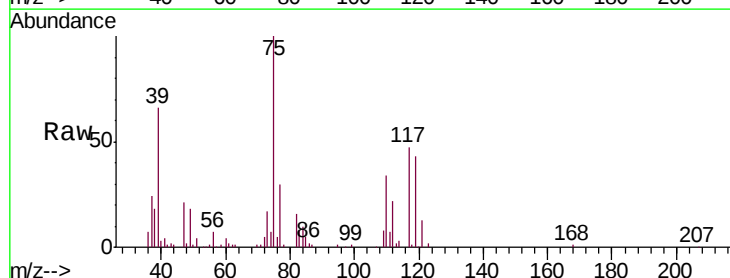
RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion:	75	Resp:	124092
Ion Ratio	Lower	Upper	
75	100		
110	32.5	16.3	48.9
77	31.1	25.0	37.4





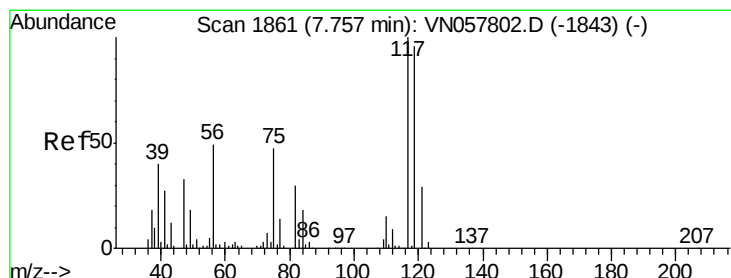
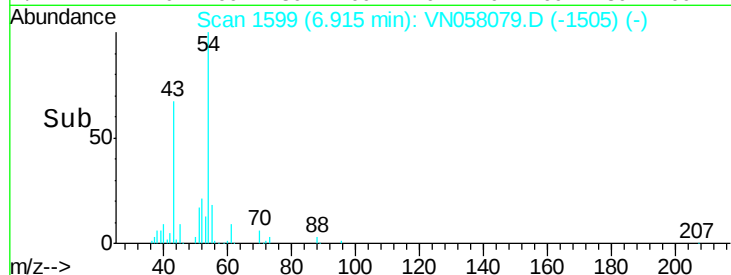
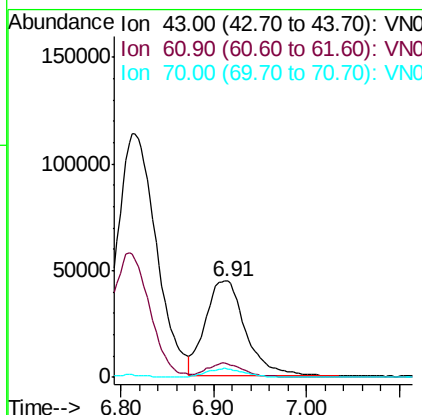
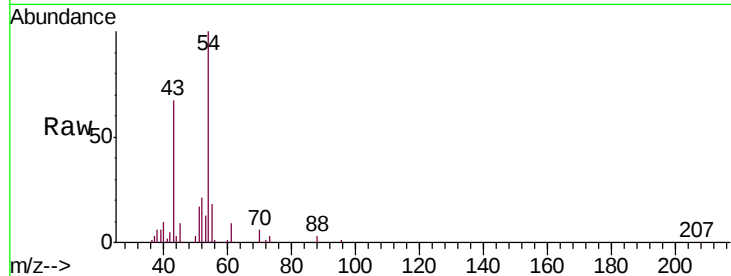
#37
Ethyl Acetate
Concen: 21.083 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	8.7	7.4	11.0

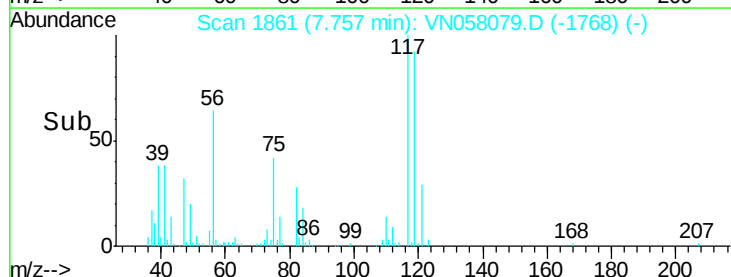
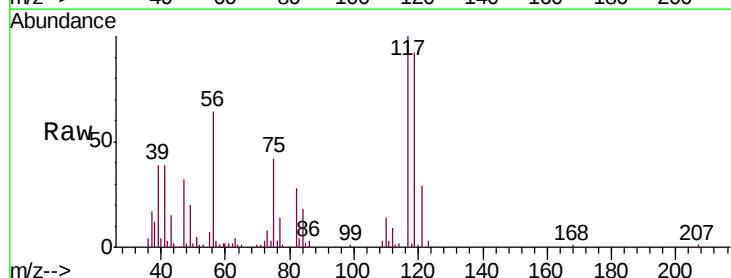
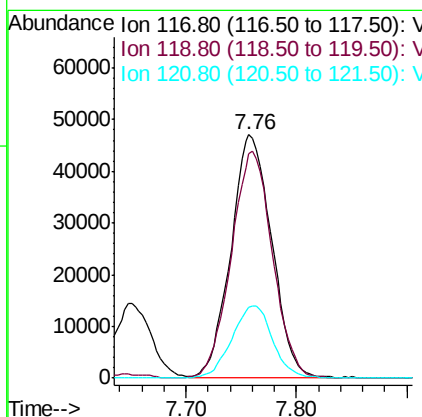
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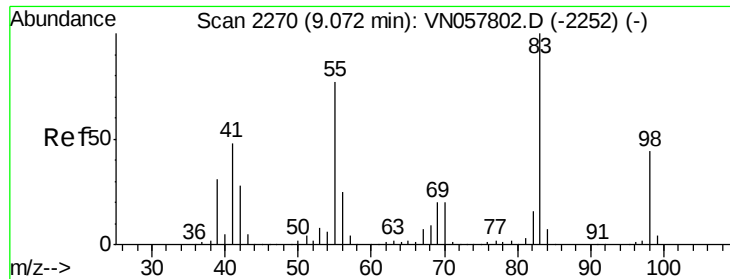
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#38
Carbon Tetrachloride
Concen: 21.299 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.9	115.3
121	28.9	23.4	35.2





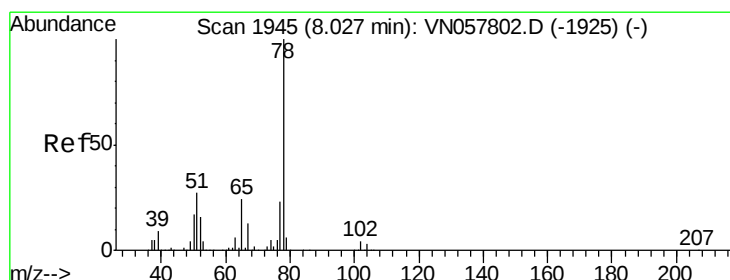
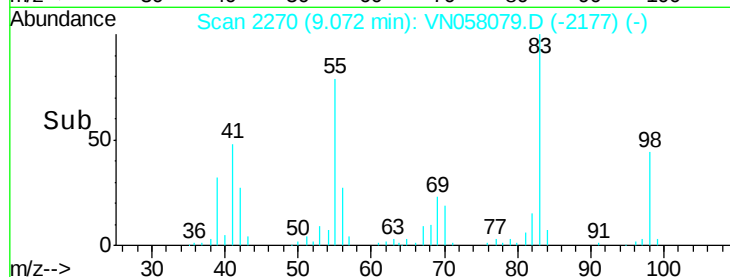
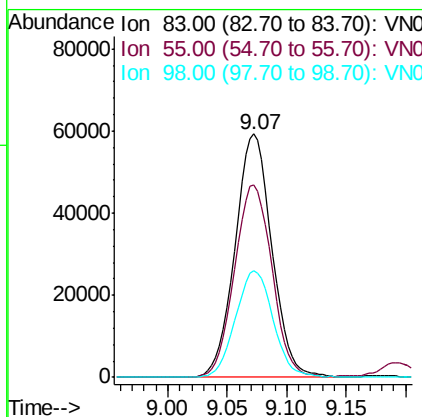
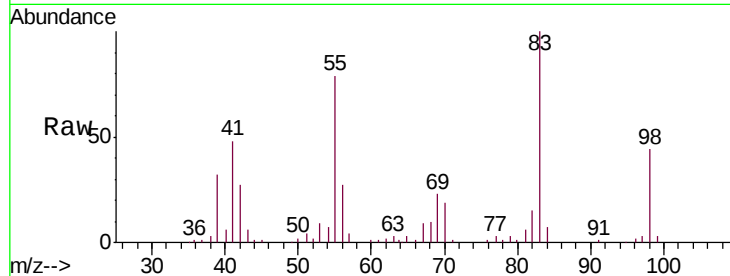
#39
Methylcyclohexane
Concen: 19.512 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	79.2	61.6	92.4
98	43.6	34.9	52.3

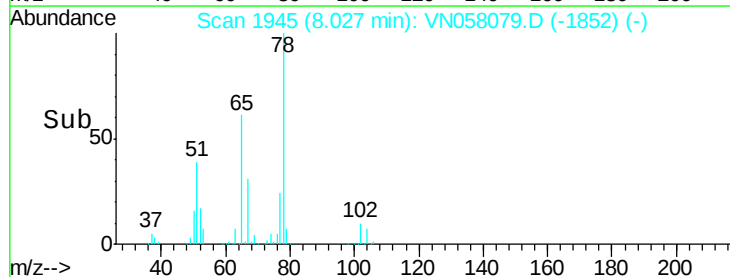
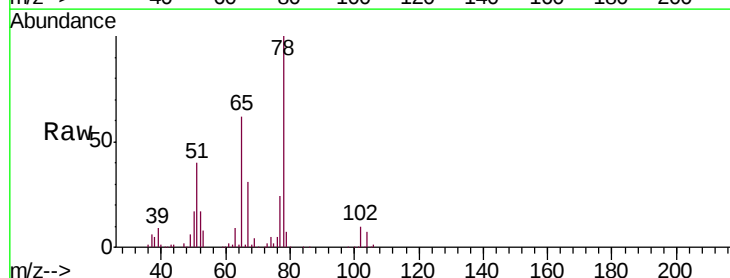
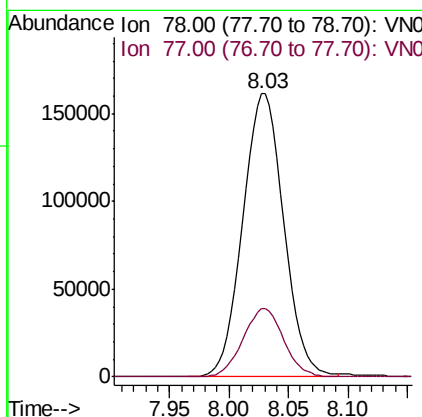
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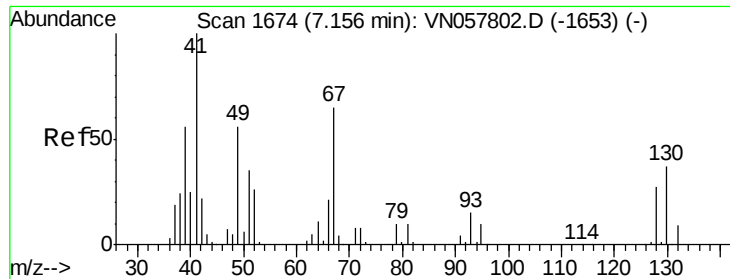
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#40
Benzene
Concen: 20.598 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	24.1	18.3	27.5





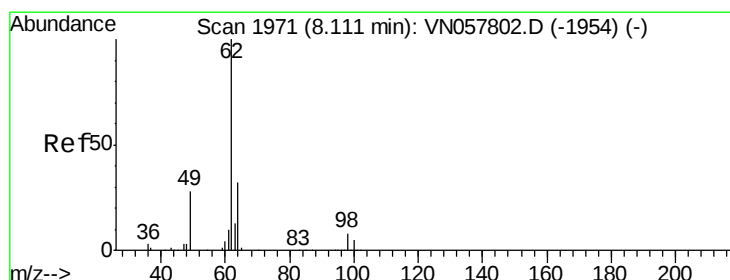
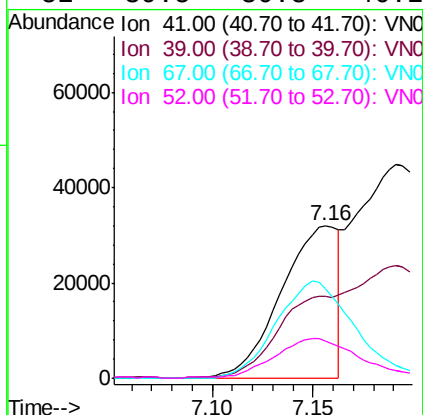
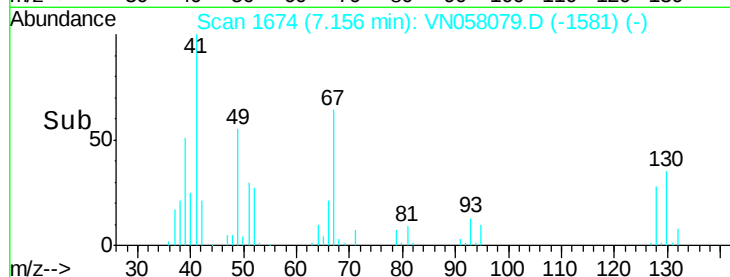
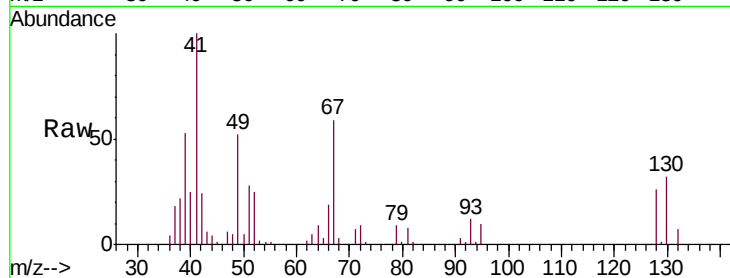
#41
Methacrylonitrile
Concen: 21.498 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	88.8	70.7	106.1
52	39.5	30.8	46.2

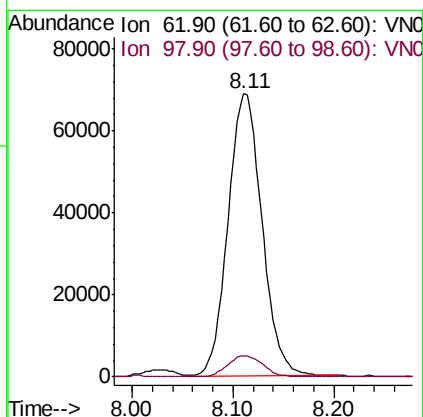
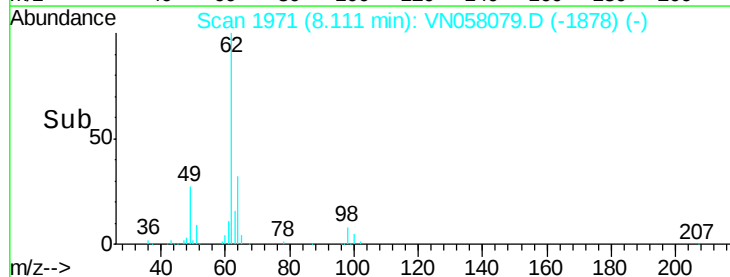
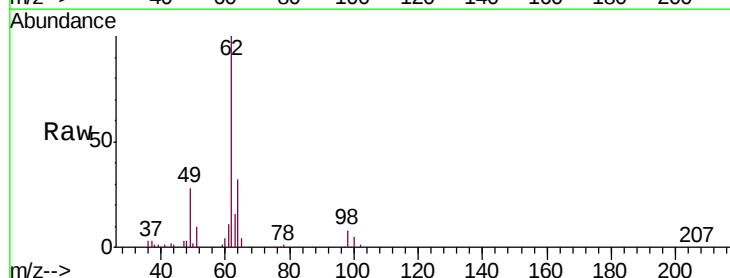
Manual Integrations
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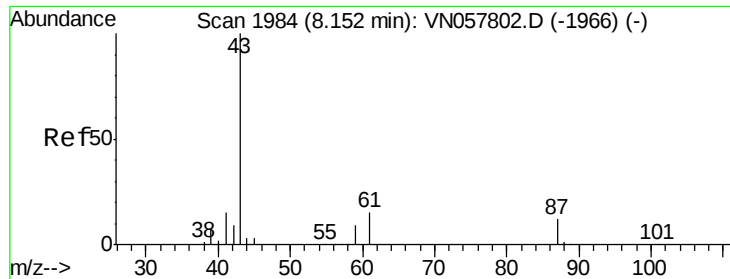
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#42
1,2-Dichloroethane
Concen: 21.612 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





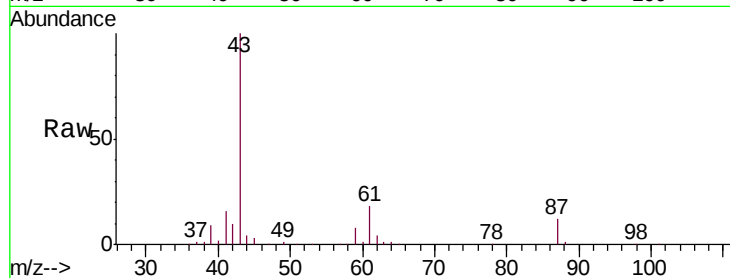
#43
Isopropyl Acetate
Concen: 23.005 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

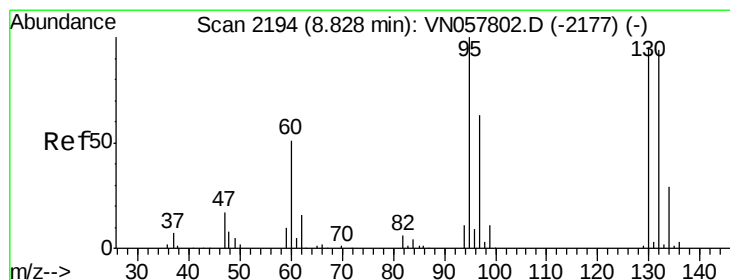
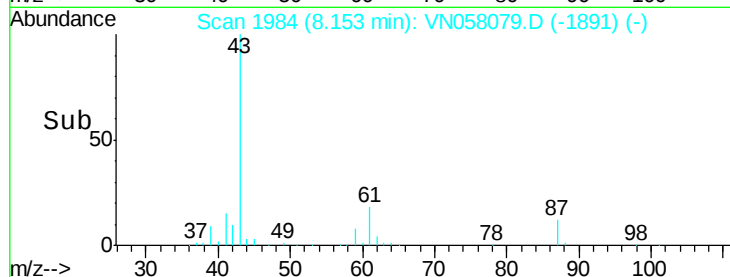
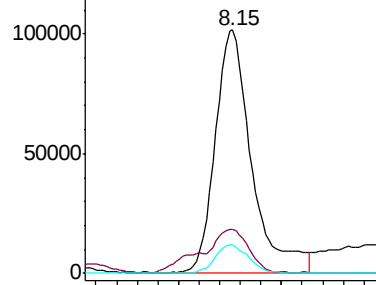
Tgt Ion	Ratio	Lower	Upper
43	100		
61	23.3	20.1	30.1
87	11.1	9.5	14.3

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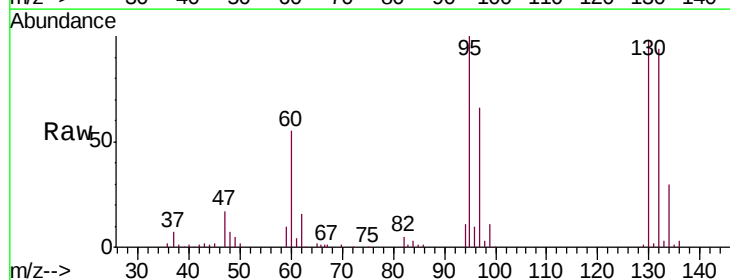


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

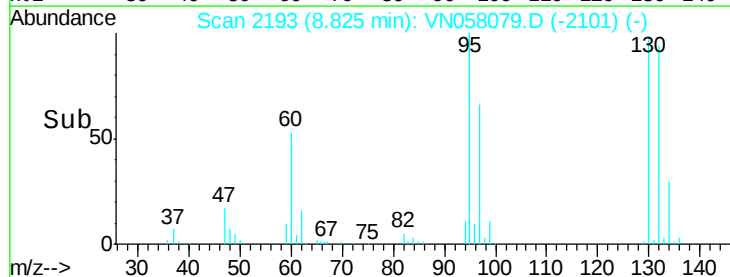
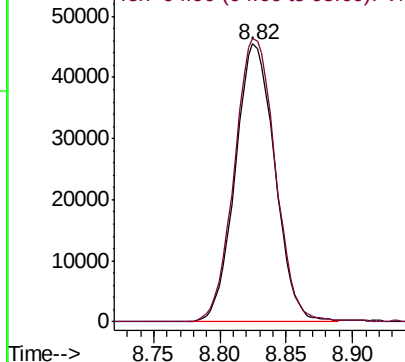


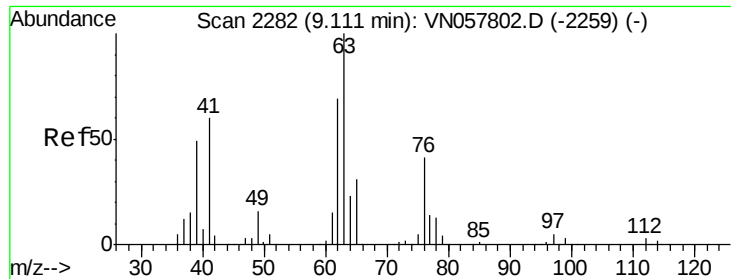
#44
Trichloroethene
Concen: 20.617 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)





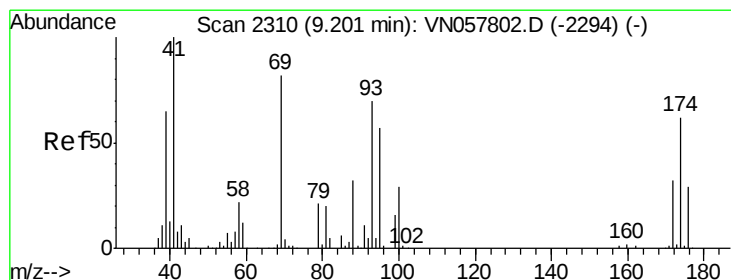
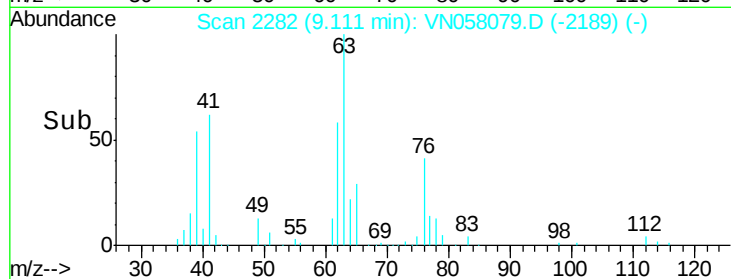
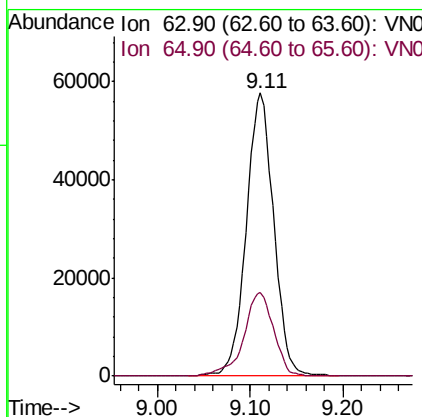
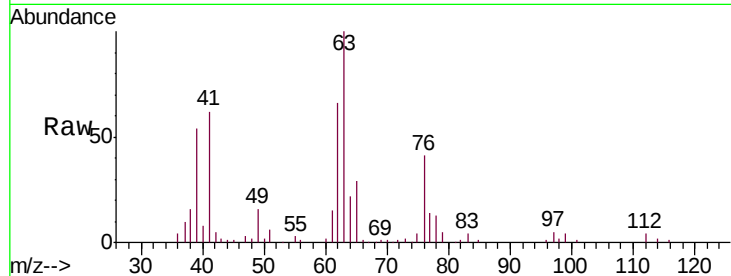
#45
 1,2-Dichloropropane
 Concen: 21.815 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion: 63 Resp: 118593
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.8 37.2

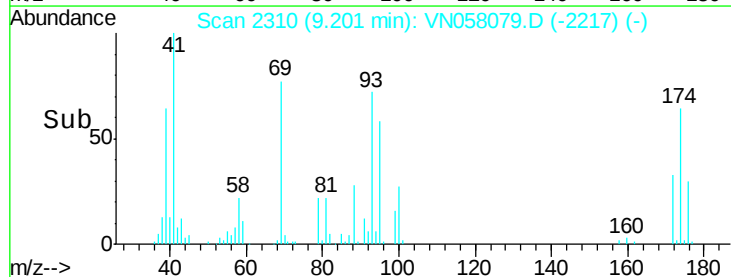
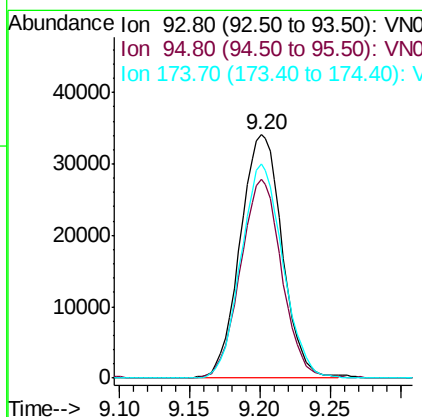
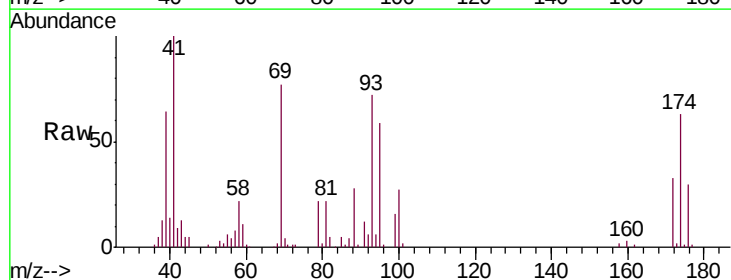
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#46
 Dibromomethane
 Concen: 21.644 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion: 93 Resp: 71102
 Ion Ratio Lower Upper
 93 100
 95 80.0 65.9 98.9
 174 87.5 71.8 107.6





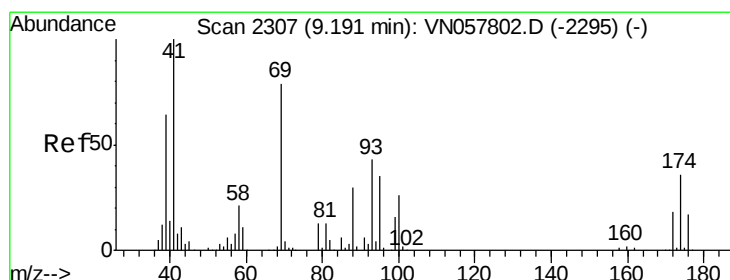
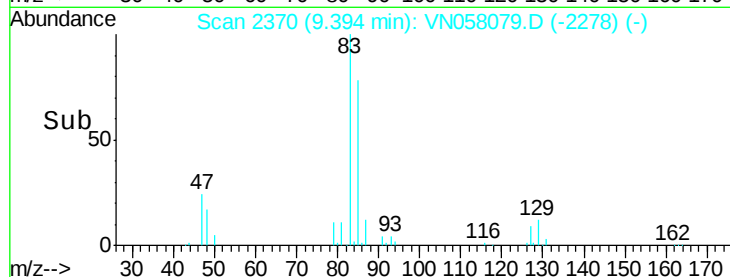
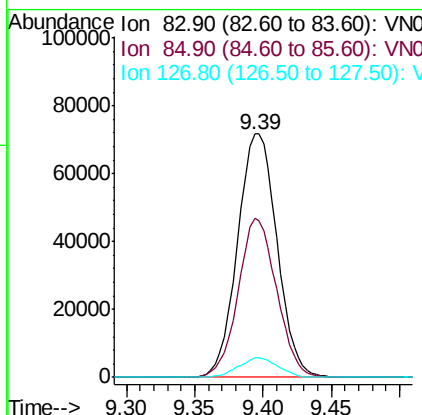
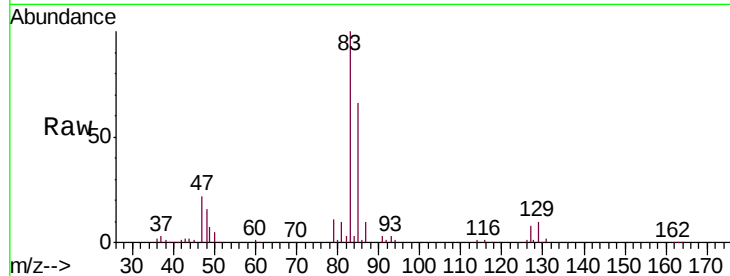
#47
 Bromodichloromethane
 Concen: 21.941 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	143933		
85	65.6	49.9	74.9	
127	7.9	6.5	9.7	

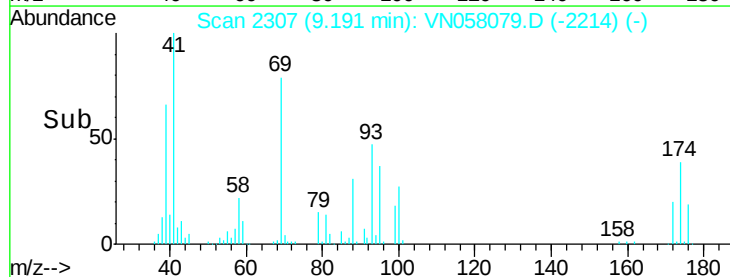
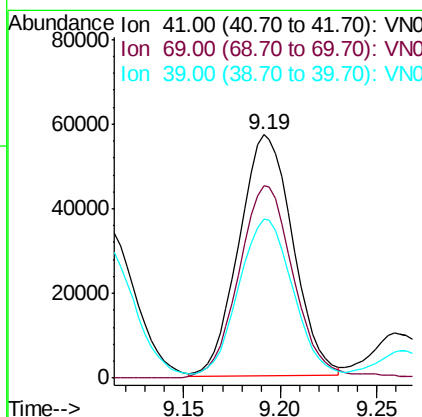
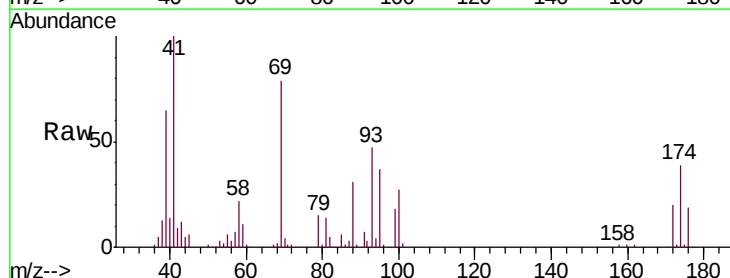
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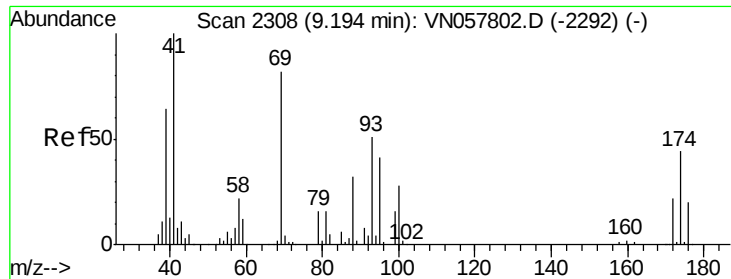
MMDadoda
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#48
 Methyl methacrylate
 Concen: 20.219 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	110582		
69	81.7	62.7	94.1	
39	66.1	52.7	79.1	





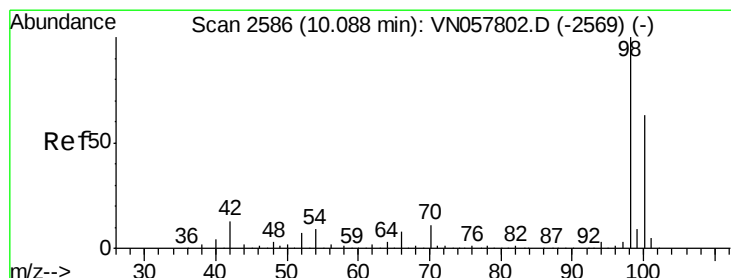
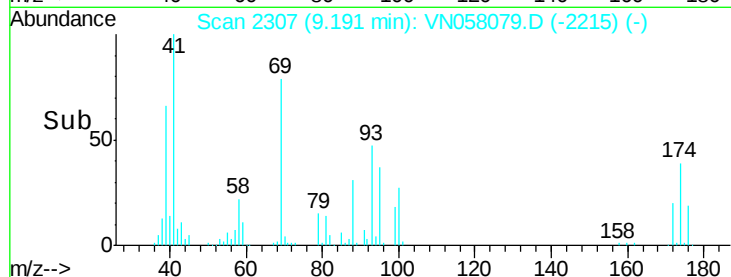
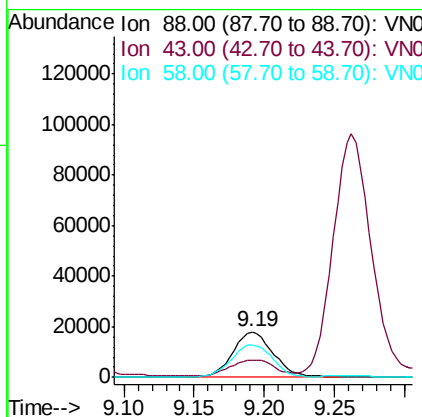
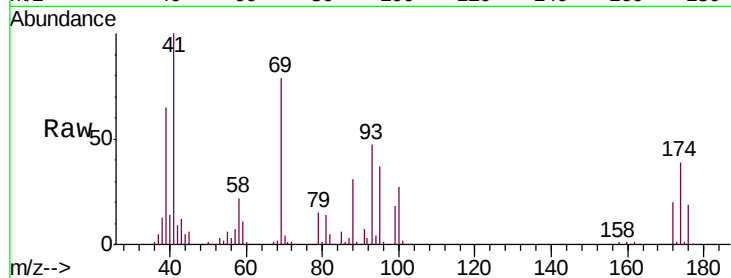
#49
 1,4-Dioxane
 Concen: 391.947 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.9	28.5	42.7
58	73.5	55.8	83.6

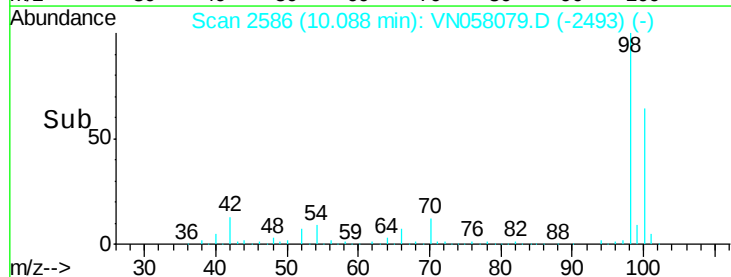
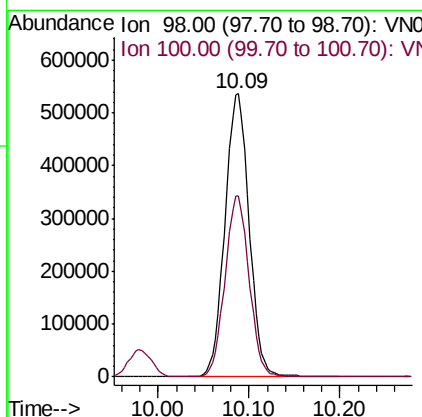
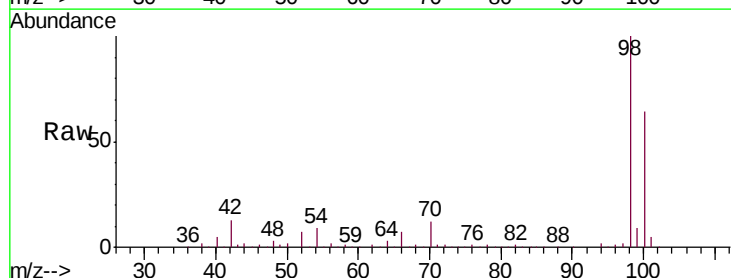
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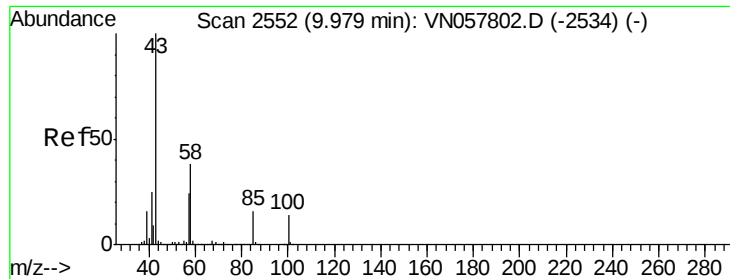
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#50
 Toluene-d8
 Concen: 51.704 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 111.796 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 43 Resp: 713298

Ion Ratio Lower Upper

43 100

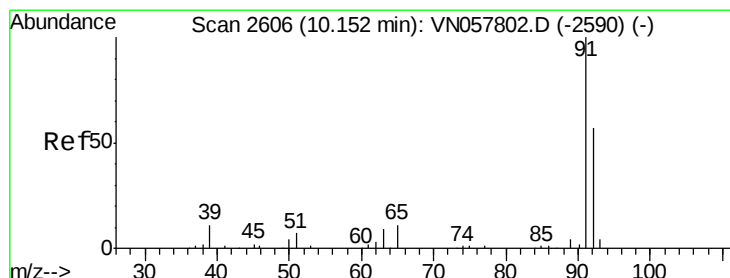
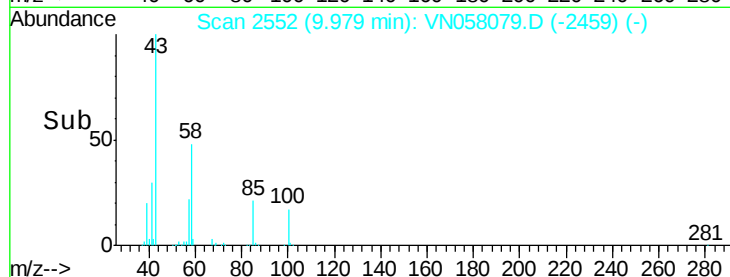
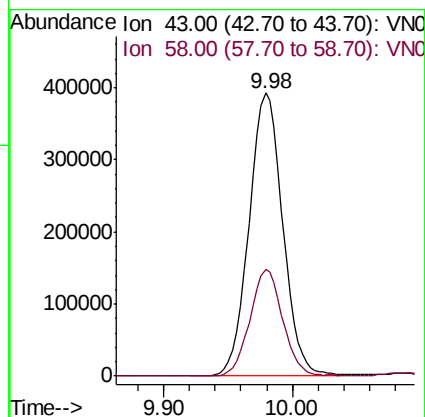
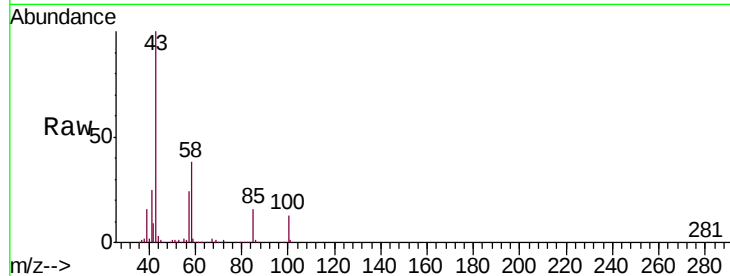
58 36.8 29.8 44.6

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#52

Toluene

Concen: 20.845 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058079.D

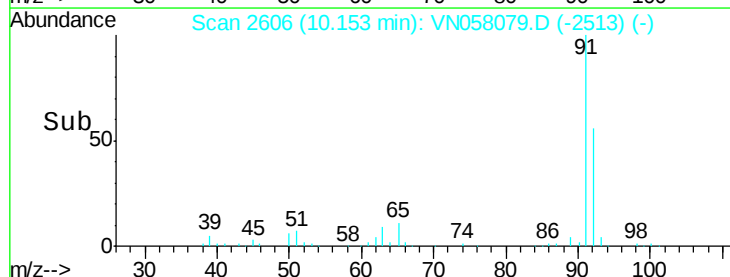
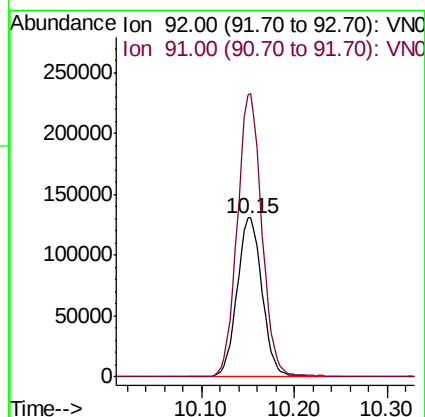
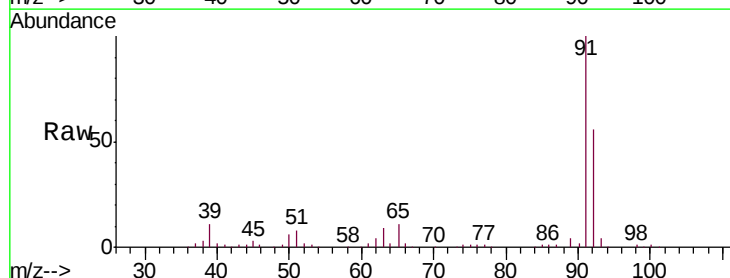
Acq: 15 Sep 2019 9:45

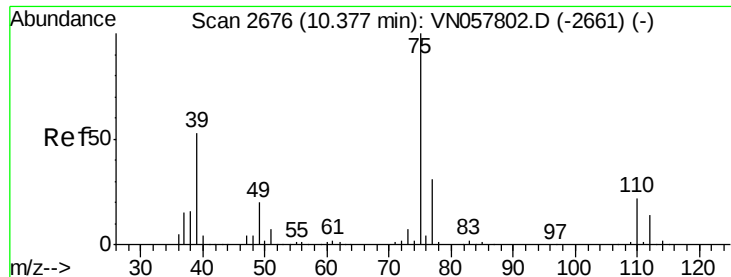
Tgt Ion: 92 Resp: 245274

Ion Ratio Lower Upper

92 100

91 173.8 141.0 211.6





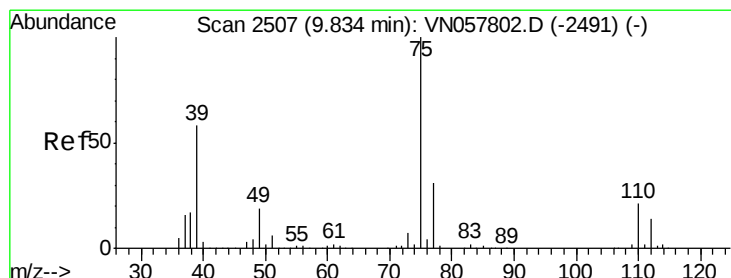
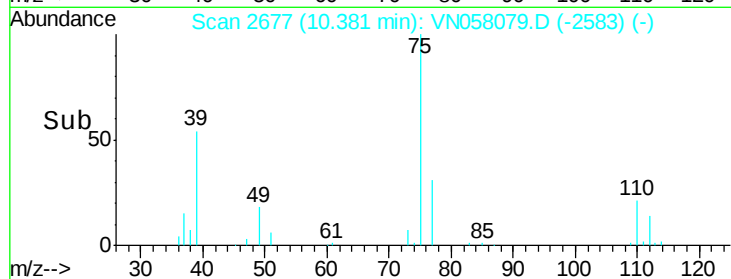
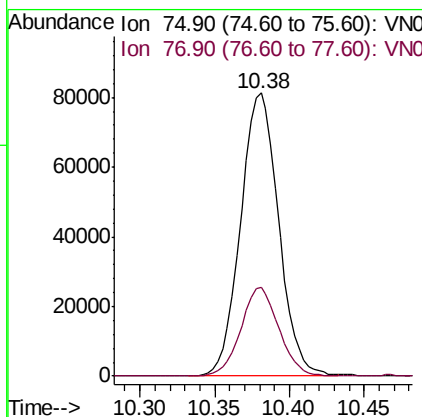
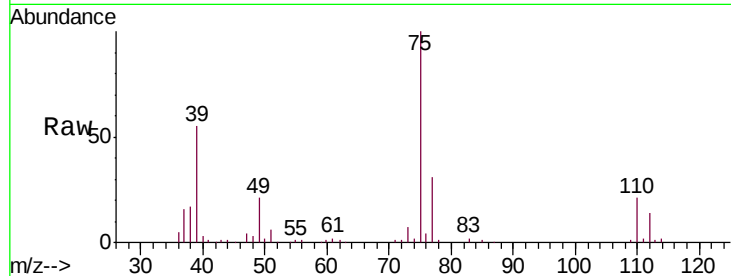
#53
t-1,3-Dichloropropene
Concen: 20.859 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion: 75 Resp: 144094
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7

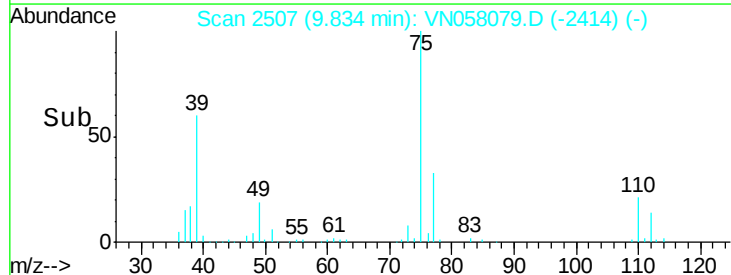
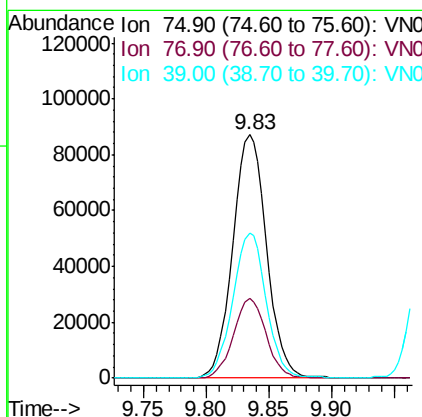
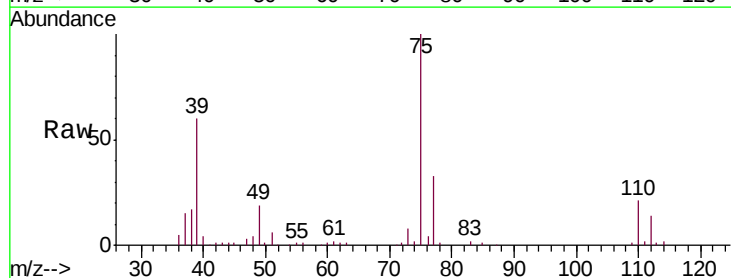
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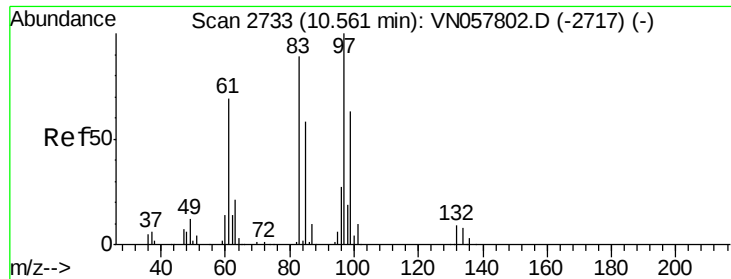
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#54
cis-1,3-Dichloropropene
Concen: 21.425 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion: 75 Resp: 163408
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 59.4 46.2 69.4





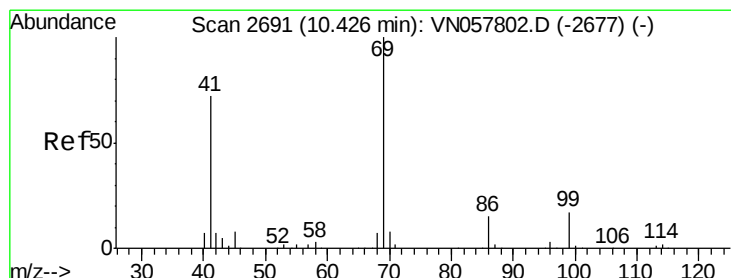
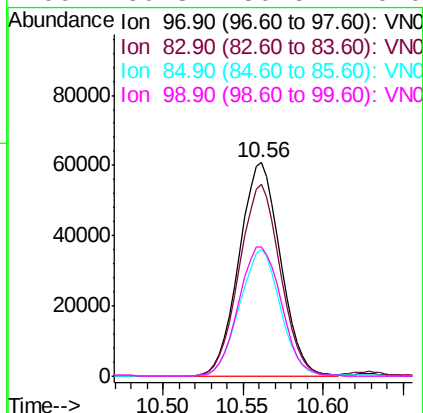
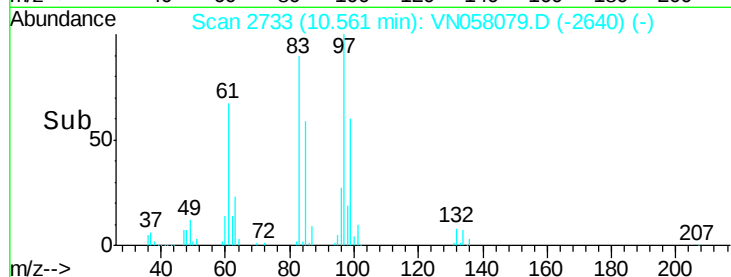
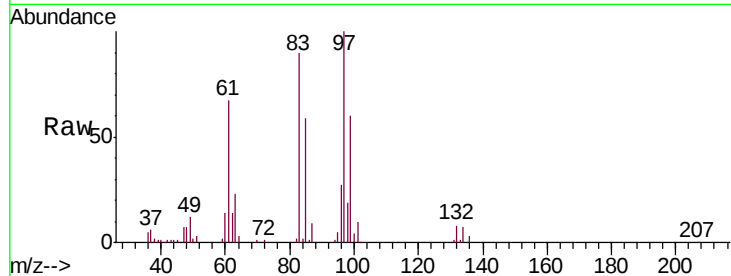
#55
 1,1,2-Trichloroethane
 Concen: 21.665 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	107987		
83	90.0	70.8	106.2	
85	59.4	46.0	69.0	
99	60.3	50.6	76.0	

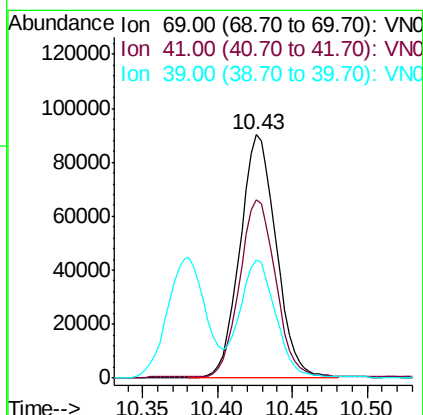
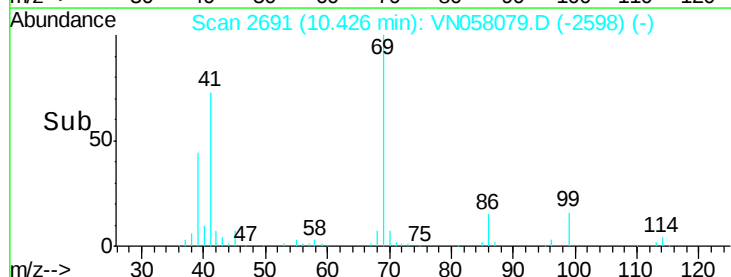
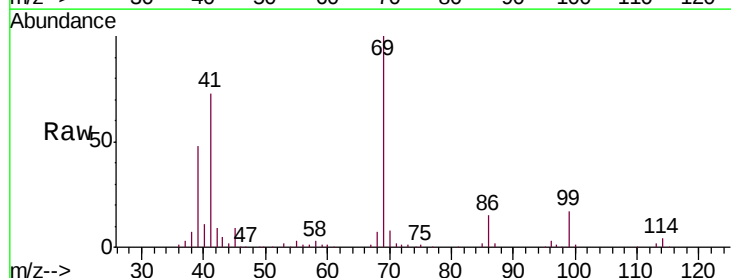
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#56
 Ethyl methacrylate
 Concen: 20.318 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	152503		
41	71.8	56.7	85.1	
39	48.2	36.3	54.5	





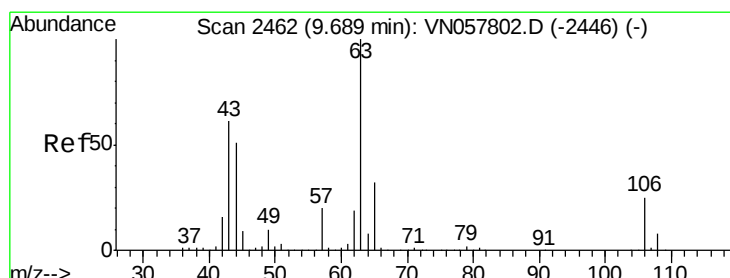
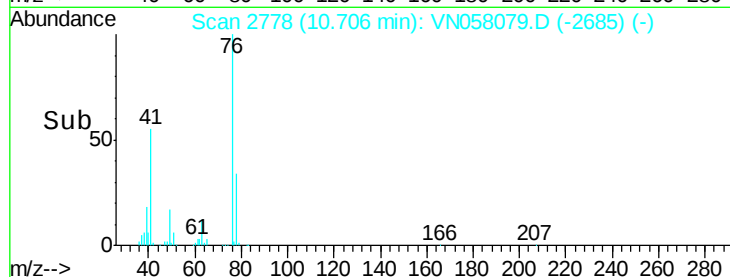
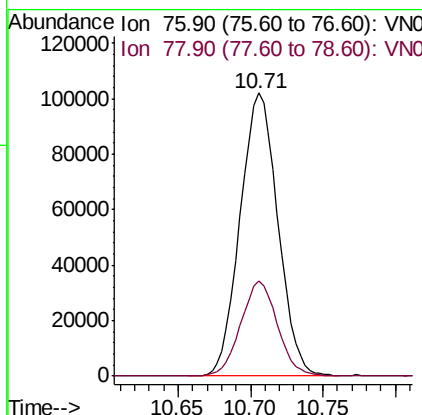
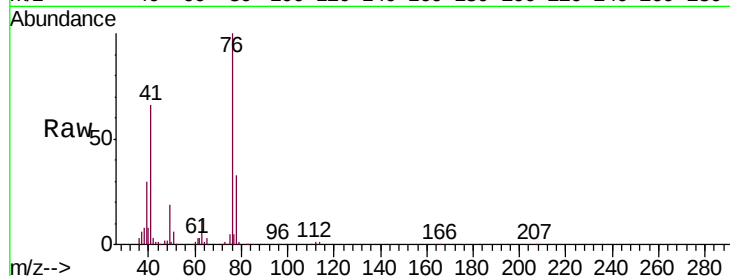
#57
 1,3-Dichloropropane
 Concen: 21.577 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion: 76 Resp: 185345
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.2

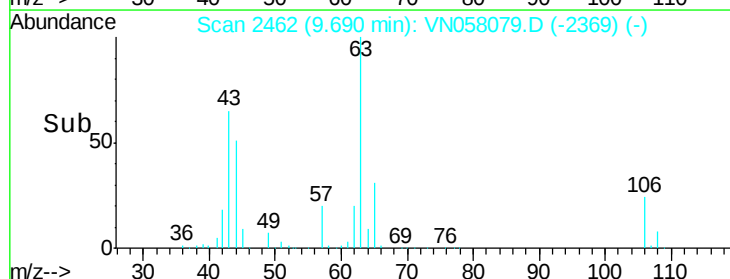
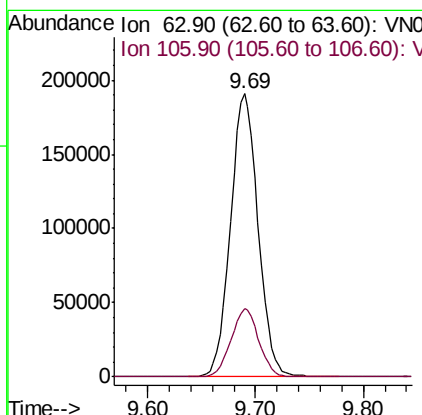
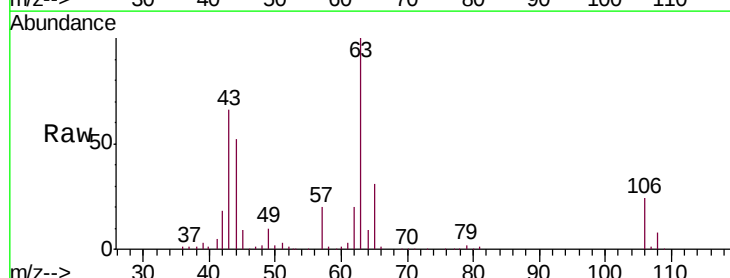
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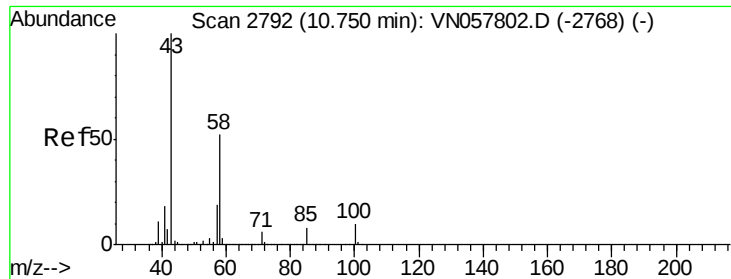
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.077 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion: 63 Resp: 339651
 Ion Ratio Lower Upper
 63 100
 106 24.2 20.0 30.0





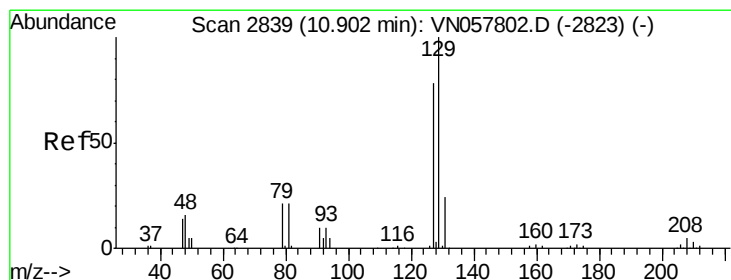
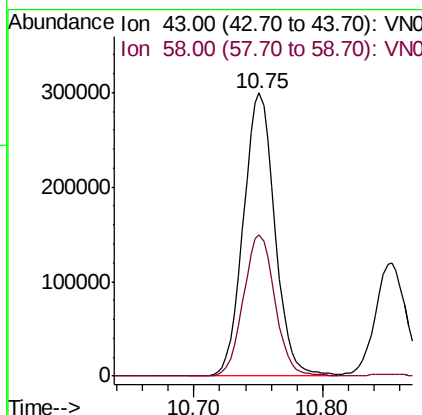
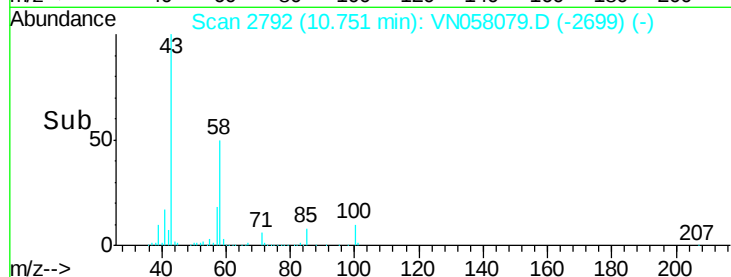
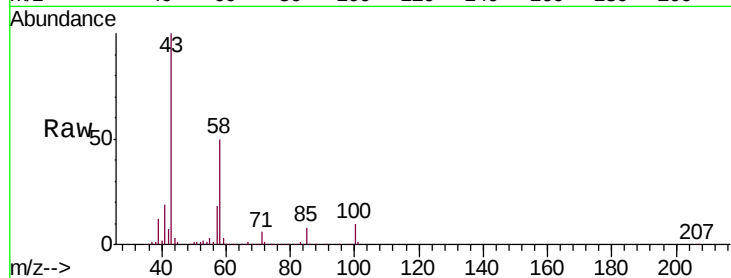
#59
2-Hexanone
Concen: 105.860 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion: 43 Resp: 506258
Ion Ratio Lower Upper
43 100
58 50.3 25.6 76.8

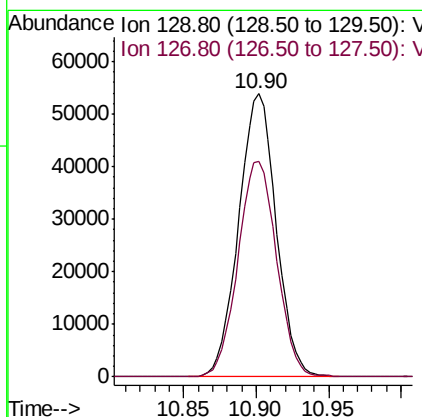
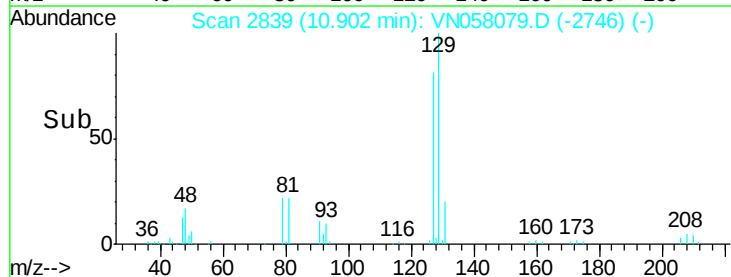
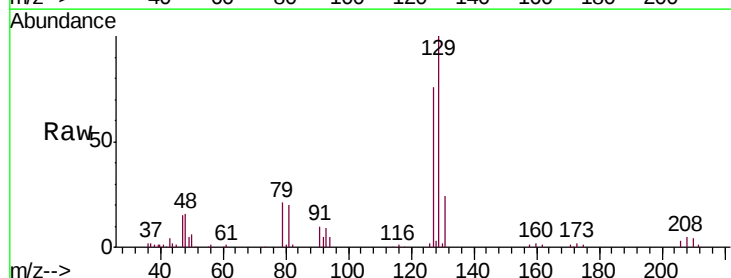
Manual Integrations
APPROVED

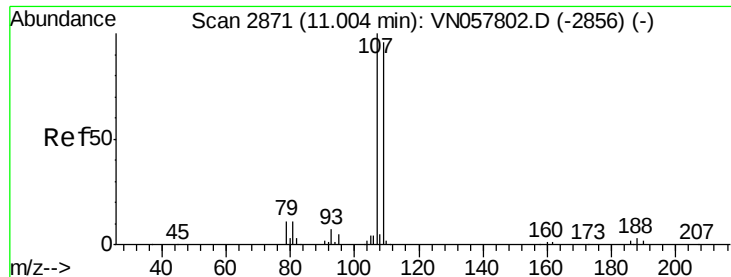
MMDadoda
9/18/2019 1:56:09 PM



#60
Dibromochloromethane
Concen: 20.960 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion: 129 Resp: 97012
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





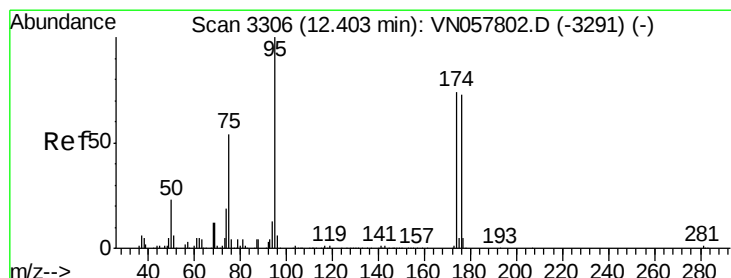
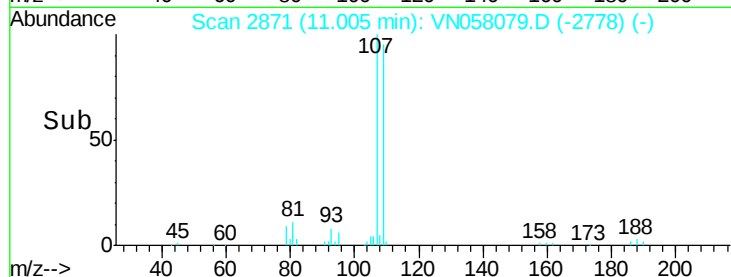
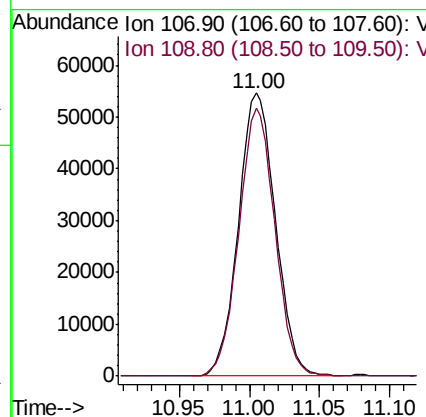
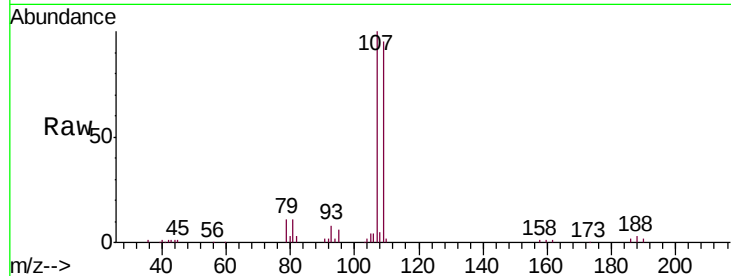
#61
 1,2-Dibromoethane
 Concen: 21.330 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	100510		
109	92.3	75.3	112.9	

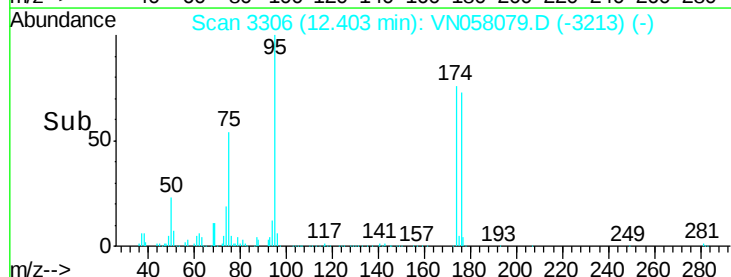
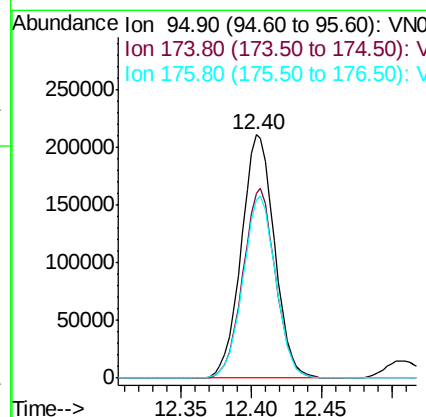
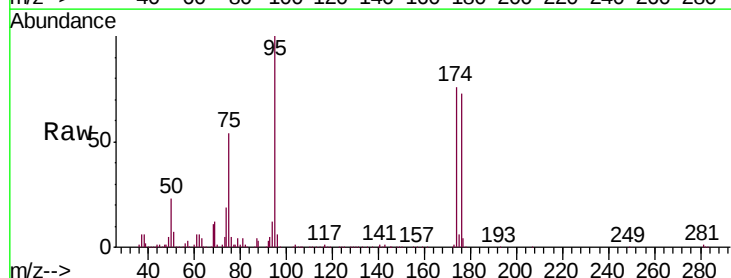
Manual Integrations
 APPROVED

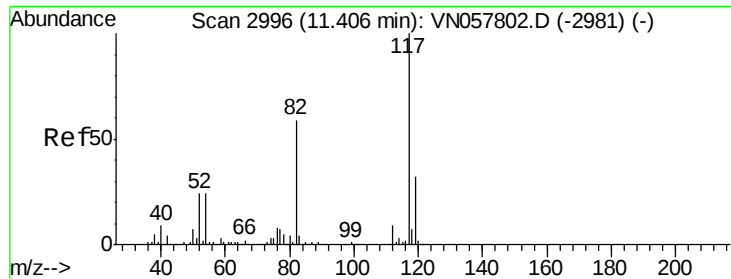
MMDadoda
 9/18/2019 1:56:09 PM



#62
 4-Bromofluorobenzene
 Concen: 47.613 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	347908		
174	76.4	0.0	150.2	
176	73.9	0.0	146.0	





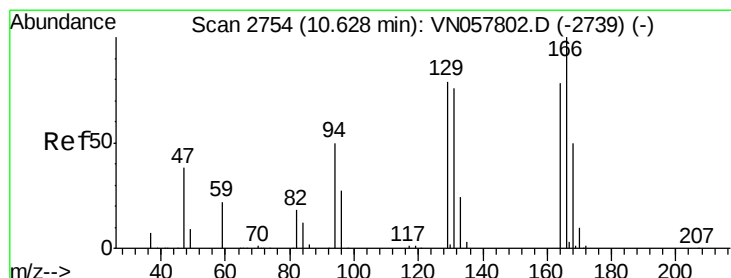
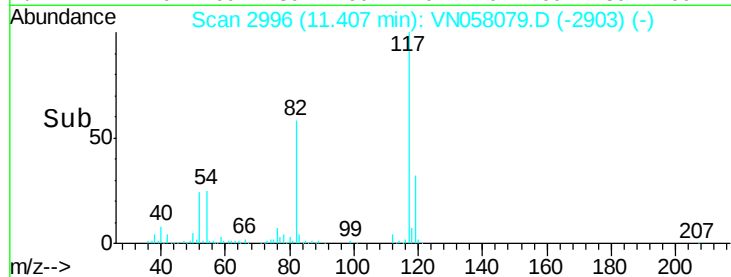
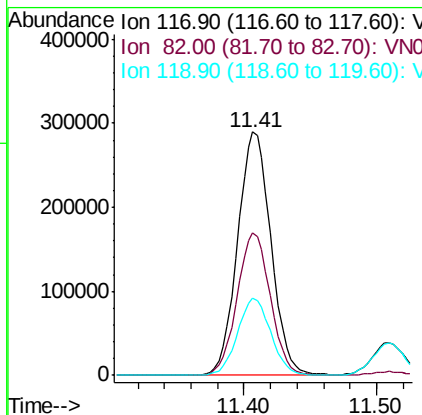
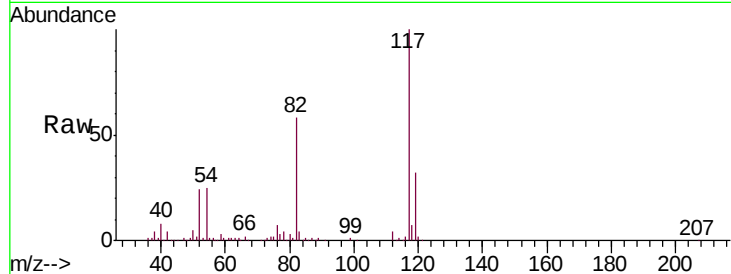
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	58.4	47.2	70.8
119	31.5	25.3	37.9

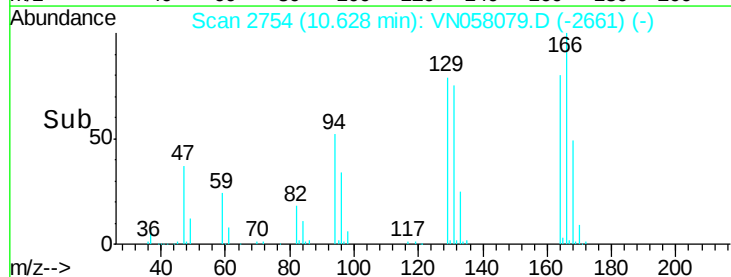
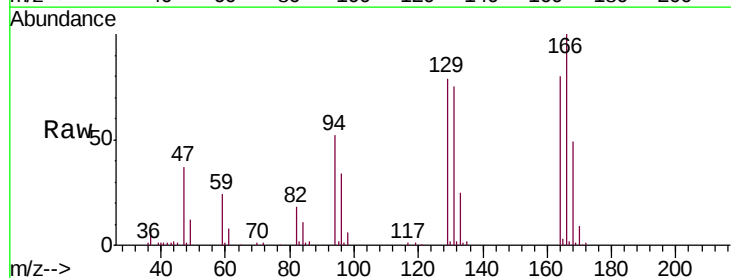
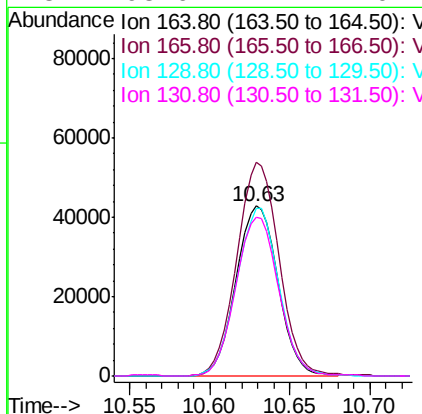
Manual Integrations
APPROVED

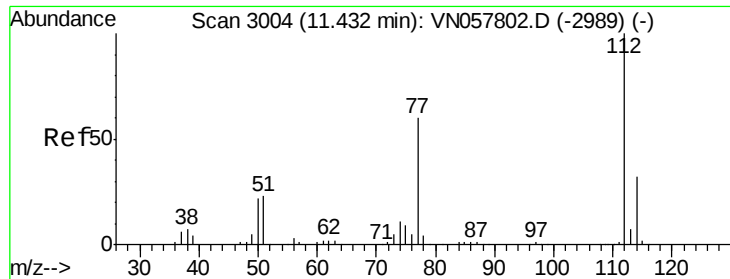
MMDadoda
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#64
Tetrachloroethene
Concen: 20.565 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	125.6	102.2	153.2
129	98.6	80.8	121.2
131	93.6	77.4	116.2





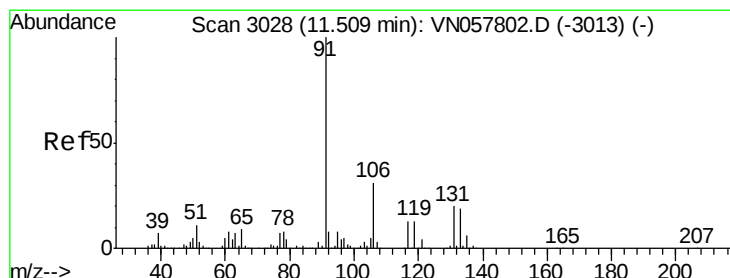
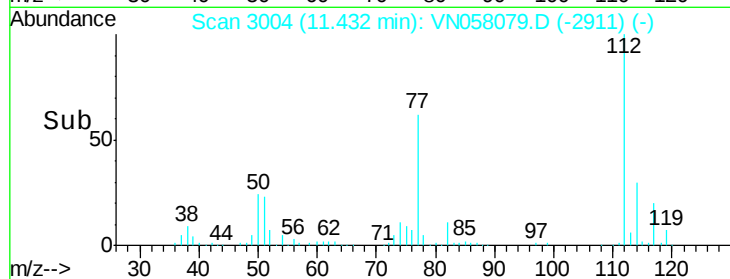
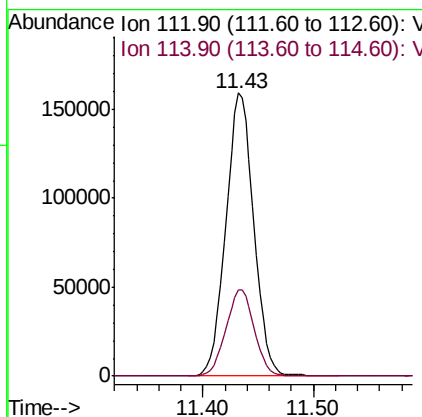
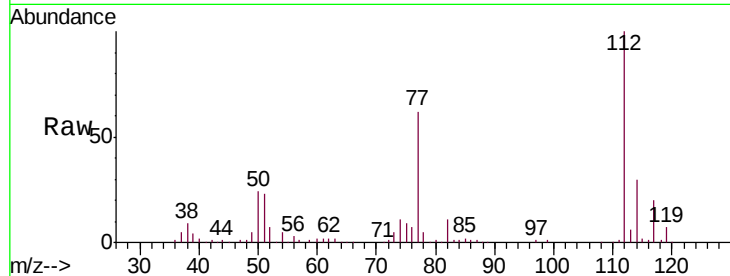
#65
Chlorobenzene
Concen: 21.048 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion:112 Resp: 278500
Ion Ratio Lower Upper
112 100
114 30.4 25.2 37.8

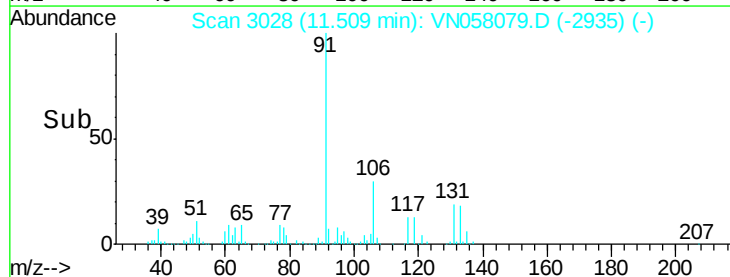
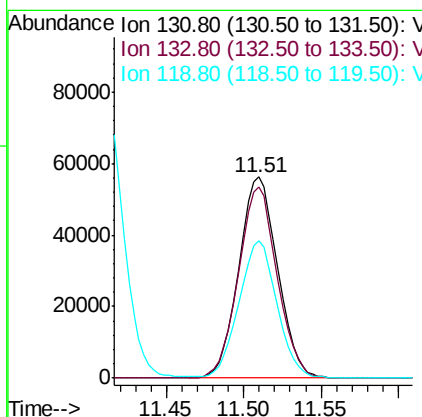
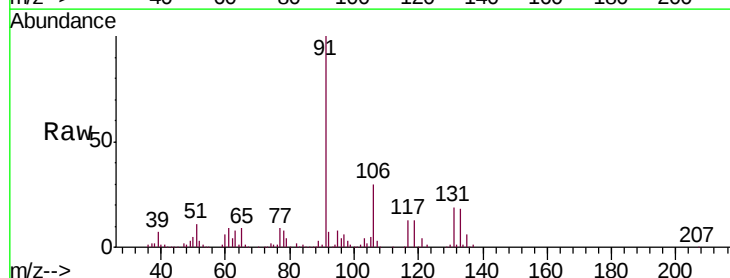
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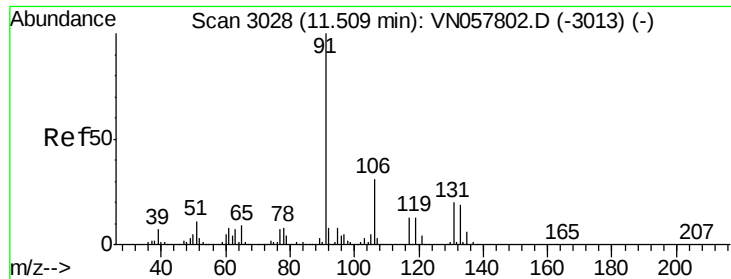
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.371 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion:131 Resp: 98122
Ion Ratio Lower Upper
131 100
133 94.9 47.1 141.3
119 67.1 33.3 99.8





#67

Ethyl Benzene

Concen: 21.084 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 91 Resp: 488916

Ion Ratio Lower Upper

91 100

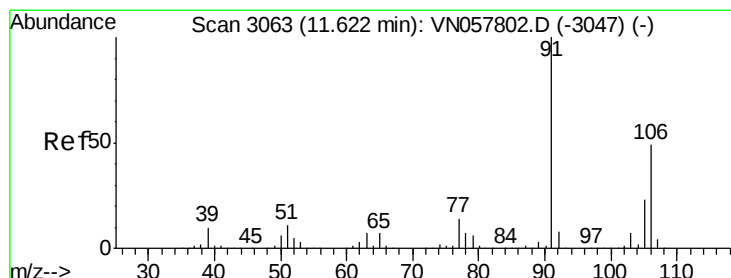
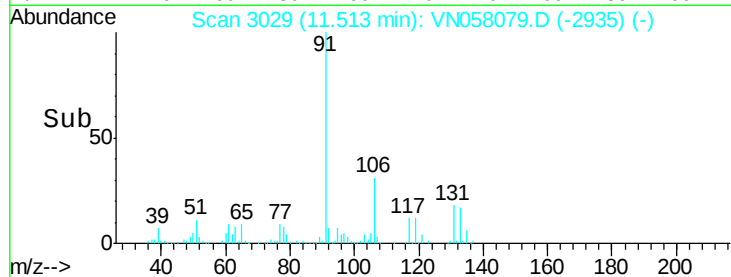
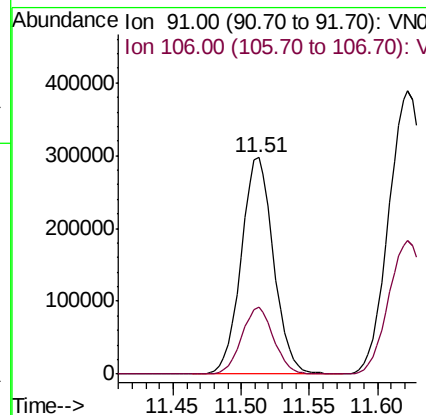
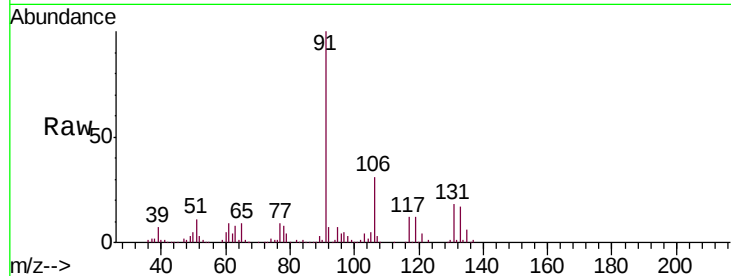
106 30.7 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.640 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058079.D

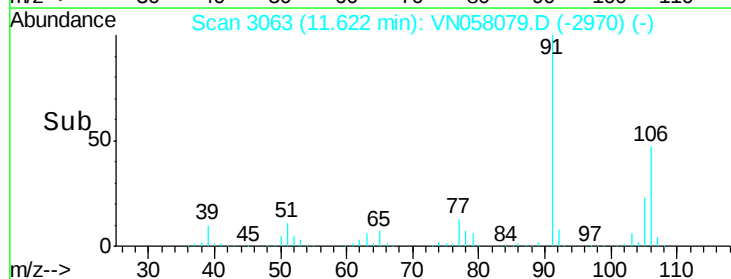
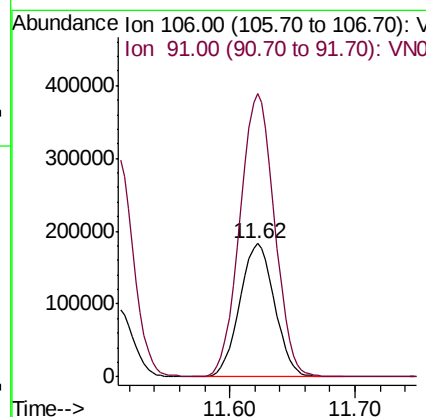
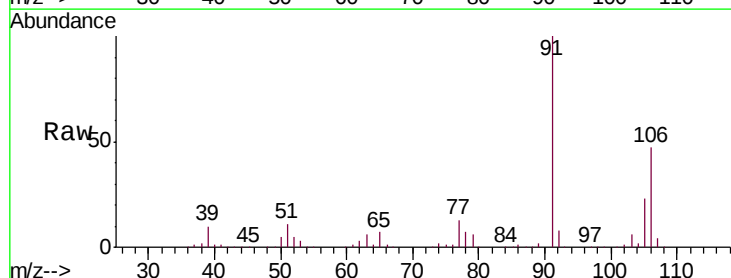
Acq: 15 Sep 2019 9:45

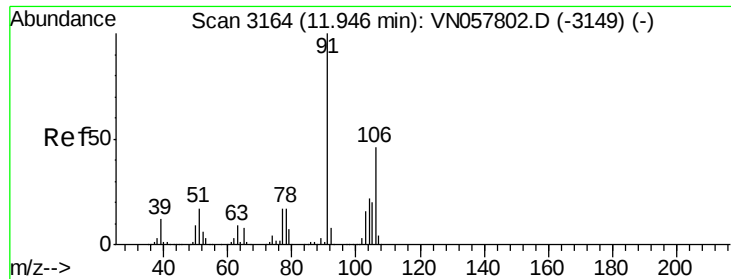
Tgt Ion: 106 Resp: 353694

Ion Ratio Lower Upper

106 100

91 210.3 165.8 248.6





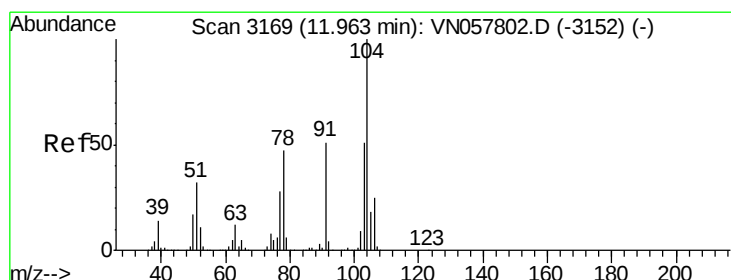
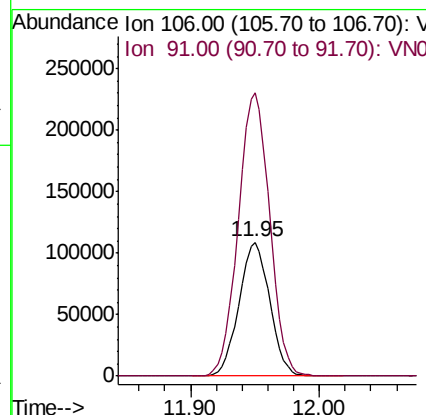
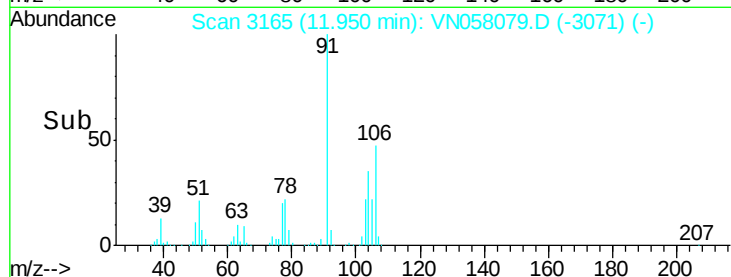
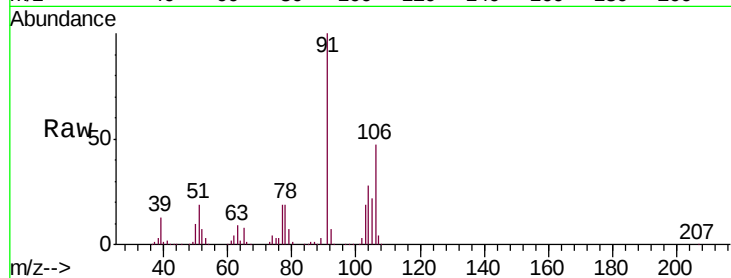
#69
o-Xylene
Concen: 21.362 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampled :
VN0915WBS01

Tgt Ion:106 Resp: 180393
Ion Ratio Lower Upper
106 100
91 216.0 108.7 326.1

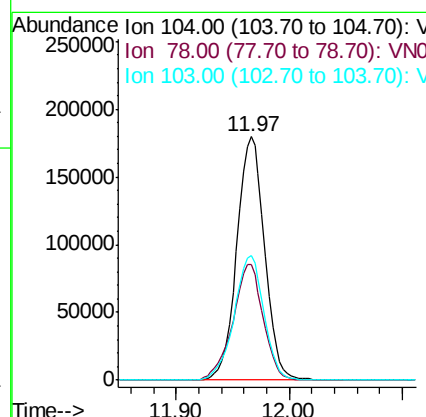
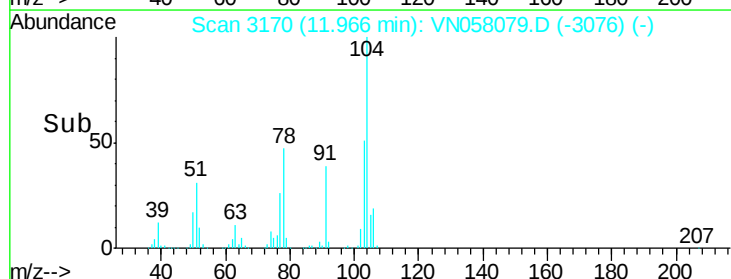
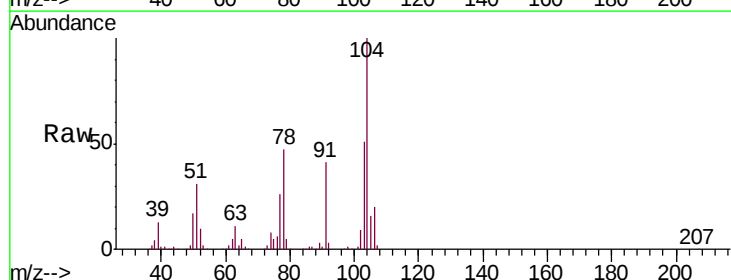
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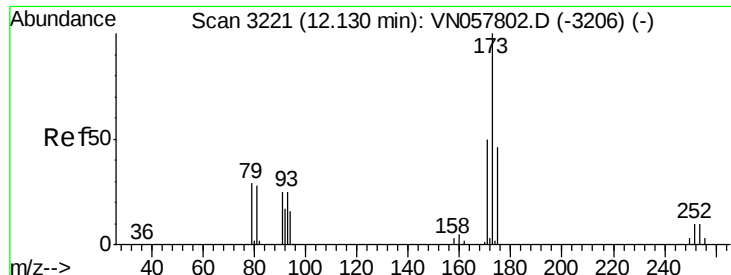
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#70
Styrene
Concen: 21.159 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion:104 Resp: 307501
Ion Ratio Lower Upper
104 100
78 51.8 41.3 61.9
103 54.6 43.7 65.5





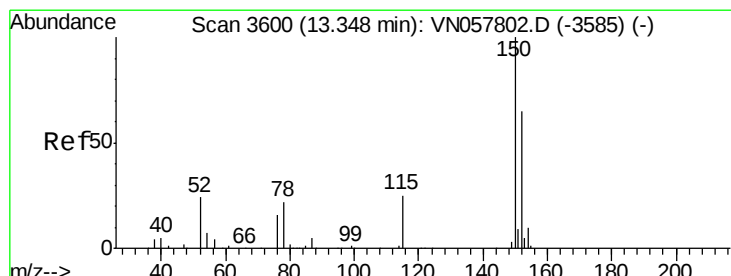
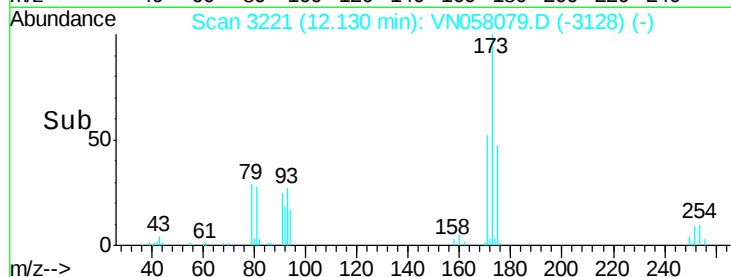
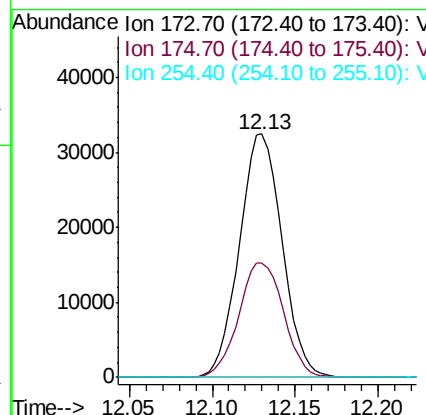
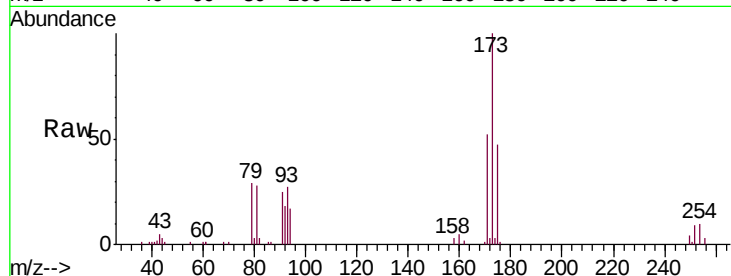
#71
 Bromoform
 Concen: 20.289 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.0	0.1	0.1#

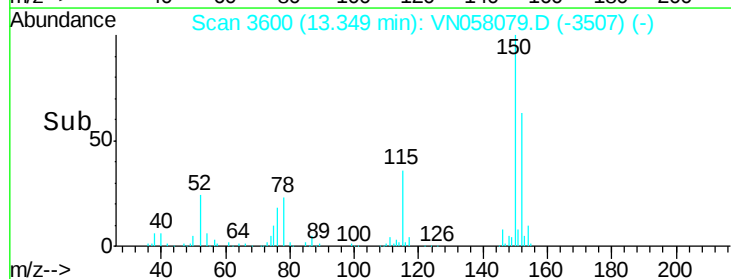
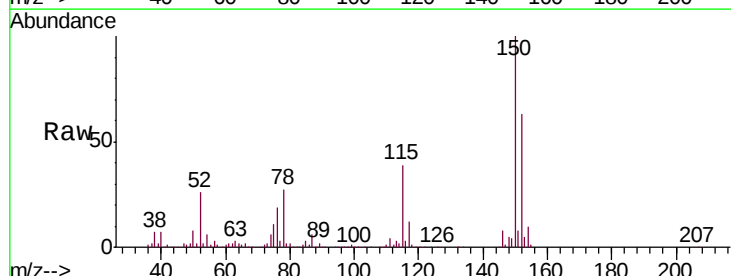
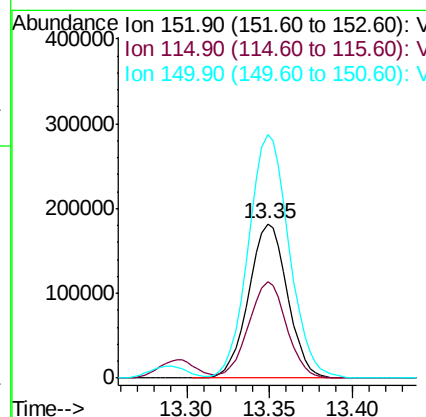
Manual Integrations
 APPROVED

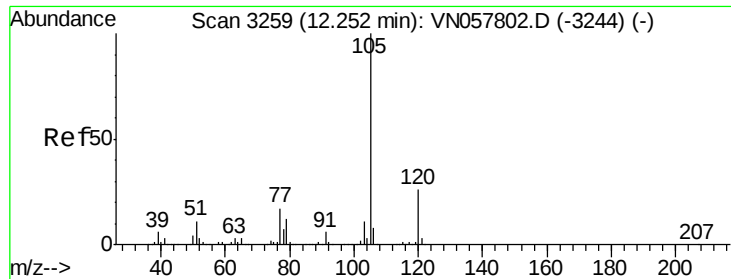
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	91.0
150	165.6	0.0	352.4





#73

Isopropylbenzene

Concen: 21.887 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 105 Resp: 501255

Ion Ratio Lower Upper

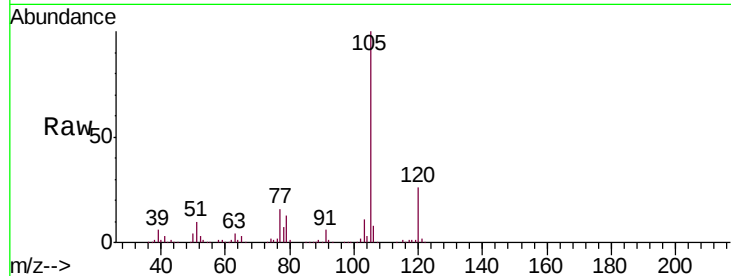
105 100

120 25.3 12.8 38.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

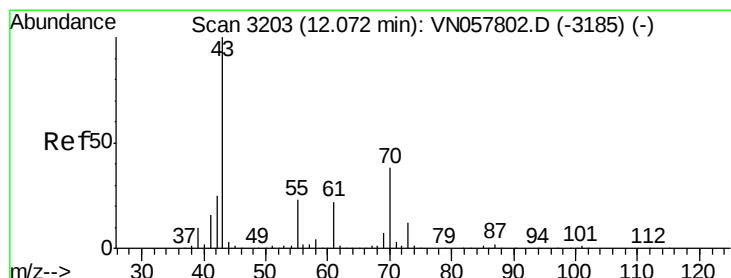
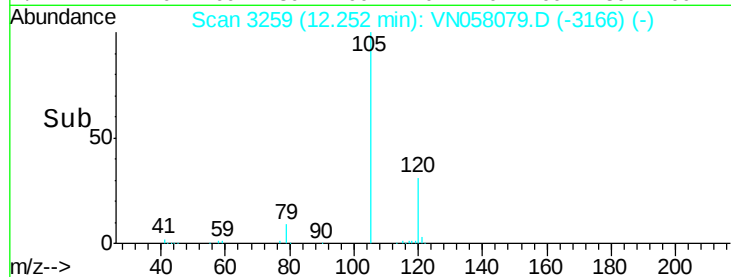
200000

100000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 20.008 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion: 43 Resp: 199418

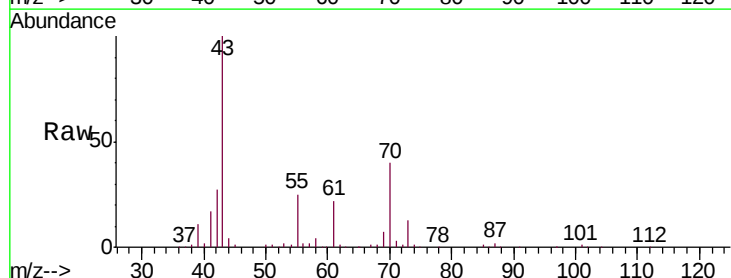
Ion Ratio Lower Upper

43 100

70 39.7 30.6 45.8

55 24.9 18.6 27.8

61 22.3 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

200000

150000

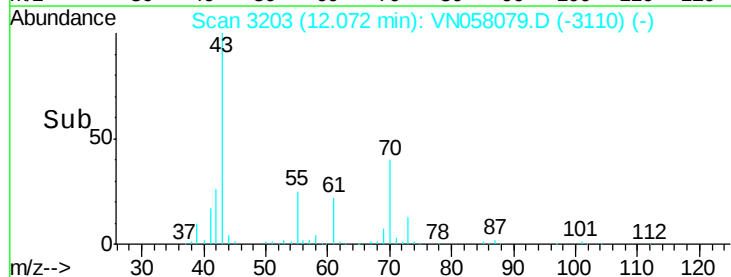
100000

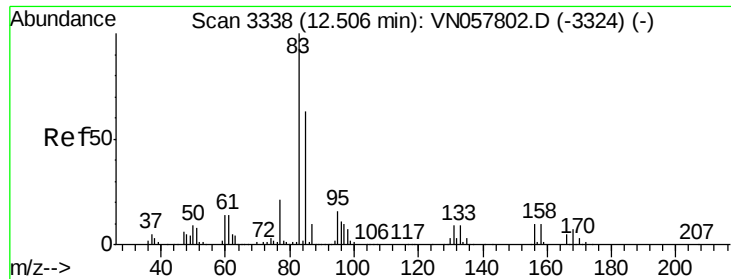
50000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.866 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

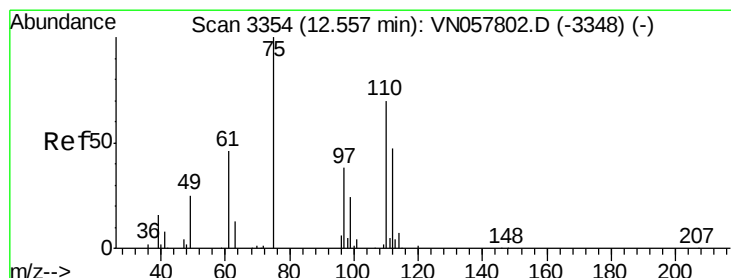
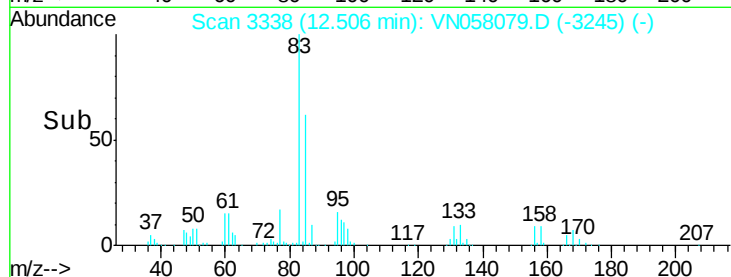
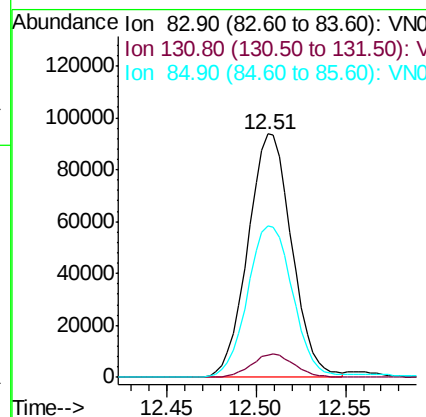
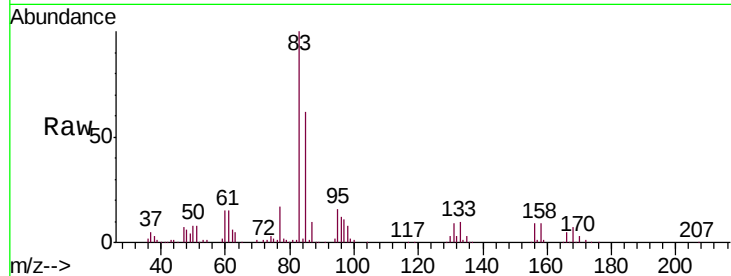
ClientSampleId :

VN0915WBS01

Tgt Ion:	83	Resp:	160895
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	64.2	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.798 ug/l m

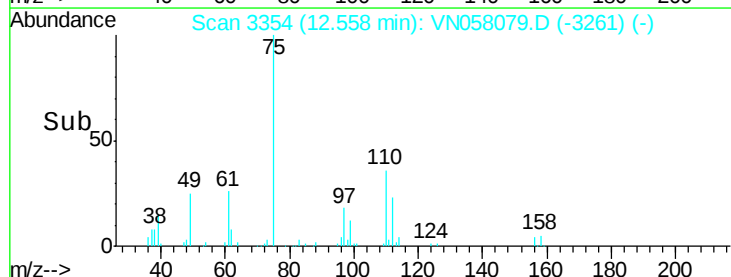
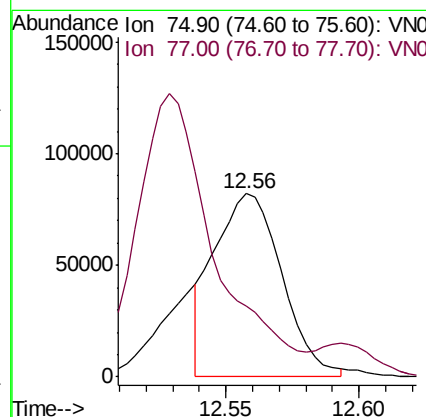
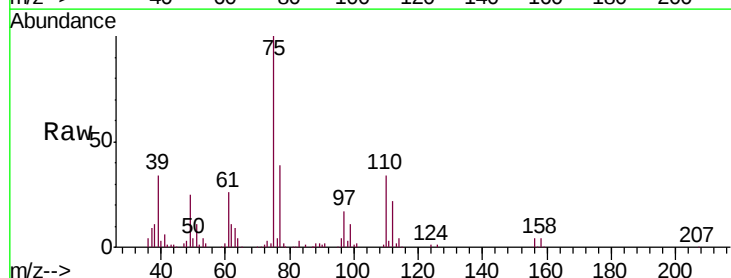
RT: 12.56 min Scan# 3354

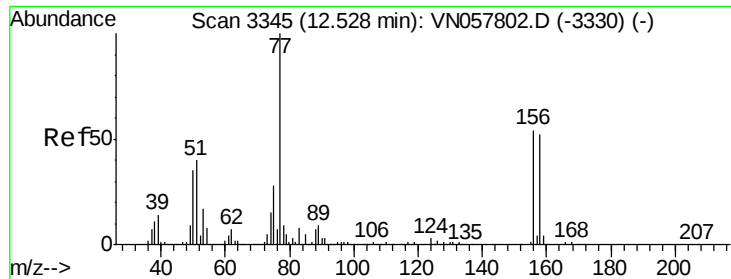
Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion:	75	Resp:	145533
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.374 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

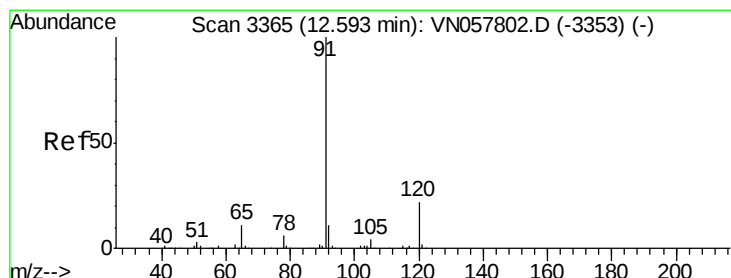
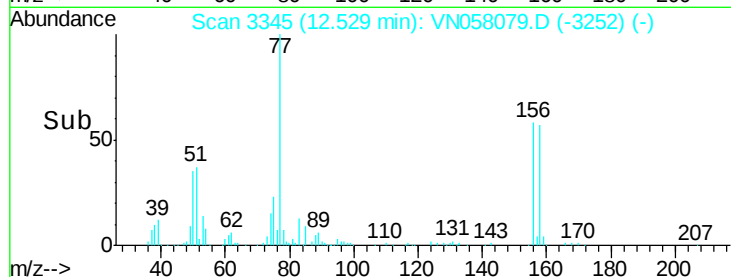
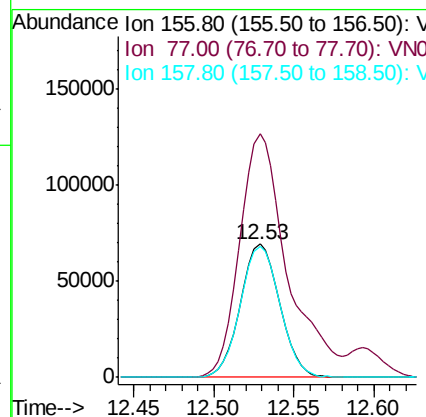
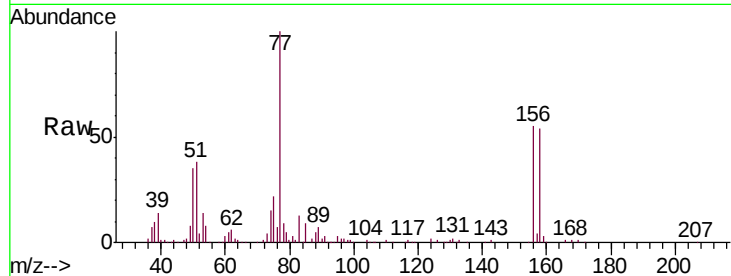
ClientSampleId :

VN0915WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	222.4	113.7	341.1
158	99.5	48.5	145.6

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#78

n-propylbenzene

Concen: 22.308 ug/l

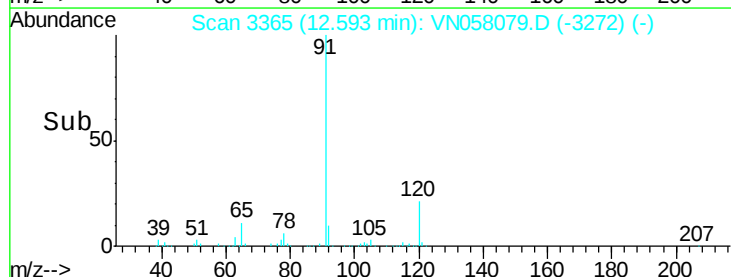
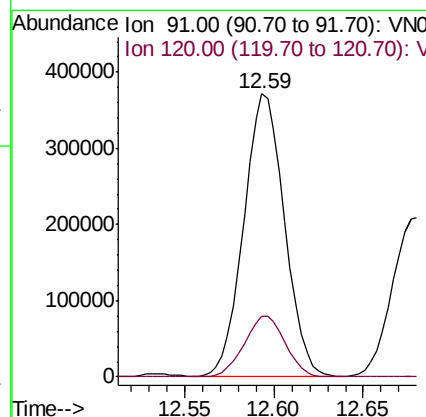
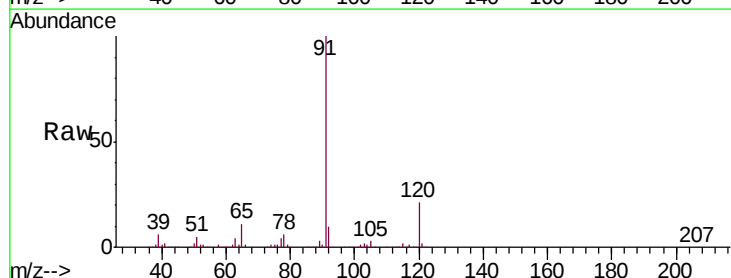
RT: 12.59 min Scan# 3365

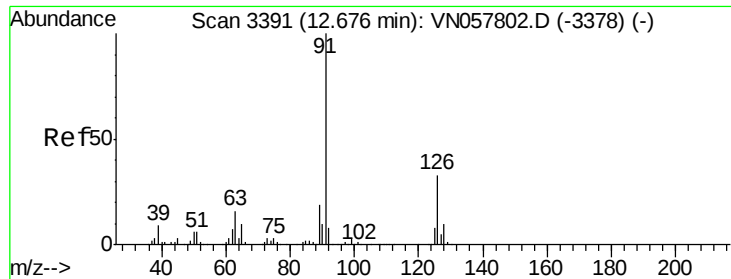
Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.896 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tgt Ion: 91 Resp: 347323

Ion Ratio Lower Upper

91 100

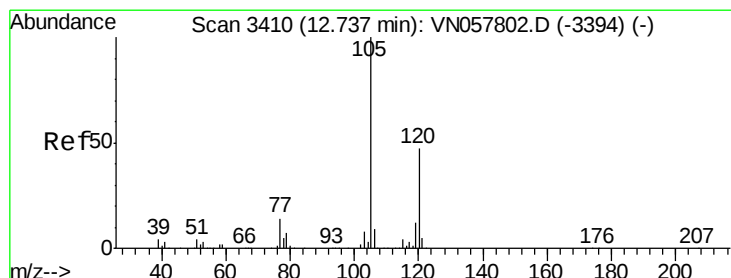
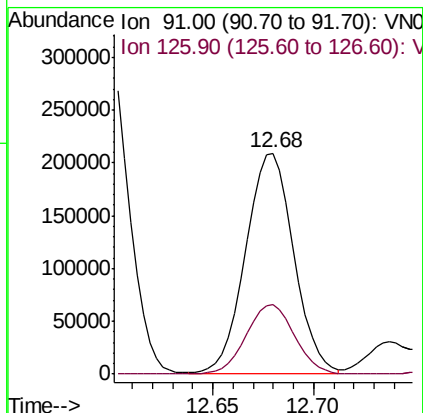
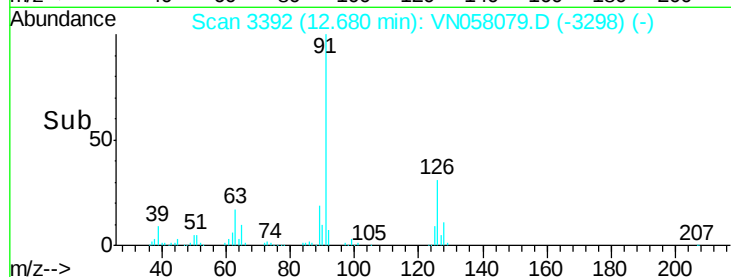
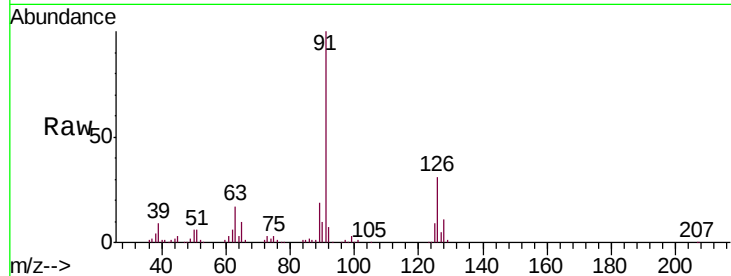
126 31.9 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.899 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058079.D

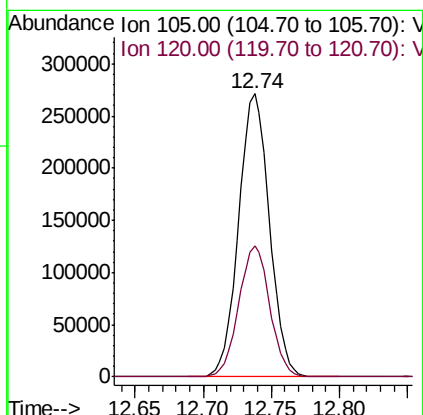
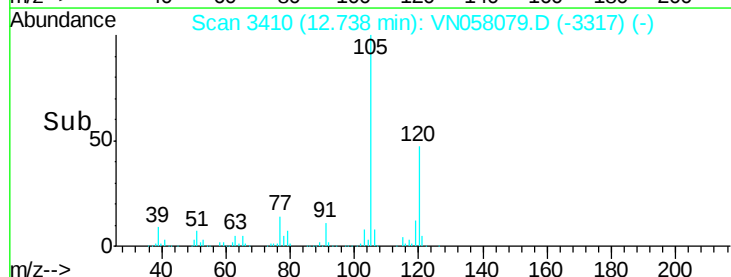
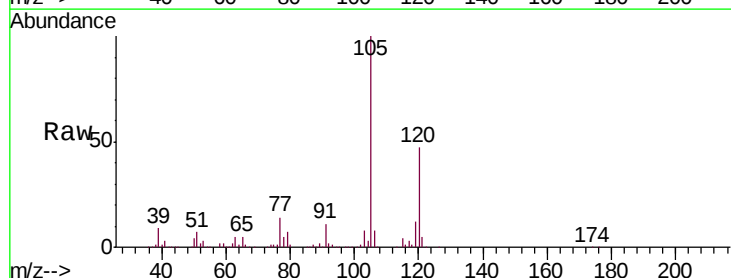
Acq: 15 Sep 2019 9:45

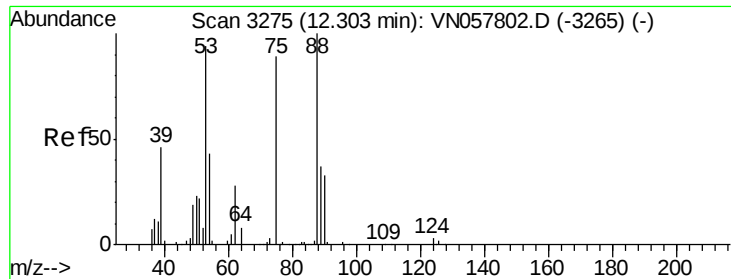
Tgt Ion: 105 Resp: 423752

Ion Ratio Lower Upper

105 100

120 46.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.932 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Instrument :

MSVOA_N

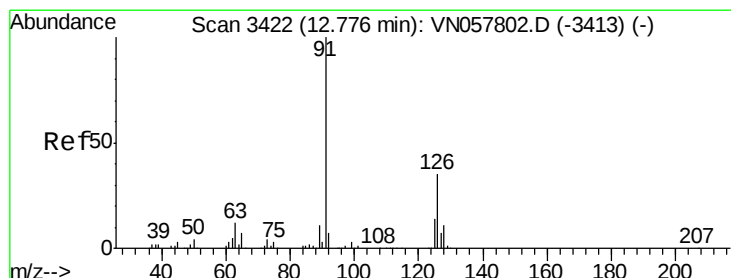
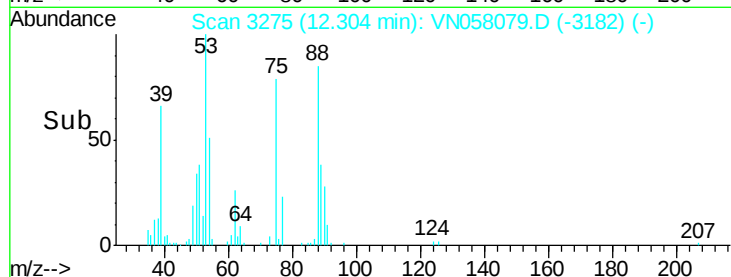
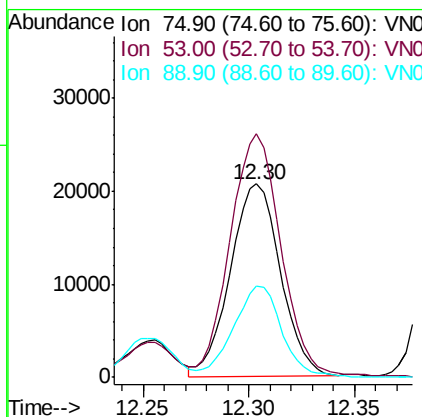
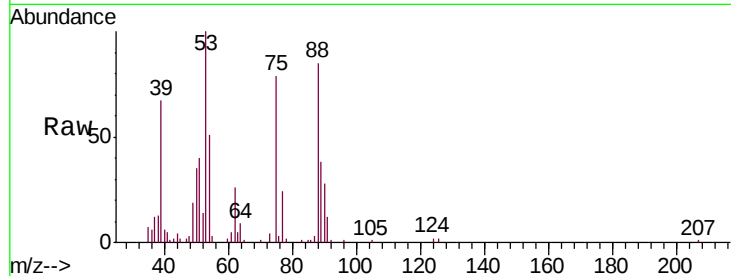
ClientSampleId :

VN0915WBS01

Tgt Ion:	75	Resp:	34022
Ion	Ratio	Lower	Upper
75	100		
53	128.4	88.4	132.6
89	46.1	35.3	52.9

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#82

4-Chlorotoluene

Concen: 20.896 ug/l

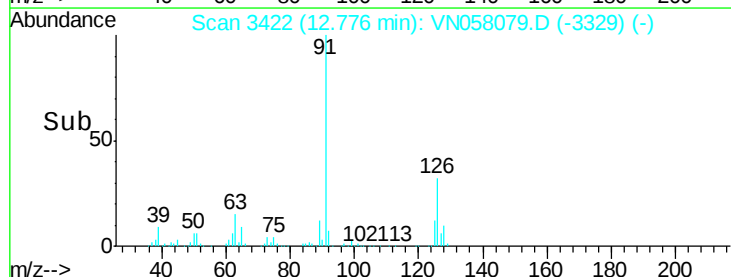
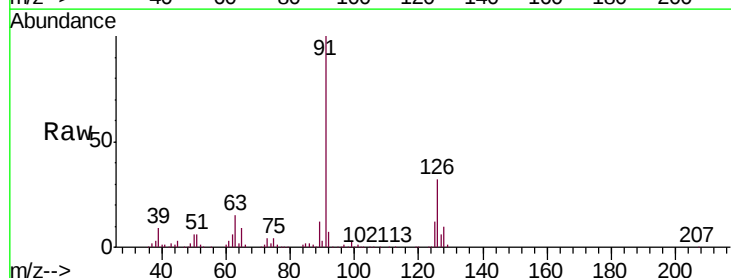
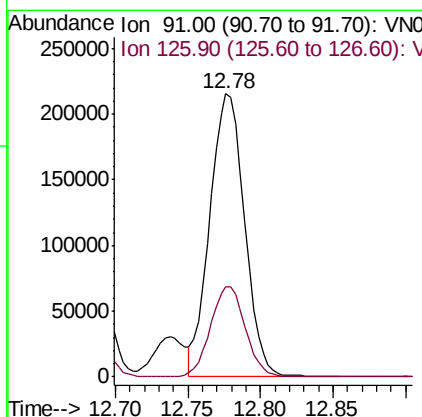
RT: 12.78 min Scan# 3422

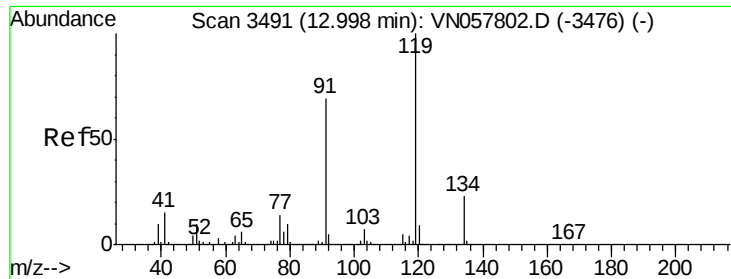
Delta R.T. 0.00 min

Lab File: VN058079.D

Acq: 15 Sep 2019 9:45

Tgt Ion:	91	Resp:	356666
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0





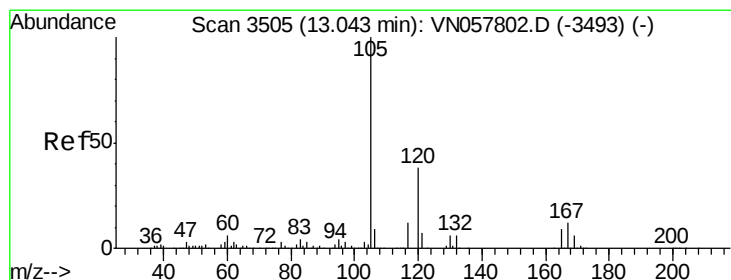
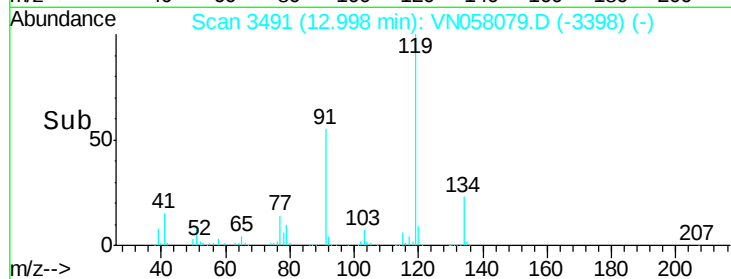
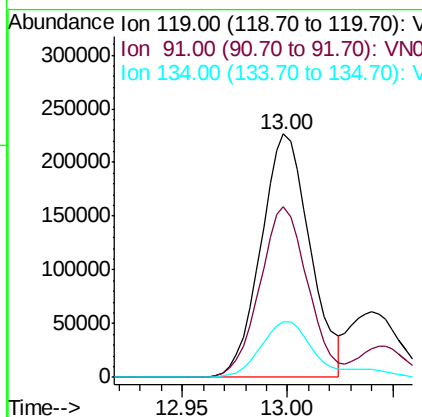
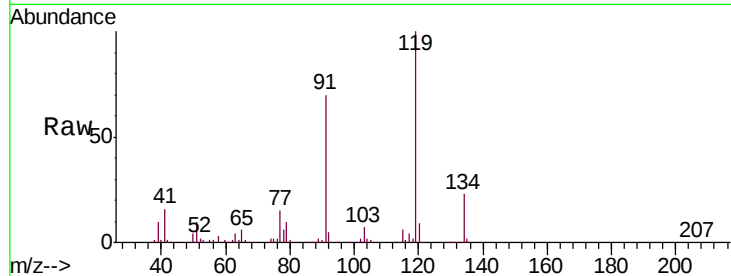
#83
 tert-Butylbenzene
 Concen: 21.357 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	367357		
91	68.6	33.6	100.8	
134	23.7	11.7	35.0	

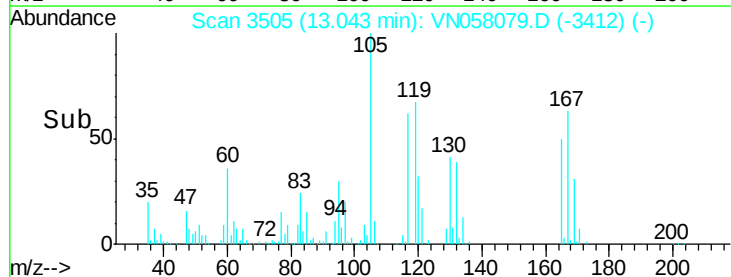
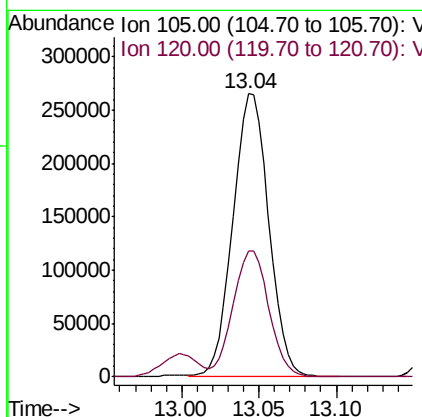
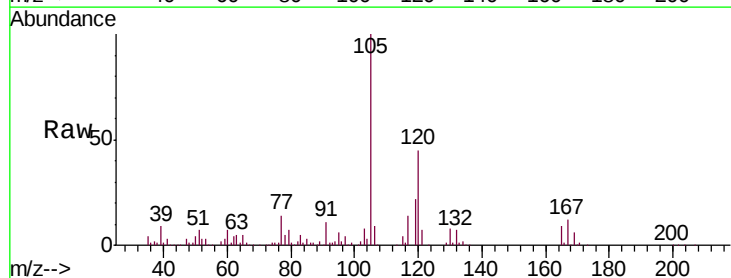
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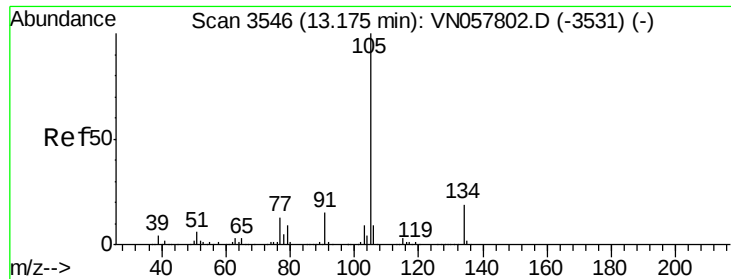
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.581 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	424426		
120	44.7	22.4	67.2	





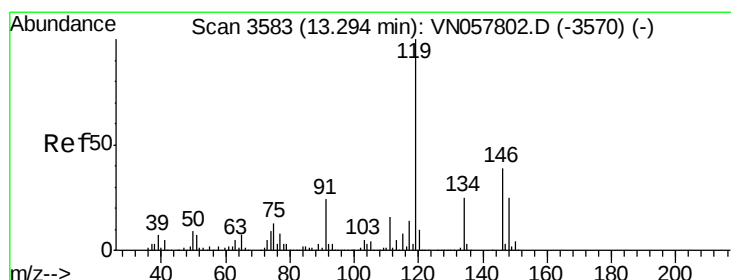
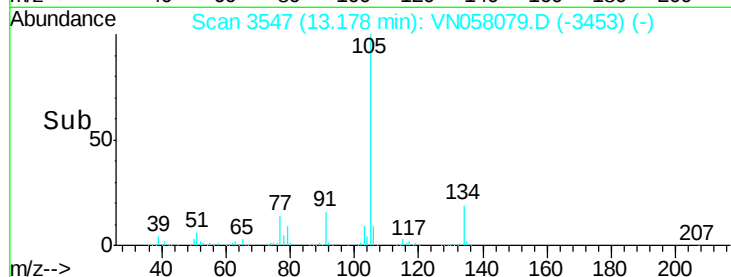
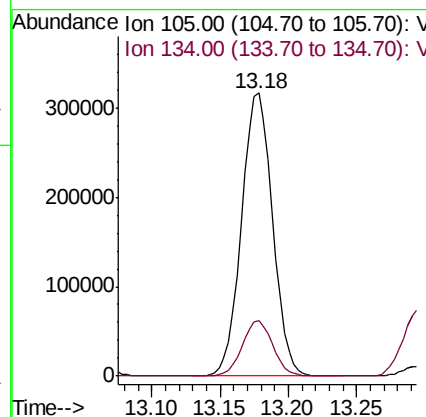
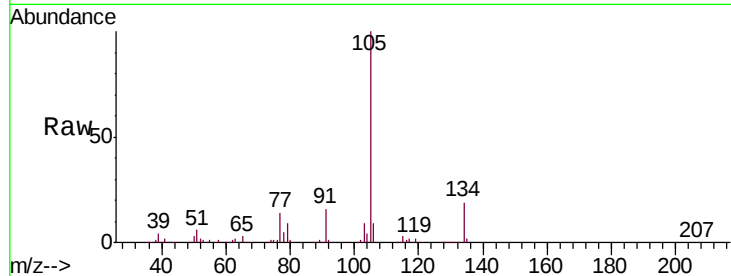
#85
 sec-Butylbenzene
 Concen: 21.881 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	498862		
134	19.2	9.6	28.6	

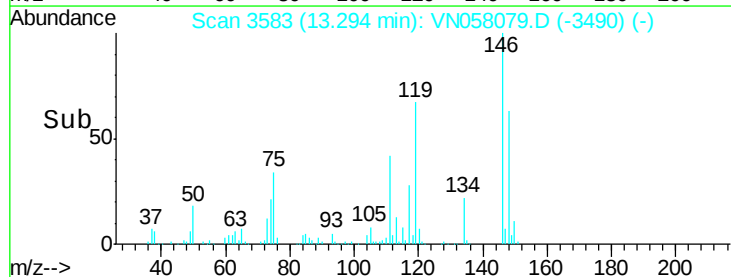
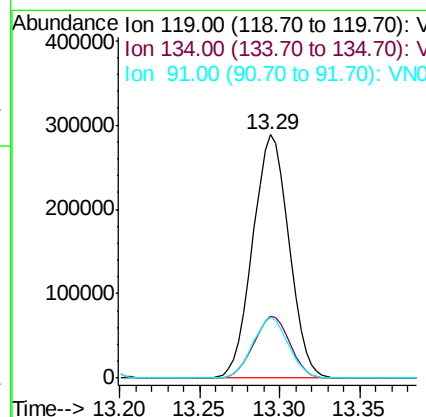
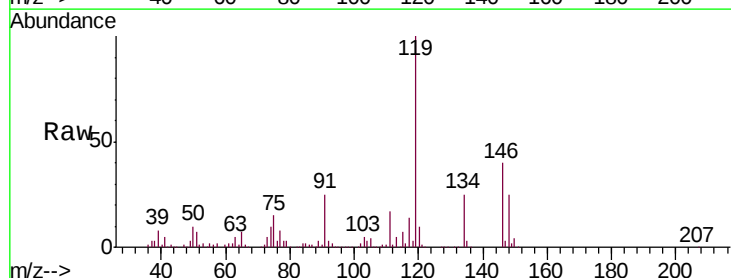
Manual Integrations
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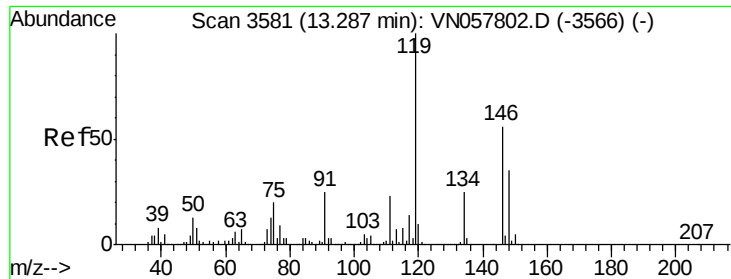
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#86
 p-Isopropyltoluene
 Concen: 22.246 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	446866		
134	25.6	12.5	37.5	
91	24.5	12.3	36.8	





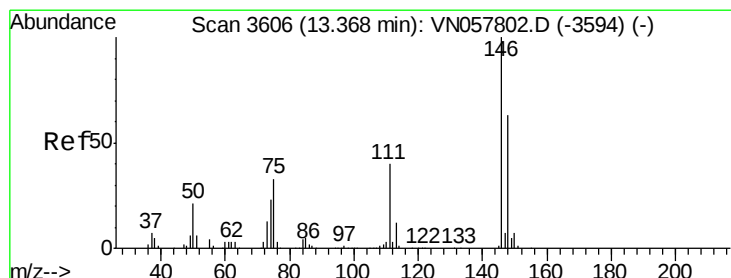
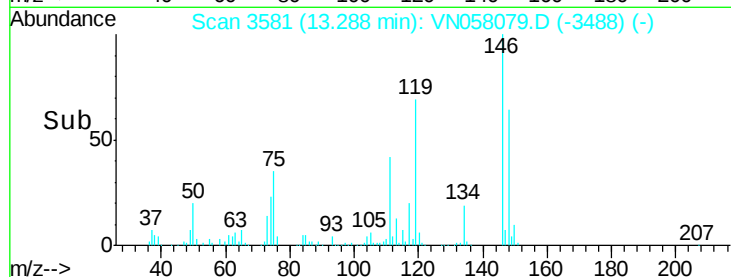
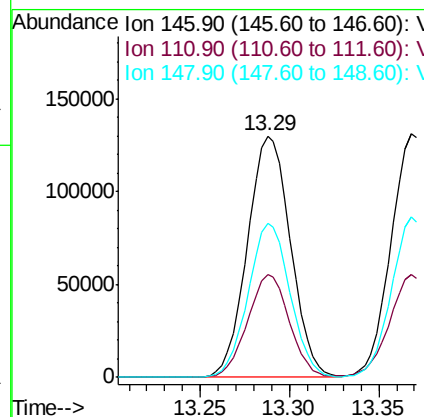
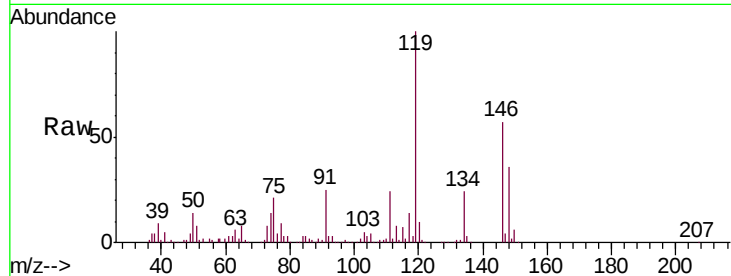
#87
 1,3-Dichlorobenzene
 Concen: 20.944 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	41.2	20.5	61.6
148	62.0	31.5	94.5

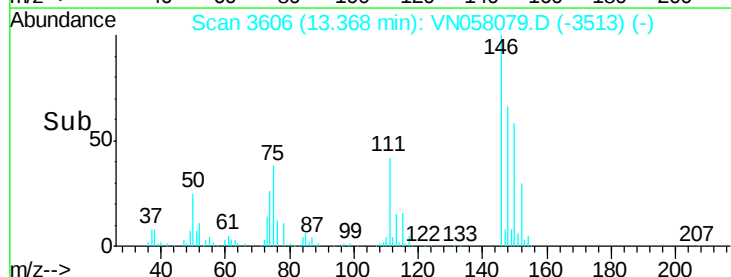
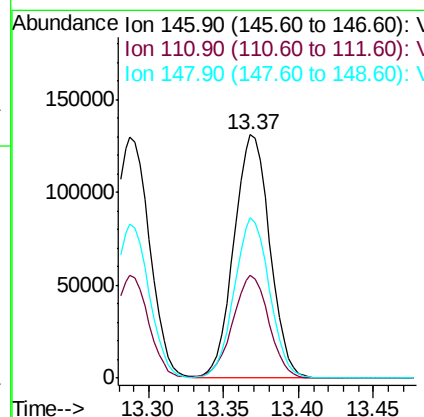
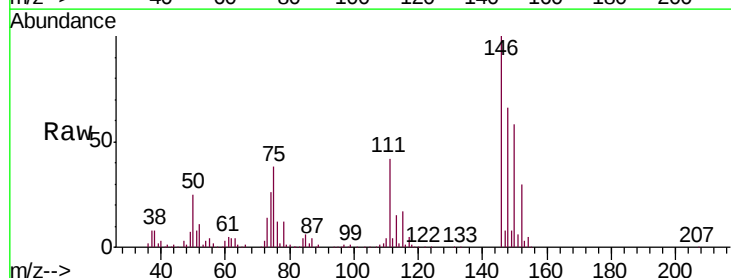
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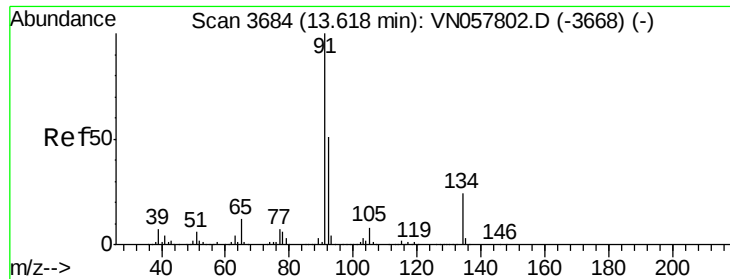
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#88
 1,4-Dichlorobenzene
 Concen: 20.539 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	42.9	20.4	61.2
148	64.5	31.8	95.4





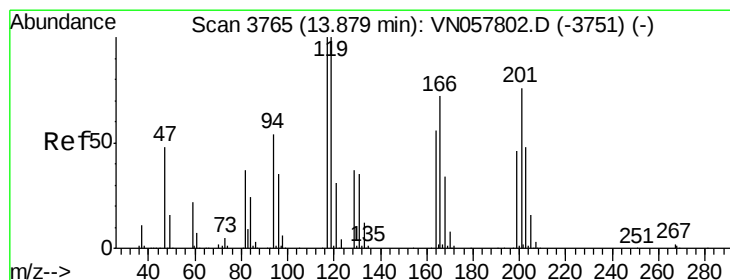
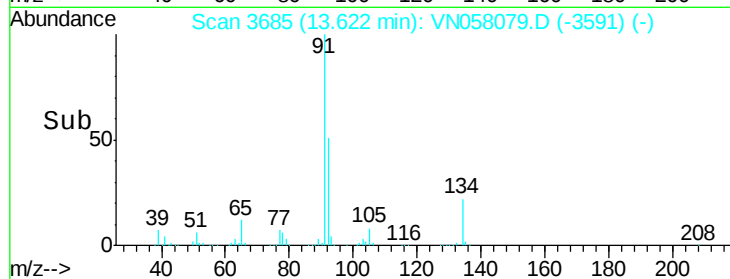
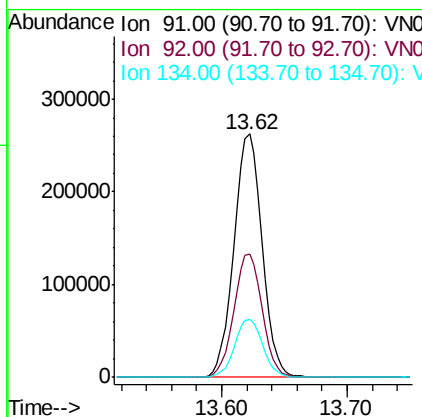
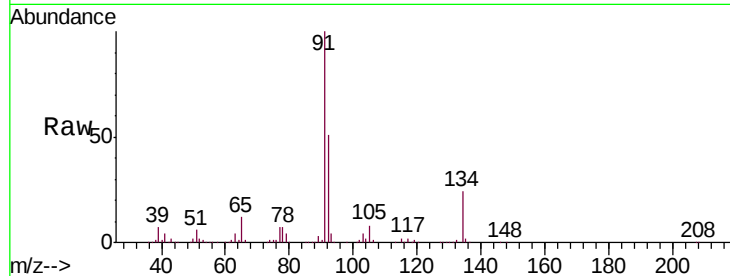
#89
n-Butylbenzene
Concen: 21.588 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.7	77.0
134	23.8	11.9	35.7

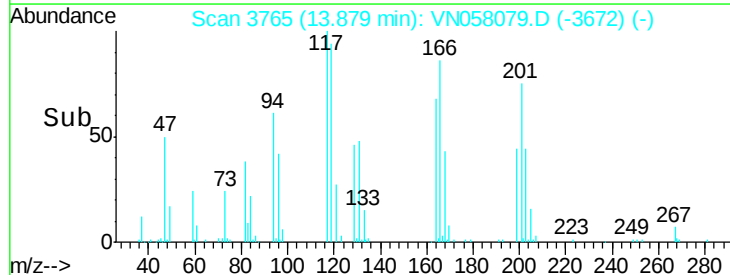
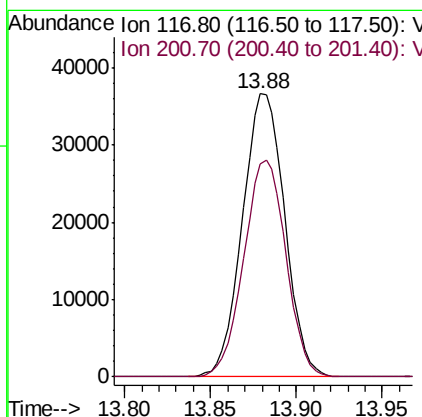
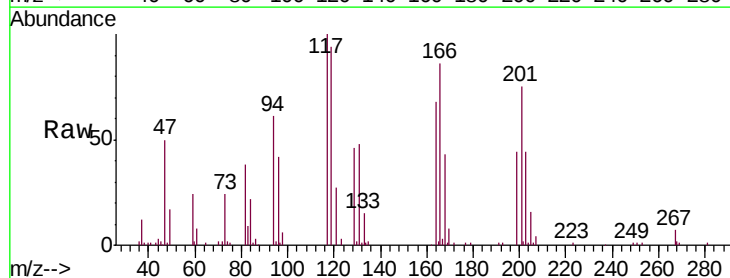
Manual Integrations
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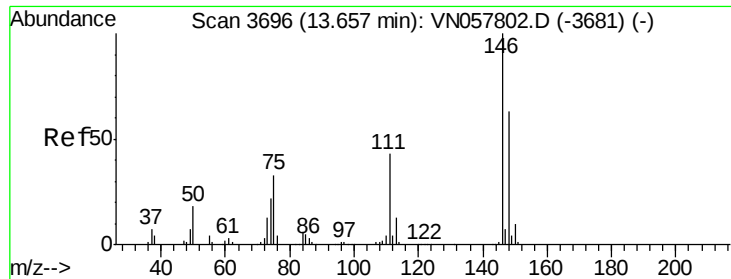
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#90
Hexachloroethane
Concen: 20.958 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	37.5	112.7





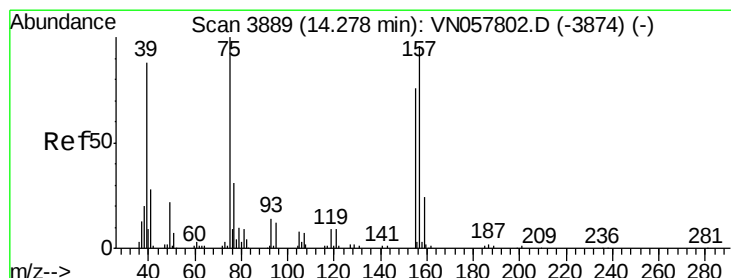
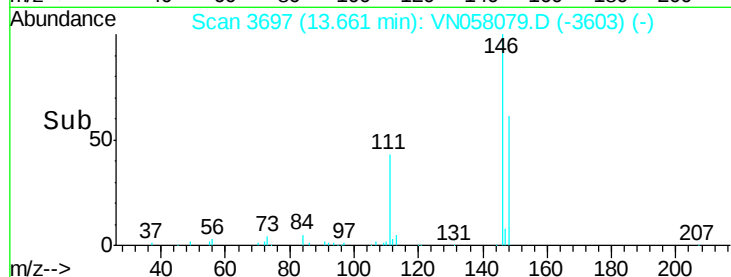
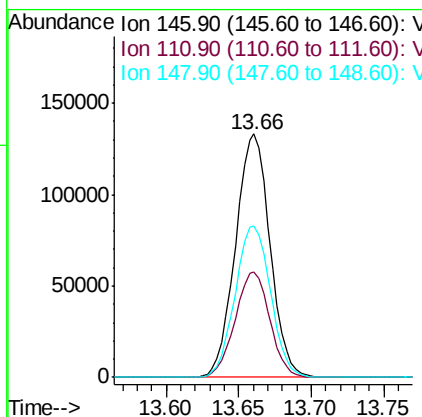
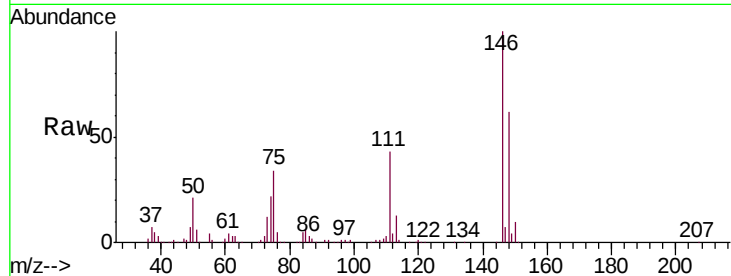
#91
 1,2-Dichlorobenzene
 Concen: 21.016 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	220052		
111	43.5	21.3	63.9	
148	64.1	31.4	94.3	

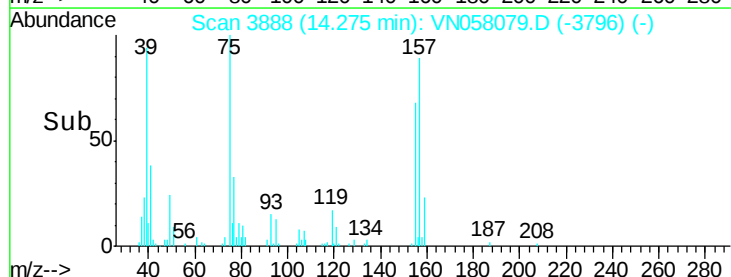
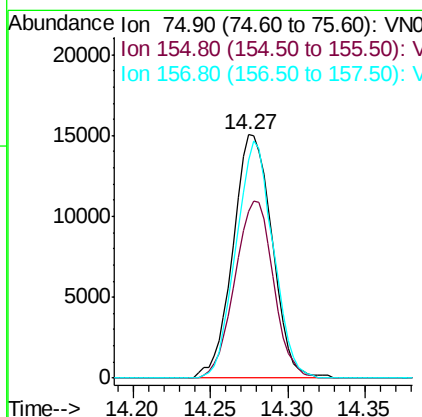
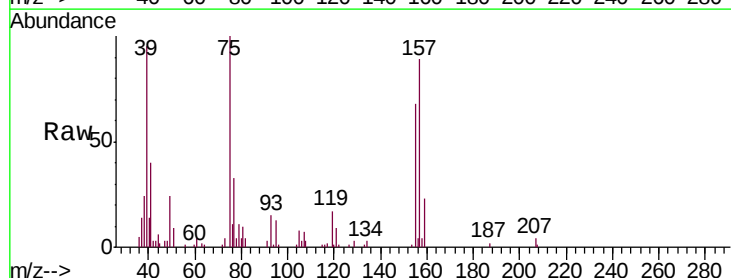
Manual Integrations
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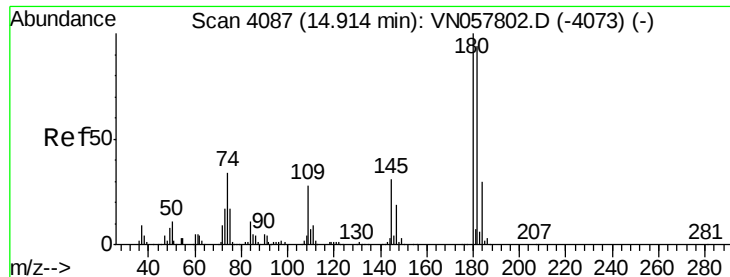
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 9/18/2019 1:56:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.795 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26481		
155	71.7	37.3	111.8	
157	92.3	47.9	143.8	





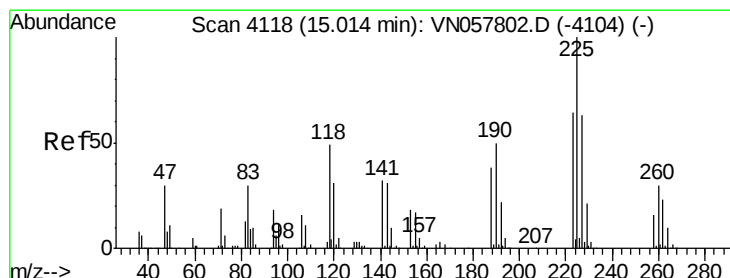
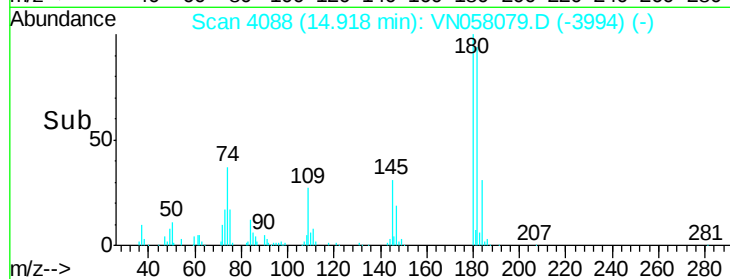
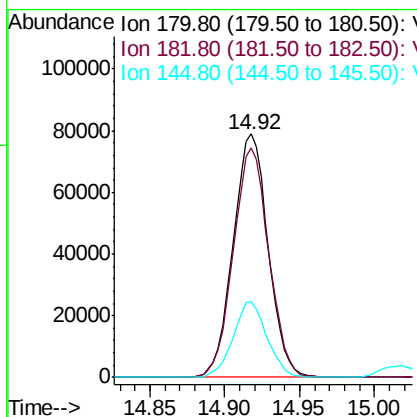
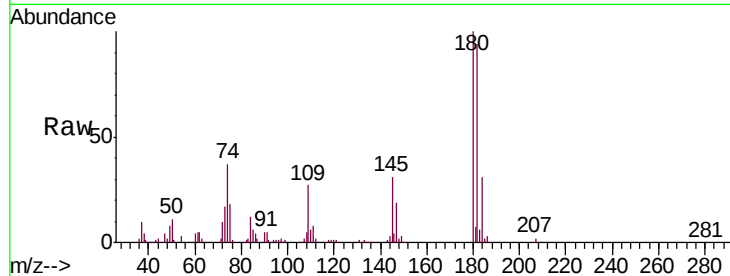
#93
 1,2,4-Trichlorobenzene
 Concen: 18.773 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.5	46.9	140.8
145	30.2	14.9	44.7

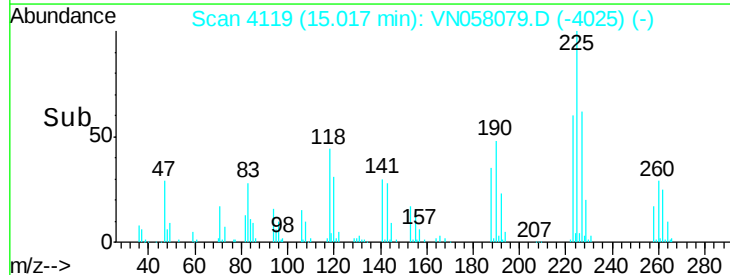
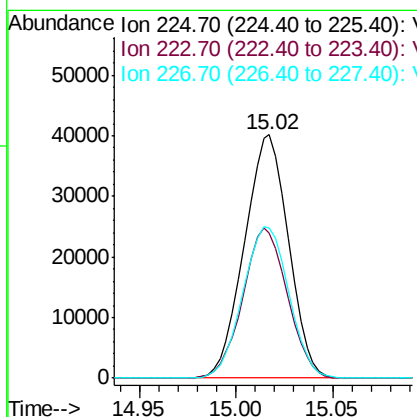
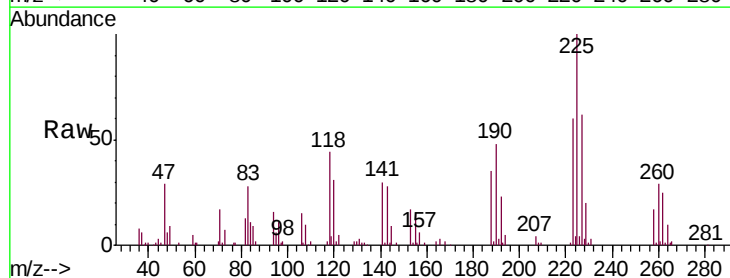
Manual Integrations
 APPROVED

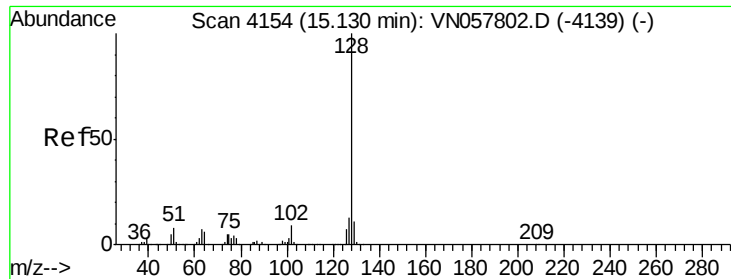
MMDadoda
 9/18/2019 1:56:09 PM



#94
 Hexachlorobutadiene
 Concen: 21.943 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058079.D
 Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.1	32.4	97.2
227	64.7	31.8	95.4





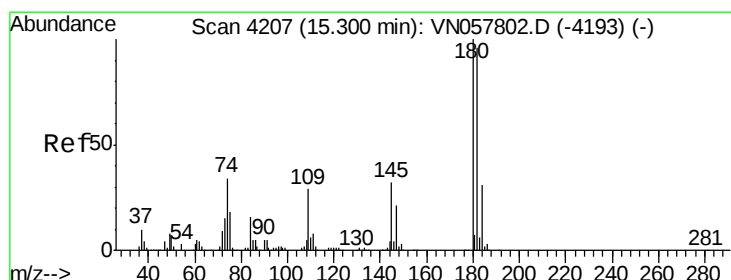
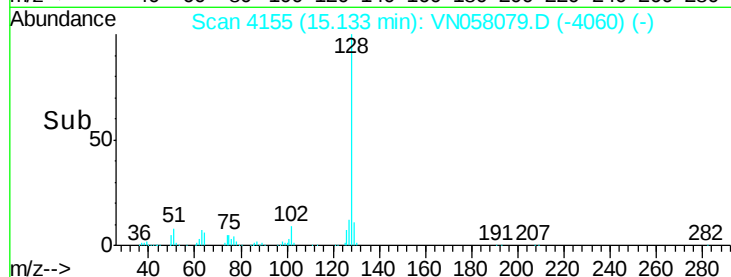
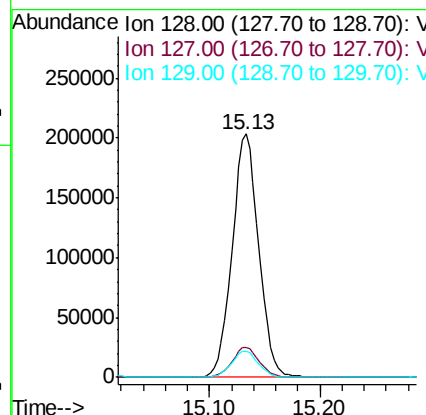
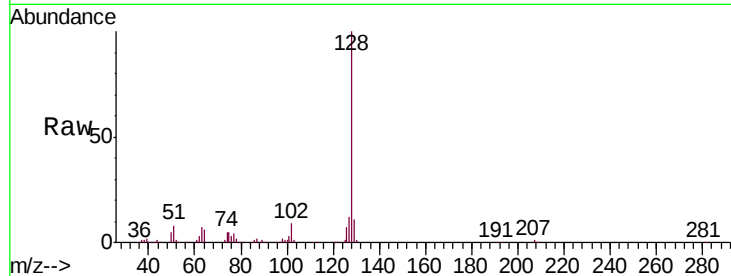
#95
Naphthalene
Concen: 18.568 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	337871		
127	12.8	10.3	15.5	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.955 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058079.D
Acq: 15 Sep 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	121663		
182	95.6	48.3	144.8	
145	32.1	16.3	48.8	

