

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057362.D
 Acq On : 16 Aug 2019 18:46
 Operator : JC/SP
 Sample : VN0818WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:19:27 PM

Quant Time: Aug 19 09:15:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	913608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1346356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1201112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	391017	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	470672	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
35) Dibromofluoromethane	7.58	113	432983	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.08	98	1620922	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.40	95	492793	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	140293	17.845	ug/l	94
3) Chloromethane	2.06	50	168578	18.167	ug/l	99
4) Vinyl Chloride	2.18	62	156843	17.966	ug/l	99
5) Bromomethane	2.54	94	128615m	20.668	ug/l	
6) Chloroethane	2.69	64	110283	18.365	ug/l	98
7) Trichlorofluoromethane	3.02	101	255607	18.666	ug/l	100
8) Diethyl Ether	3.40	74	98380	19.088	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153445	19.073	ug/l	99
10) Methyl Iodide	3.95	142	250393	19.471	ug/l	98
11) Tert butyl alcohol	4.76	59	128440	90.965	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	152245	18.993	ug/l	97
13) Acrolein	3.60	56	55384	64.614	ug/l	97
14) Allyl chloride	4.32	41	233537	18.175	ug/l	99
15) Acrylonitrile	4.97	53	363758	94.893	ug/l	99
16) Acetone	3.81	43	273707	79.442	ug/l	96
17) Carbon Disulfide	4.05	76	389364	18.030	ug/l	99
18) Methyl Acetate	4.31	43	178985	17.888	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	483248	19.213	ug/l	99
20) Methylene Chloride	4.54	84	179606	18.632	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	162699	18.874	ug/l	90
22) Diisopropyl ether	5.94	45	481888	18.985	ug/l	98
23) Vinyl Acetate	5.88	43	1897984	92.910	ug/l	99
24) 1,1-Dichloroethane	5.84	63	293402	18.788	ug/l	100
25) 2-Butanone	6.82	43	441215	88.433	ug/l	94
26) 2,2-Dichloropropane	6.82	77	227171	18.000	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	195155	19.123	ug/l	97
28) Bromochloromethane	7.18	49	132024	19.028	ug/l #	97
29) Tetrahydrofuran	7.20	42	289237	91.605	ug/l	97
30) Chloroform	7.36	83	307963	18.818	ug/l	99
31) Cyclohexane	7.64	56	248480	18.361	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	266035	19.327	ug/l	98
36) 1,1-Dichloropropene	7.78	75	216832	18.240	ug/l	99
37) Ethyl Acetate	6.91	43	188477	19.358	ug/l	98
38) Carbon Tetrachloride	7.77	117	232934	18.859	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	253990	18.298	ug/l	98
40) Benzene	8.03	78	686707	18.887	ug/l	99
41) Methacrylonitrile	7.17	41	107848m	24.597	ug/l	
42) 1,2-Dichloroethane	8.12	62	227026	18.866	ug/l	99
43) Isopropyl Acetate	8.16	43	313487	16.858	ug/l	96
44) Trichloroethene	8.83	130	198165	19.386	ug/l	98
45) 1,2-Dichloropropane	9.11	63	179888	19.194	ug/l	99
46) Dibromomethane	9.20	93	117032	18.718	ug/l	96
47) Bromodichloromethane	9.40	83	235848	19.039	ug/l	99
48) Methyl methacrylate	9.19	41	147086	18.345	ug/l	97
49) 1,4-Dioxane	9.19	88	64633	383.334	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	931610	92.749	ug/l	98
52) Toluene	10.15	92	443467	19.596	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	254446	18.989	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	280696	18.997	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	175224	19.690	ug/l	97
56) Ethyl methacrylate	10.43	69	249587	19.219	ug/l	97
57) 1,3-Dichloropropane	10.70	76	287855	19.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	264918	80.834	ug/l	100
59) 2-Hexanone	10.75	43	654084	90.578	ug/l	99
60) Dibromochloromethane	10.90	129	196921	19.746	ug/l	98
61) 1,2-Dibromoethane	11.00	107	184521	19.465	ug/l	98
64) Tetrachloroethene	10.63	164	202630	19.515	ug/l	97
65) Chlorobenzene	11.43	112	480811	19.627	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184892	19.708	ug/l	97
67) Ethyl Benzene	11.51	91	826650	19.288	ug/l	100
68) m/p-Xylenes	11.62	106	602180	38.135	ug/l	99
69) o-Xylene	11.95	106	296242	19.107	ug/l	100
70) Styrene	11.96	104	465003	18.815	ug/l	99
71) Bromoform	12.13	173	144441	19.515	ug/l #	100
73) Isopropylbenzene	12.25	105	793507	23.740	ug/l	98
74) N-amyl acetate	12.07	43	231422	20.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	224384	23.440	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	202436m	25.376	ug/l	
77) Bromobenzene	12.53	156	207837	23.661	ug/l	97
78) n-propylbenzene	12.59	91	762086	20.239	ug/l	99
79) 2-Chlorotoluene	12.67	91	501600	23.095	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	641178	23.124	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	68941	21.499	ug/l	98
82) 4-Chlorotoluene	12.77	91	438314	19.644	ug/l	98
83) tert-Butylbenzene	12.99	119	591380	24.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	609963	21.658	ug/l	100
85) sec-Butylbenzene	13.17	105	684305	22.295	ug/l	100
86) p-Isopropyltoluene	13.29	119	593898	20.597	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	275262	20.092	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	252375	19.406	ug/l	99
89) n-Butylbenzene	13.62	91	467393	22.737	ug/l	99
90) Hexachloroethane	13.88	117	122473	23.751	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	263076	20.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25499	18.287	ug/l	98

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ClientSampleId :
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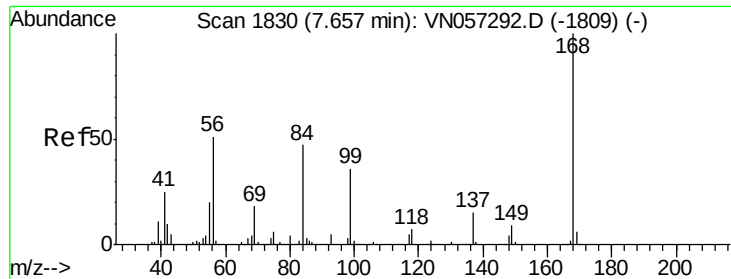
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62447	16.273	ug/l	99
94) Hexachlorobutadiene	15.01	225	122054	22.435	ug/l	99
95) Naphthalene	15.13	128	136050	21.388	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	66055	21.144	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion:168 Resp: 913608

Ion Ratio Lower Upper

168 100

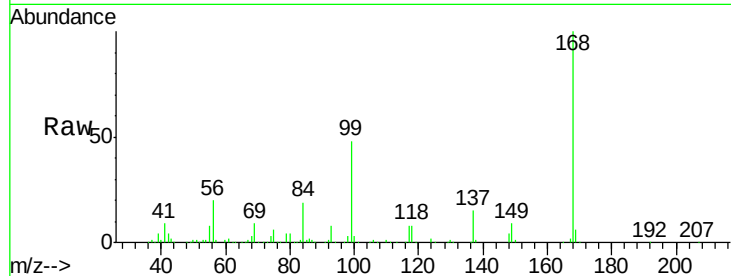
99 47.9 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

400000

300000

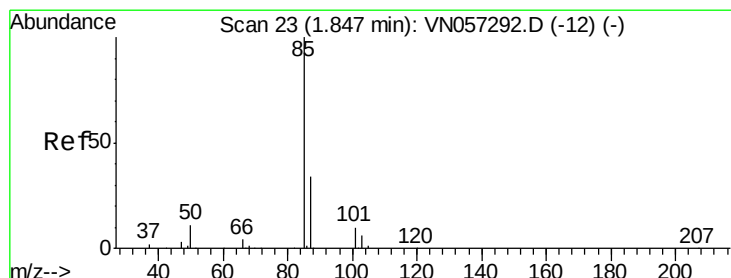
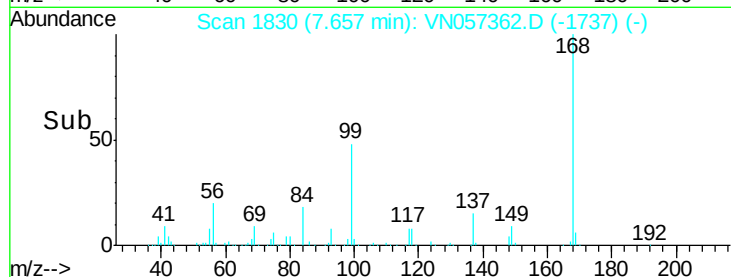
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.845 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057362.D

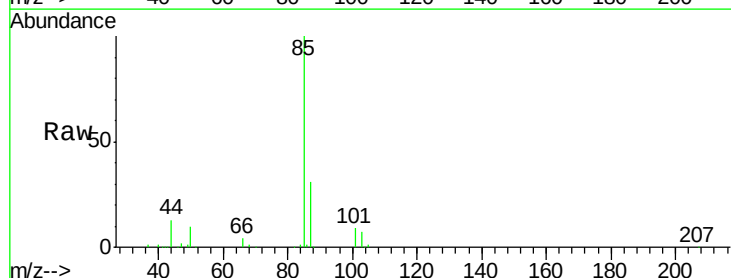
Acq: 16 Aug 2019 18:46

Tgt Ion: 85 Resp: 140293

Ion Ratio Lower Upper

85 100

87 30.5 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

60000

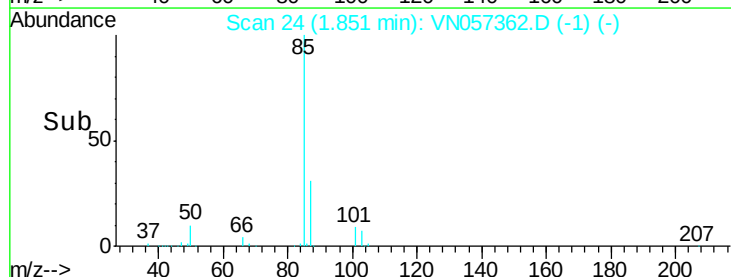
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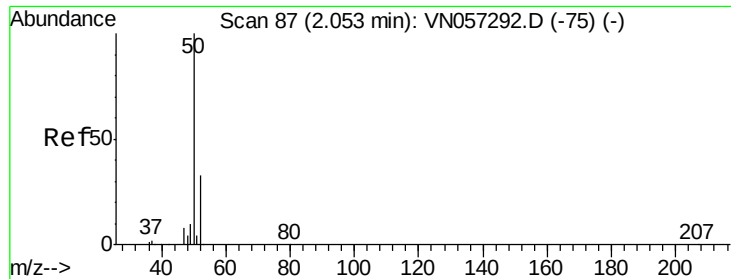
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.167 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampled :

VN0818WBSD01

Tot Ion: 50 Resp: 168578

Ion Ratio Lower Upper

50 100

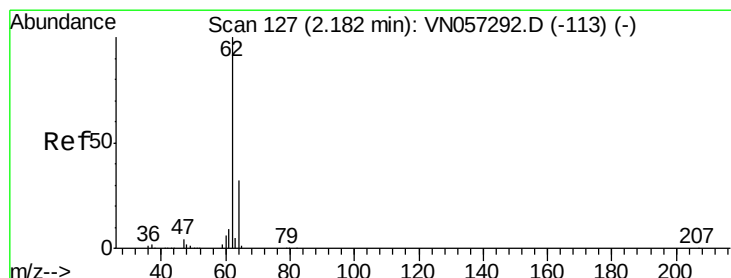
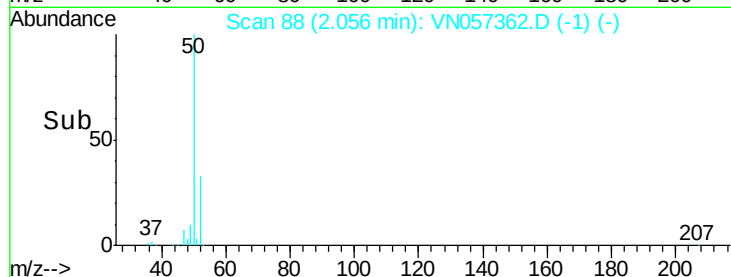
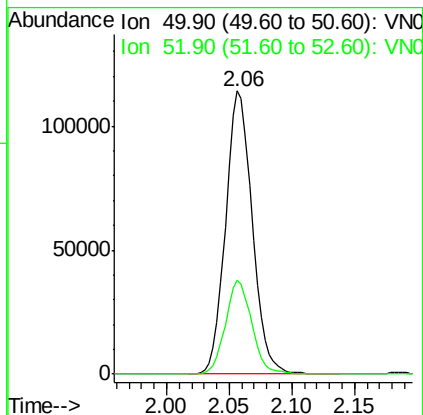
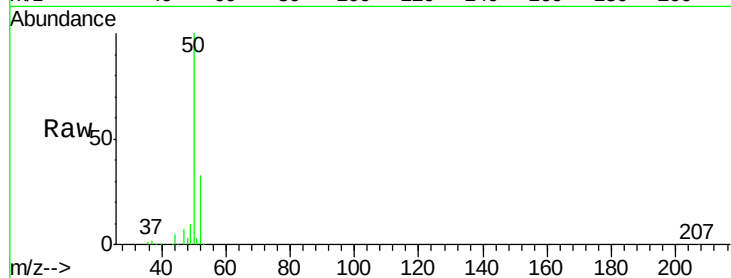
52 33.2 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.966 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057362.D

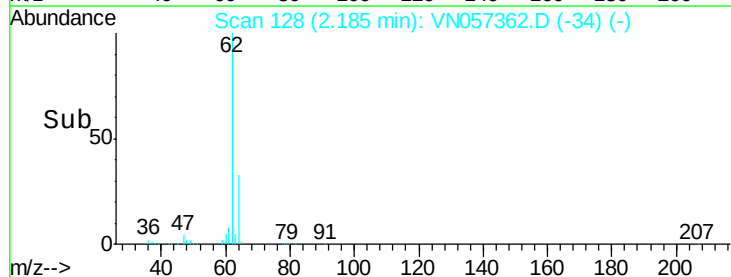
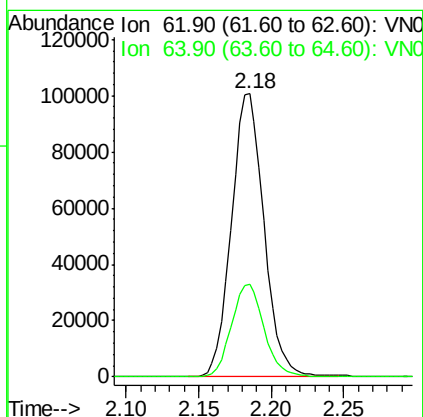
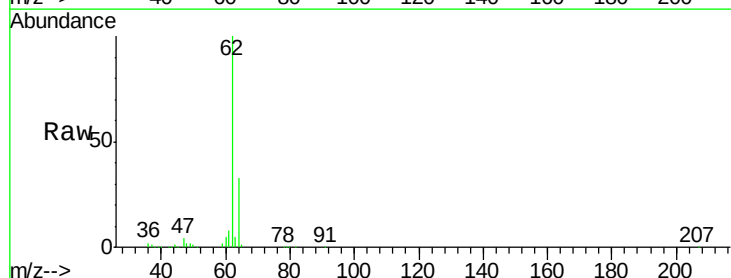
Acq: 16 Aug 2019 18:46

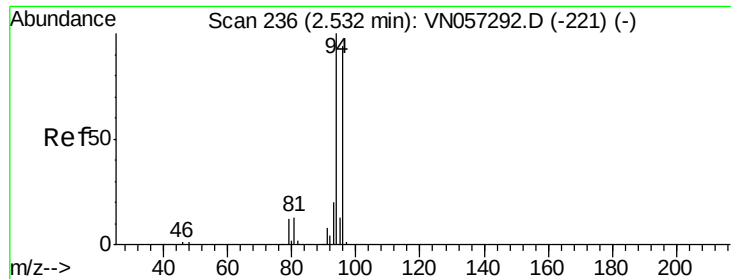
Tgt Ion: 62 Resp: 156843

Ion Ratio Lower Upper

62 100

64 32.8 25.9 38.9





#5

Bromomethane

Concen: 20.668 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampled :

VN0818WBSD01

Tot Ion: 94 Resp: 128615

Ion Ratio Lower Upper

94 100

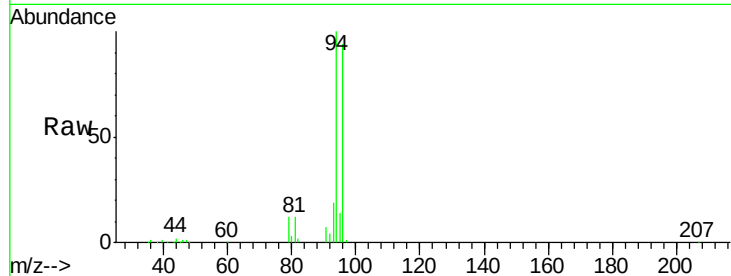
96 93.7 75.0 112.6

Manual Integrations

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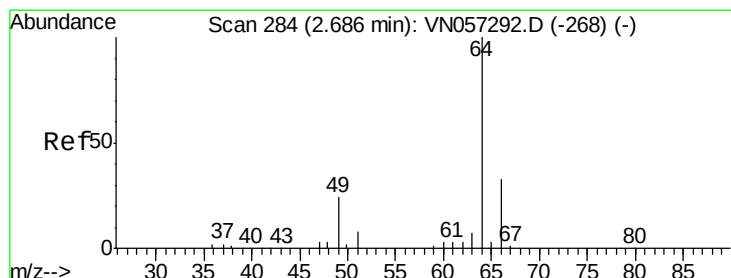
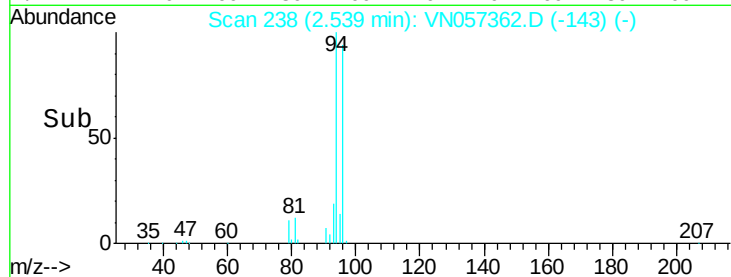
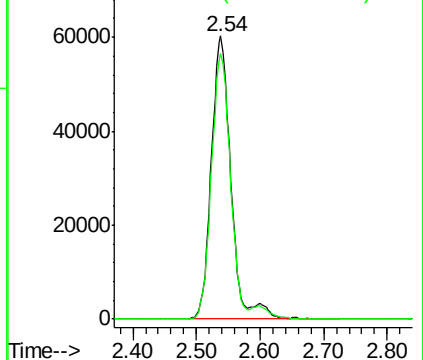
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.365 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057362.D

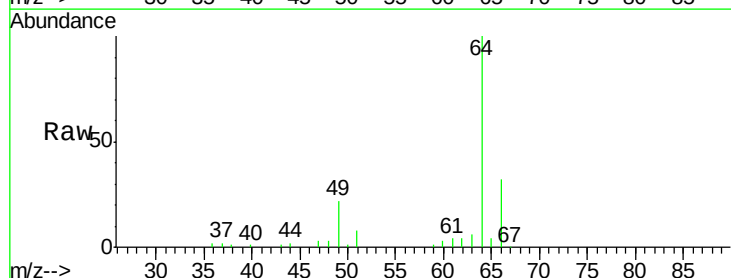
Acq: 16 Aug 2019 18:46

Tgt Ion: 64 Resp: 110283

Ion Ratio Lower Upper

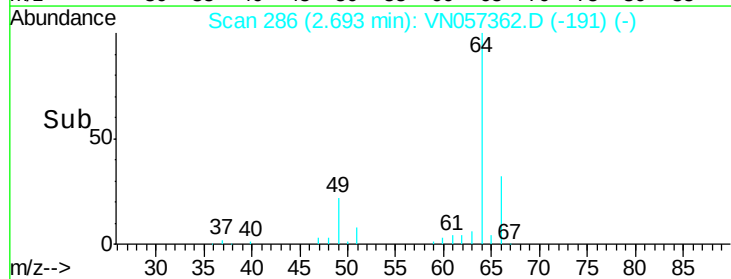
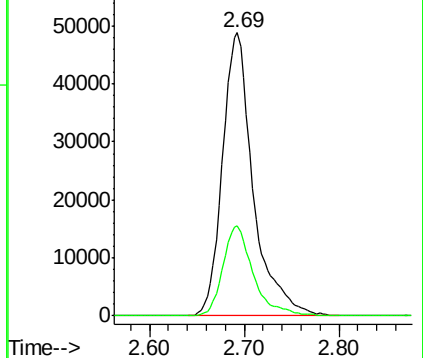
64 100

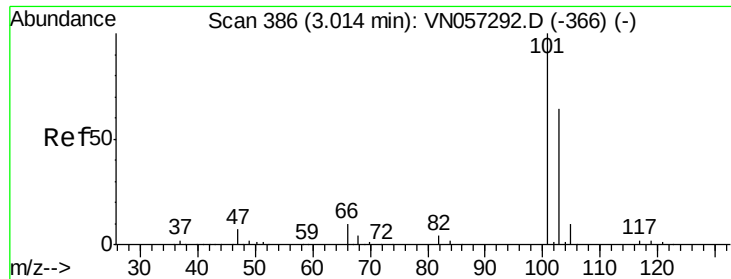
66 31.6 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

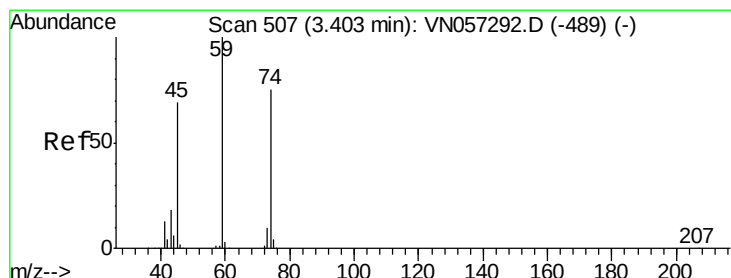
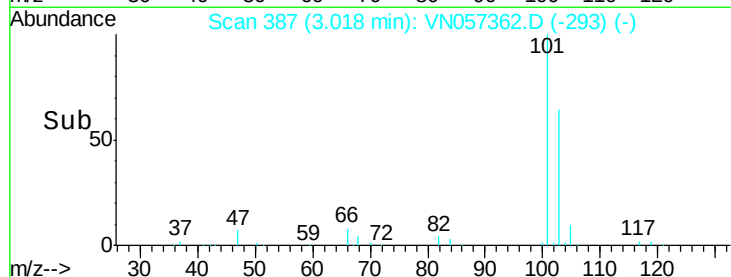
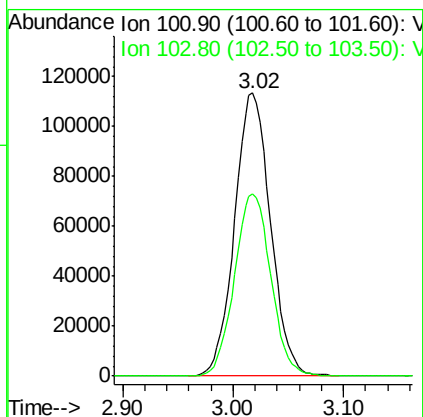
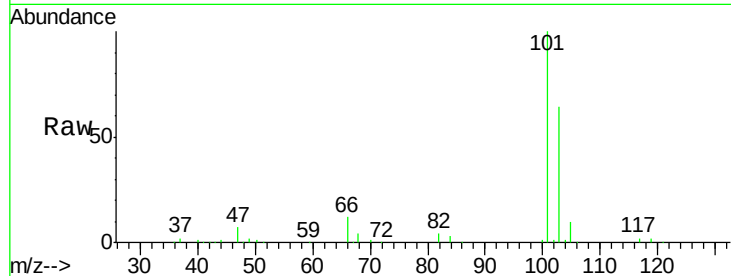
Trichlorofluoromethane
Concen: 18.666 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	255607		
103	64.5	51.5	77.3	

Manual Integrations
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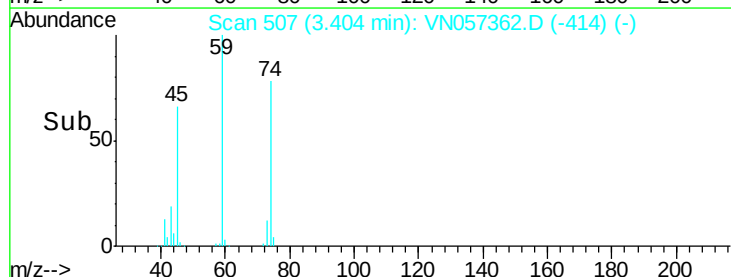
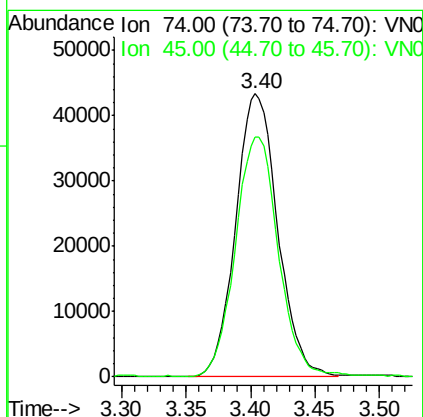
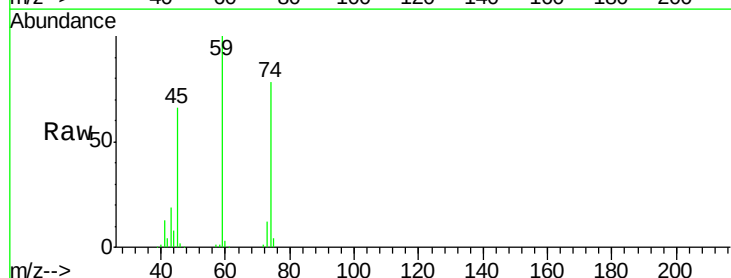
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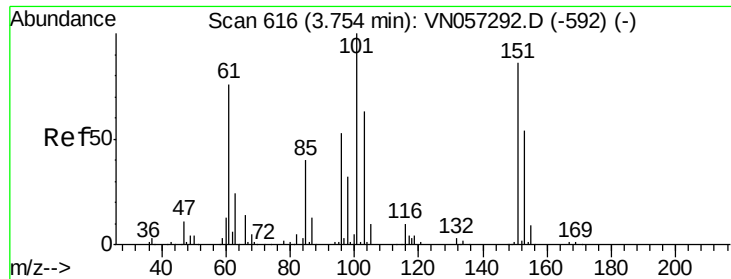


#8

Diethyl Ether
Concen: 19.088 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	98380		
45	87.4	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.073 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

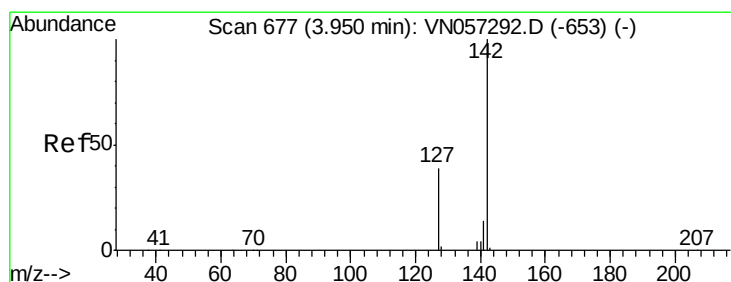
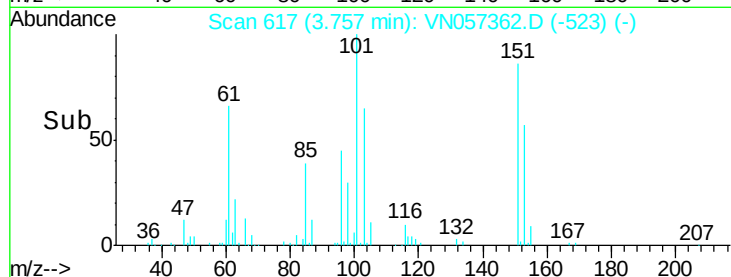
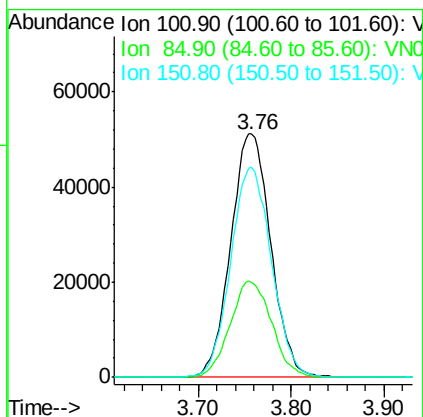
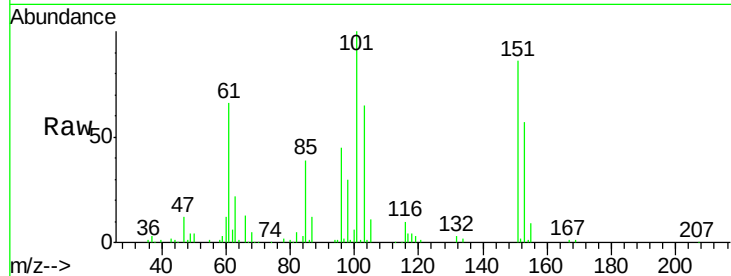
ClientSampled :

VN0818WBSD01

Tot Ion:	101	Resp:	153445
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.7	49.1
151	88.2	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.471 ug/l

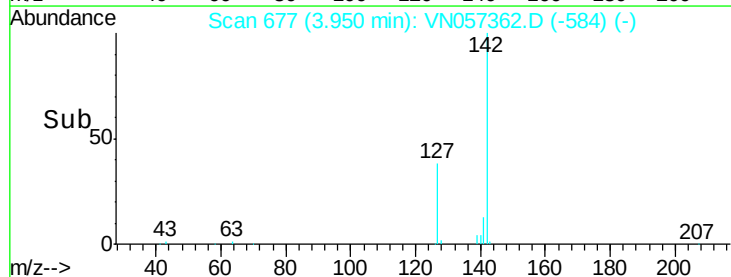
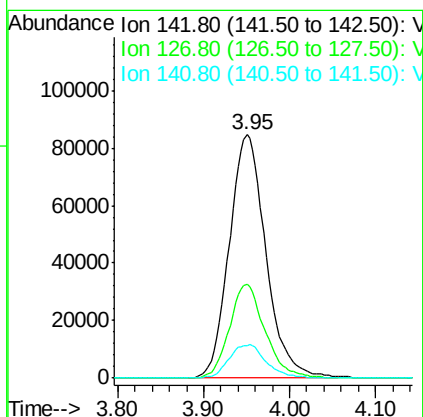
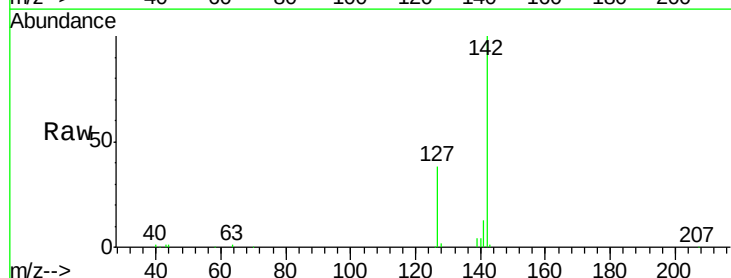
RT: 3.95 min Scan# 677

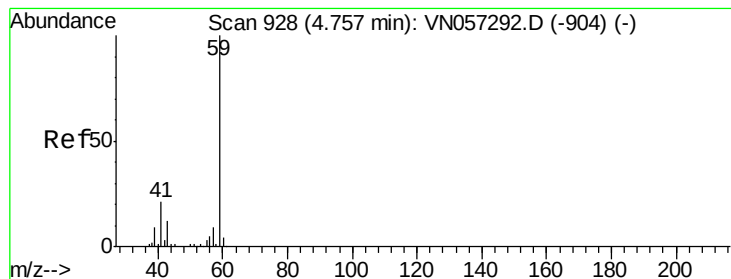
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion:	142	Resp:	250393
Ion Ratio	Lower	Upper	
142	100		
127	37.5	31.6	47.4
141	14.0	11.2	16.8





#11

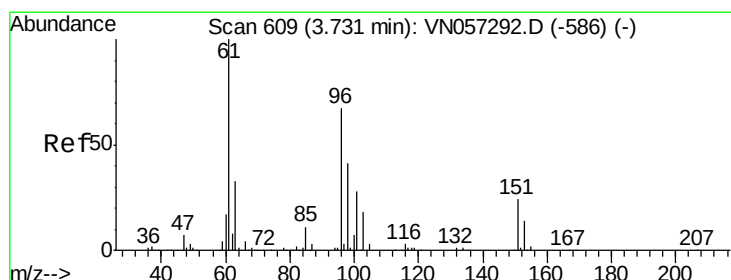
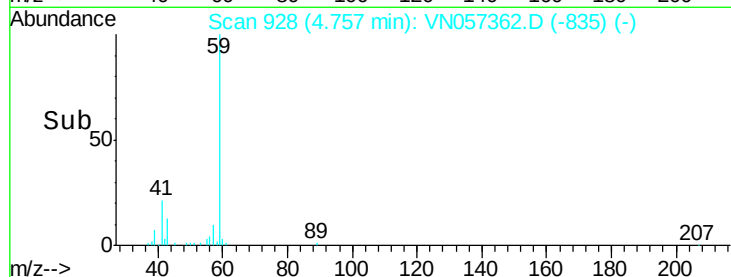
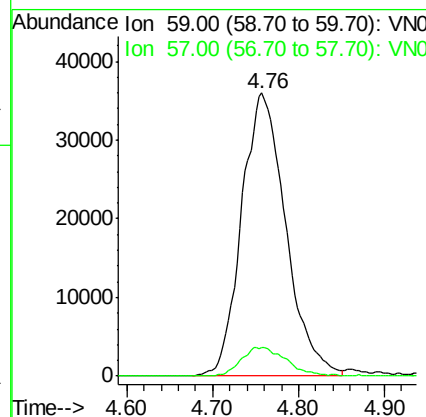
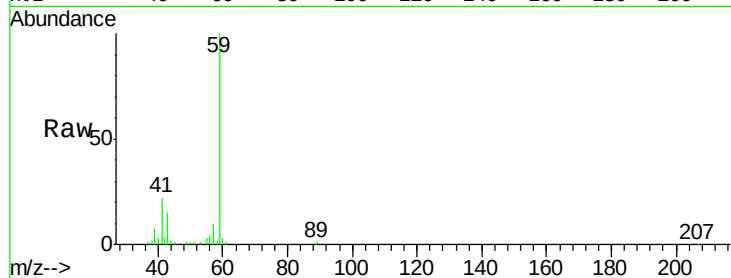
Tert butyl alcohol
Concen: 90.965 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.4	8.2	12.2#

Manual Integrations
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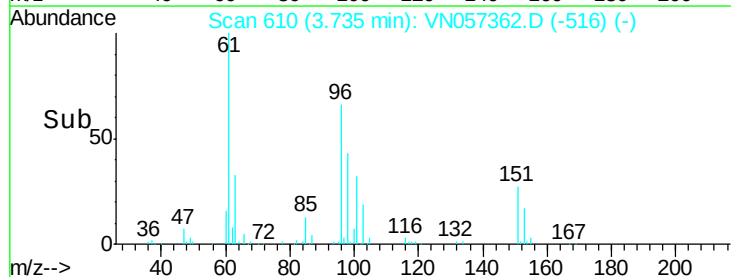
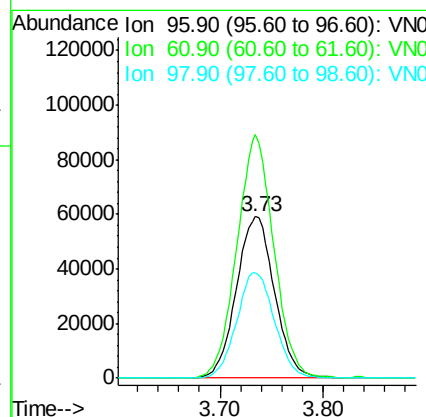
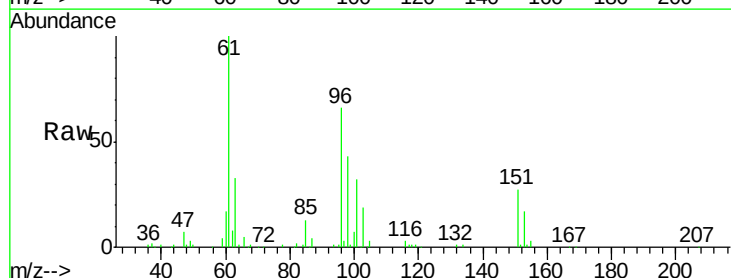
MMDadoda
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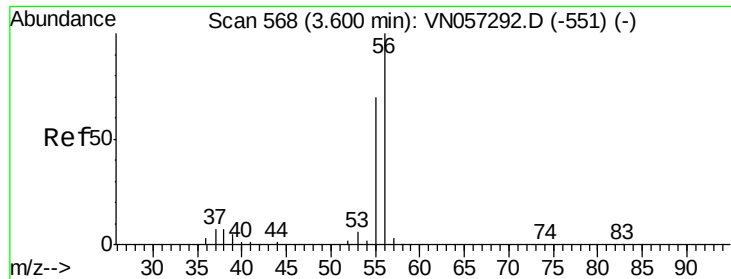


#12

1,1-Dichloroethene
Concen: 18.993 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	119.7	179.5
98	65.7	49.0	73.4





#13

Acrolein

Concen: 64.614 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 56 Resp: 55384

Ion Ratio Lower Upper

56 100

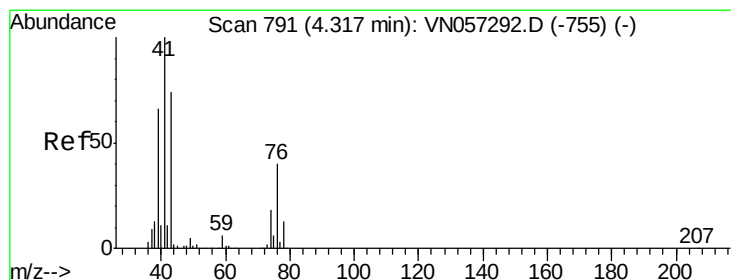
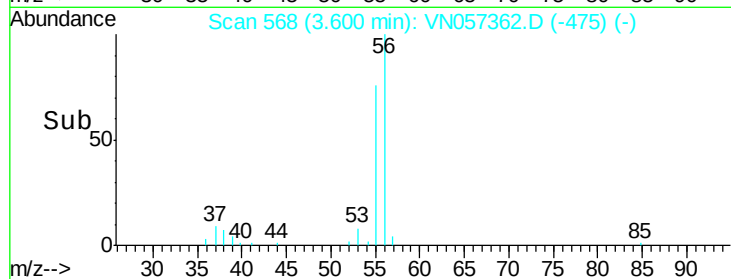
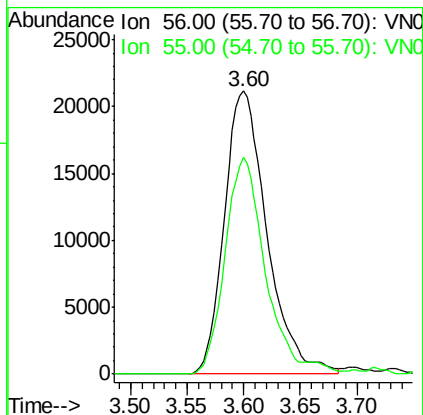
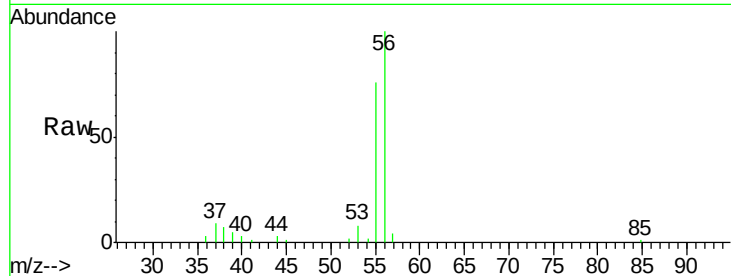
55 72.9 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.175 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

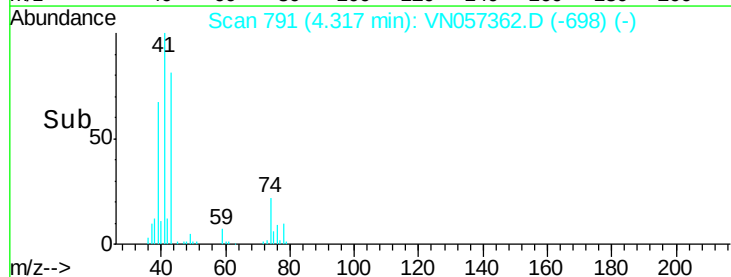
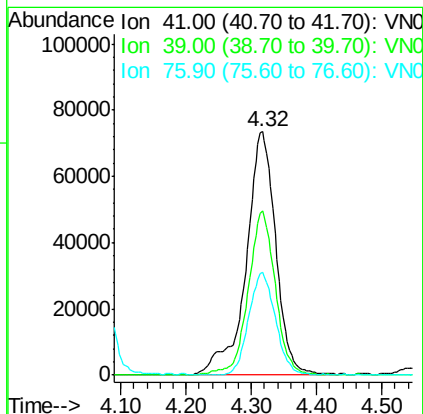
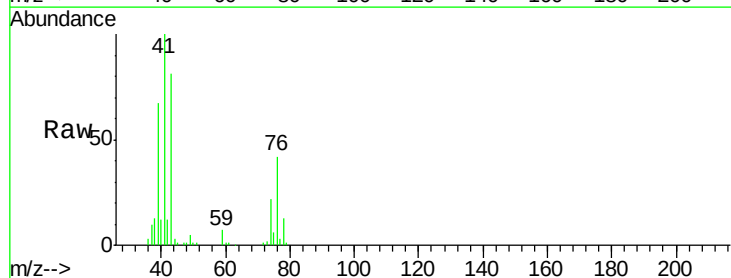
Tgt Ion: 41 Resp: 233537

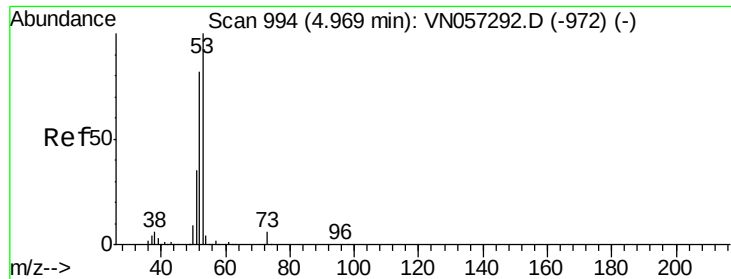
Ion Ratio Lower Upper

41 100

39 61.3 49.0 73.6

76 37.7 29.0 43.4





#15

Acrylonitrile

Concen: 94.893 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

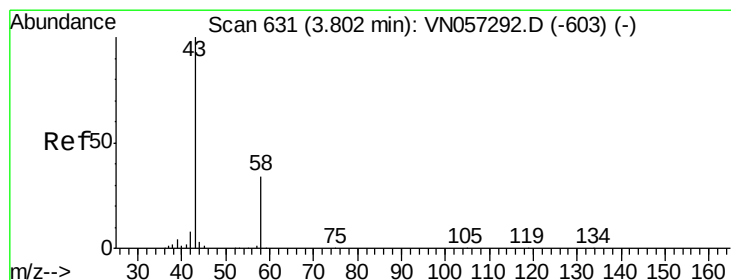
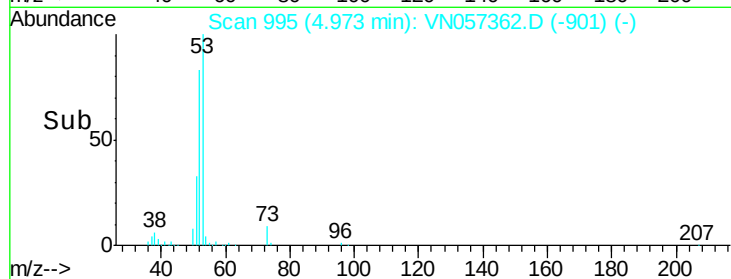
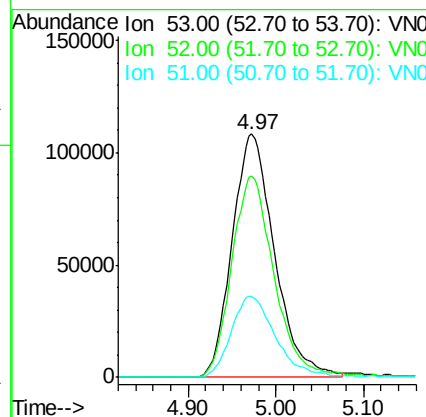
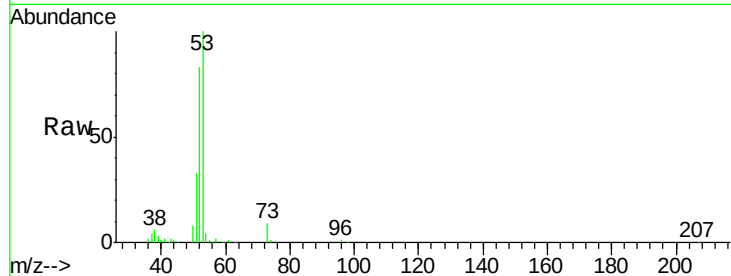
ClientSampleId :

VN0818WBSD01

Tot Ion:	53	Resp:	363758
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.2	99.2
51	34.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 79.442 ug/l

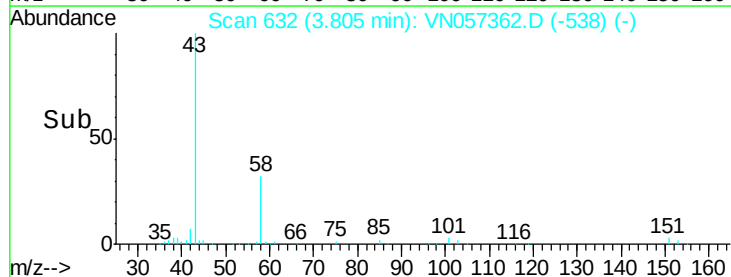
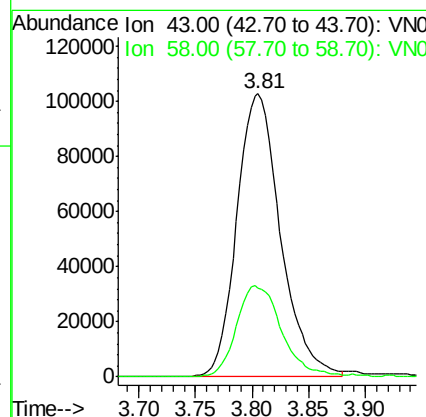
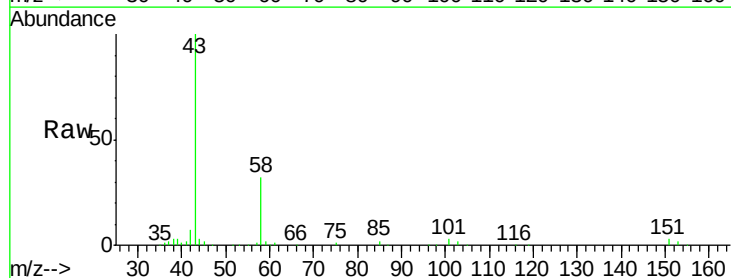
RT: 3.81 min Scan# 632

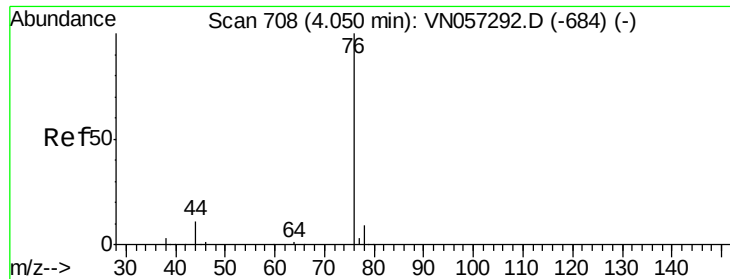
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion:	43	Resp:	273707
Ion Ratio		Lower	Upper
43	100		
58	31.5	27.0	40.6





#17

Carbon Disulfide

Concen: 18.030 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 76 Resp: 389364

Ion Ratio Lower Upper

76 100

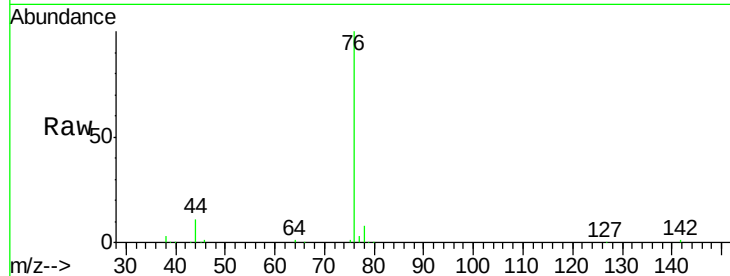
78 8.4 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

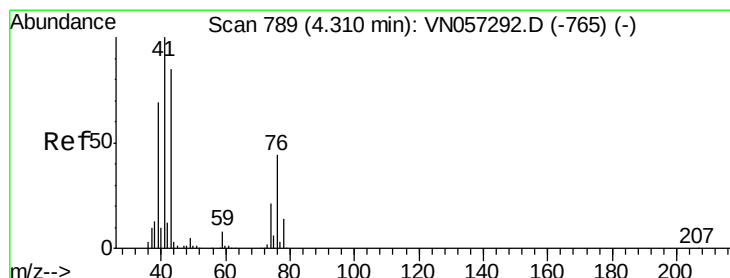
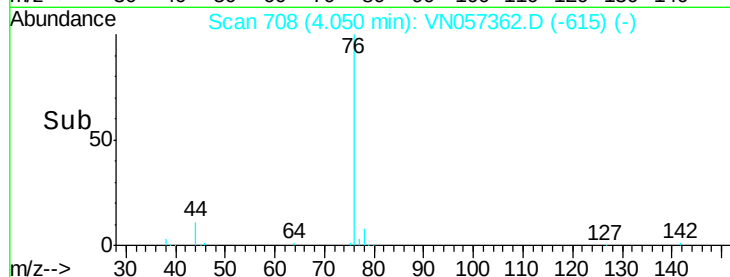
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.888 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057362.D

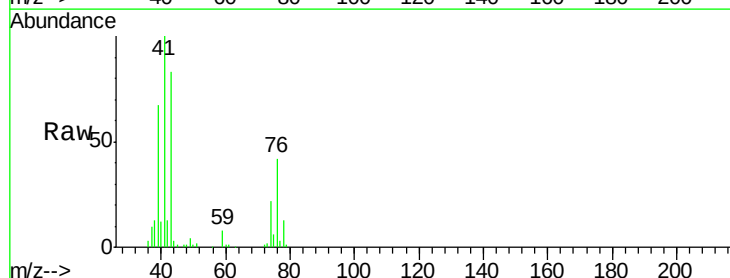
Acq: 16 Aug 2019 18:46

Tgt Ion: 43 Resp: 178985

Ion Ratio Lower Upper

43 100

74 26.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

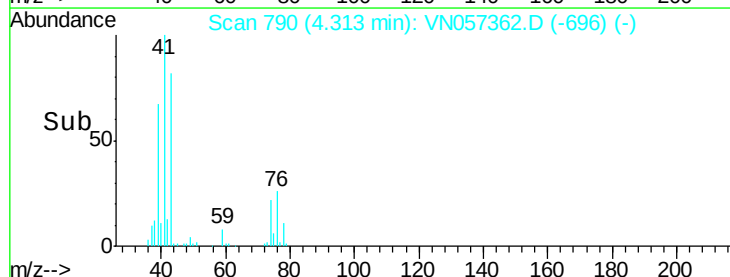
60000

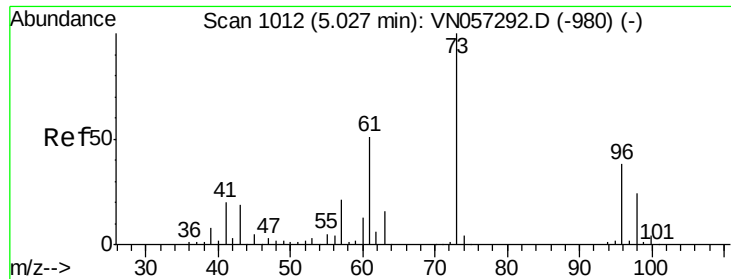
40000

20000

0

Time-->





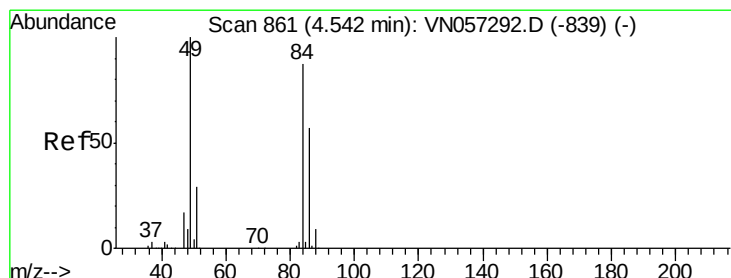
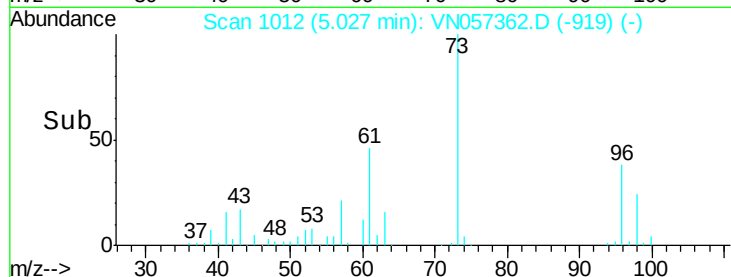
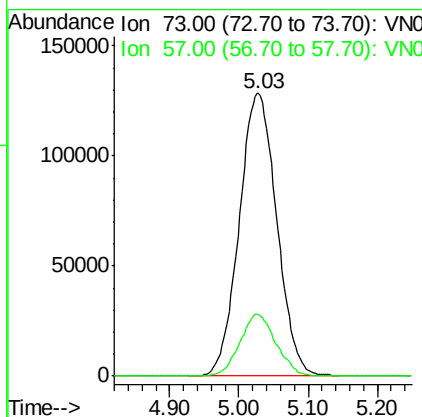
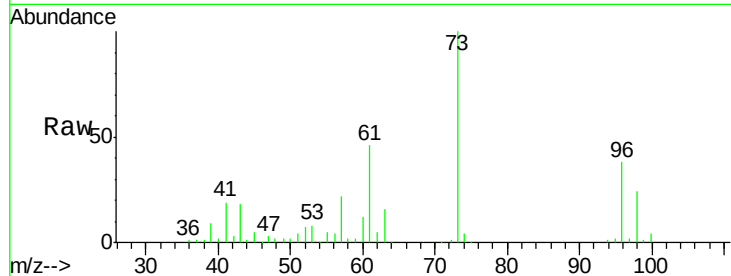
#19
Methyl tert-butyl Ether
Concen: 19.213 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion: 73 Resp: 483248
Ion Ratio Lower Upper
73 100
57 21.8 16.9 25.3

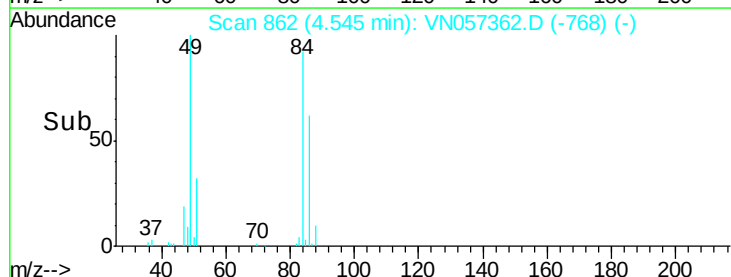
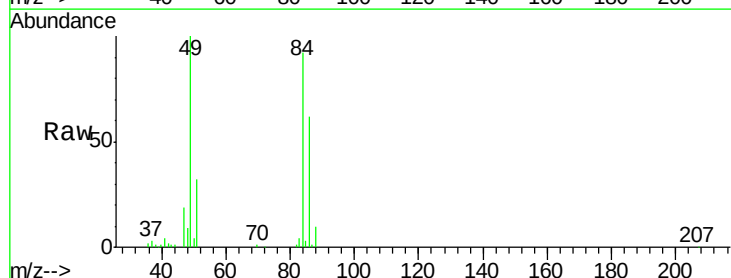
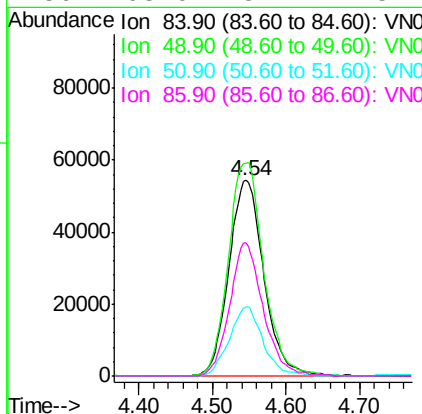
Manual Integrations
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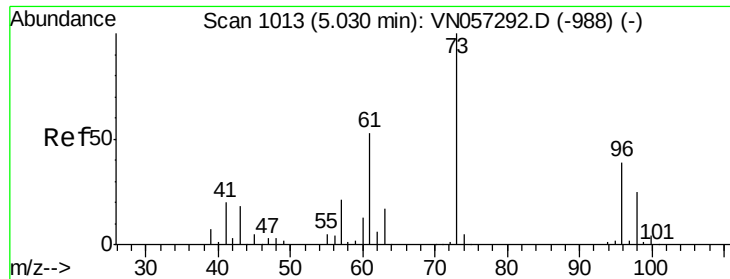
MMDadoda
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#20
Methylene Chloride
Concen: 18.632 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 84 Resp: 179606
Ion Ratio Lower Upper
84 100
49 108.9 92.0 138.0
51 35.4 27.1 40.7
86 68.0 52.2 78.2





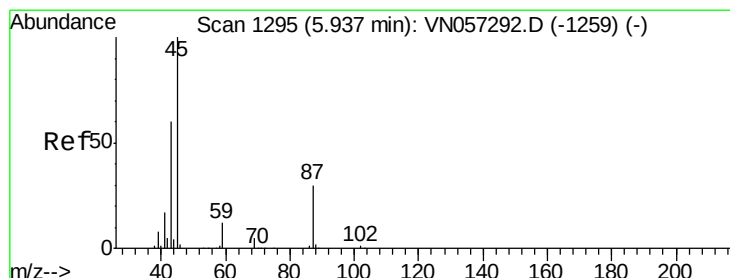
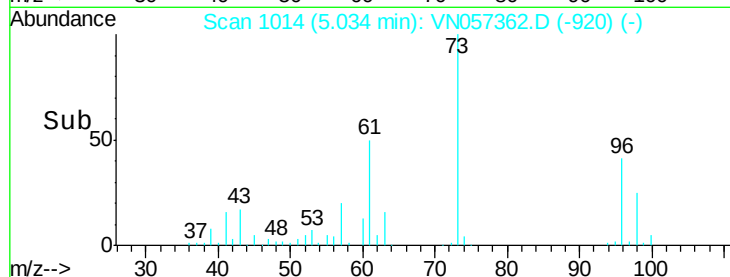
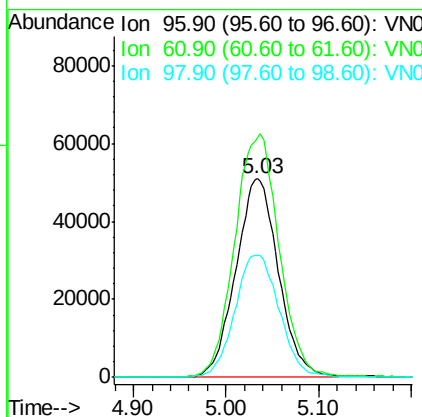
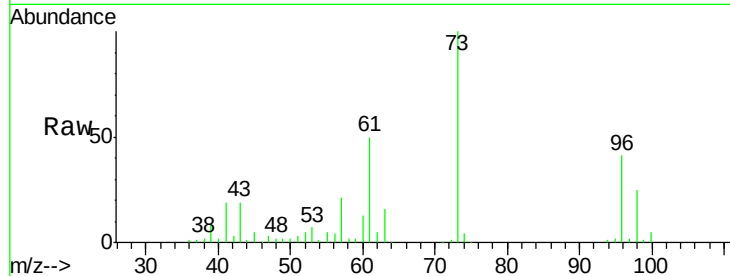
#21
trans-1,2-Dichloroethene
Concen: 18.874 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.2	109.5	164.3
98	61.6	51.0	76.6

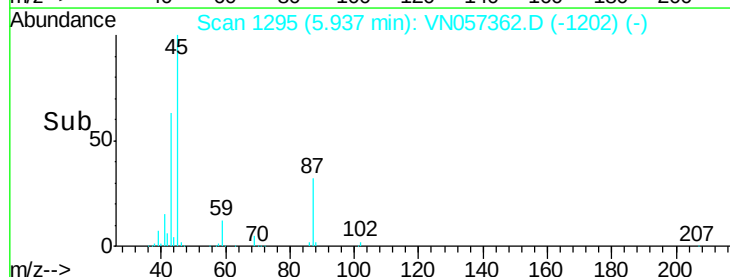
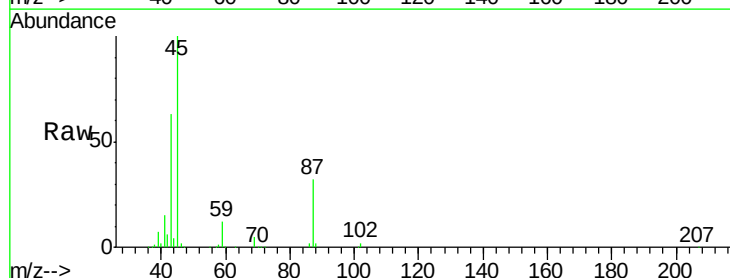
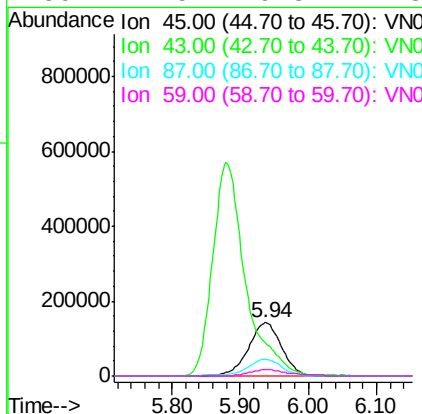
Manual Integrations
APPROVED

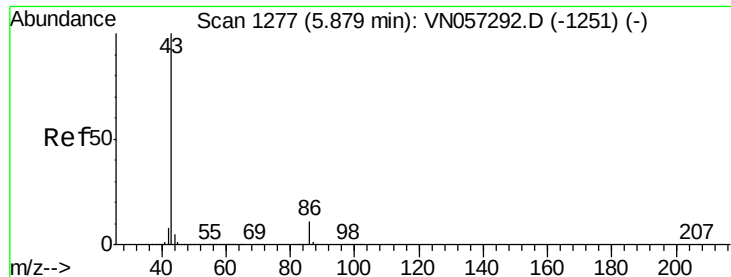
MMDadoda
8/19/2019 12:19:27 PM



#22
Diisopropyl ether
Concen: 18.985 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.3	72.5
87	32.3	24.6	36.8
59	11.5	9.8	14.8





#23

Vinyl Acetate

Concen: 92.910 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 43 Resp: 1897984

Ion Ratio Lower Upper

43 100

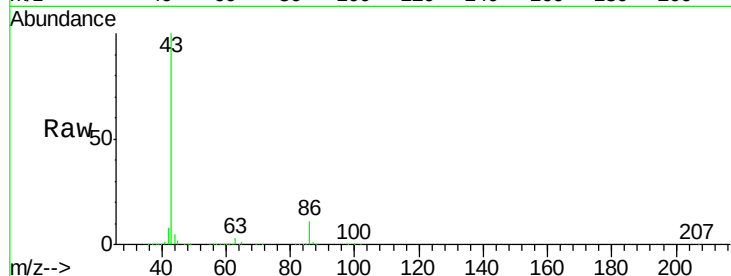
86 11.2 8.7 13.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

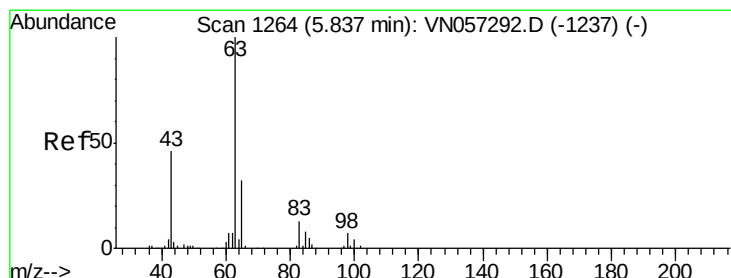
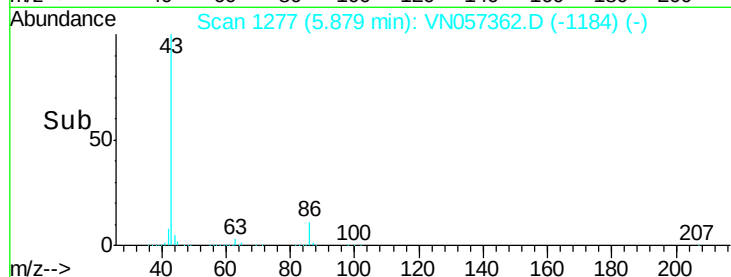
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.788 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

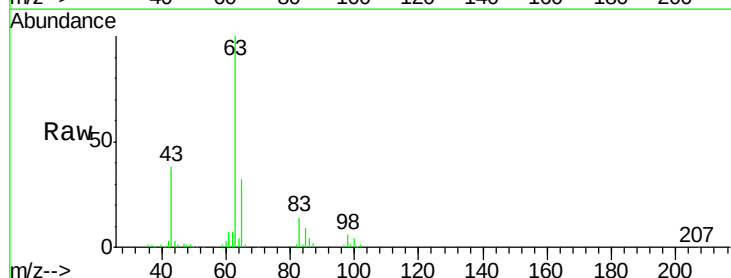
Tgt Ion: 63 Resp: 293402

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.84

120000

100000

80000

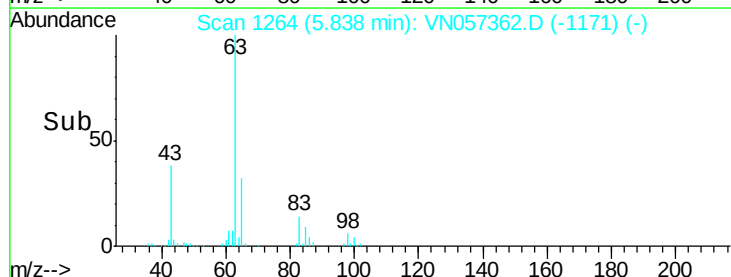
60000

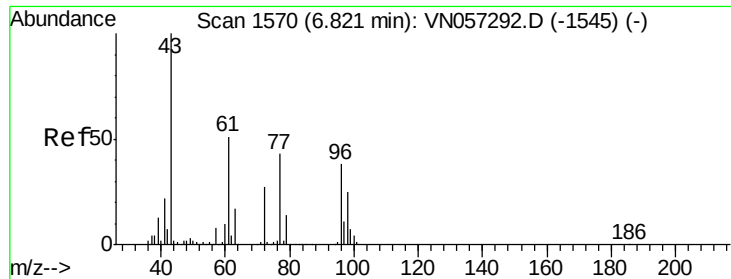
40000

20000

0

Time-->





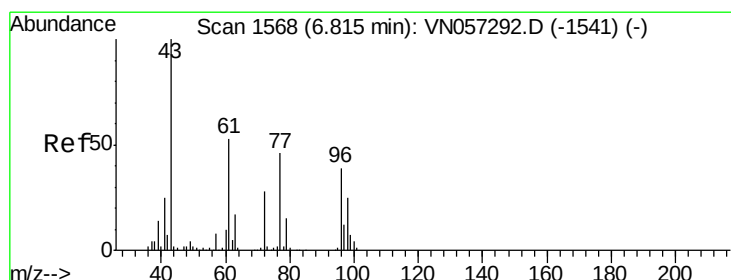
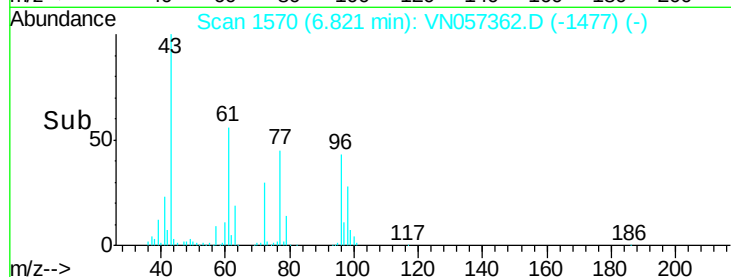
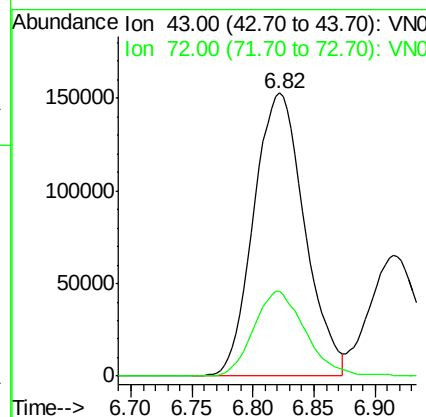
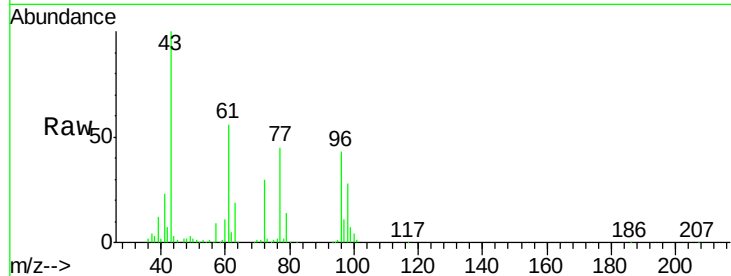
#25
2-Butanone
Concen: 88.433 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion: 43 Resp: 441215
Ion Ratio Lower Upper
43 100
72 30.2 21.5 32.3

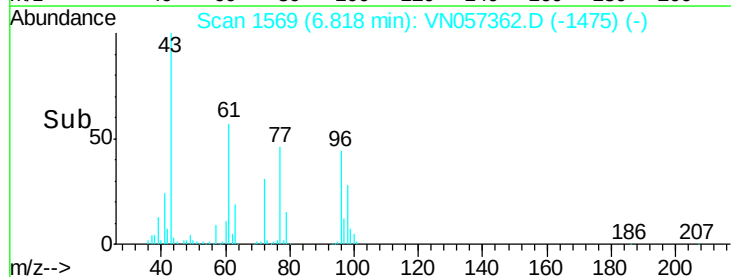
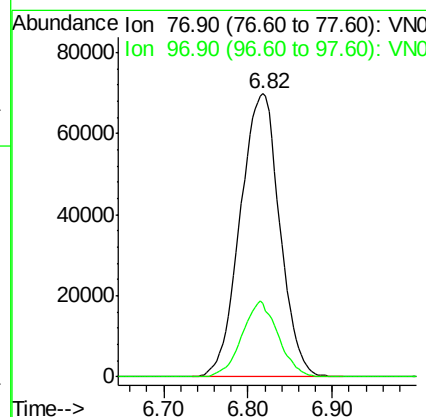
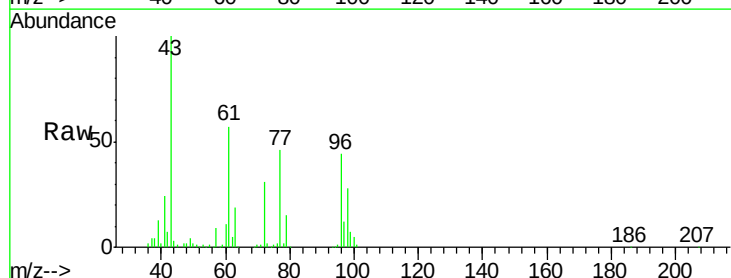
Manual Integrations
APPROVED

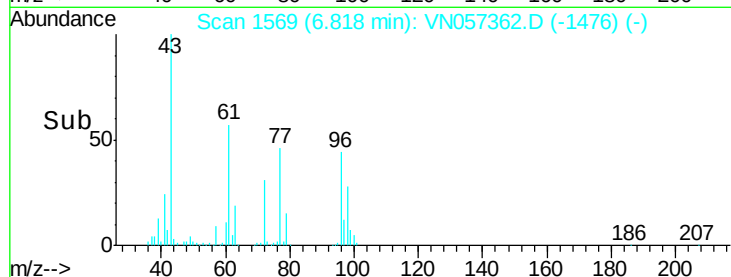
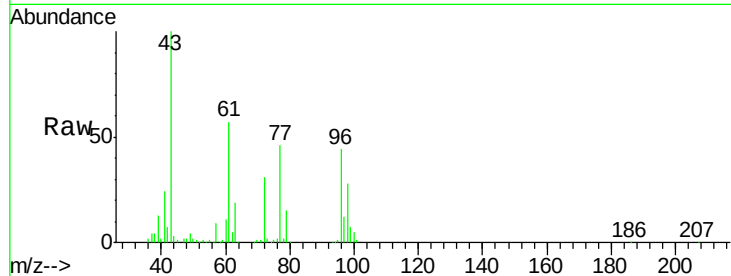
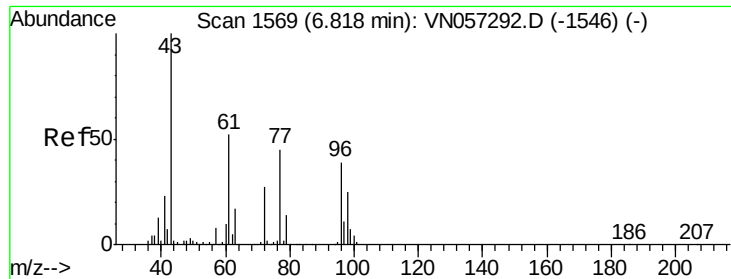
MMDadoda
8/19/2019 12:19:27 PM



#26
2,2-Dichloropropane
Concen: 18.000 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 77 Resp: 227171
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.9





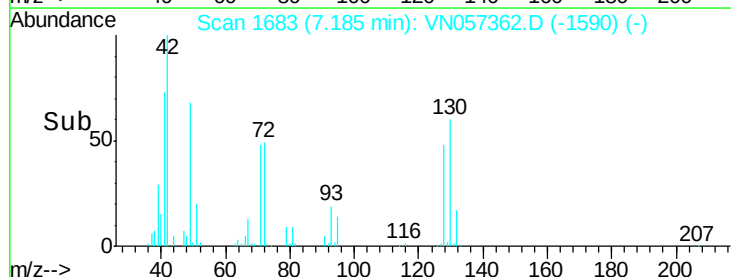
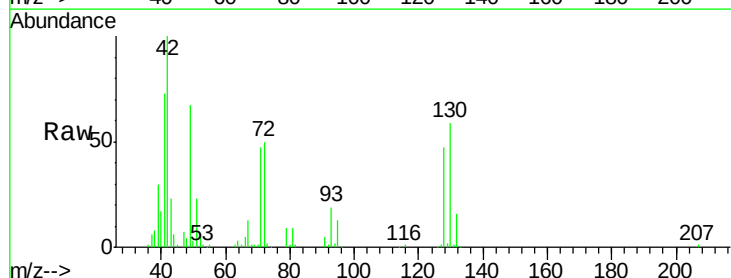
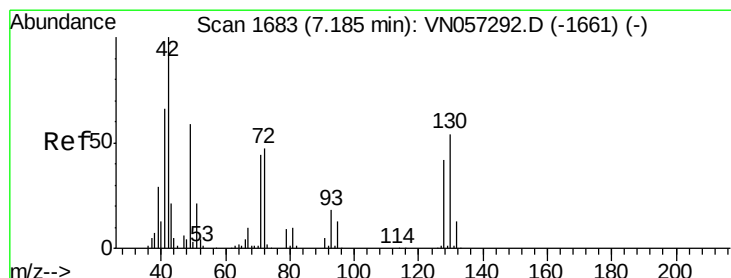
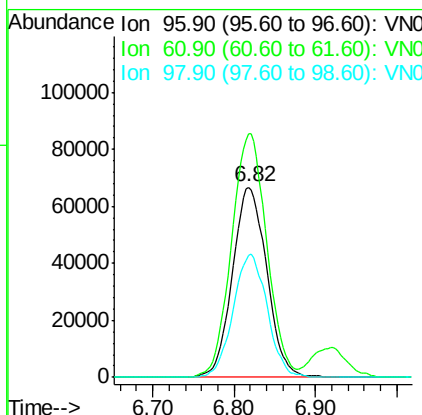
#27
 cis-1,2-Dichloroethene
 Concen: 19.123 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tot Ion	Ratio	Resp	Lower	Upper
96	100	195155		
61	131.5	0.0	272.0	
98	64.2	0.0	130.4	

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

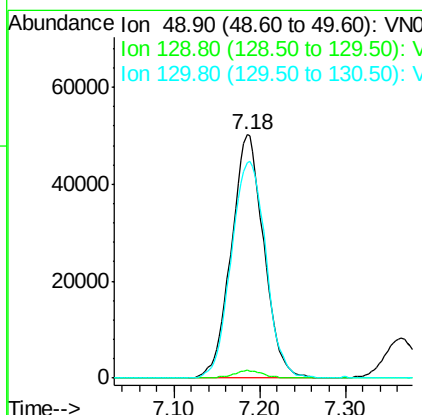
Manual Integrations
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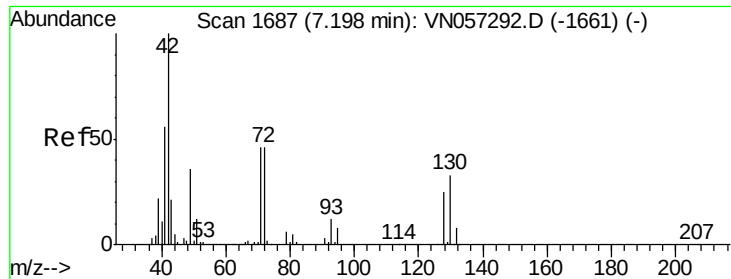
MMDadoda
 8/19/2019 12:19:27 PM



#28
 Bromochloromethane
 Concen: 19.028 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	132024		
129	2.7	0.0	2.0#	
130	94.6	73.2	109.8	





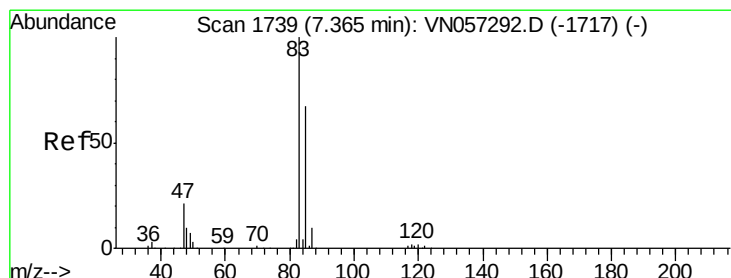
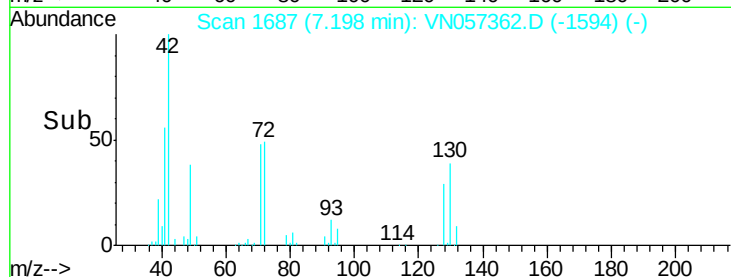
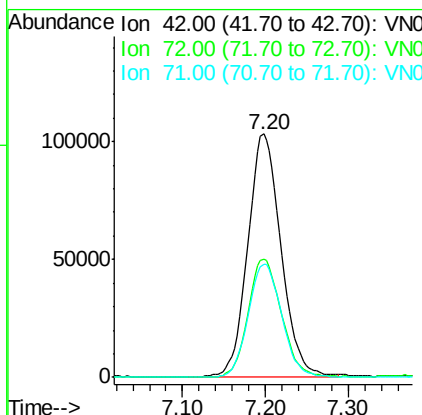
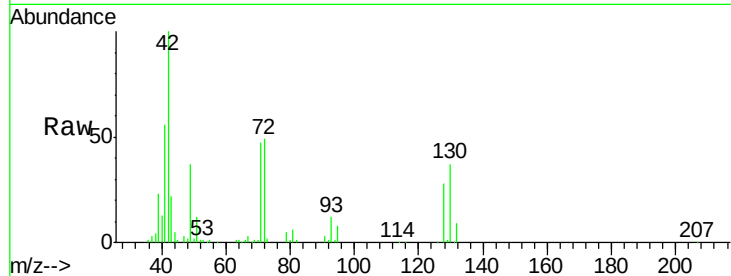
#29
Tetrahydrofuran
Concen: 91.605 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	37.8	56.6
71	46.6	35.7	53.5

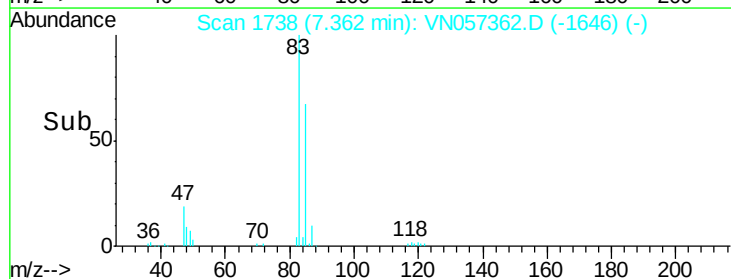
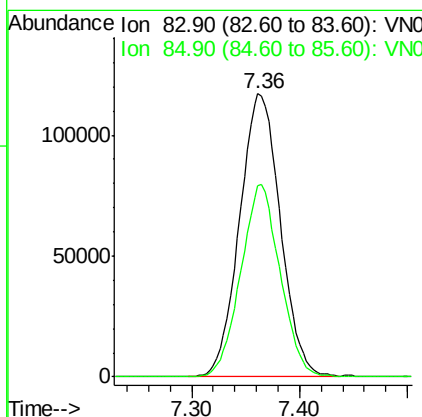
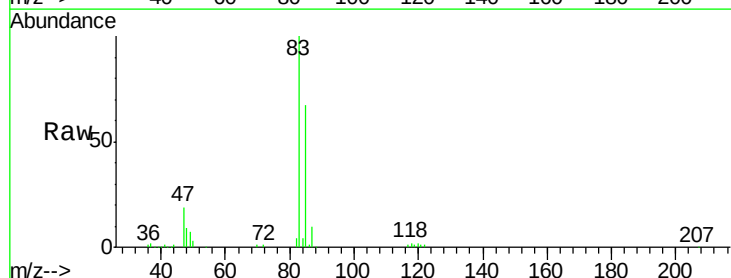
Manual Integrations
APPROVED

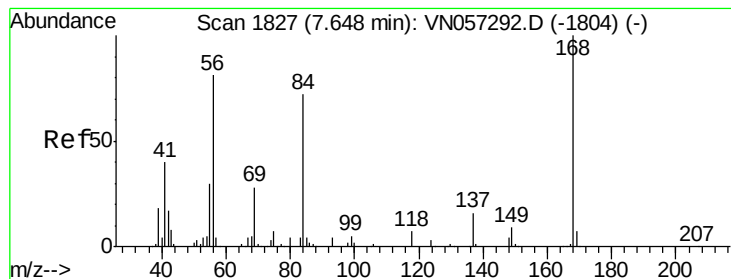
MMDadoda
8/19/2019 12:19:27 PM



#30
Chloroform
Concen: 18.818 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.3	79.9





#31

Cyclohexane

Concen: 18.361 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 56 Resp: 248480

Ion Ratio Lower Upper

56 100

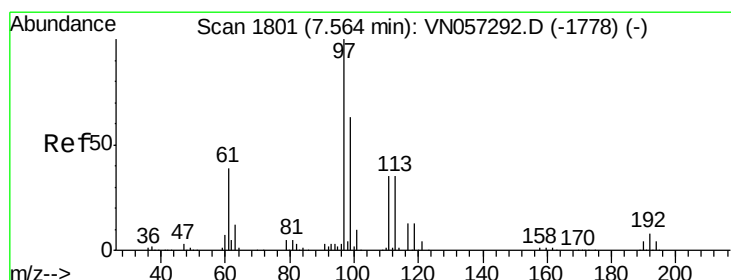
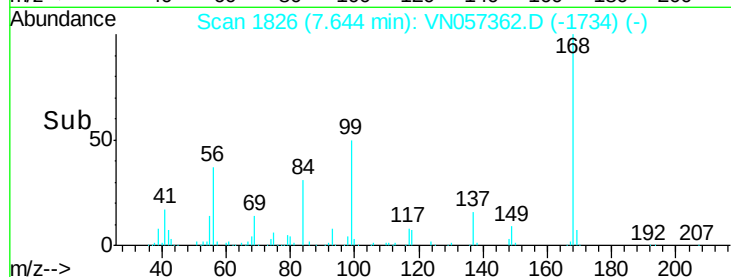
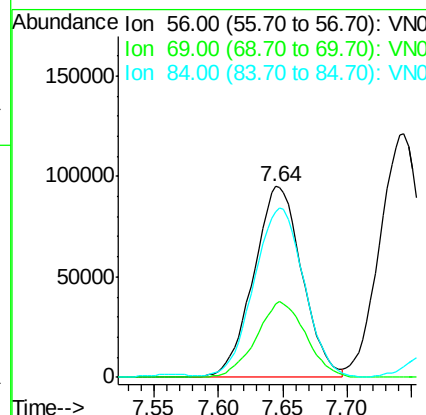
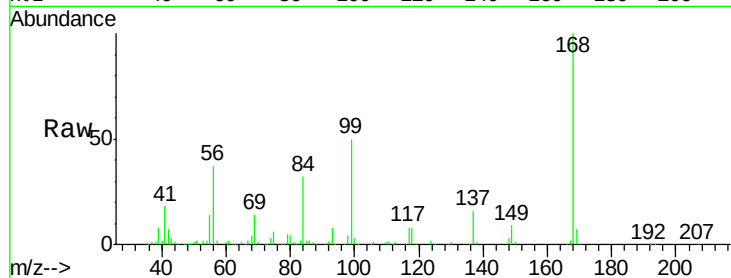
69 38.2 27.3 40.9

84 85.9 71.0 106.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.327 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

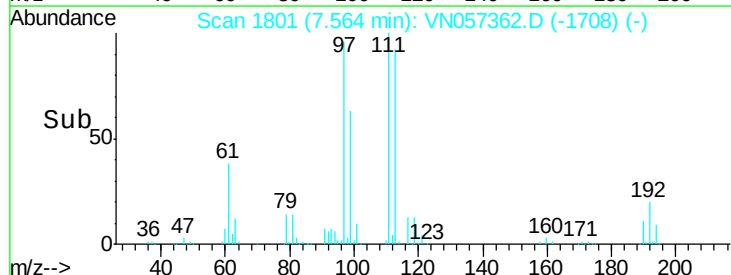
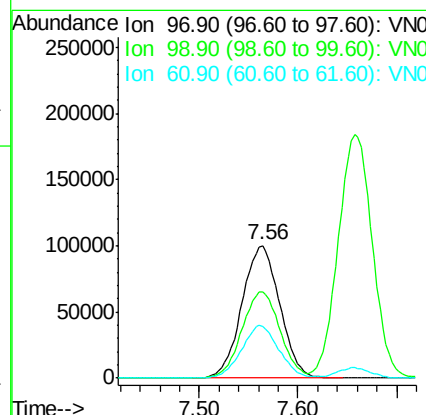
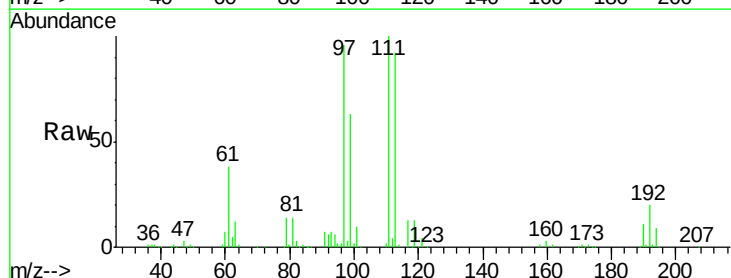
Tgt Ion: 97 Resp: 266035

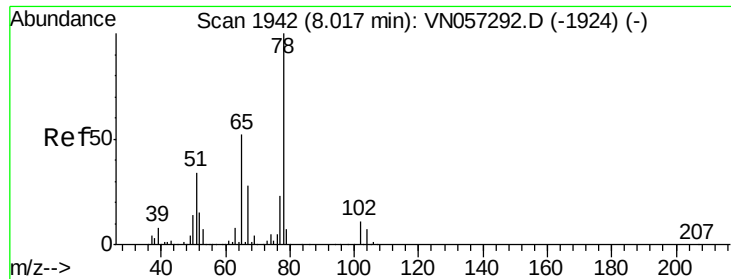
Ion Ratio Lower Upper

97 100

99 65.6 50.3 75.5

61 39.2 31.3 46.9





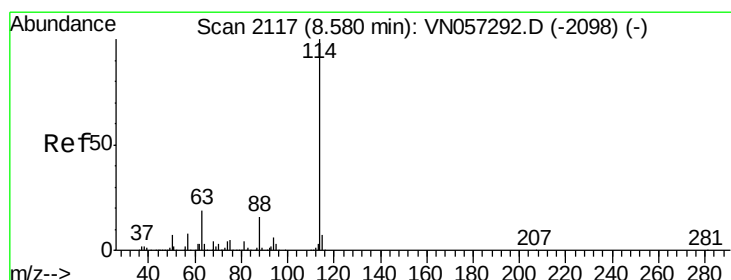
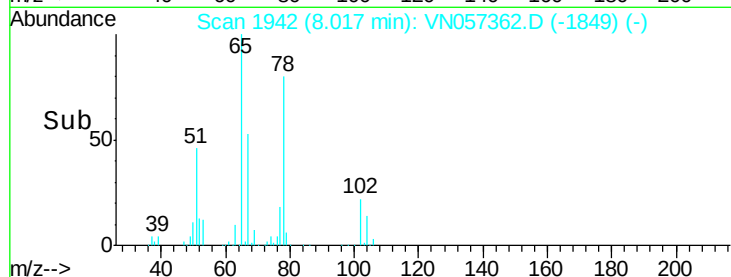
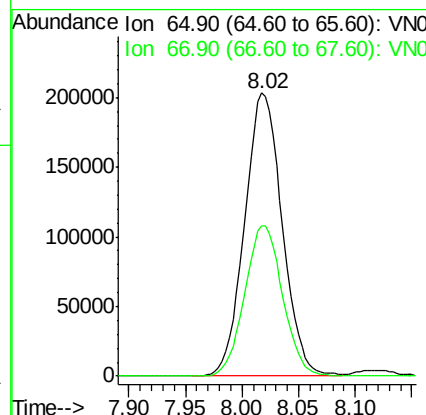
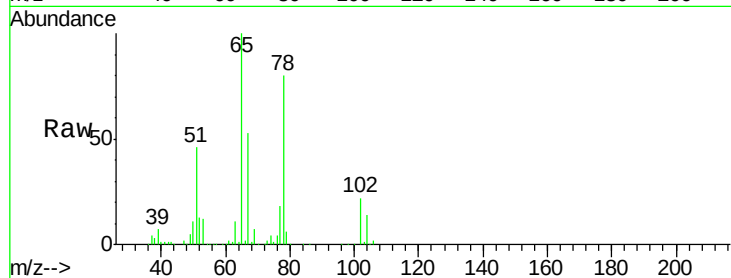
#33
 1,2-Dichloroethane-d4
 Concen: 47.390 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	470672		
67	53.6	0.0	107.4	

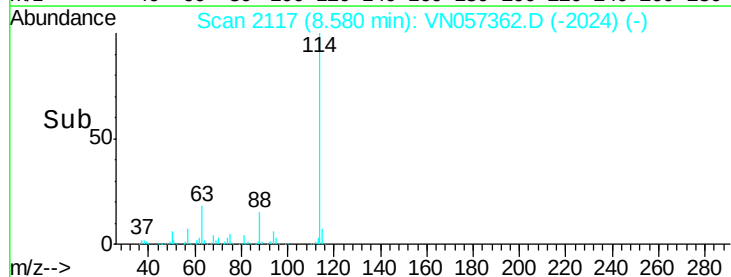
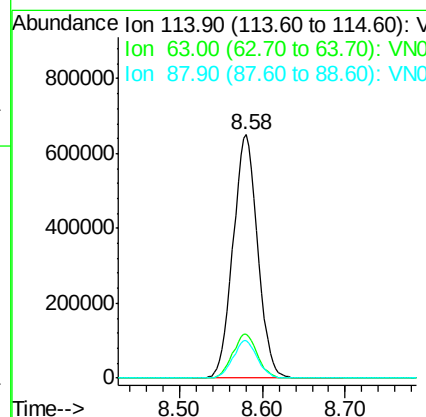
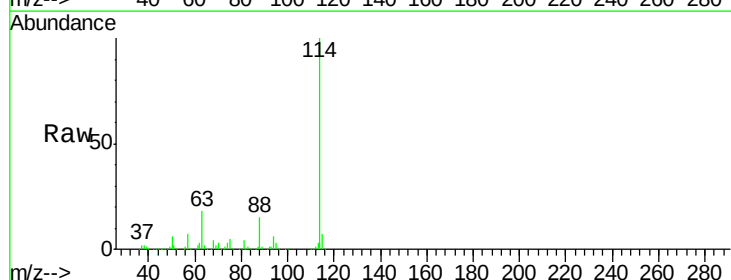
Manual Integrations
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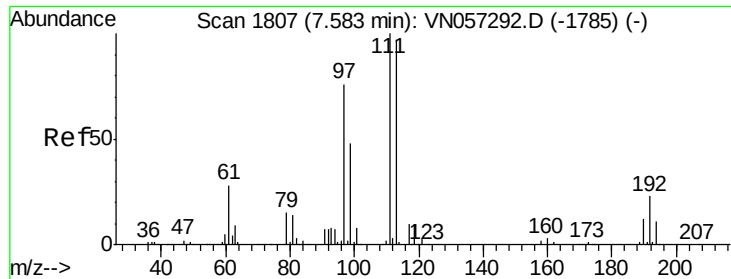
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1346356		
63	18.0	0.0	38.8	
88	15.3	0.0	31.4	





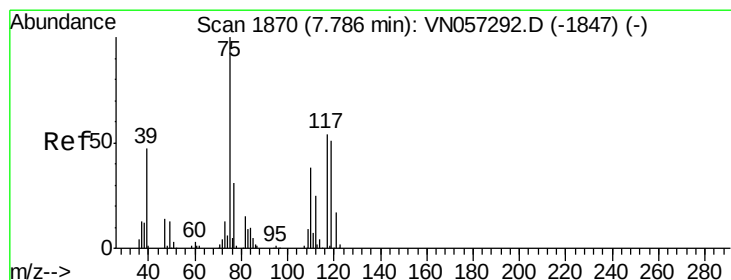
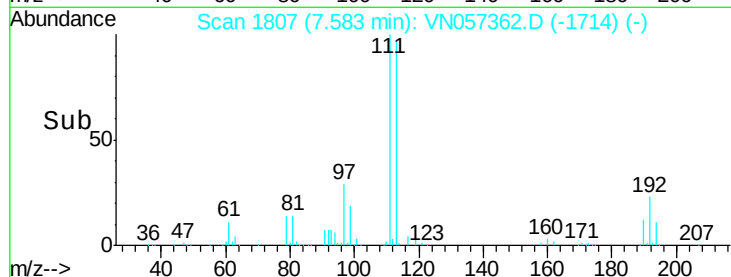
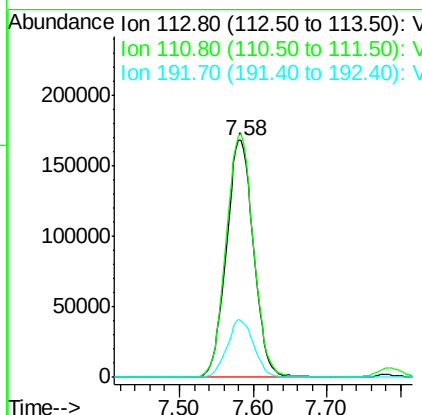
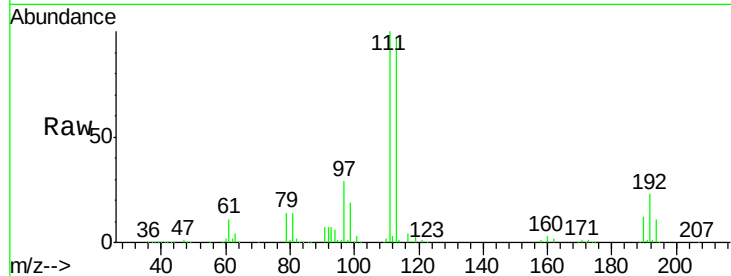
#35
 Dibromofluoromethane
 Concen: 49.060 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	432983		
111	103.4	82.1	123.1	
192	23.9	19.3	28.9	

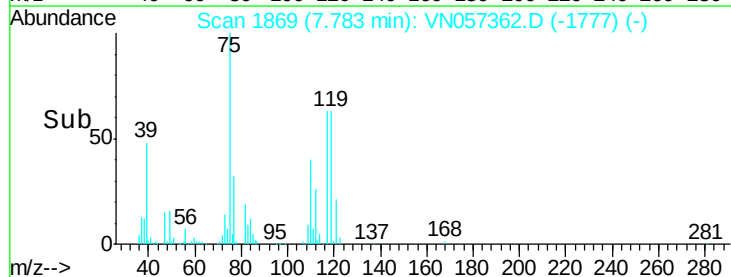
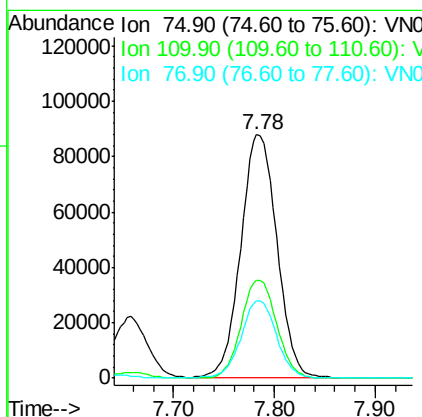
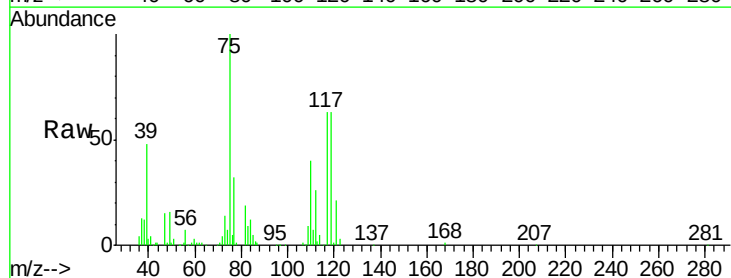
Manual Integrations
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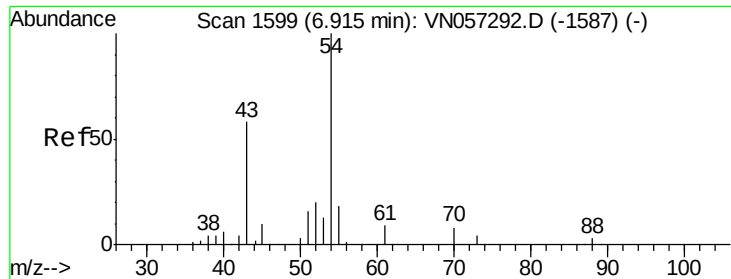
MMDadoda
 8/19/2019 12:19:27 PM



#36
 1,1-Dichloropropene
 Concen: 18.240 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	216832		
110	39.8	19.5	58.5	
77	31.6	25.0	37.6	





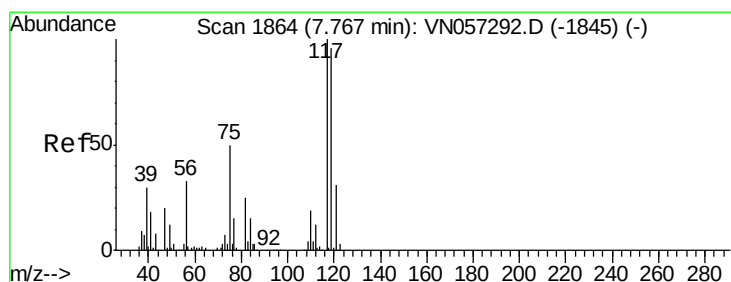
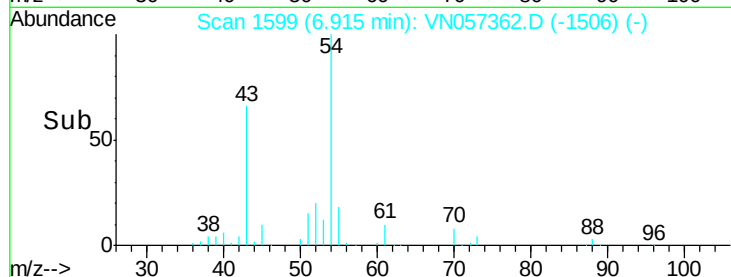
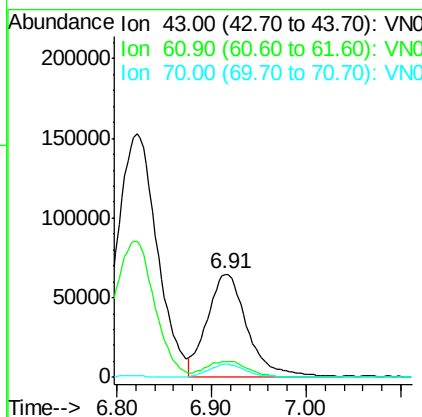
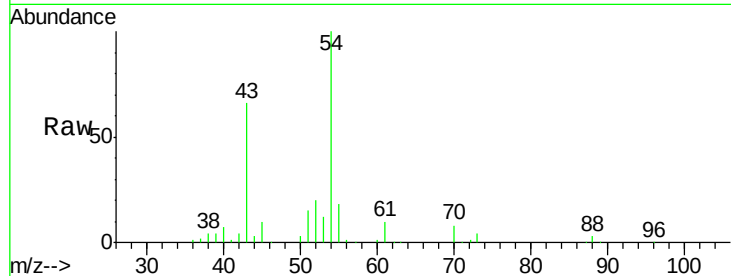
#37
Ethyl Acetate
Concen: 19.358 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampled :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.0	18.0
70	12.1	9.2	13.8

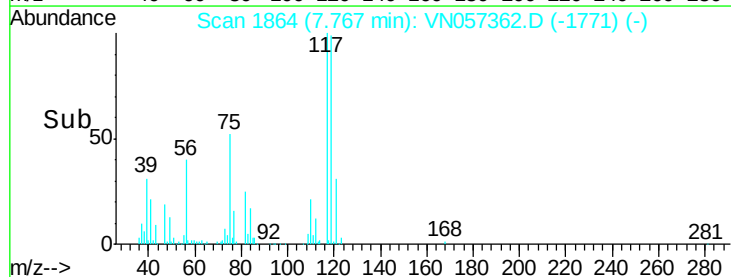
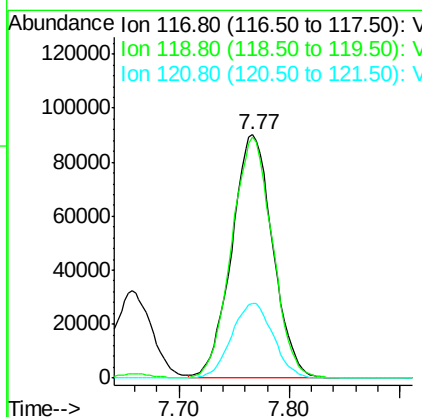
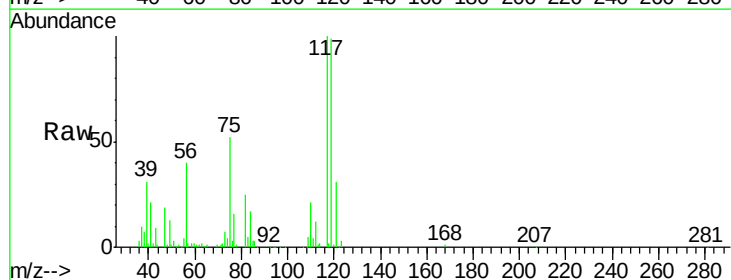
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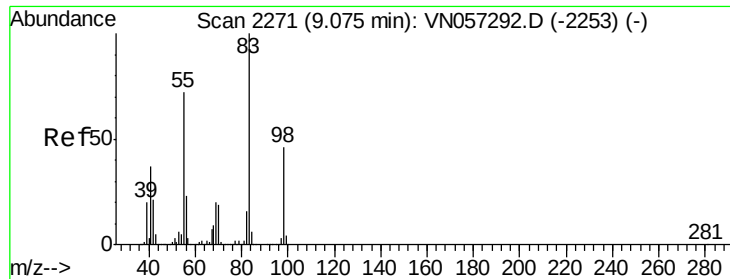
MMDadoda
8/19/2019 12:19:27 PM



#38
Carbon Tetrachloride
Concen: 18.859 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.8	115.2
121	30.9	25.0	37.4





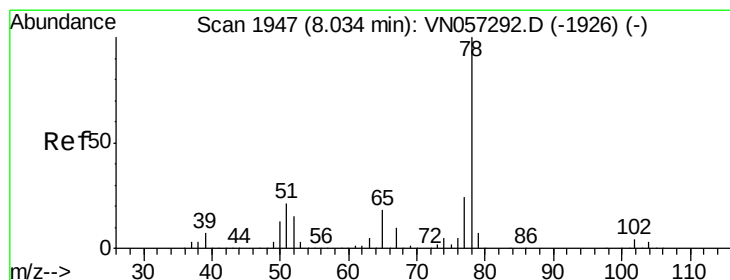
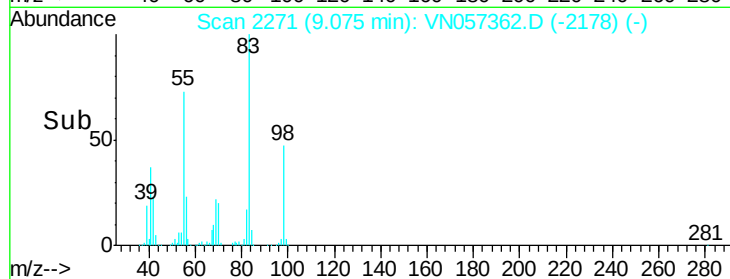
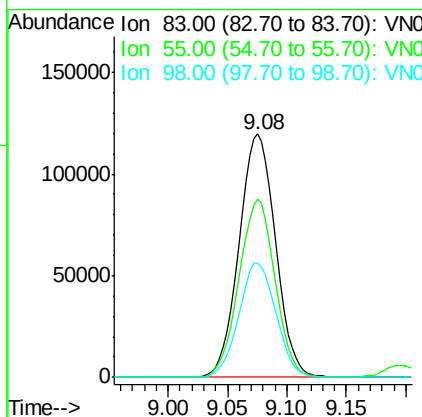
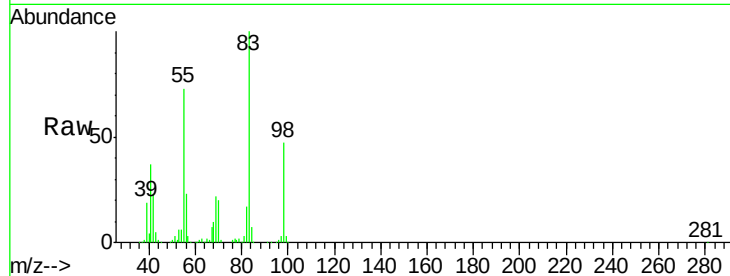
#39
Methylvlcyclohexane
Concen: 18.298 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	57.5	86.3
98	47.1	36.6	55.0

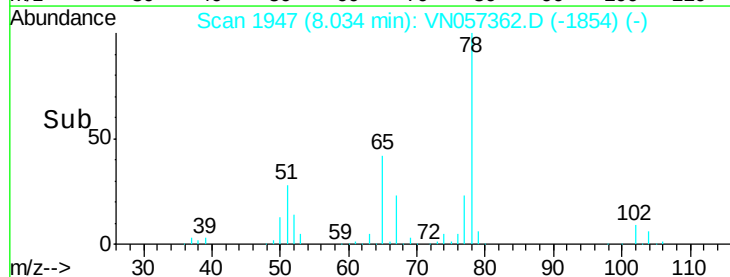
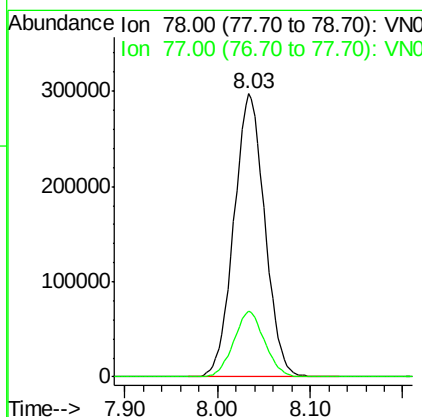
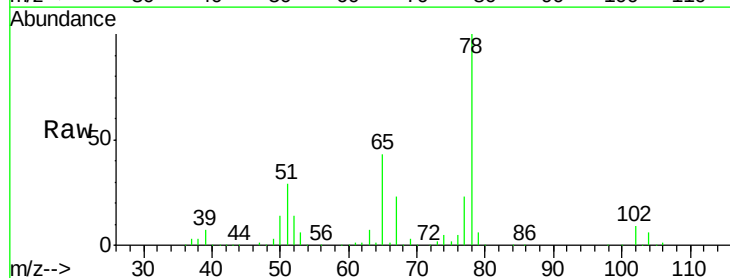
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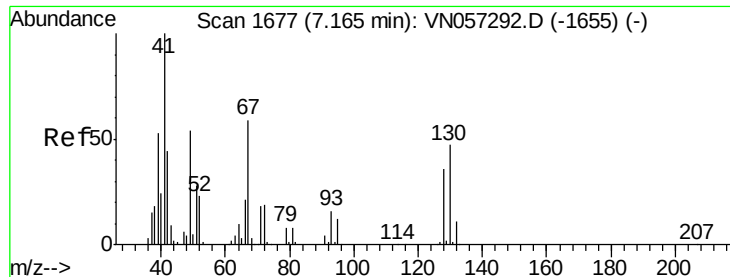
MMDadoda
8/19/2019 12:19:27 PM



#40
Benzene
Concen: 18.887 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





#41

Methacrylonitrile

Concen: 24.597 ug/l m

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampled :

VN0818WBSD01

Tot Ion: 41 Resp: 107848

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

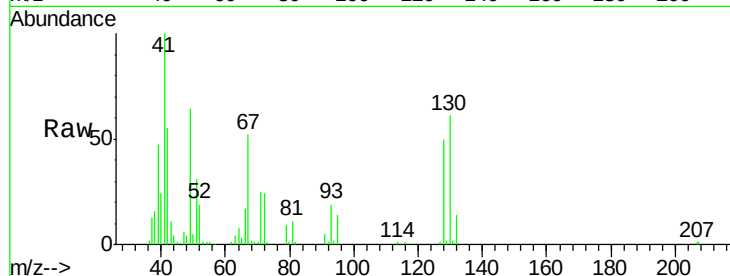
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

8/19/2019 12:19:27 PM

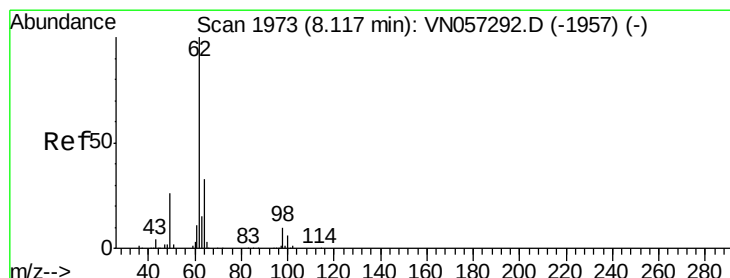
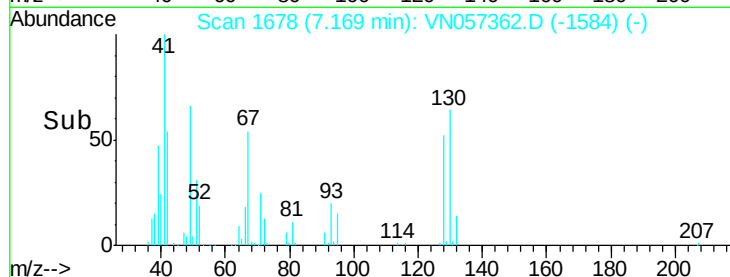
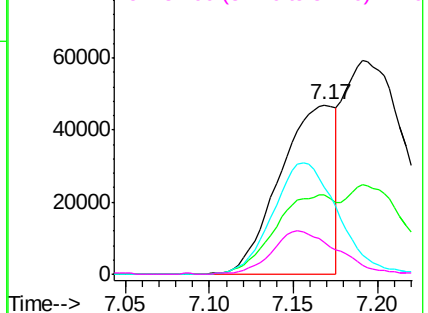


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 18.866 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN057362.D

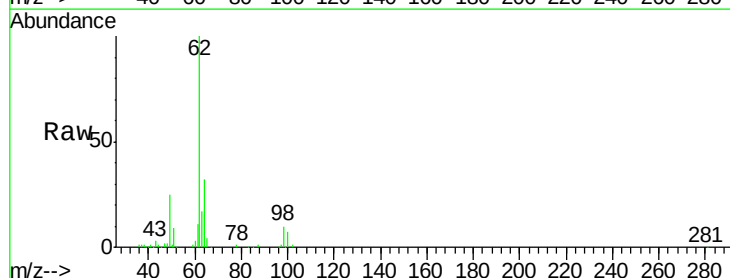
Acq: 16 Aug 2019 18:46

Tgt Ion: 62 Resp: 227026

Ion Ratio Lower Upper

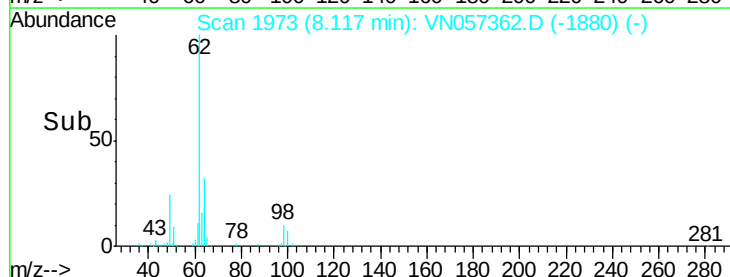
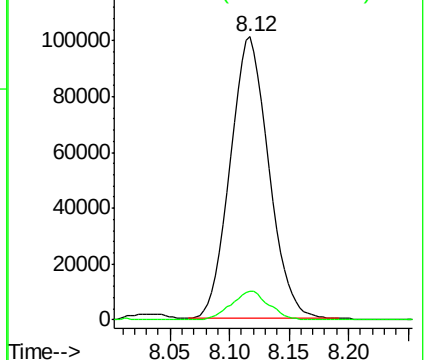
62 100

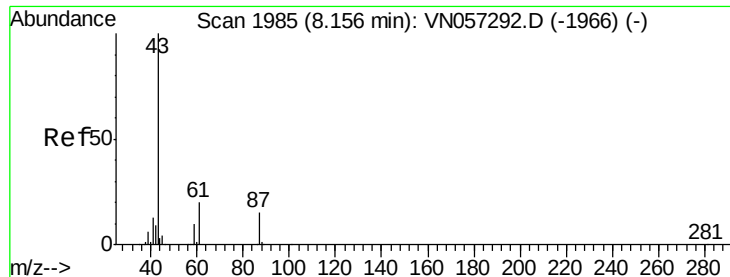
98 9.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





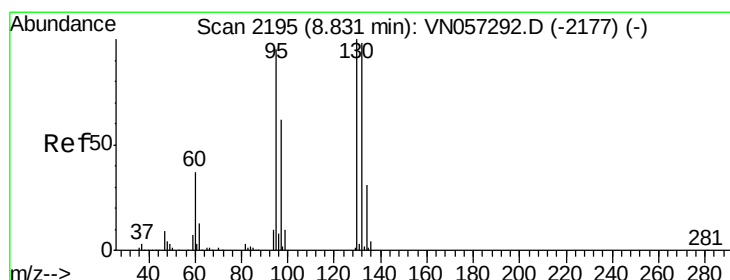
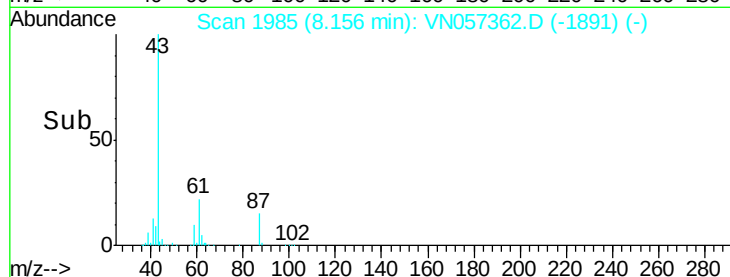
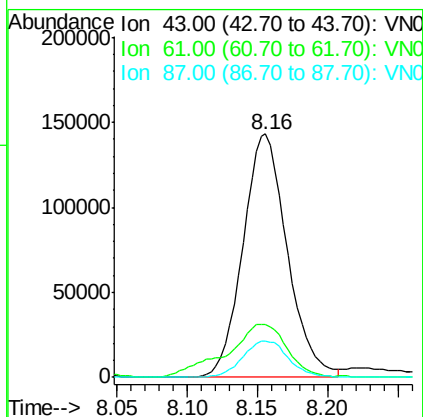
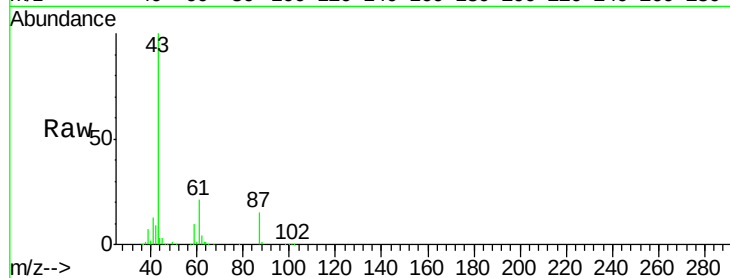
#43
Isopropyl Acetate
Concen: 16.858 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	21.6	32.4
87	15.6	11.4	17.0

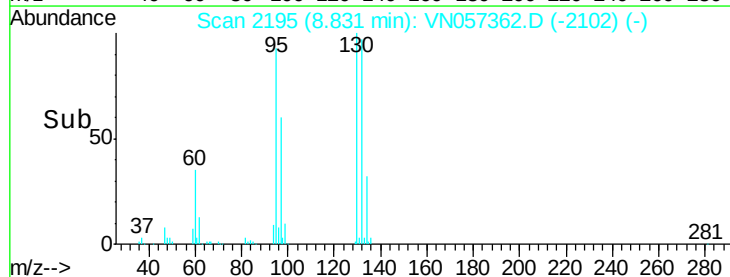
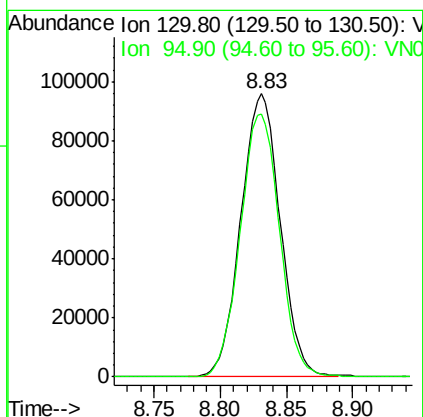
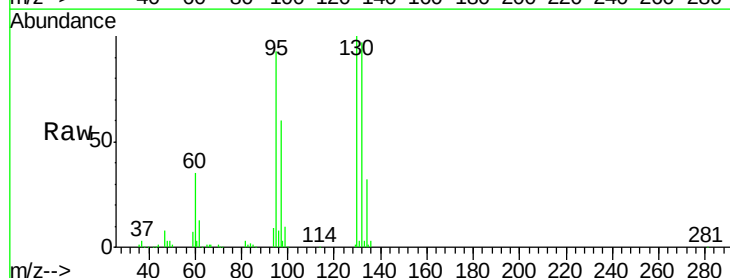
Manual Integrations
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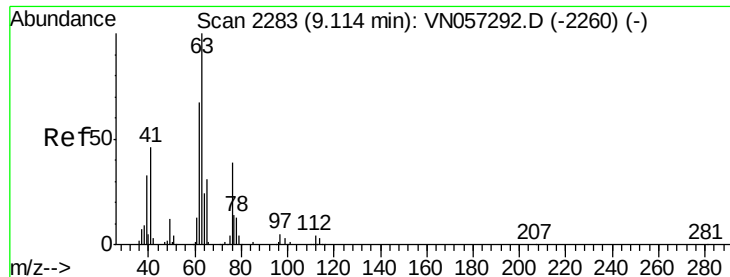
MMDadoda
8/19/2019 12:19:27 PM



#44
Trichloroethene
Concen: 19.386 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	189.2





#45

1,2-Dichloropropane

Concen: 19.194 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 63 Resp: 179888

Ion Ratio Lower Upper

63 100

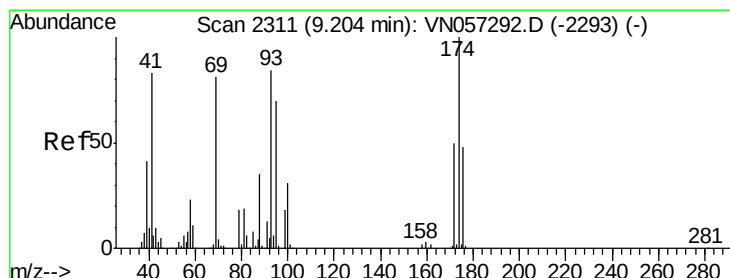
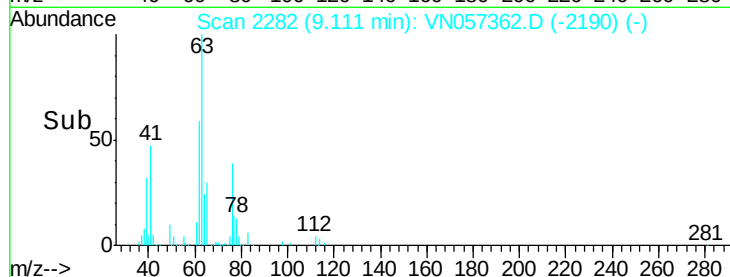
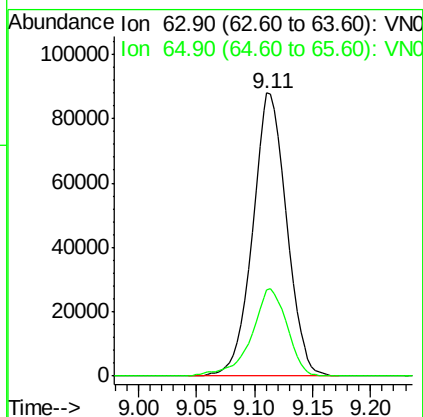
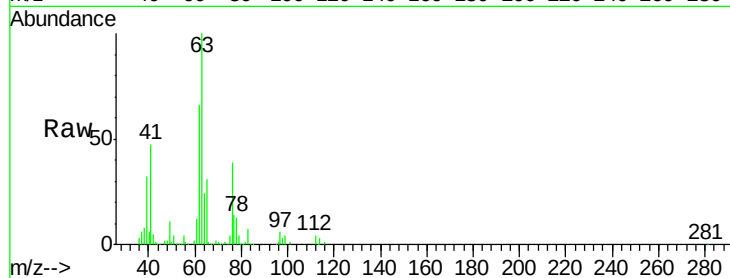
65 30.4 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 18.718 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

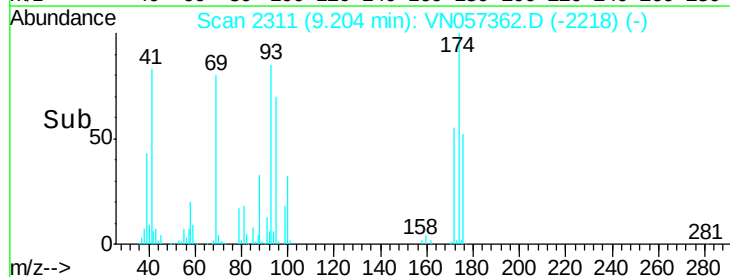
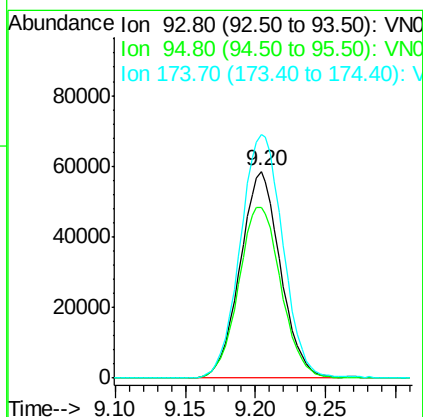
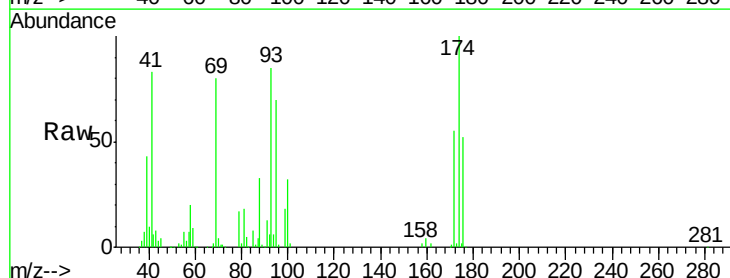
Tgt Ion: 93 Resp: 117032

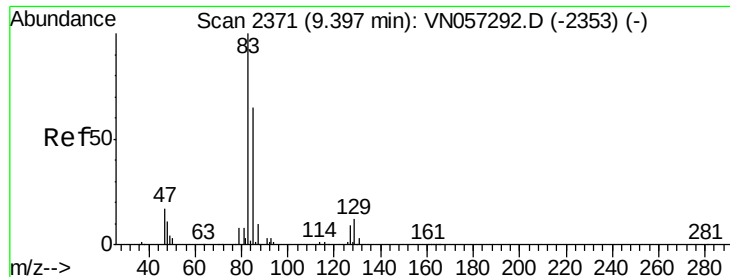
Ion Ratio Lower Upper

93 100

95 86.9 66.5 99.7

174 124.5 95.7 143.5





#47

Bromodichloromethane

Concen: 19.039 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

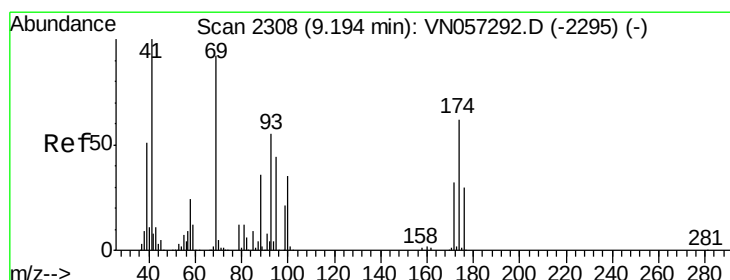
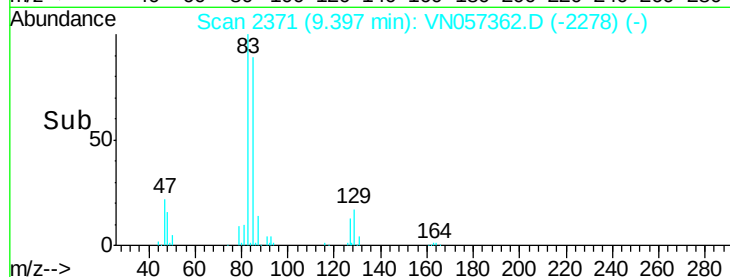
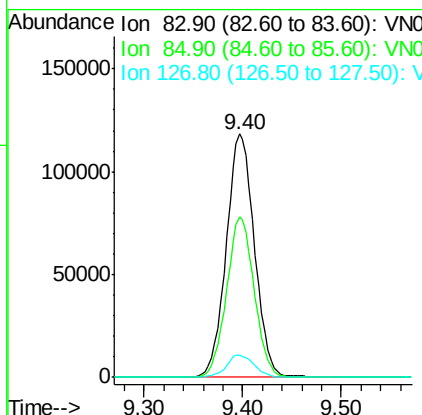
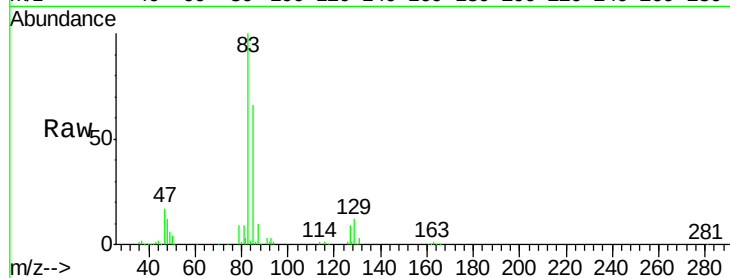
ClientSampleId :

VN0818WBSD01

Tot Ion:	83	Resp:	235848
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.9	77.9
127	9.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.345 ug/l

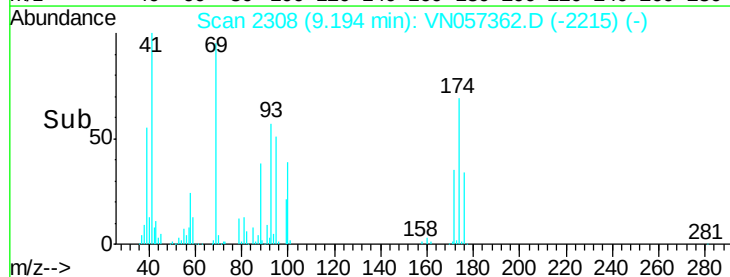
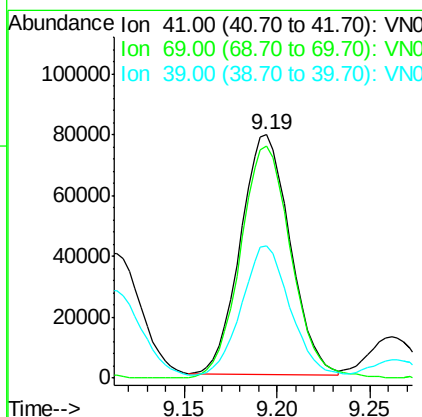
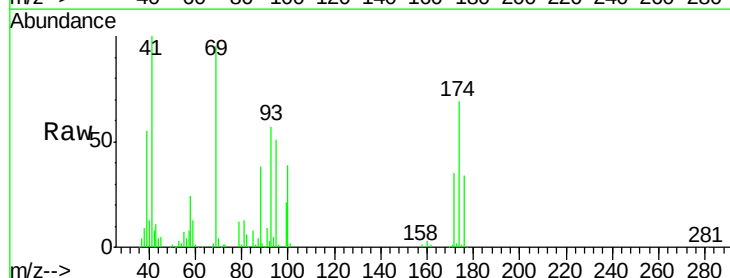
RT: 9.19 min Scan# 2308

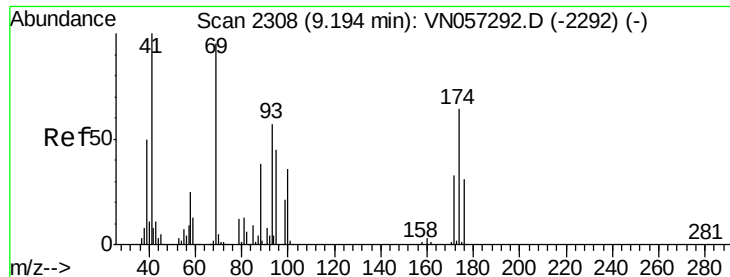
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion:	41	Resp:	147086
Ion Ratio	Lower	Upper	
41	100		
69	99.3	75.9	113.9
39	52.9	42.3	63.5





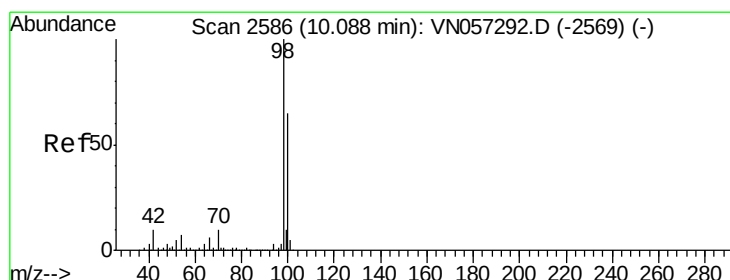
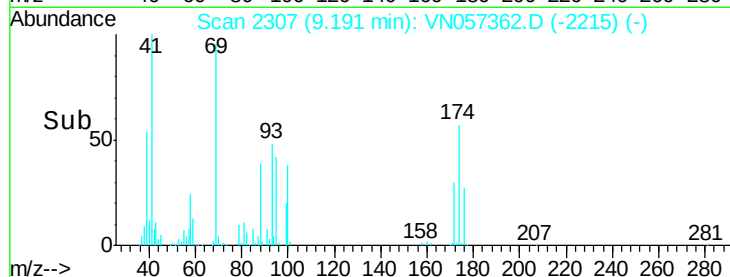
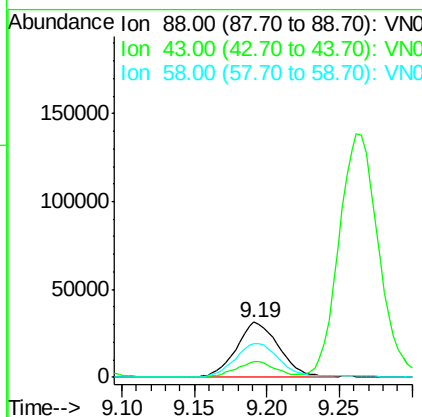
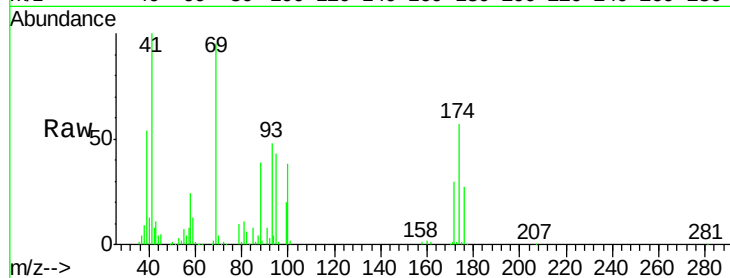
#49
1,4-Dioxane
Concen: 383.334 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampled :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.3	22.9	34.3
58	64.1	52.7	79.1

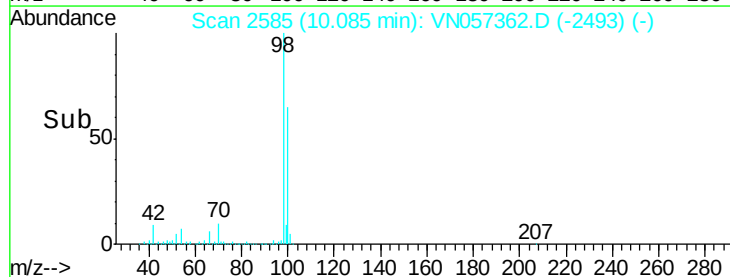
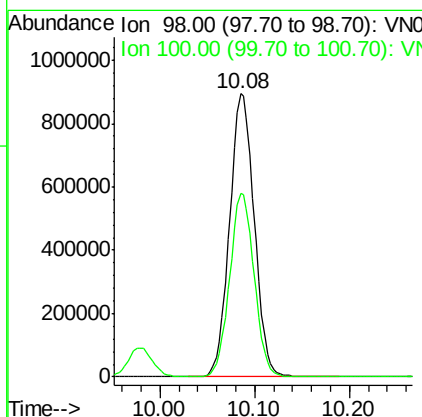
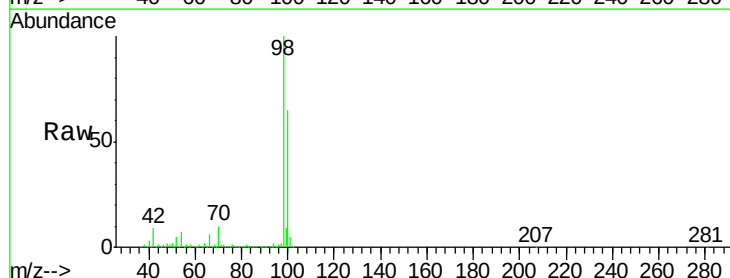
Manual Integrations
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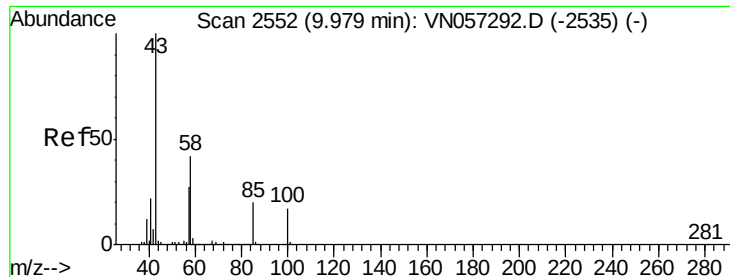
MMDadoda
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#50
Toluene-d8
Concen: 50.214 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 92.749 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 43 Resp: 931610

Ion Ratio Lower Upper

43 100

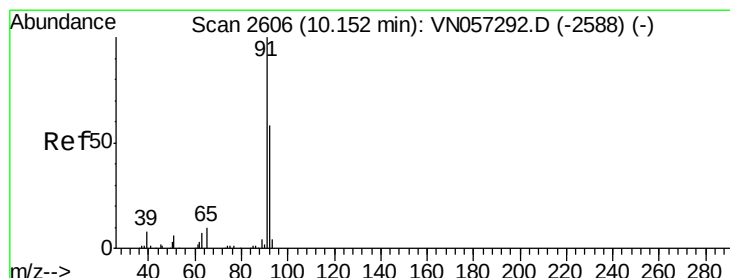
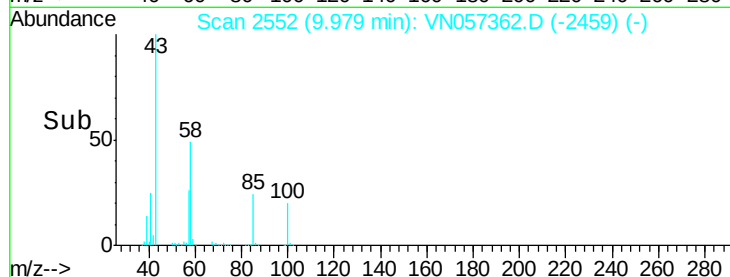
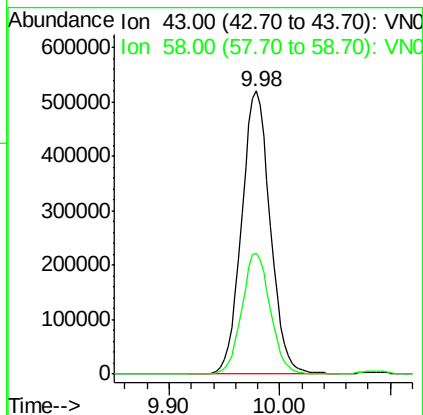
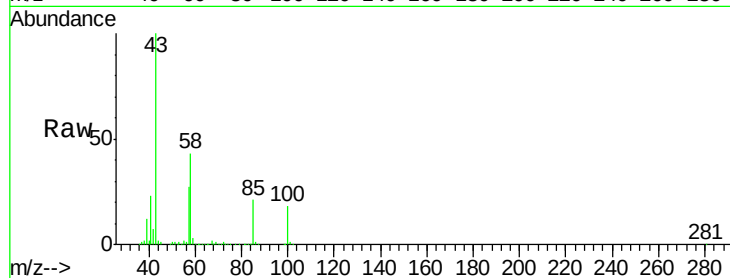
58 42.5 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 19.596 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057362.D

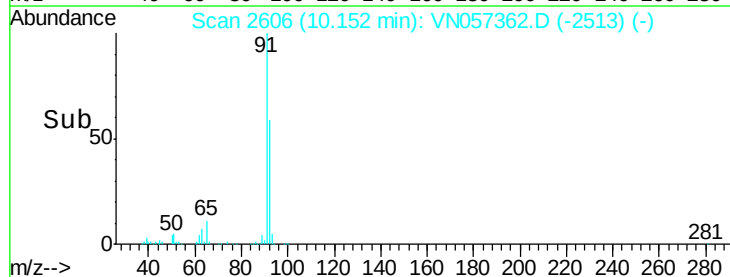
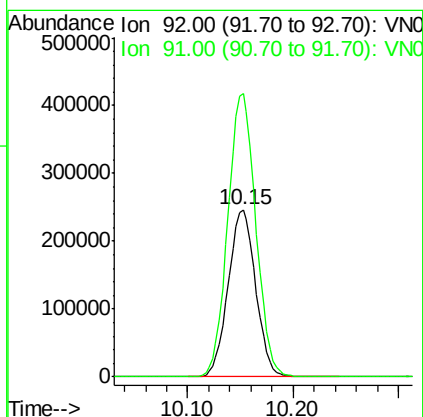
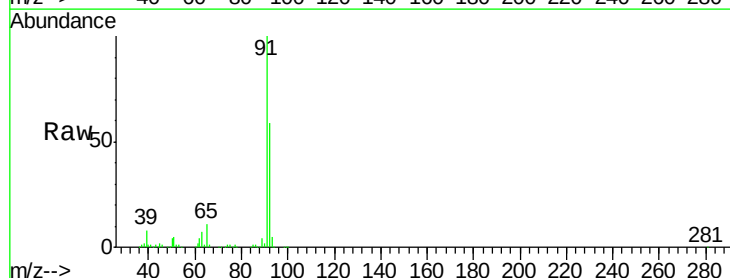
Acq: 16 Aug 2019 18:46

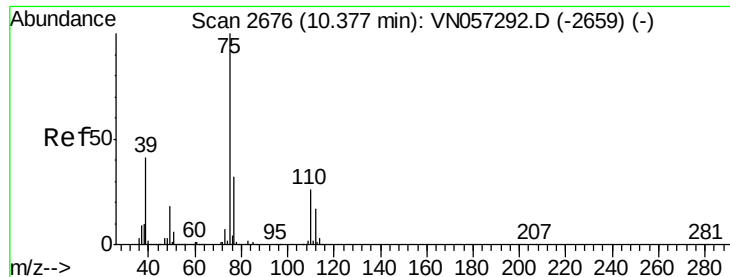
Tgt Ion: 92 Resp: 443467

Ion Ratio Lower Upper

92 100

91 172.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 18.989 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 75 Resp: 254446

Ion Ratio Lower Upper

75 100

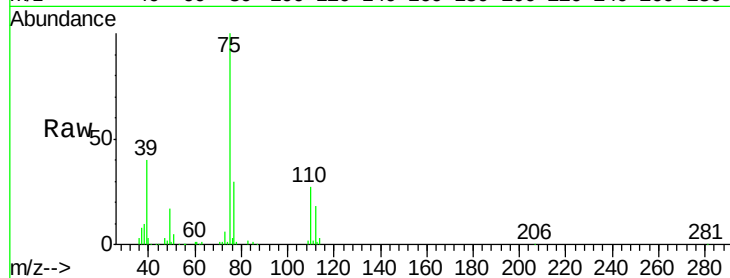
77 30.0 25.5 38.3

Manual Integrations

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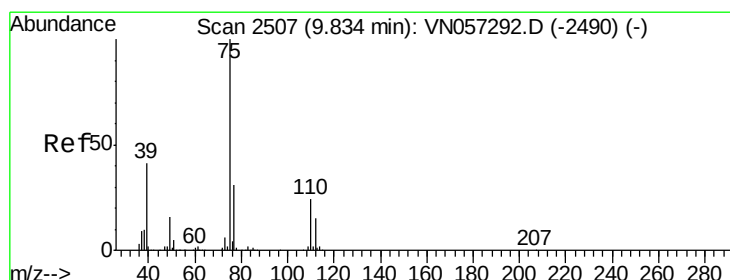
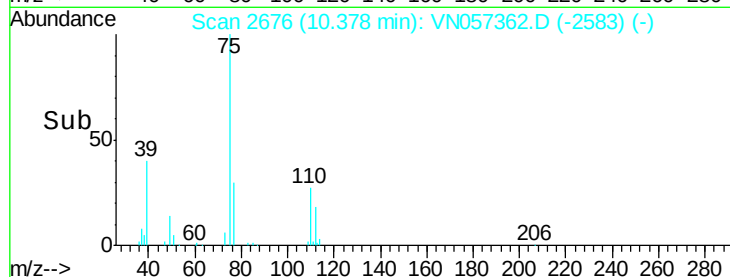
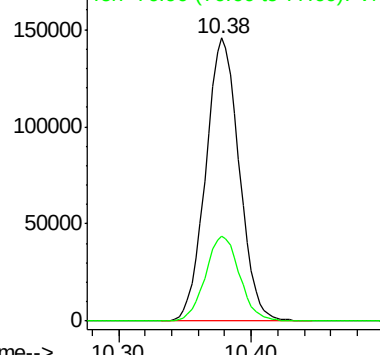
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.997 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

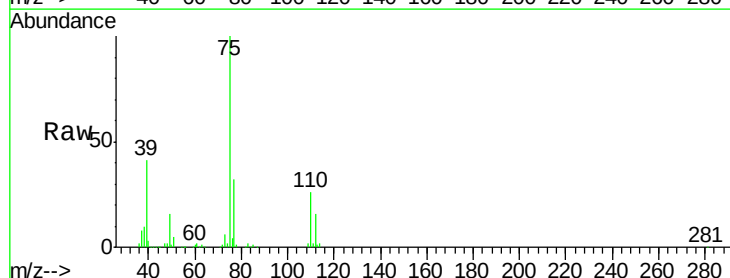
Tgt Ion: 75 Resp: 280696

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3

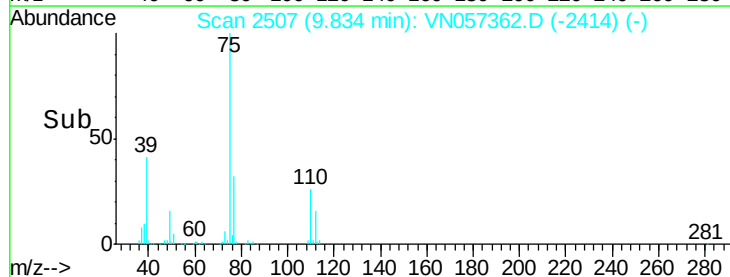
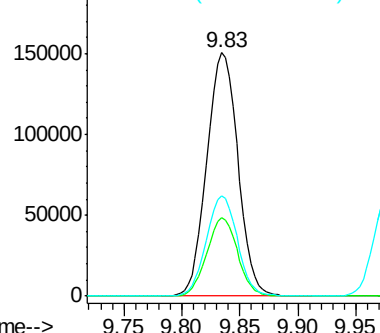
39 41.0 32.7 49.1

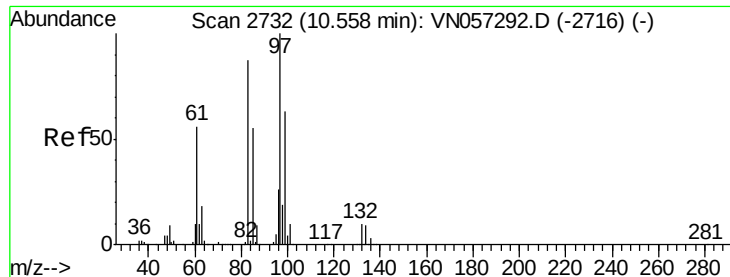


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





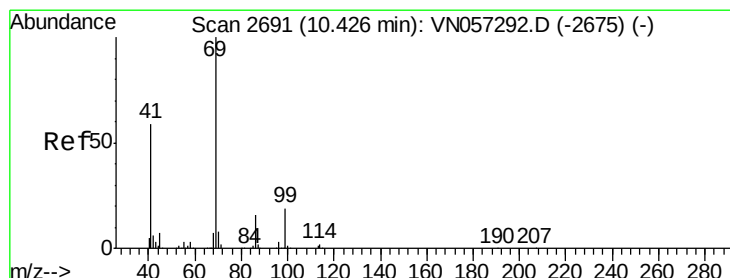
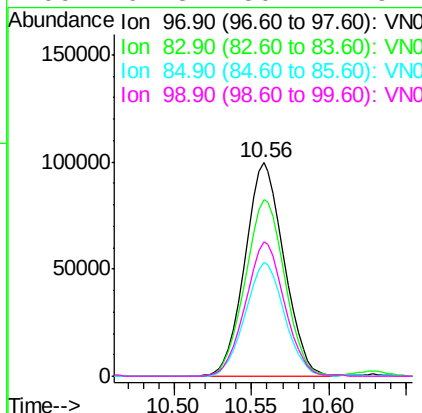
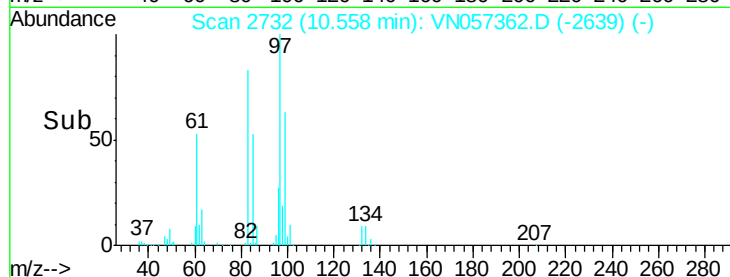
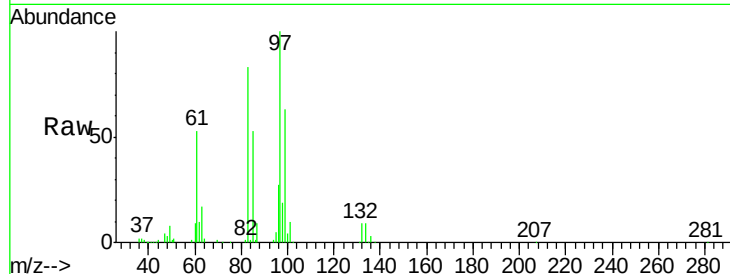
#55
 1,1,2-Trichloroethane
 Concen: 19.690 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		175224		
83	83.0	69.8	104.8		
85	53.2	44.1	66.1		
99	62.8	50.2	75.2		

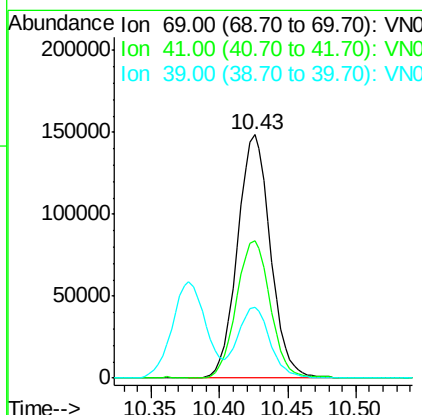
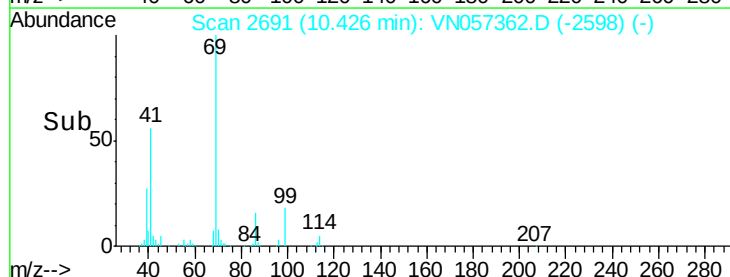
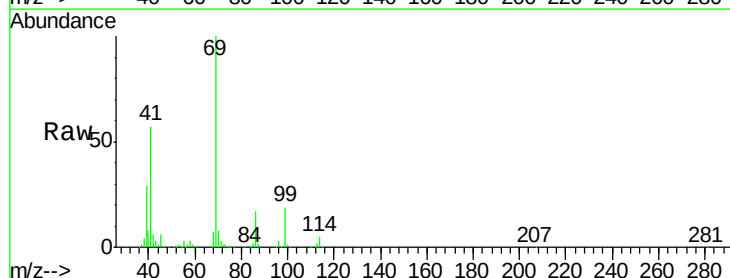
Manual Integrations
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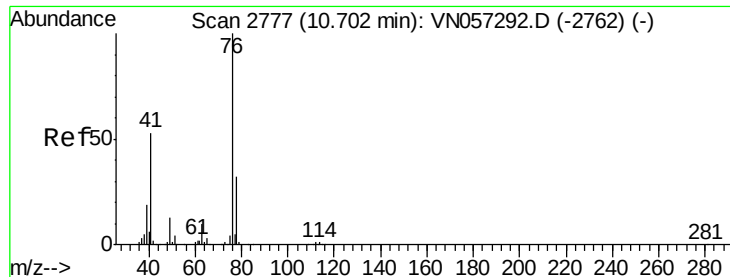
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#56
 Ethyl methacrylate
 Concen: 19.219 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		249587		
41	57.9	48.2	72.2		
39	28.2	23.4	35.0		





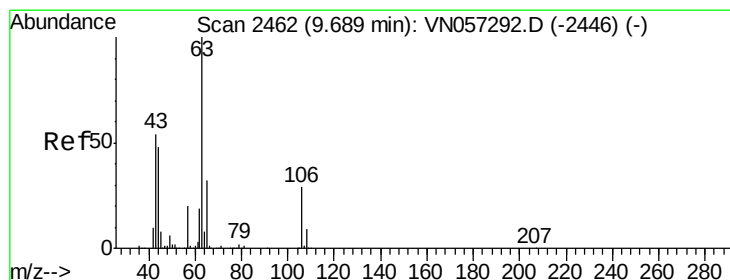
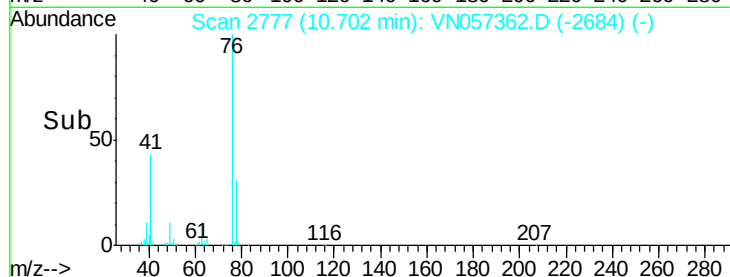
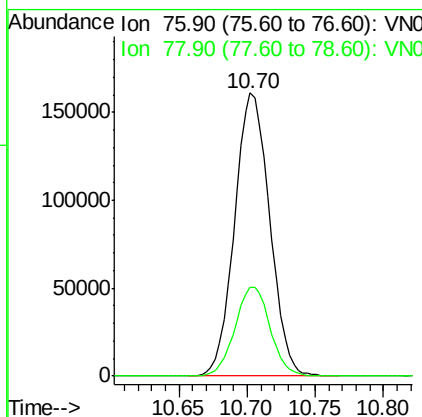
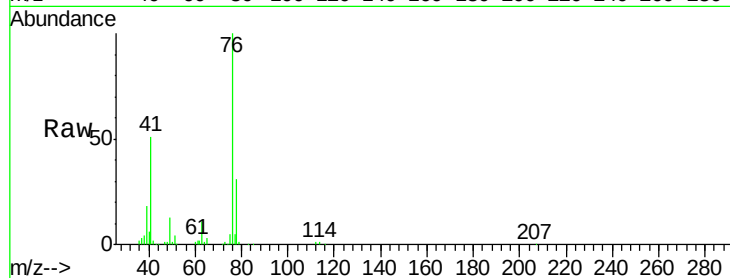
#57
 1,3-Dichloropropane
 Concen: 19.363 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.6	38.4

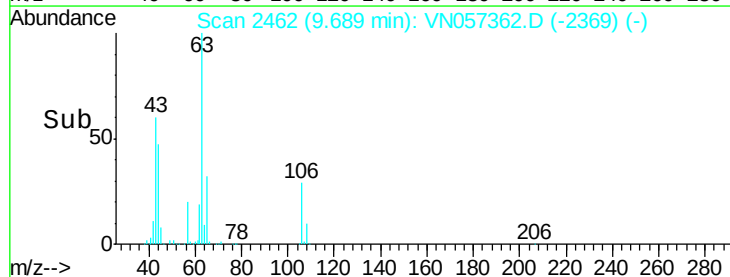
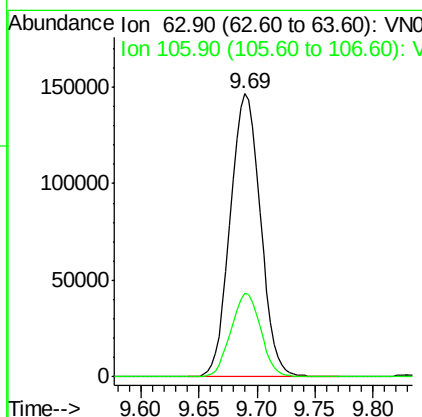
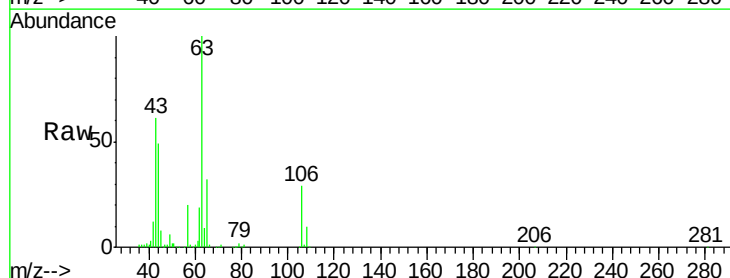
Manual Integrations
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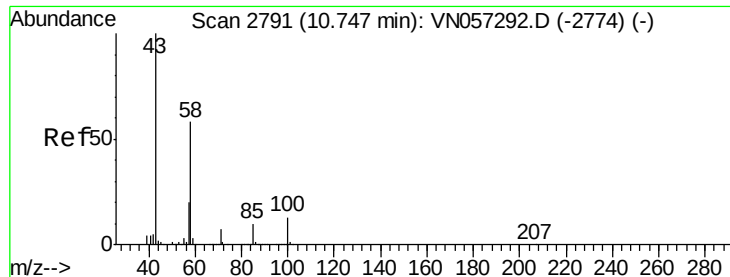
MMDadoda
 8/19/2019 12:19:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.834 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8





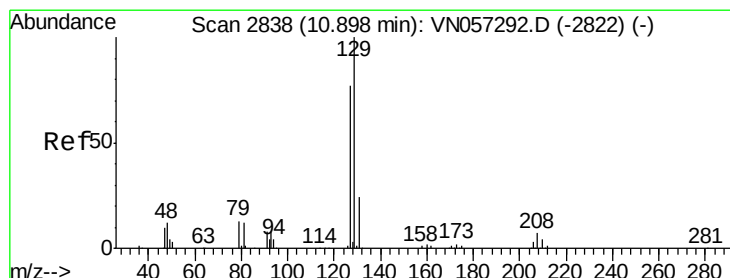
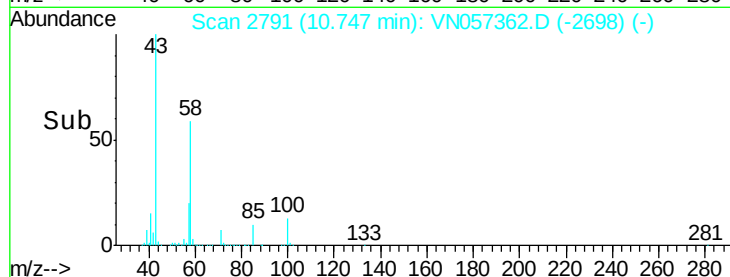
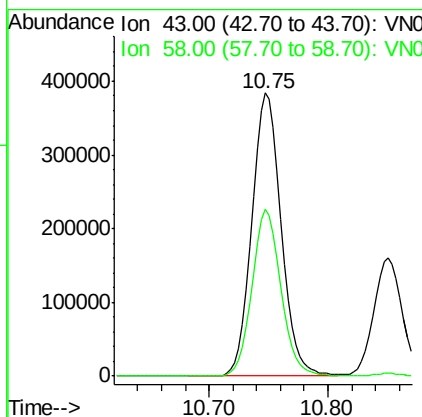
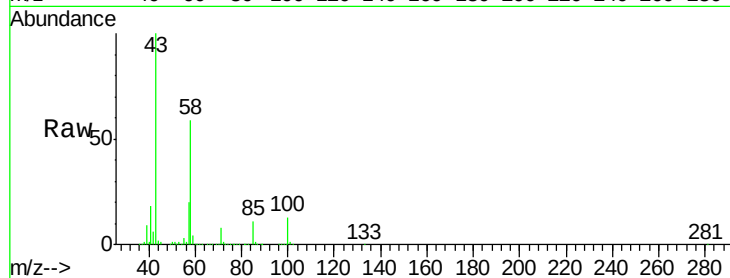
#59
2-Hexanone
Concen: 90.578 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	43	Resp	654084
Ion Ratio	Lower	Upper	
43	100		
58	58.2	28.6	85.9

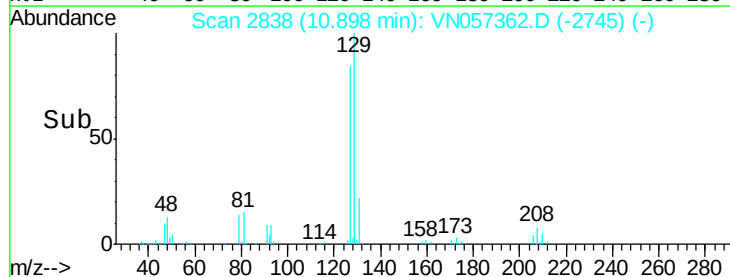
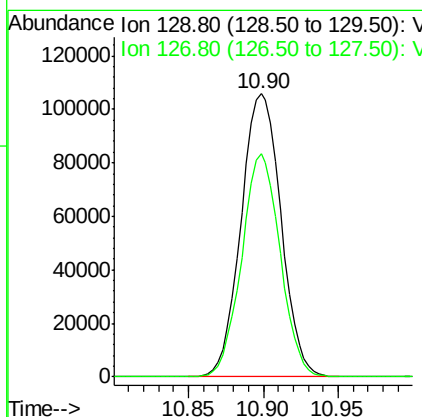
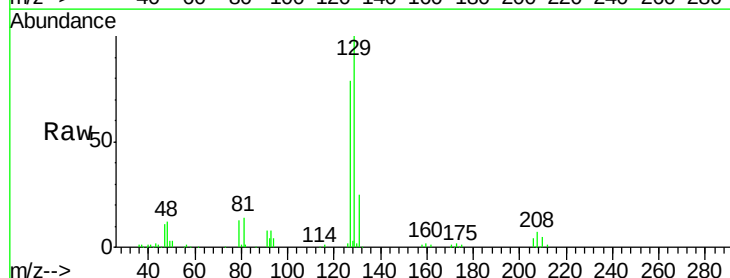
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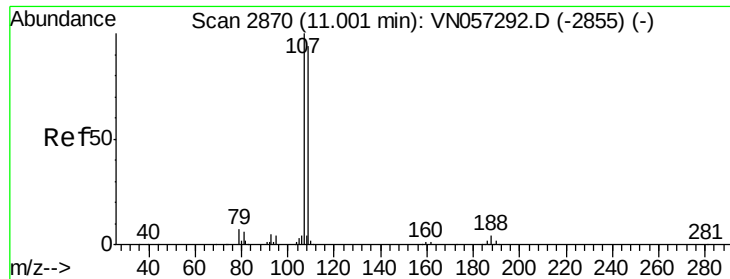
MMDadoda
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#60
Dibromochloromethane
Concen: 19.746 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	129	Resp	196921
Ion Ratio	Lower	Upper	
129	100		
127	75.8	39.0	116.9





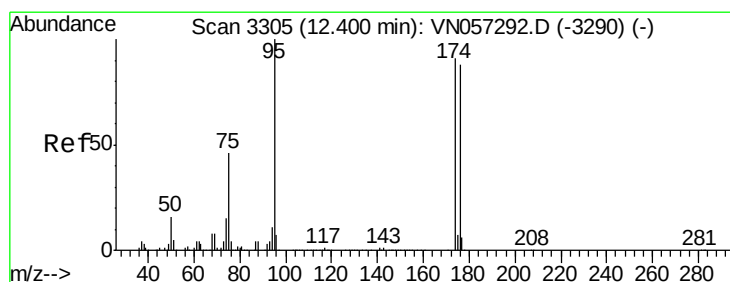
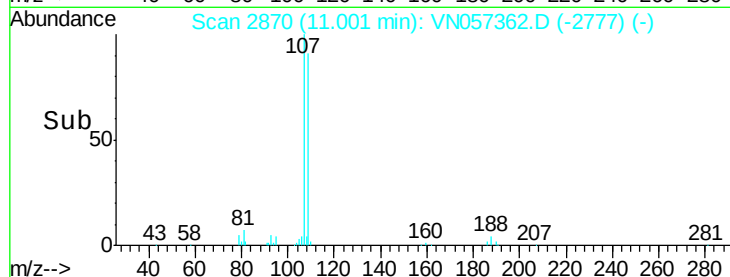
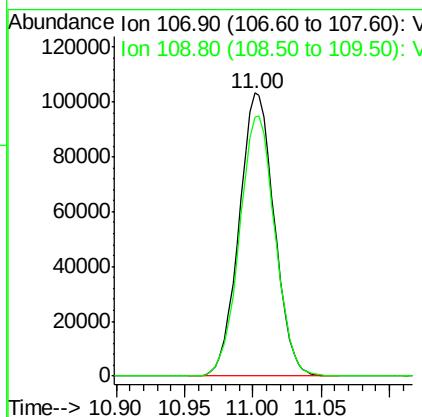
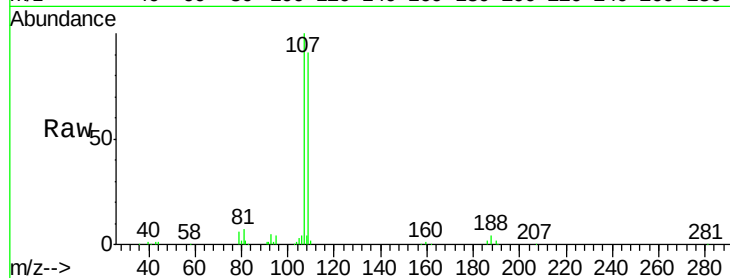
#61
 1,2-Dibromoethane
 Concen: 19.465 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.7	113.5

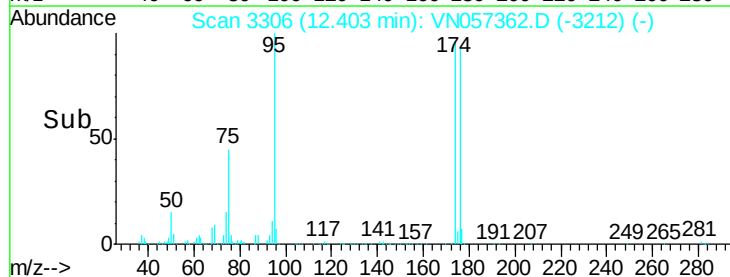
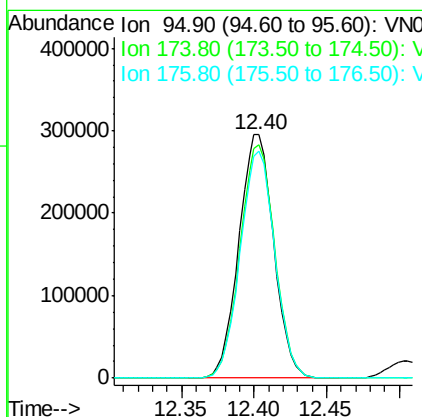
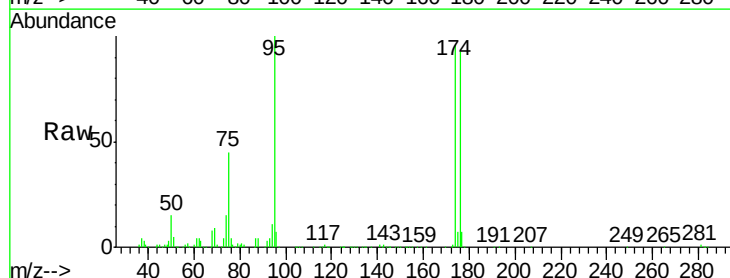
Manual Integrations
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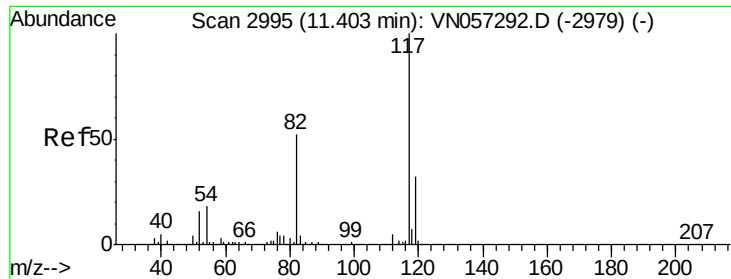
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 43.199 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	185.0
176	92.7	0.0	181.0





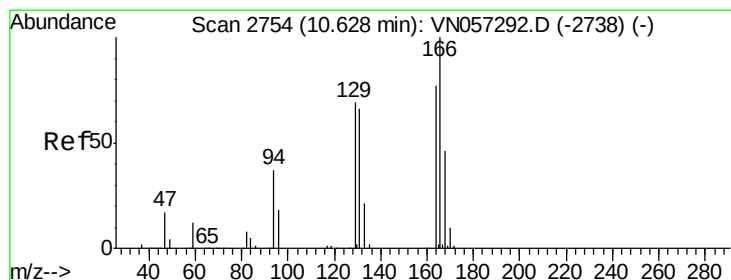
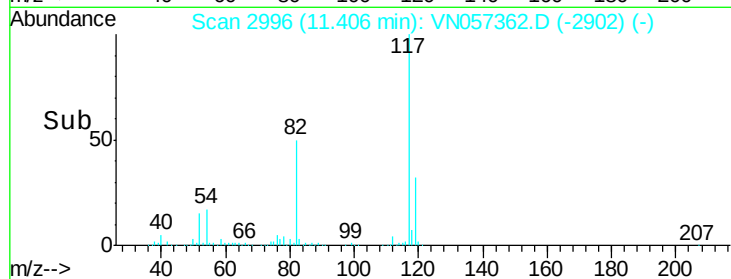
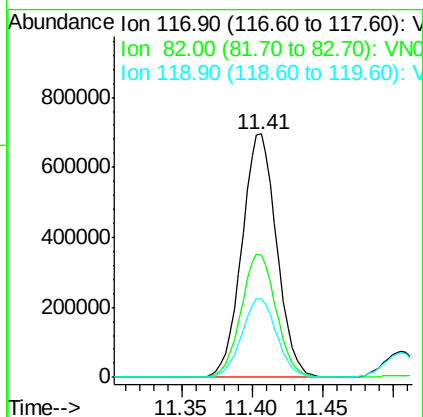
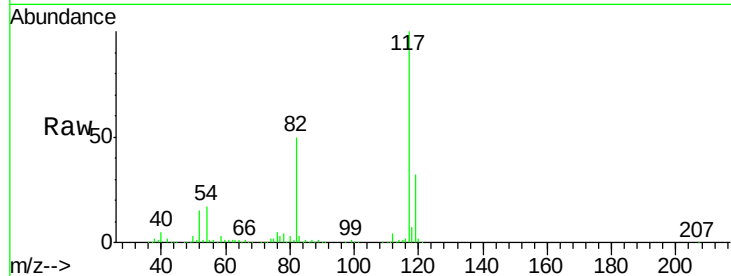
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.2	61.8
119	32.2	25.8	38.8

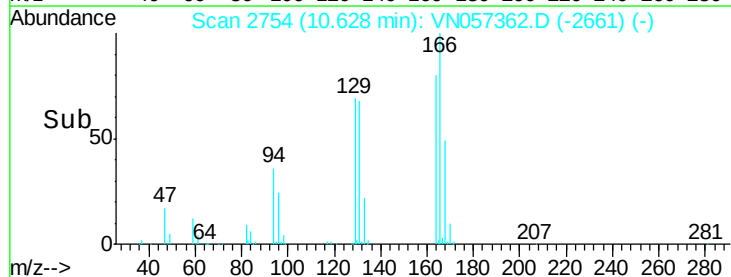
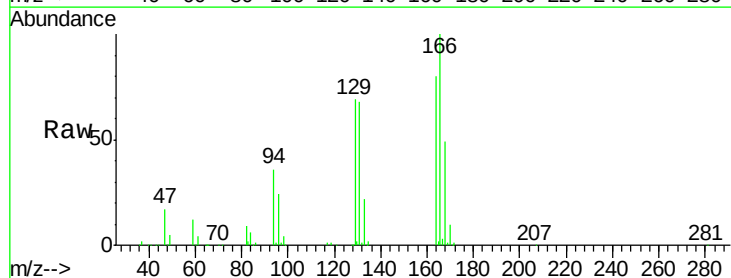
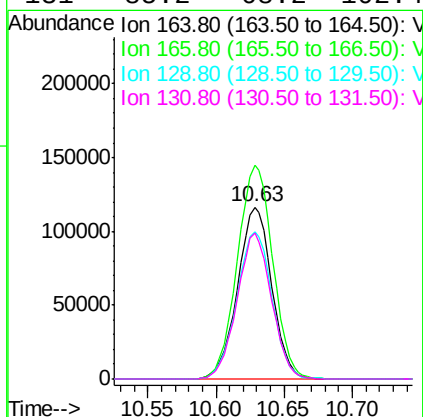
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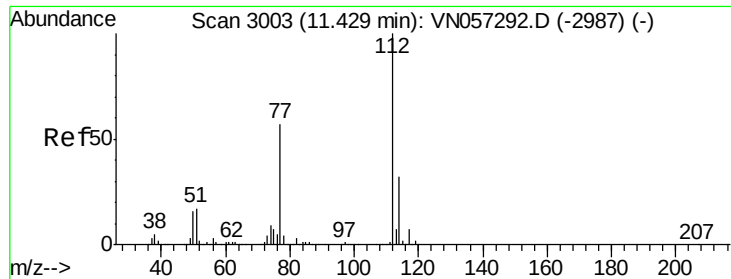
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#64
Tetrachloroethene
Concen: 19.515 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.5	155.3
129	85.7	71.2	106.8
131	85.2	68.2	102.4





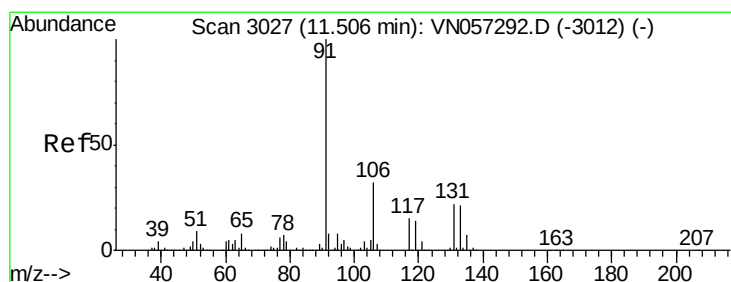
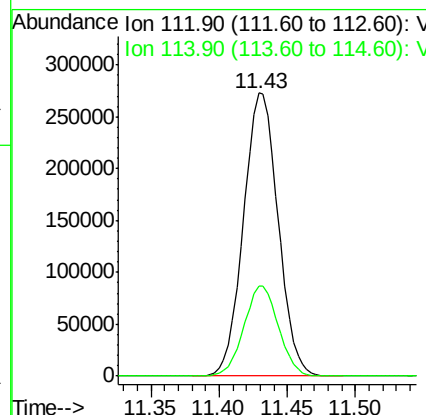
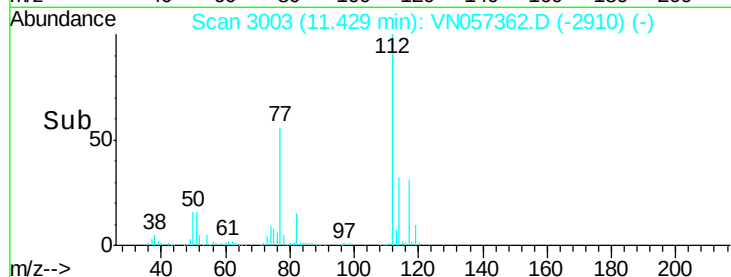
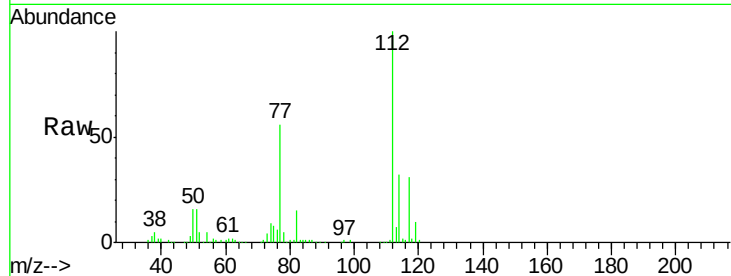
#65
Chlorobenzene
Concen: 19.627 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5

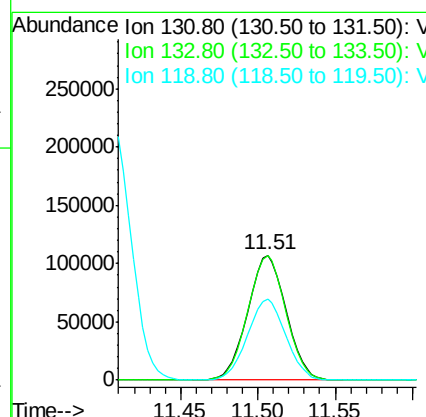
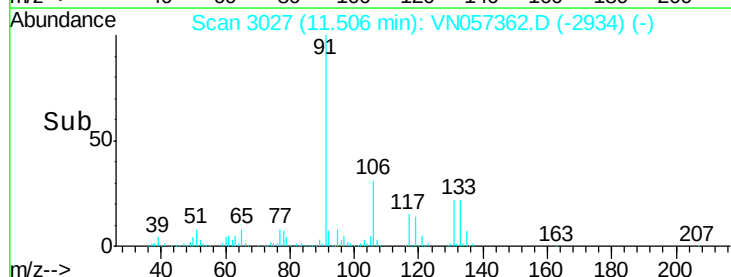
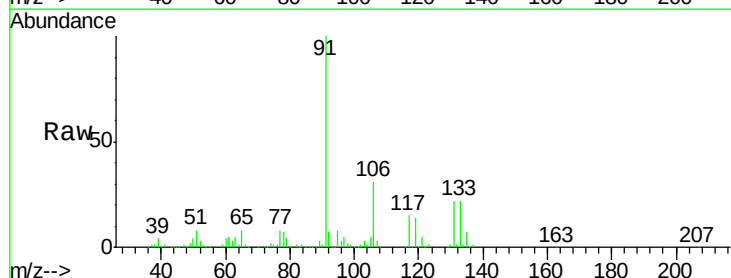
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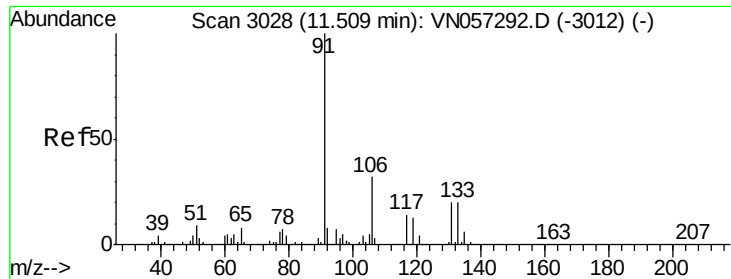
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.708 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.1	47.6	142.8
119	64.9	32.0	96.2





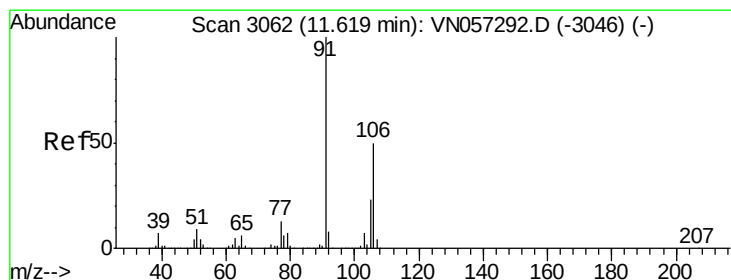
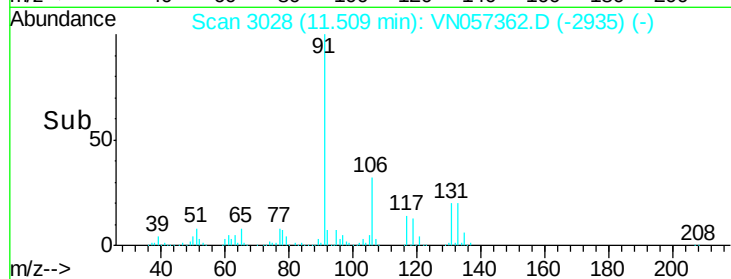
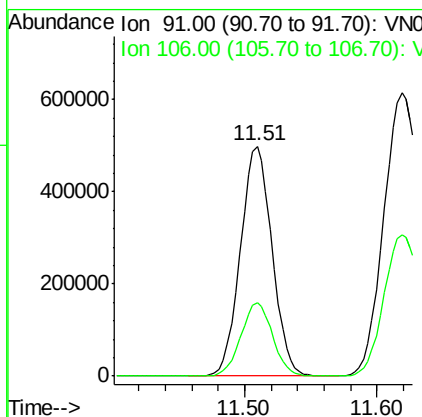
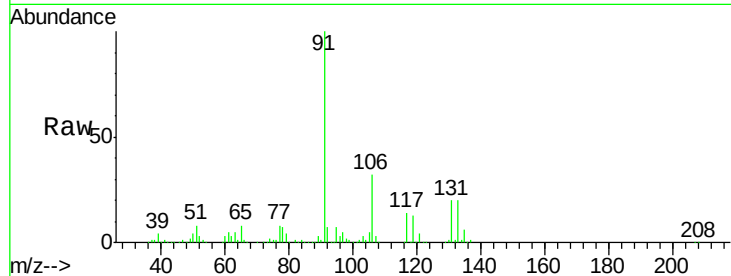
#67
Ethyl Benzene
Concen: 19.288 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampled :
VN0818WBSD01

Tot Ion: 91 Resp: 826650
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

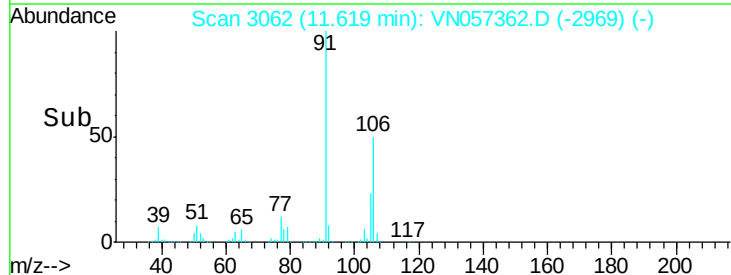
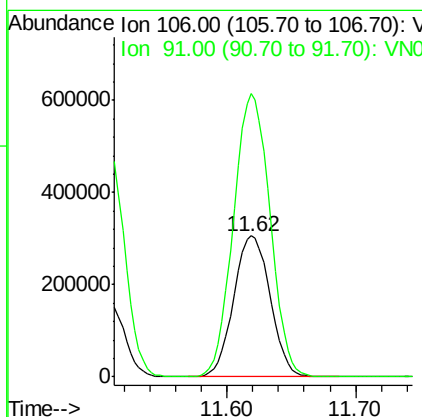
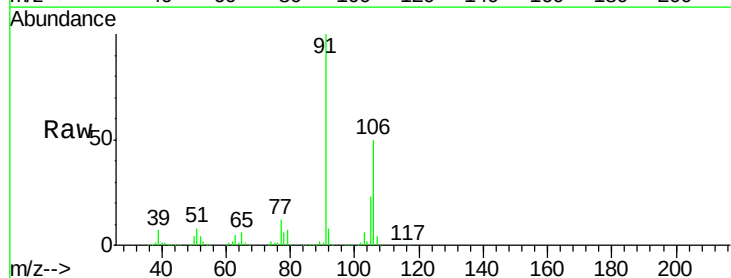
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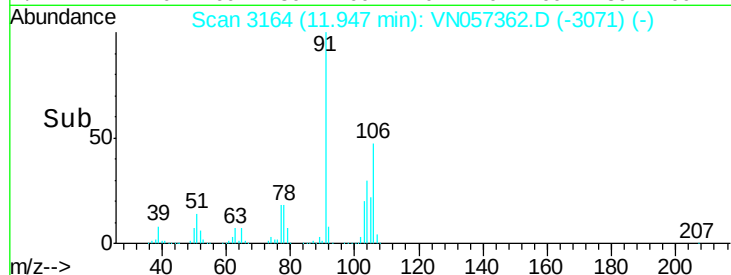
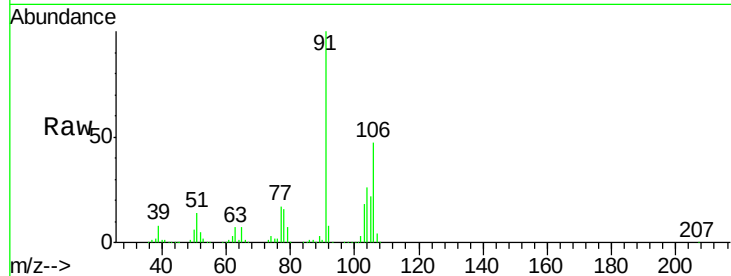
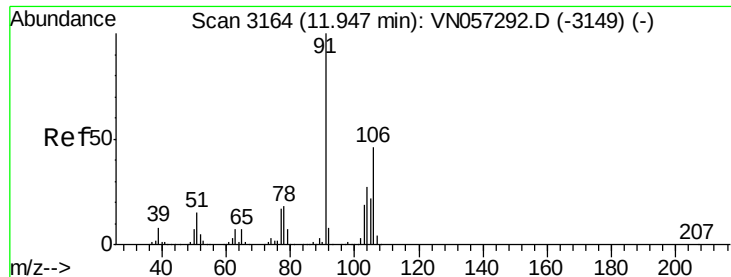
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#68
m/p-Xylenes
Concen: 38.135 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 106 Resp: 602180
Ion Ratio Lower Upper
106 100
91 200.7 161.5 242.3





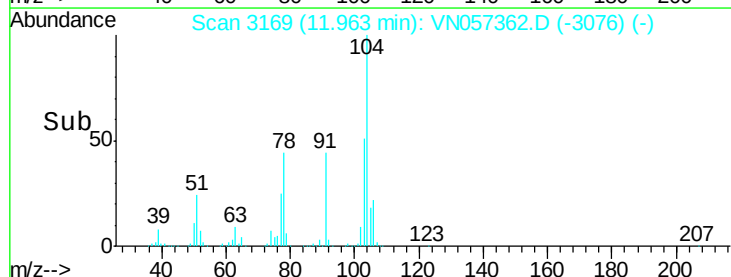
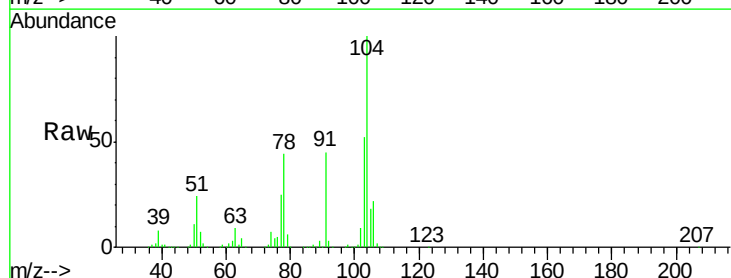
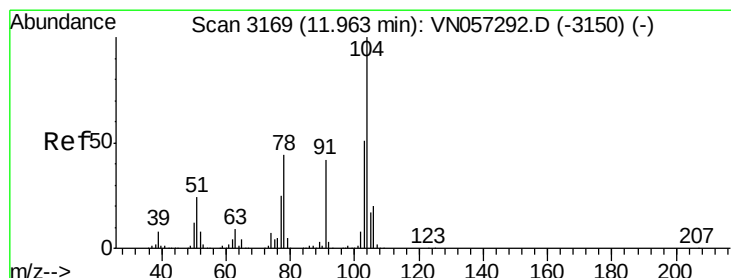
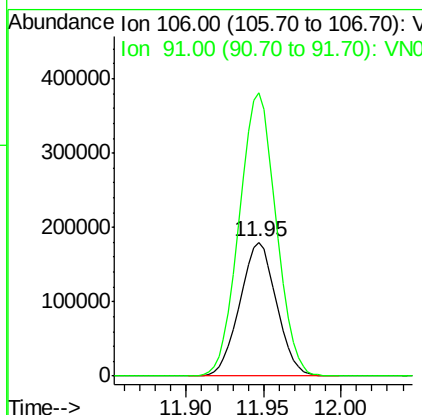
#69
o-Xylene
Concen: 19.107 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		296242		
91	213.3	106.3	319.0		

Instrument :
MSVOA_N
ClientSampled :
VN0818WBSD01

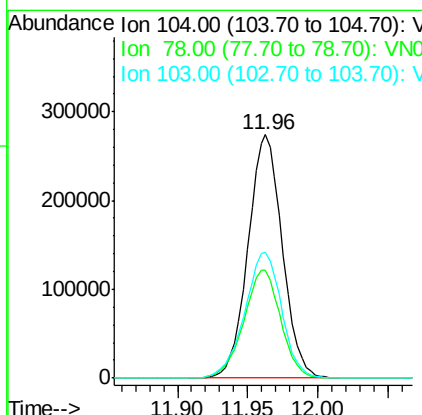
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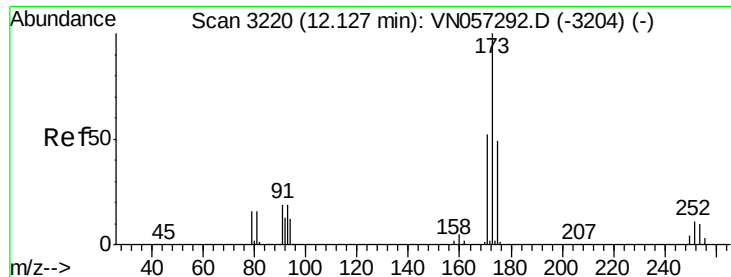
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#70
Styrene
Concen: 18.815 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		465003		
78	48.1	39.2	58.8		
103	56.0	44.6	66.8		





#71

Bromoform

Concen: 19.515 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

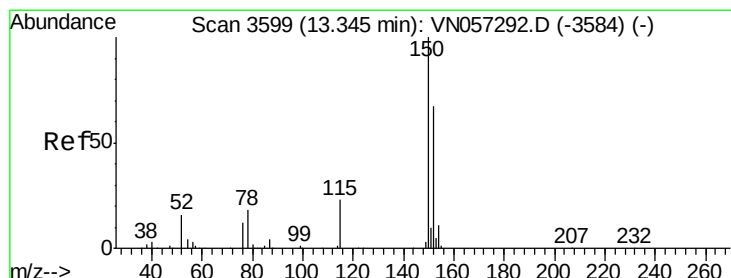
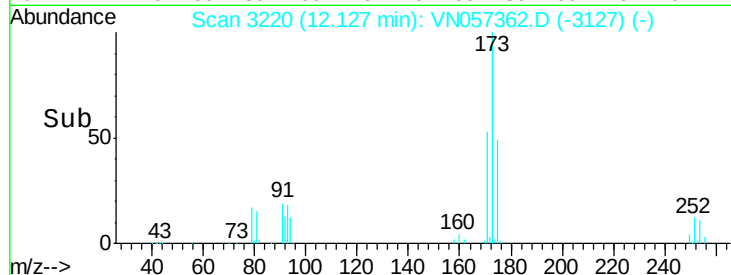
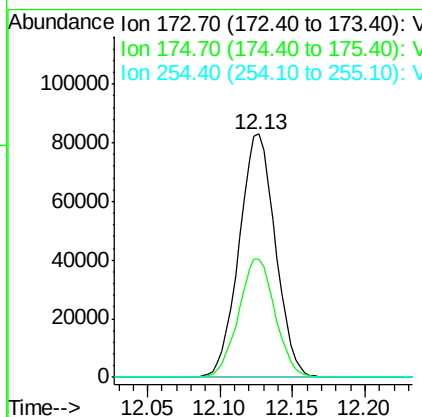
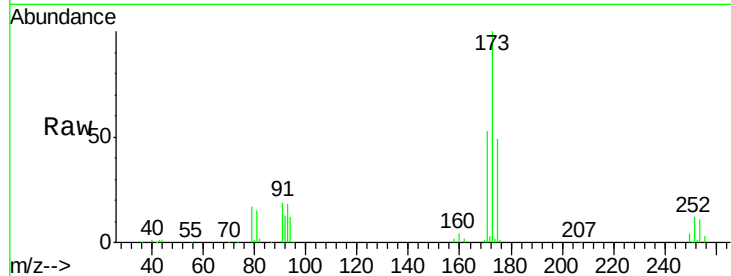
ClientSampleId :

VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

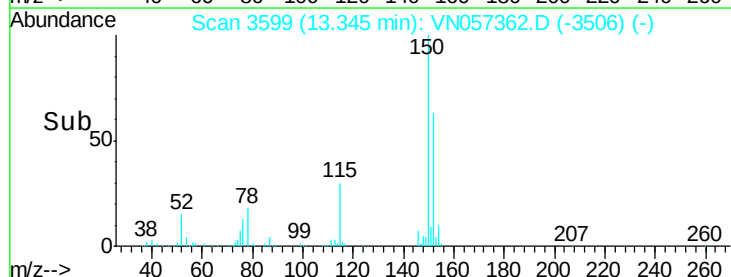
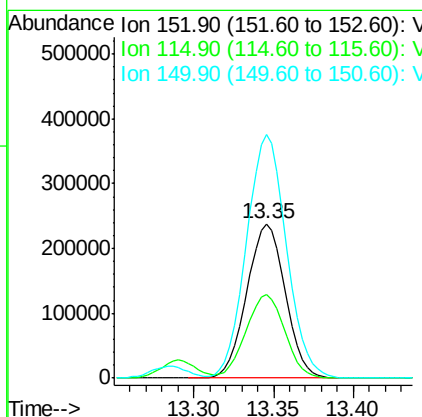
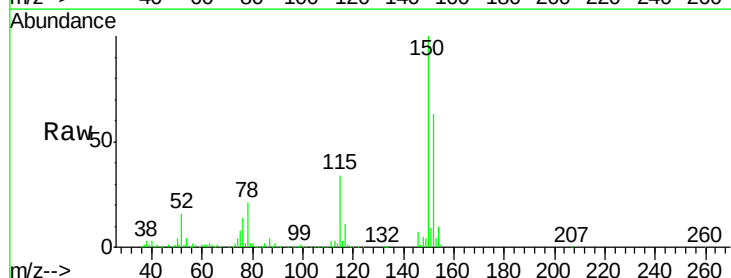
RT: 13.35 min Scan# 3599

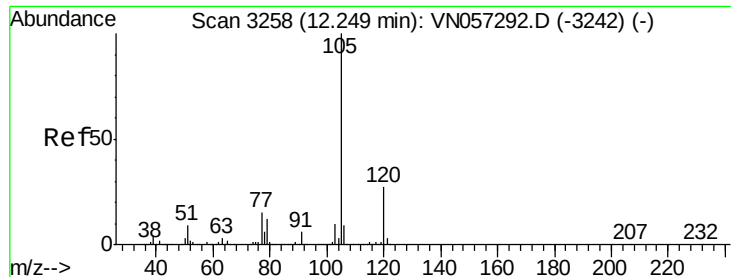
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.3	81.9
150	163.6	0.0	344.4





#73

Isopropylbenzene

Concen: 23.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion:105 Resp: 793507

Ion Ratio Lower Upper

105 100

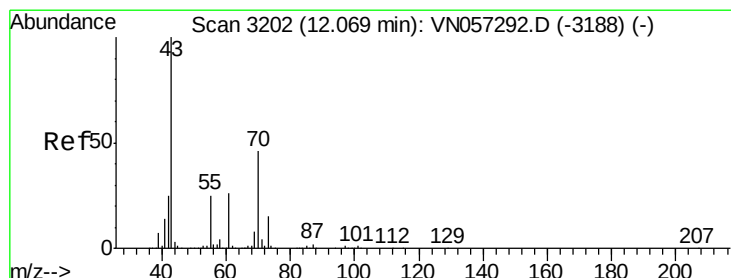
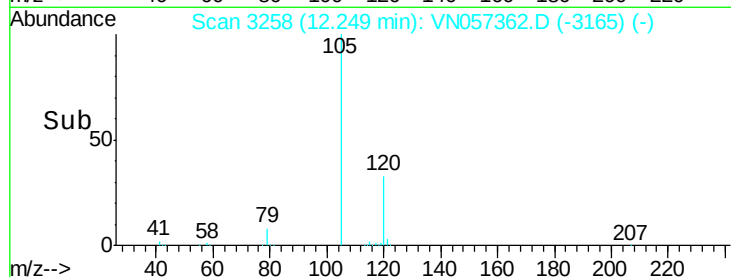
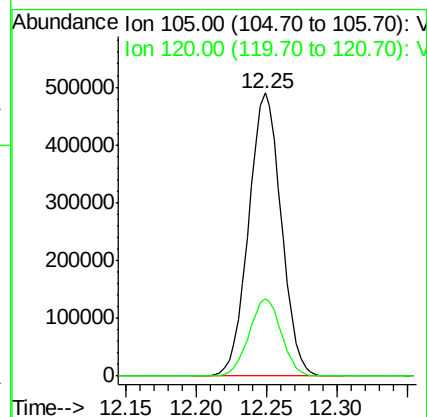
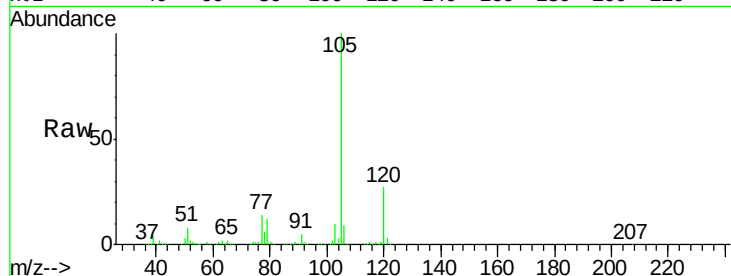
120 27.2 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.396 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion: 43 Resp: 231422

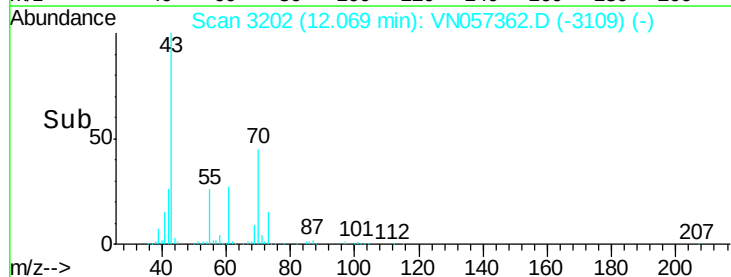
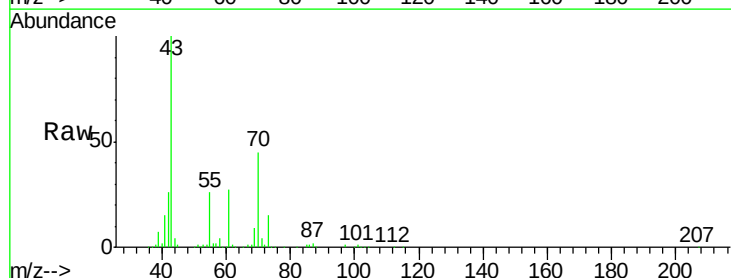
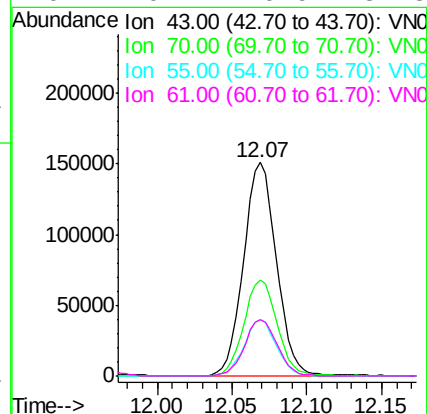
Ion Ratio Lower Upper

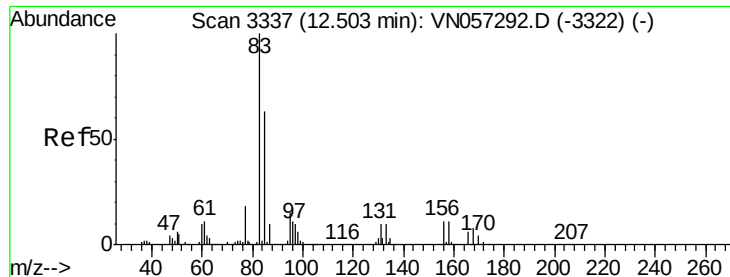
43 100

70 45.5 36.2 54.2

55 25.9 20.1 30.1

61 26.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.440 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

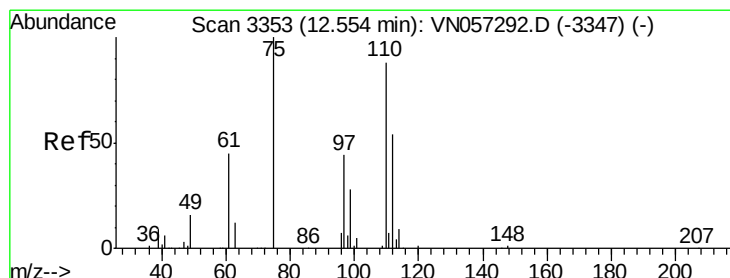
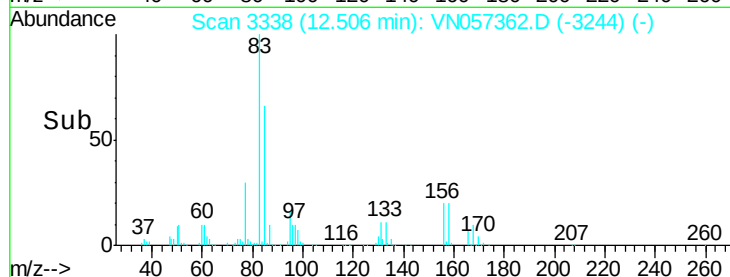
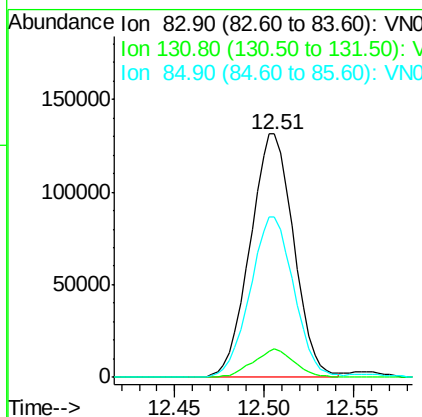
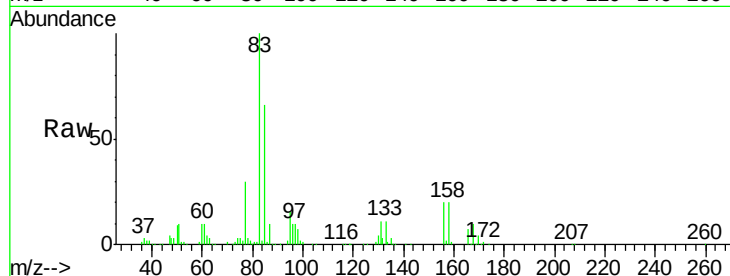
ClientSampleId :

VN0818WBSD01

Tot Ion:	83	Resp:	224384
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	66.0	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 25.376 ug/l m

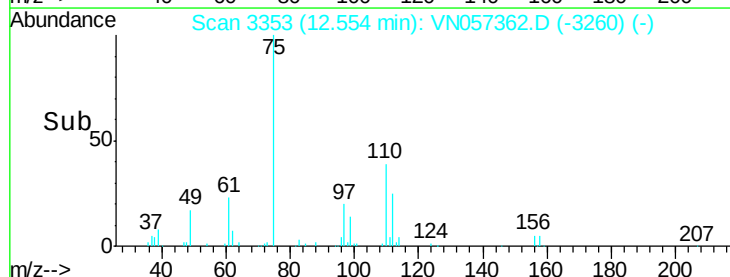
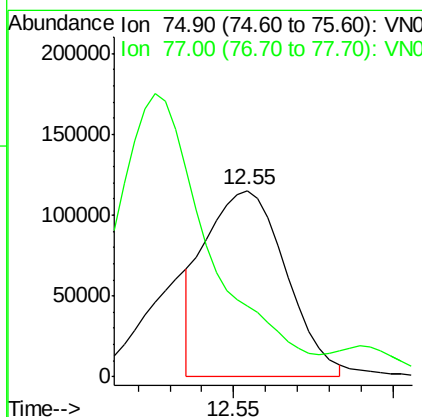
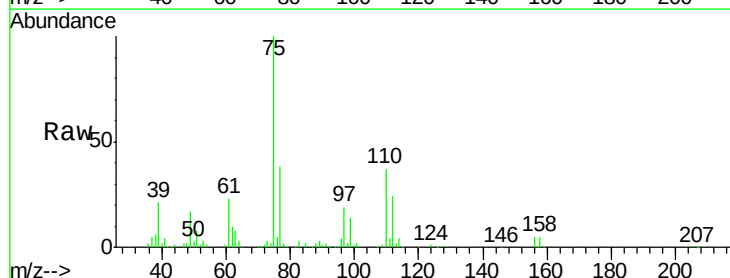
RT: 12.55 min Scan# 3353

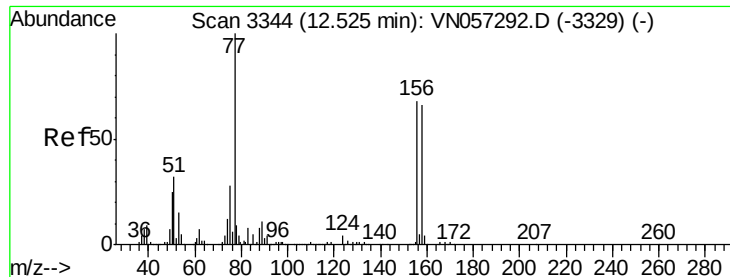
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion:	75	Resp:	202436
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.661 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

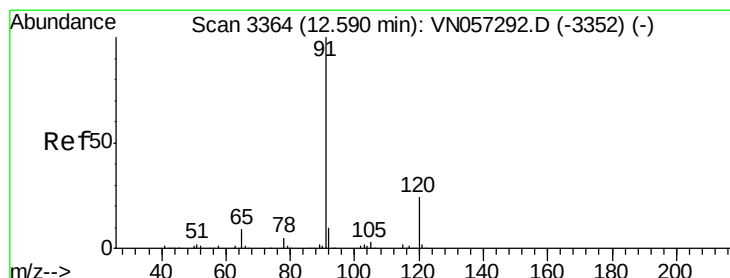
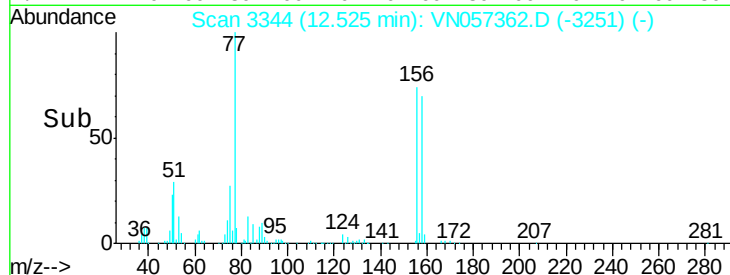
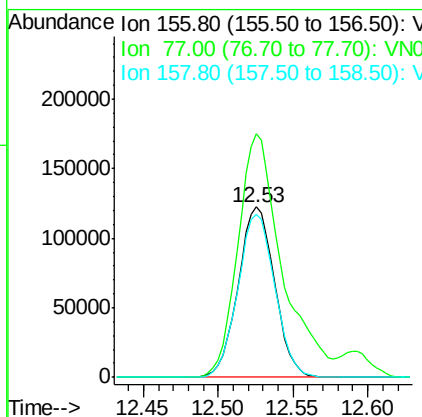
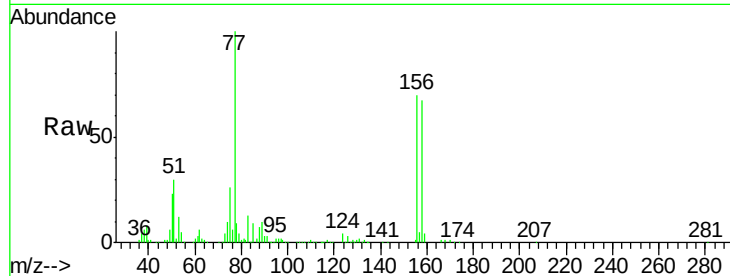
ClientSampleId :

VN0818WBSD01

Tot Ion:	156	Resp:	207837
Ion Ratio	Lower	Upper	
156	100		
77	173.0	89.8	269.6
158	97.3	49.3	147.8

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#78

n-propylbenzene

Concen: 20.239 ug/l

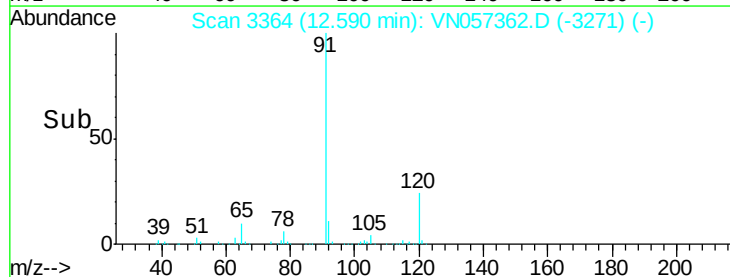
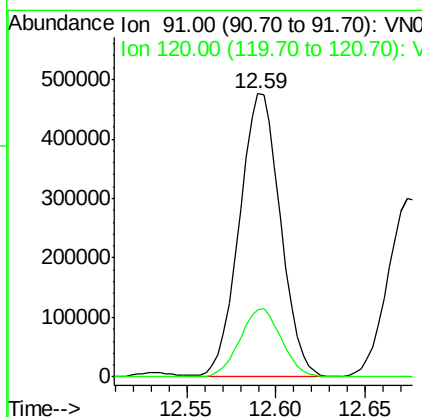
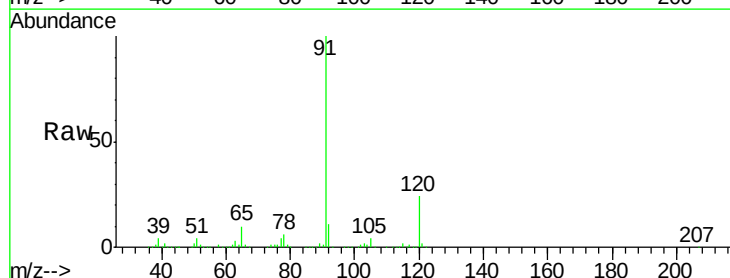
RT: 12.59 min Scan# 3364

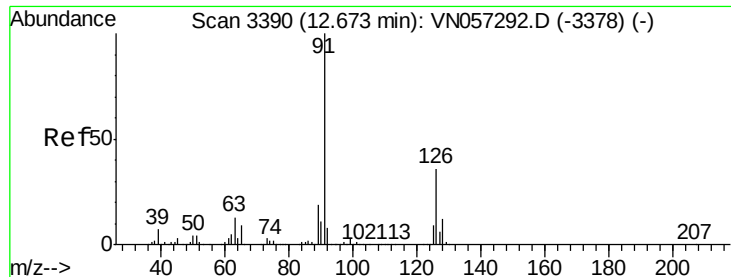
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion:	91	Resp:	762086
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 23.095 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tot Ion: 91 Resp: 501600

Ion Ratio Lower Upper

91 100

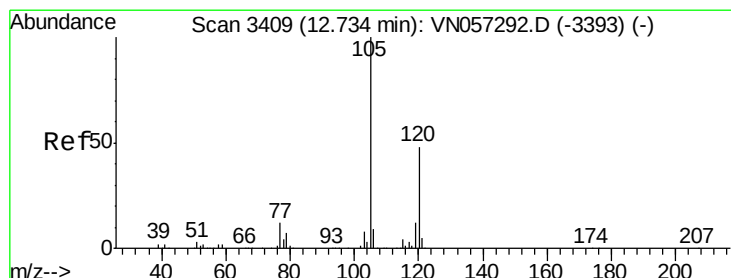
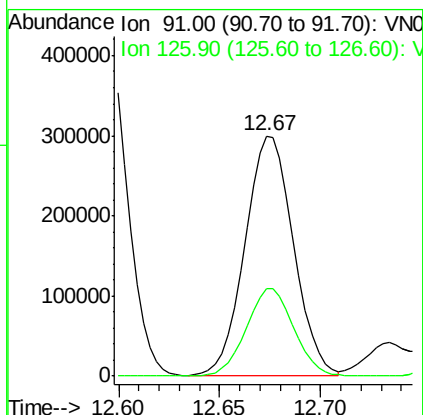
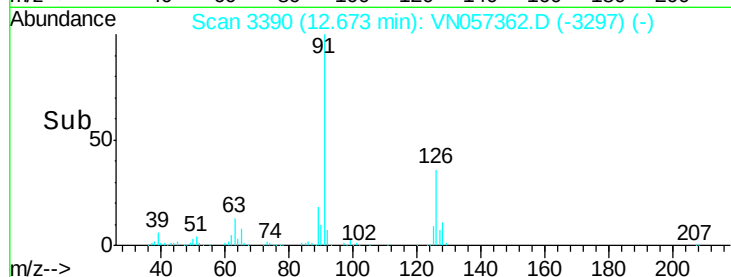
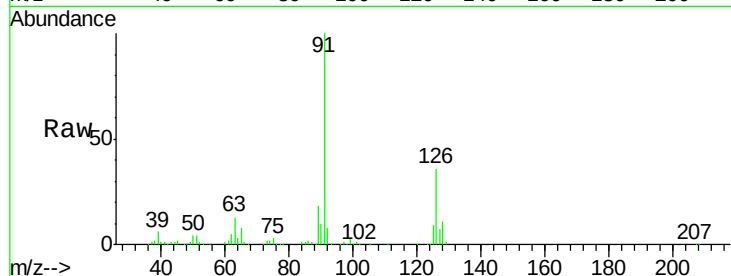
126 36.0 18.1 54.1

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#80

1,3,5-Trimethylbenzene

Concen: 23.124 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057362.D

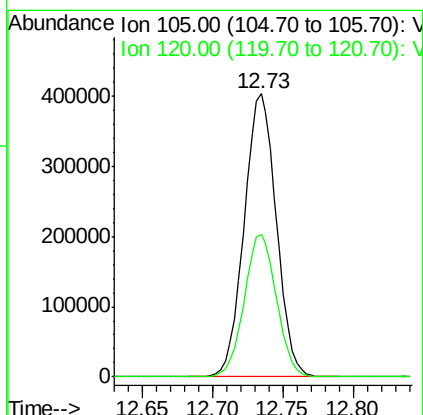
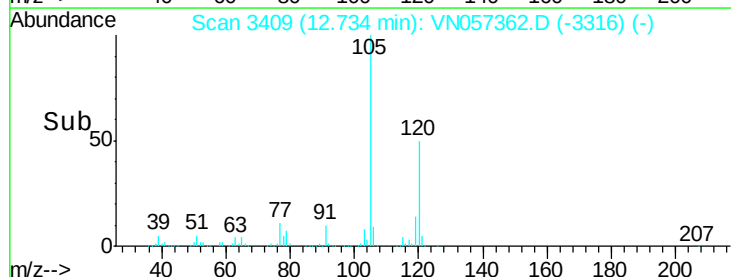
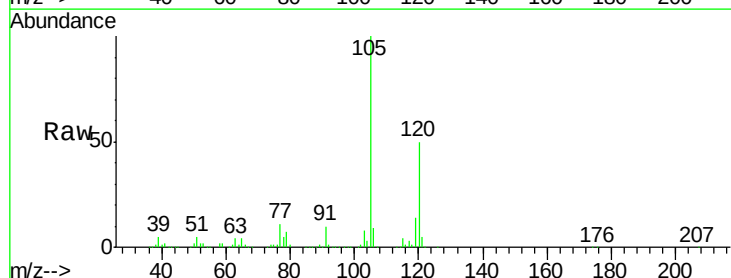
Acq: 16 Aug 2019 18:46

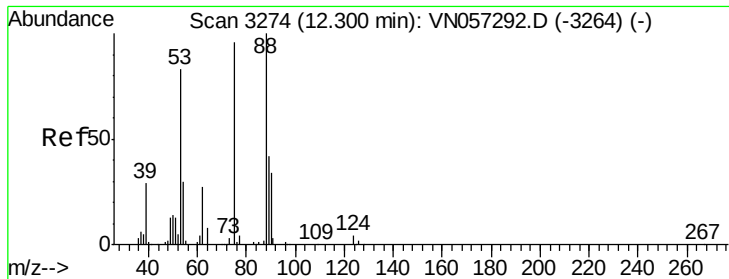
Tgt Ion: 105 Resp: 641178

Ion Ratio Lower Upper

105 100

120 50.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.499 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

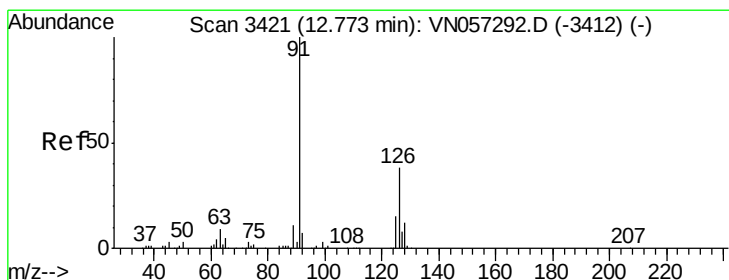
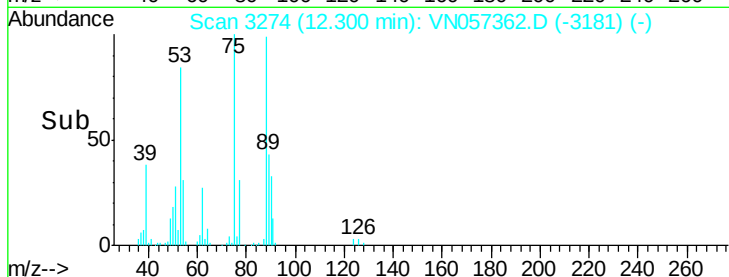
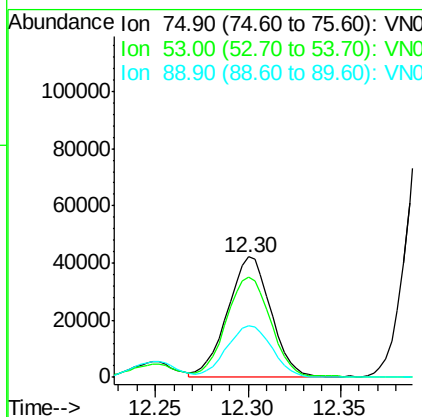
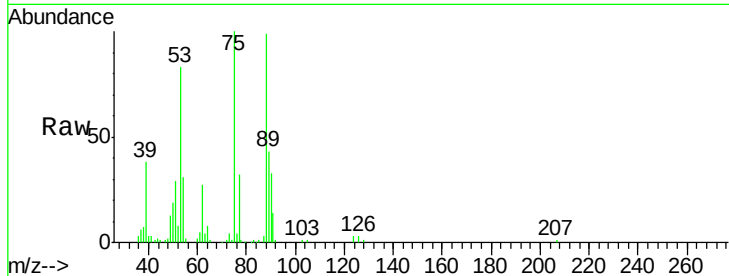
ClientSampleId :

VN0818WBSD01

Tot Ion:	75	Resp:	68941
Ion	Ratio	Lower	Upper
75	100		
53	82.6	67.9	101.9
89	44.5	36.2	54.4

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#82

4-Chlorotoluene

Concen: 19.644 ug/l

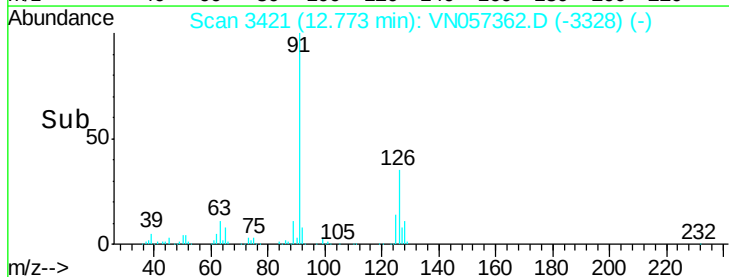
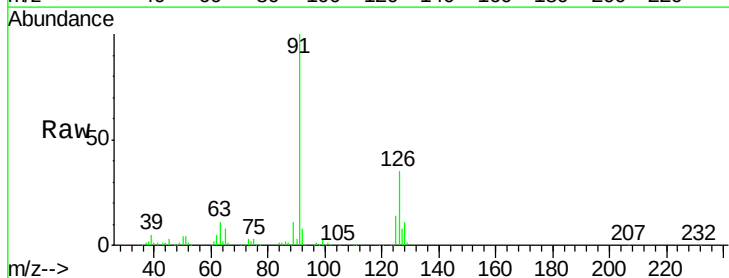
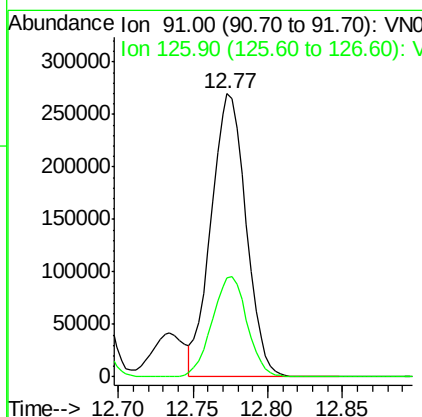
RT: 12.77 min Scan# 3421

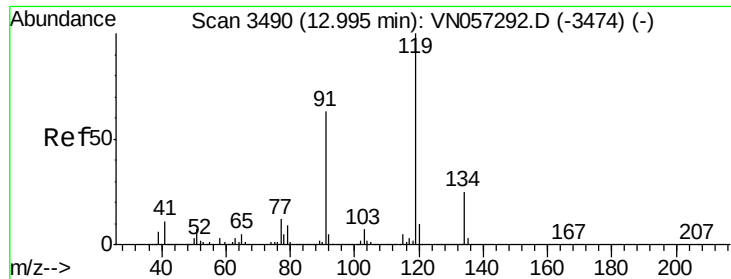
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion:	91	Resp:	438314
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	51.7





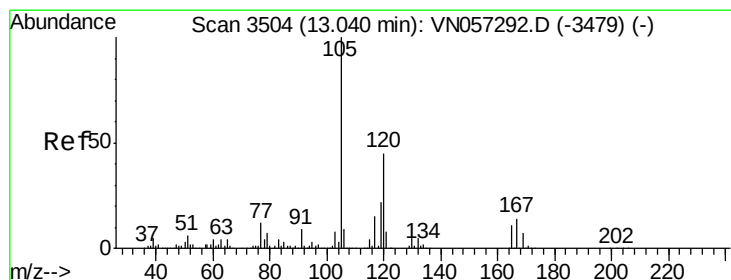
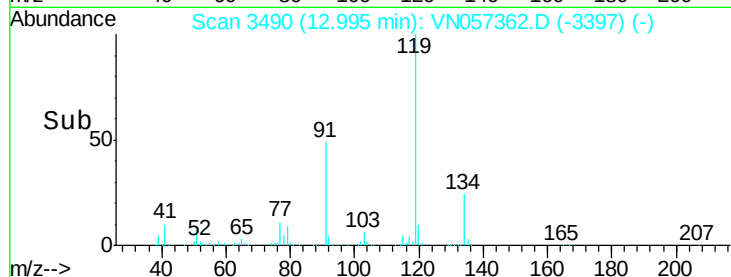
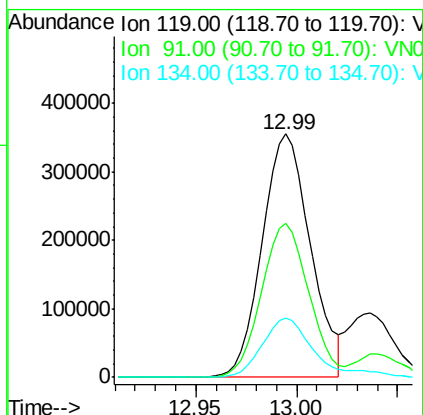
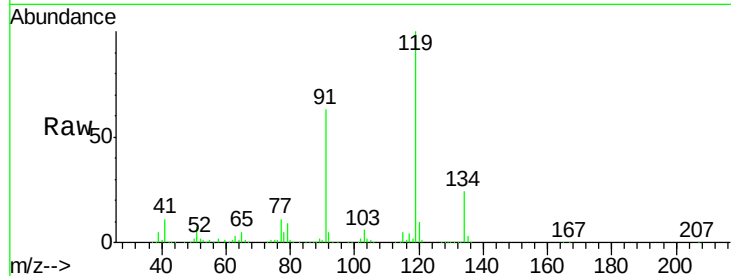
#83
 tert-Butylbenzene
 Concen: 24.005 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	591380		
91	62.1		31.3	93.8
134	26.2		13.1	39.1

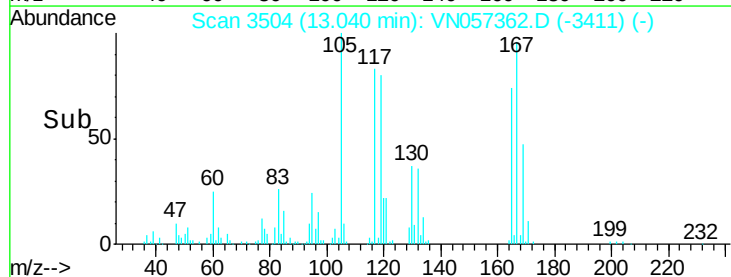
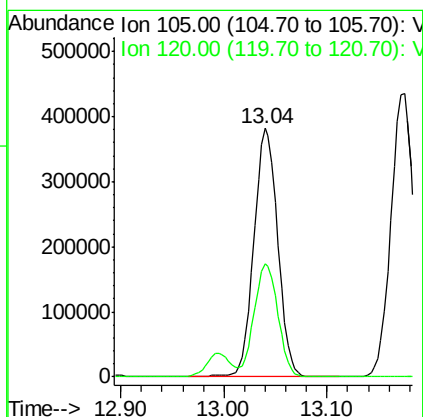
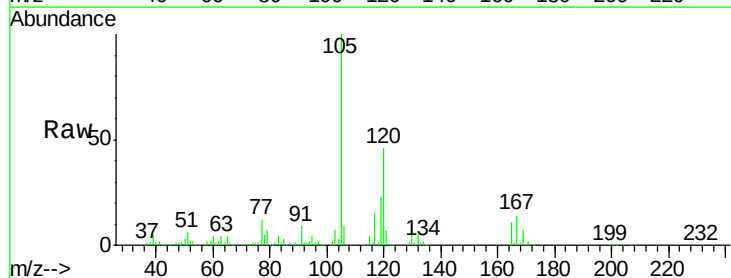
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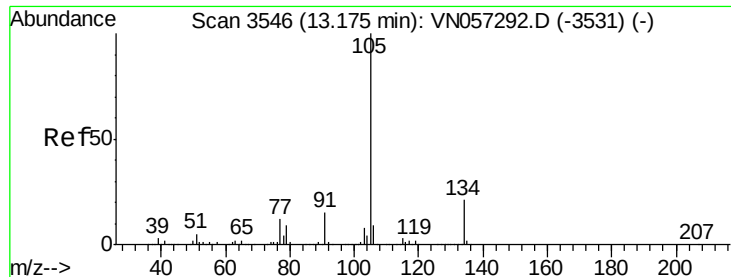
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.658 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	609963		
120	45.4		22.6	67.7





#85

sec-Butylbenzene

Concen: 22.295 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleID :

VN0818WBSD01

Tot Ion:105 Resp: 684305

Ion Ratio Lower Upper

105 100

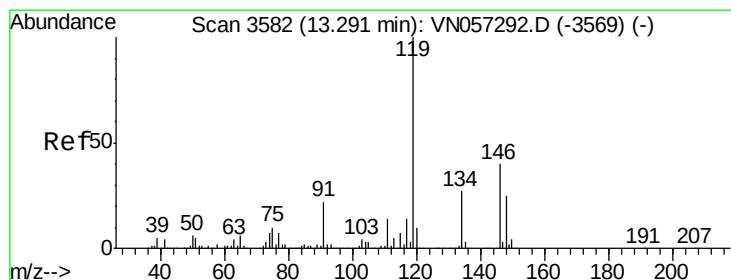
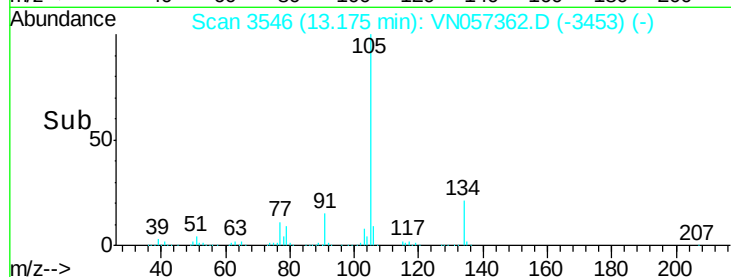
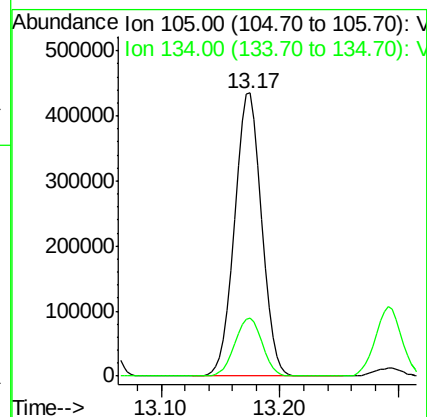
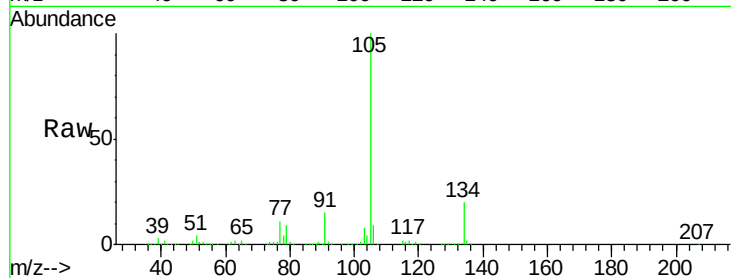
134 20.9 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.597 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

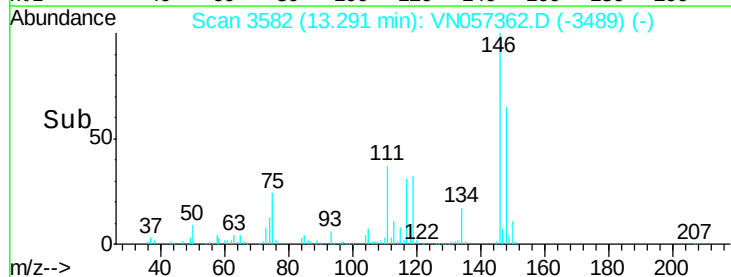
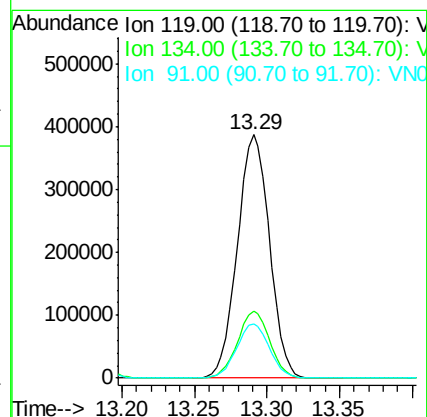
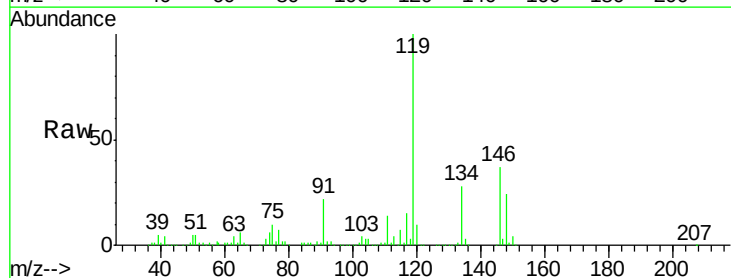
Tgt Ion:119 Resp: 593898

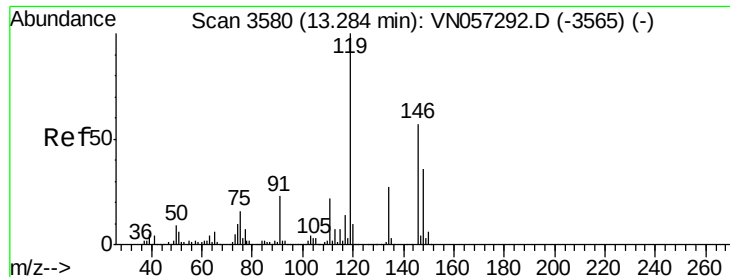
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.092 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

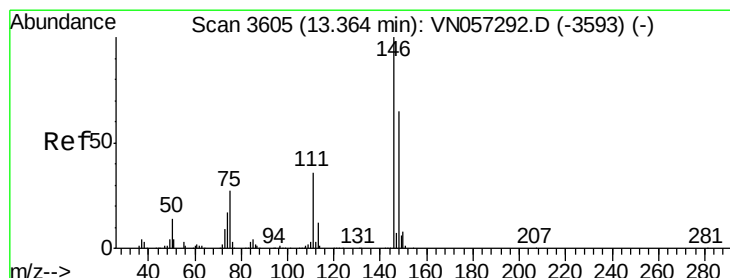
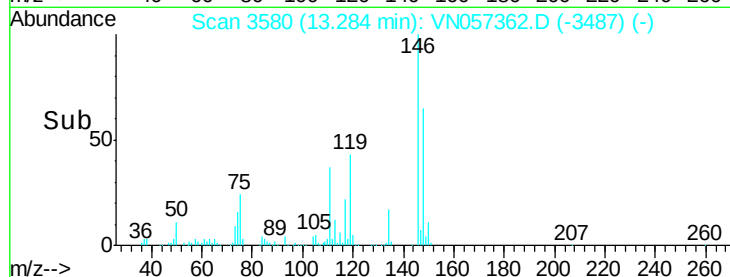
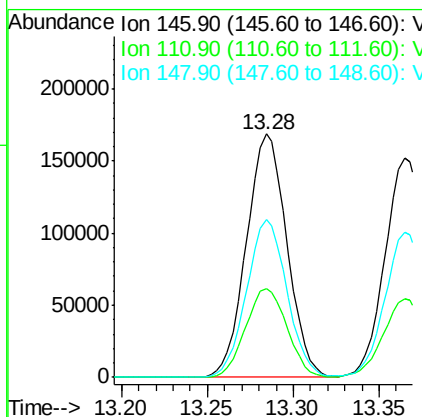
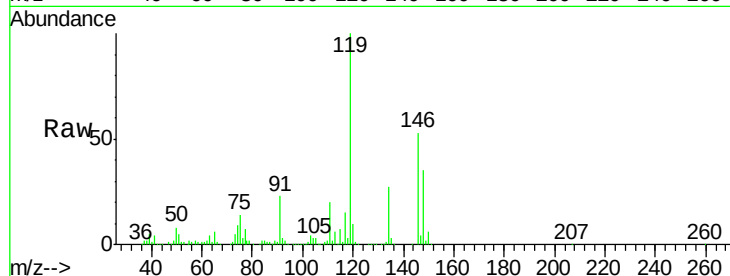
ClientSampleId :

VN0818WBSD01

Tot Ion:	146	Resp:	275262
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.7	56.1
148	64.8	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 19.406 ug/l

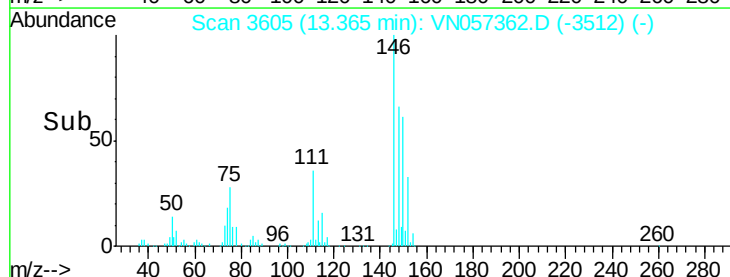
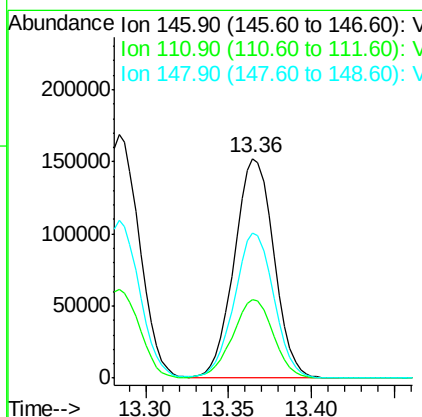
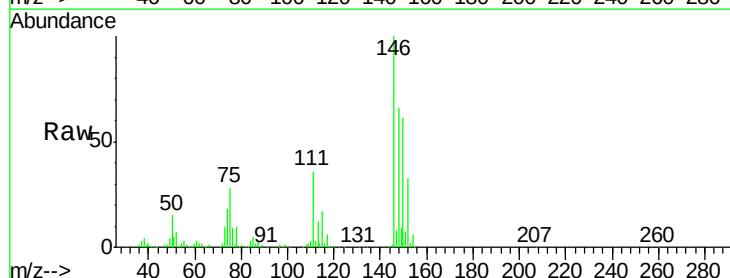
RT: 13.36 min Scan# 3605

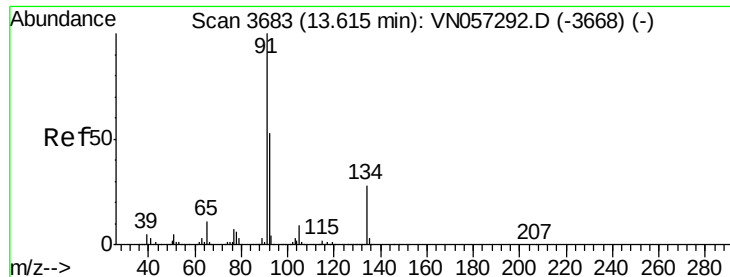
Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion:	146	Resp:	252375
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.4	55.4
148	66.2	32.5	97.4





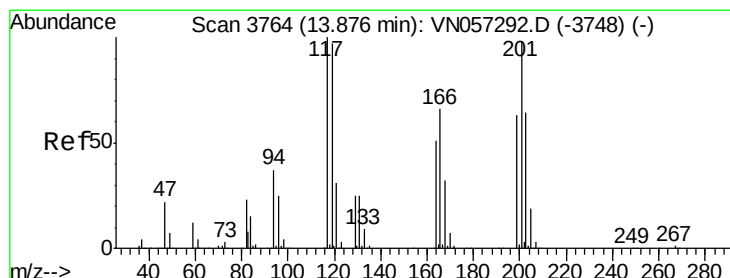
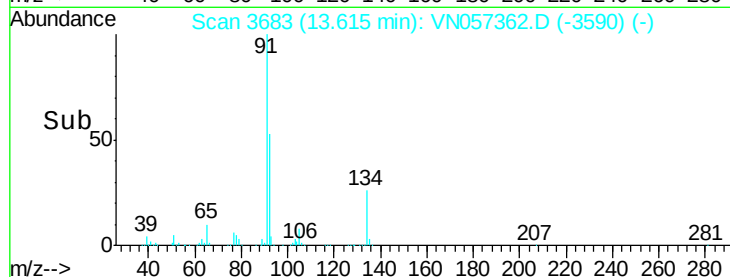
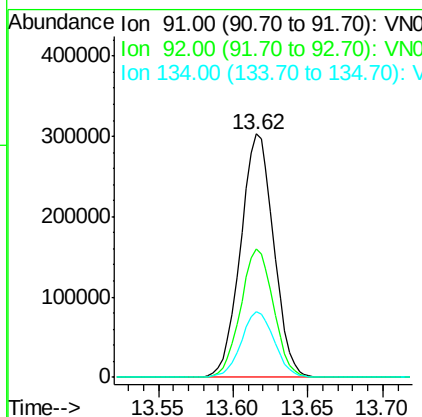
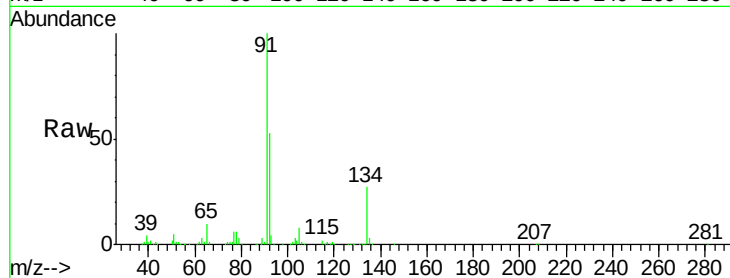
#89
n-Butylbenzene
Concen: 22.737 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	27.1	13.9	41.7

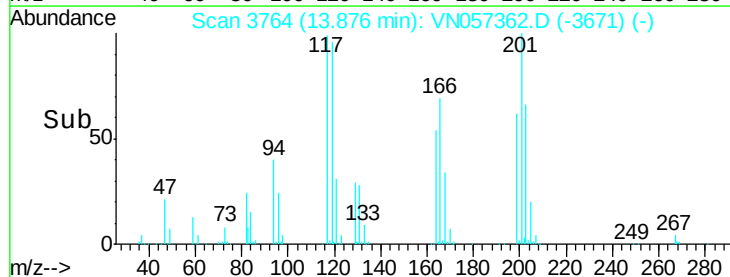
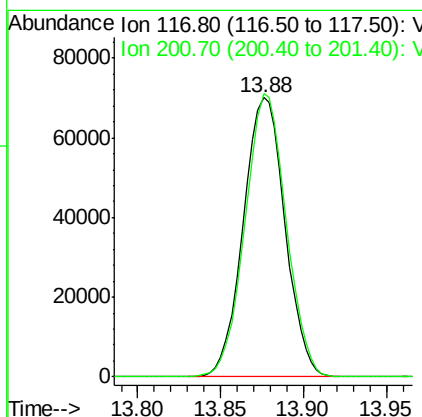
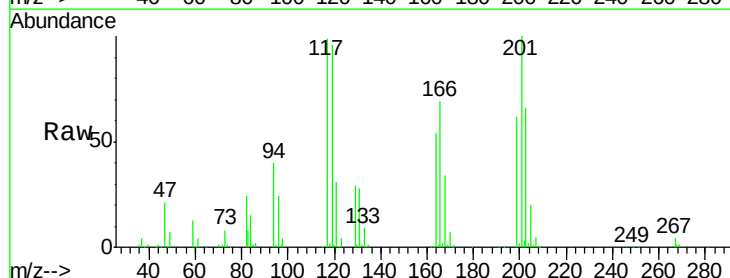
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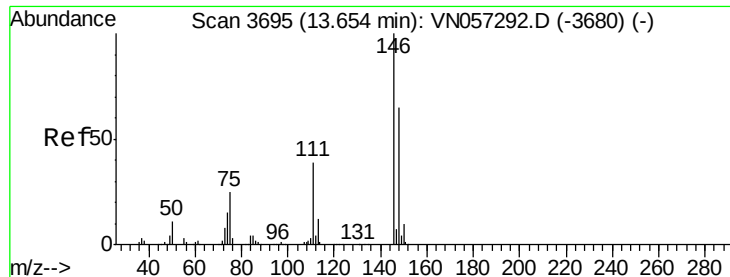
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#90
Hexachloroethane
Concen: 23.751 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.9	48.4	145.0





#91

1,2-Dichlorobenzene

Concen: 20.599 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

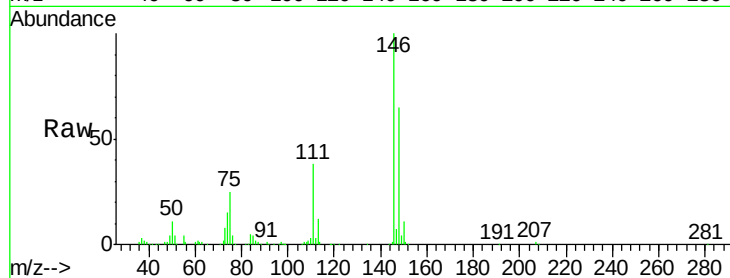
ClientSampleId :

VN0818WBSD01

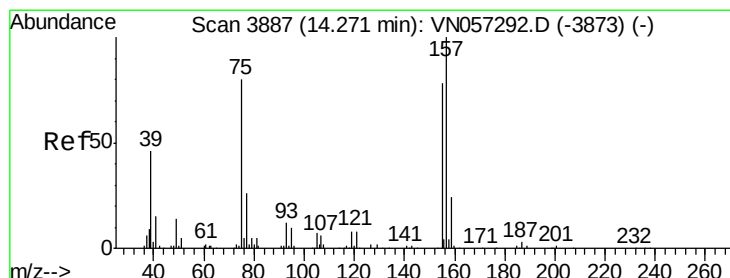
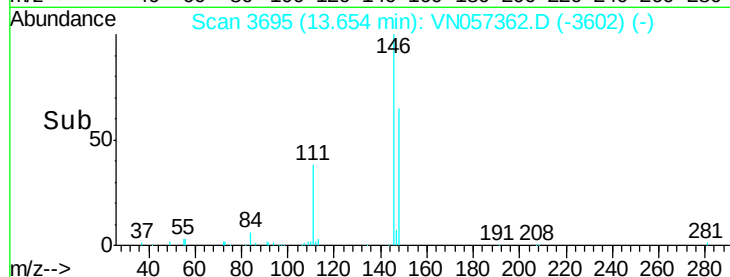
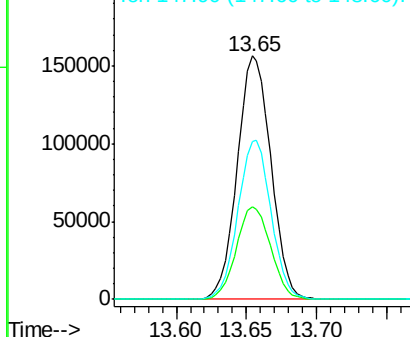
Tot Ion:	146	Resp:	263076
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.7	59.1
148	64.0	32.0	96.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.287 ug/l

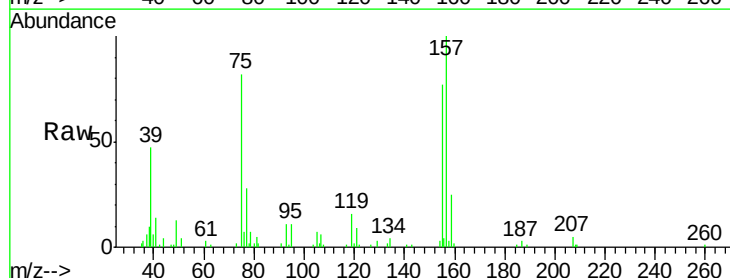
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

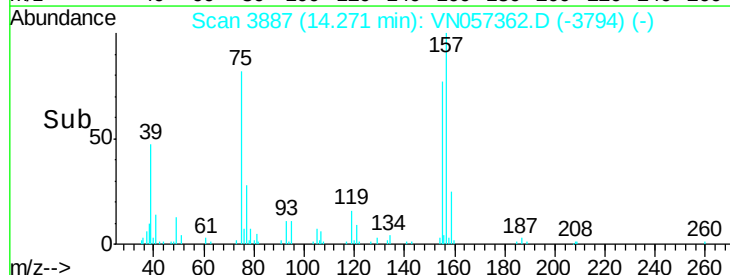
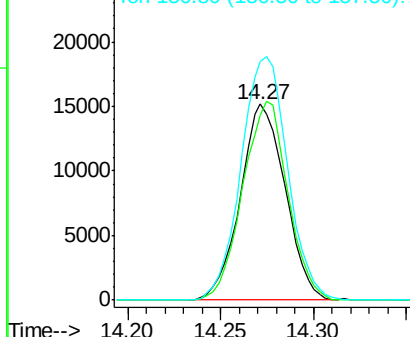
Lab File: VN057362.D

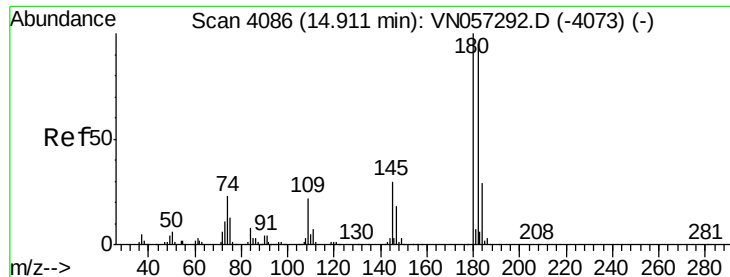
Acq: 16 Aug 2019 18:46

Tgt Ion:	75	Resp:	25499
Ion Ratio	Lower	Upper	
75	100		
155	101.3	49.6	148.8
157	128.6	63.7	191.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





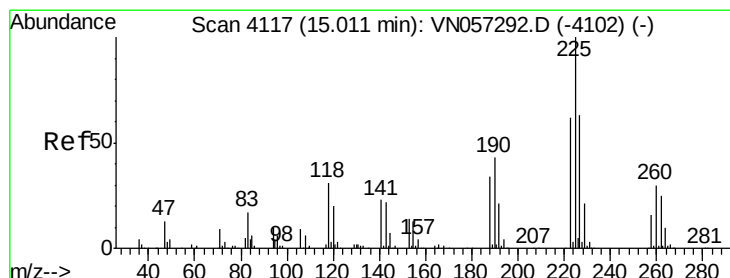
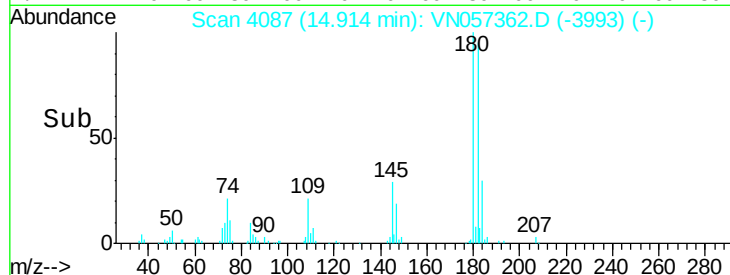
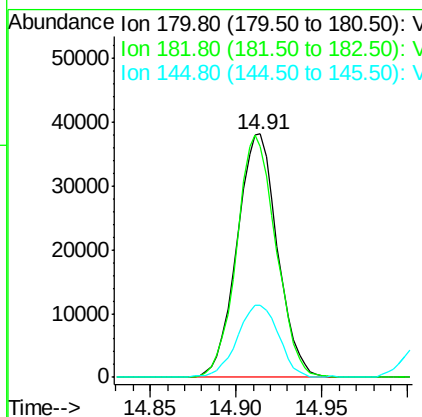
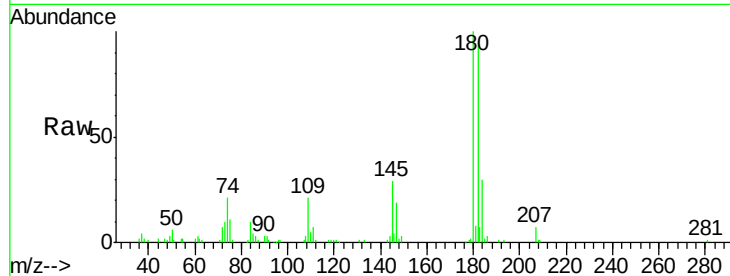
#93
 1,2,4-Trichlorobenzene
 Concen: 16.273 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	30.3	14.5	43.6

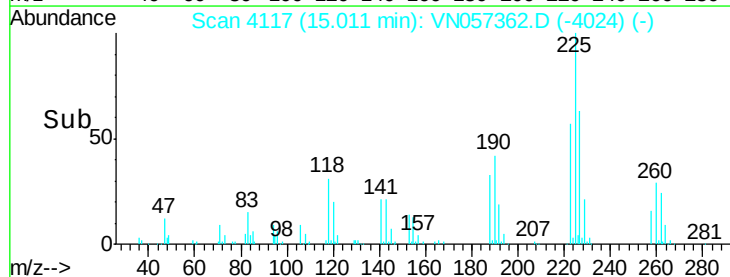
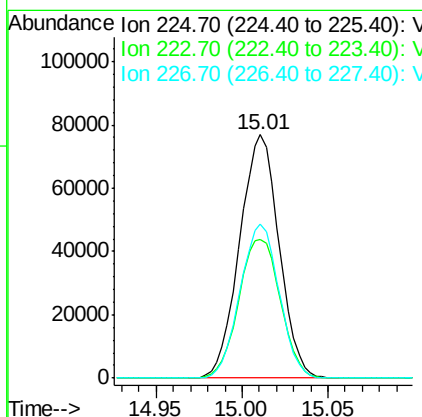
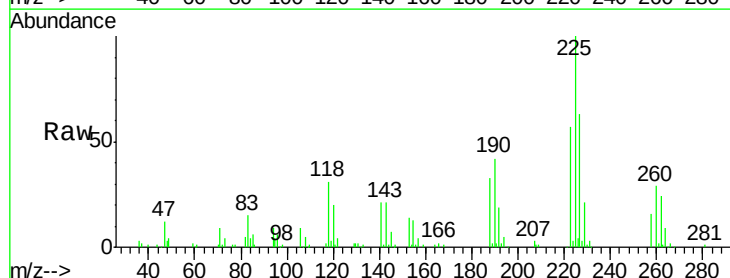
Manual Integrations
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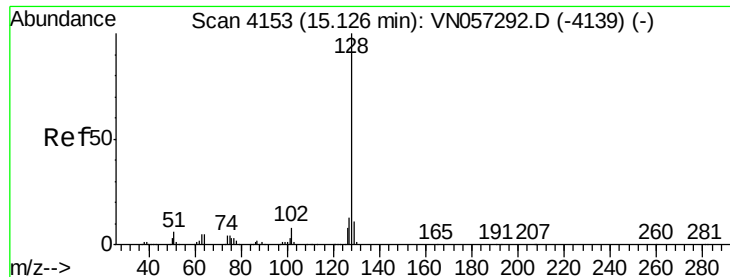
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#94
 Hexachlorobutadiene
 Concen: 22.435 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	30.7	92.1
227	62.6	30.9	92.7





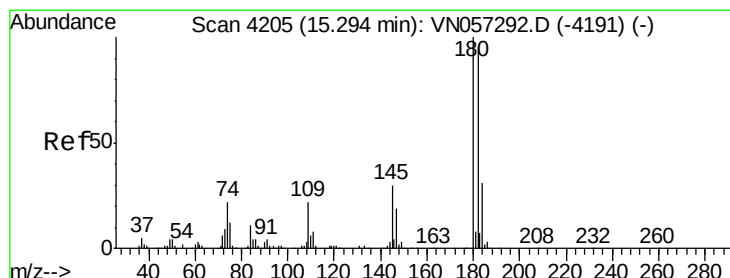
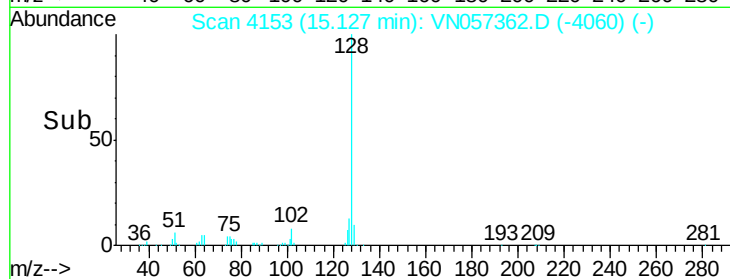
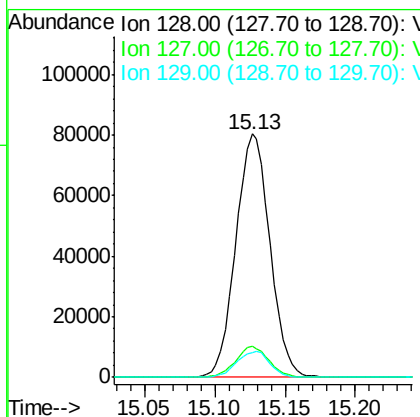
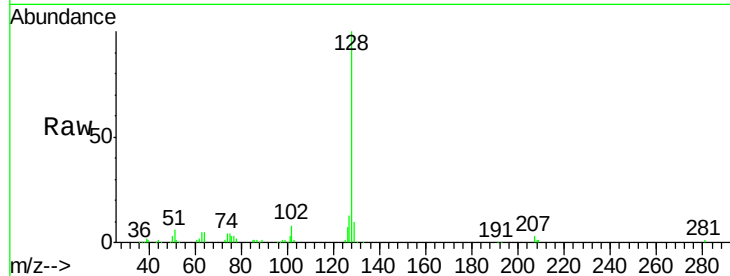
#95
Naphthalene
Concen: 21.388 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	136050		
127	12.5		10.5	15.7
129	10.3		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.144 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66055		
182	96.6		47.9	143.6
145	29.6		15.1	45.3

