

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058131.D
 Acq On : 16 Sep 2019 19:47
 Operator : JC/SP
 Sample : K4871-03MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:38 PM

Quant Time: Sep 17 08:44:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	329786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	532899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	506403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	307684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	368573	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
35) Dibromofluoromethane	7.58	113	264747	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.08	98	1015920	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.40	95	376383	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	238333	52.257	ug/l	99
3) Chloromethane	2.04	50	201239	43.292	ug/l	100
4) Vinyl Chloride	2.17	62	213685	43.434	ug/l	100
5) Bromomethane	2.53	94	115230	42.391	ug/l	97
6) Chloroethane	2.68	64	132545	42.280	ug/l	99
7) Trichlorofluoromethane	3.00	101	290593	46.936	ug/l	99
8) Diethyl Ether	3.39	74	136281	52.776	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	208546	53.396	ug/l	98
10) Methyl Iodide	3.93	142	218866	50.358	ug/l	100
11) Tert butyl alcohol	4.76	59	221277	273.709	ug/l	100
12) 1,1-Dichloroethene	3.72	96	173054	49.280	ug/l	97
13) Acrolein	3.58	56	53108	77.431	ug/l	99
14) Allyl chloride	4.30	41	351317	51.121	ug/l	99
15) Acrylonitrile	4.96	53	647992	291.616	ug/l	99
16) Acetone	3.79	43	583014	266.255	ug/l	98
17) Carbon Disulfide	4.03	76	247925	45.377	ug/l	97
18) Methyl Acetate	4.30	43	357562	61.244	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	839783	57.464	ug/l	98
20) Methylene Chloride	4.53	84	237076	57.046	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	193346	50.933	ug/l	98
22) Diisopropyl ether	5.93	45	915608	56.813	ug/l	98
23) Vinyl Acetate	5.87	43	3348033	293.133	ug/l	100
24) 1,1-Dichloroethane	5.83	63	480236	54.523	ug/l	99
25) 2-Butanone	6.81	43	899141	283.709	ug/l	99
26) 2,2-Dichloropropane	6.81	77	309401	44.388	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	272462	53.558	ug/l	100
28) Bromochloromethane	7.18	49	243120	55.251	ug/l	98
29) Tetrahydrofuran	7.19	42	571518	292.651	ug/l	100
30) Chloroform	7.36	83	510114	55.390	ug/l	94
31) Cyclohexane	7.64	56	325130	54.363	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	403870	55.294	ug/l	99
36) 1,1-Dichloropropene	7.78	75	315742	51.089	ug/l	100
37) Ethyl Acetate	6.91	43	351038	54.976	ug/l	99
38) Carbon Tetrachloride	7.76	117	324604	57.528	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	317575	48.882	ug/l	98
40) Benzene	8.03	78	996182	53.539	ug/l	99
41) Methacrylonitrile	7.15	41	180834	62.389	ug/l	96
42) 1,2-Dichloroethane	8.11	62	422177	56.734	ug/l	100
43) Isopropyl Acetate	8.15	43	666109	62.033	ug/l	98
44) Trichloroethene	8.82	130	241798	52.984	ug/l	99
45) 1,2-Dichloropropane	9.11	63	305191	56.369	ug/l	99
46) Dibromomethane	9.20	93	187363	57.268	ug/l	99
47) Bromodichloromethane	9.40	83	389334	59.593	ug/l	96
48) Methyl methacrylate	9.19	41	307603	56.472	ug/l	99
49) 1,4-Dioxane	9.19	88	84266	914.801	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1953319	307.395	ug/l	99
52) Toluene	10.15	92	629510	53.717	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	400185	58.167	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	432775	56.975	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	285723	57.558	ug/l	99
56) Ethyl methacrylate	10.43	69	435829	58.302	ug/l	100
57) 1,3-Dichloropropane	10.71	76	488423	57.093	ug/l	100
59) 2-Hexanone	10.75	43	1433564	300.986	ug/l	99
60) Dibromochloromethane	10.90	129	282861	61.363	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269937	57.519	ug/l	100
64) Tetrachloroethene	10.63	164	189345	50.640	ug/l	99
65) Chlorobenzene	11.43	112	718148	54.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	274119	59.608	ug/l	98
67) Ethyl Benzene	11.51	91	1292052	55.629	ug/l	100
68) m/p-Xylenes	11.62	106	951598	111.850	ug/l	100
69) o-Xylene	11.95	106	471524	55.749	ug/l	97
70) Styrene	11.97	104	828677	56.930	ug/l	99
71) Bromoform	12.13	173	178087	62.114	ug/l #	95
73) Isopropylbenzene	12.25	105	1320323	55.301	ug/l	100
74) N-amyl acetate	12.07	43	609147	58.625	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	445615	55.433	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	402295m	57.798	ug/l	
77) Bromobenzene	12.53	156	316333	53.142	ug/l	98
78) n-propylbenzene	12.60	91	1551049	56.574	ug/l	100
79) 2-Chlorotoluene	12.68	91	927505	53.527	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1137406	56.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105177	53.175	ug/l	96
82) 4-Chlorotoluene	12.78	91	977439	54.929	ug/l	100
83) tert-Butylbenzene	13.00	119	988476	55.123	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1141877	55.693	ug/l	98
85) sec-Butylbenzene	13.18	105	1329725	55.947	ug/l	99
86) p-Isopropyltoluene	13.29	119	1188291	56.743	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	598641	54.790	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	603545	54.420	ug/l	99
89) n-Butylbenzene	13.62	91	1092260	55.230	ug/l	99
90) Hexachloroethane	13.88	117	183367	58.876	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	610991	55.974	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	87021	65.549	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	395416	55.422	ug/l	99

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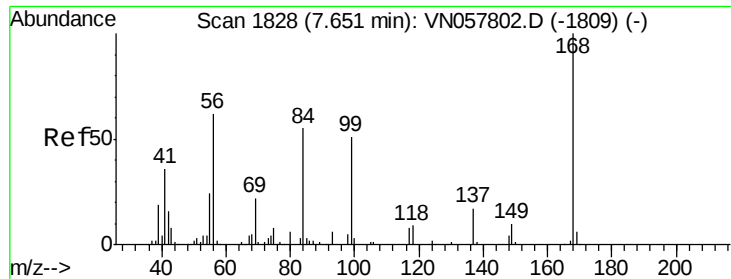
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	159707	52.806	ug/l	98
95) Naphthalene	15.13	128	1181236	66.086	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	374873	59.983	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion:168 Resp: 329786

Ion Ratio Lower Upper

168 100

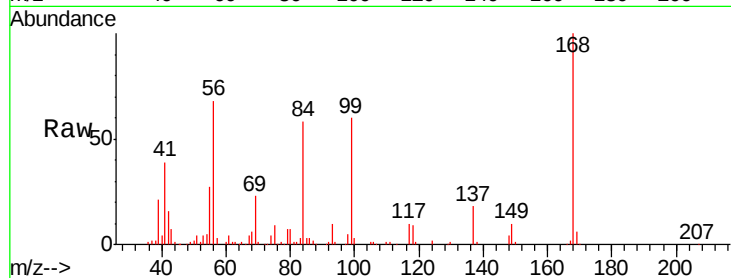
99 59.4 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

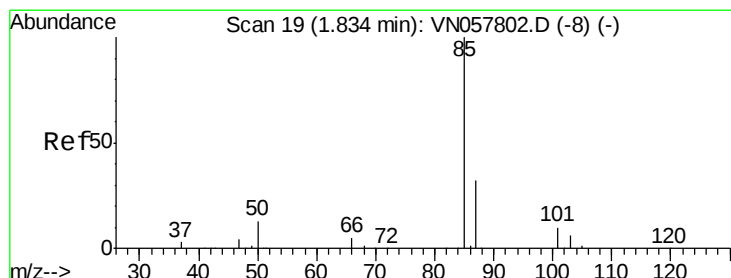
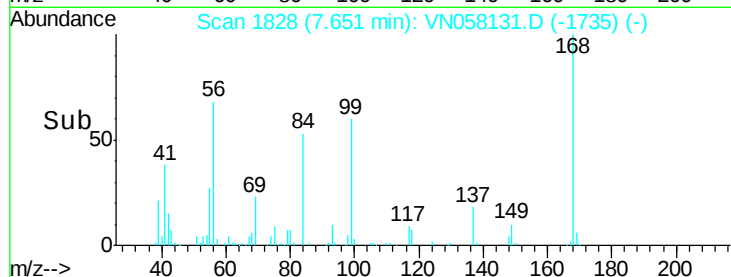
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 52.257 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058131.D

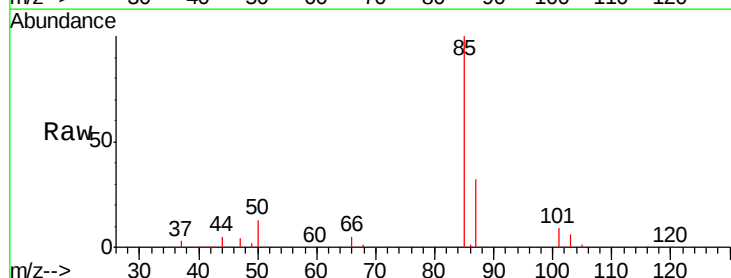
Acq: 16 Sep 2019 19:47

Tgt Ion: 85 Resp: 238333

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

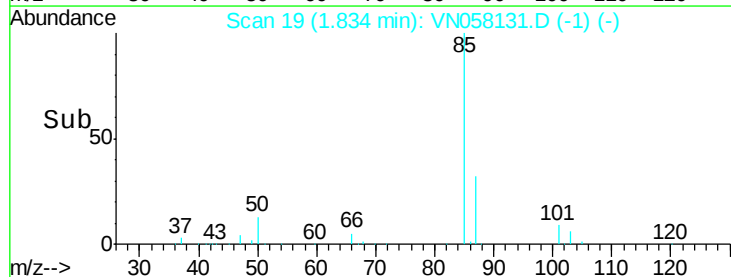
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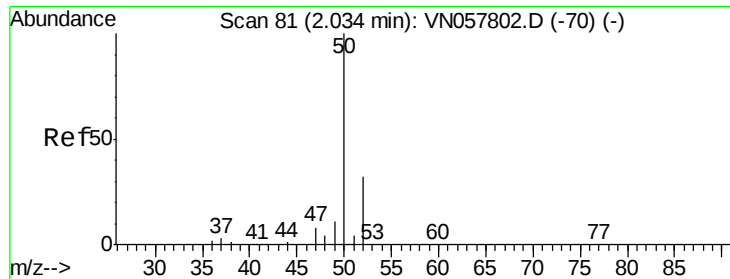
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.292 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion: 50 Resp: 201239

Ion Ratio Lower Upper

50 100

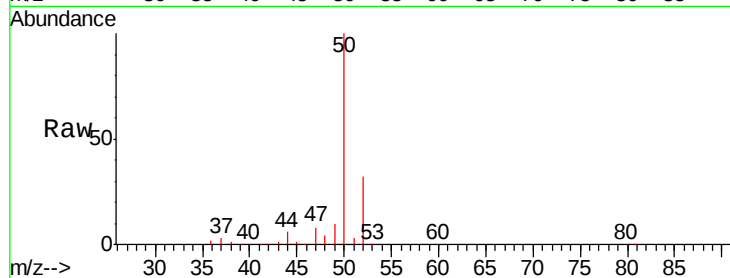
52 32.0 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

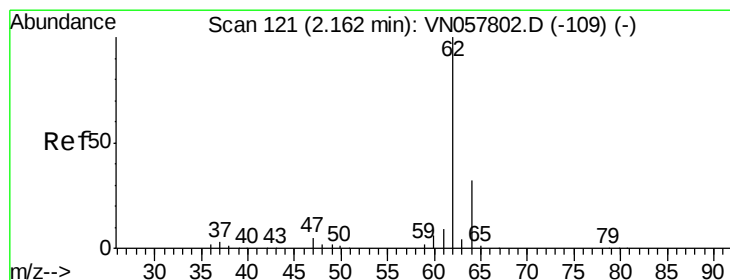
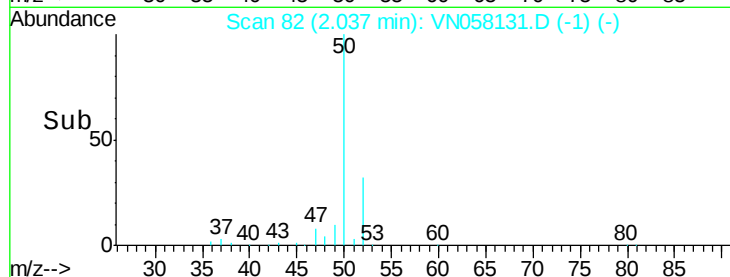
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 43.434 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058131.D

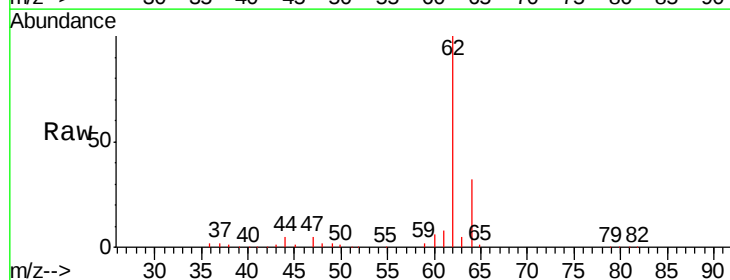
Acq: 16 Sep 2019 19:47

Tgt Ion: 62 Resp: 213685

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

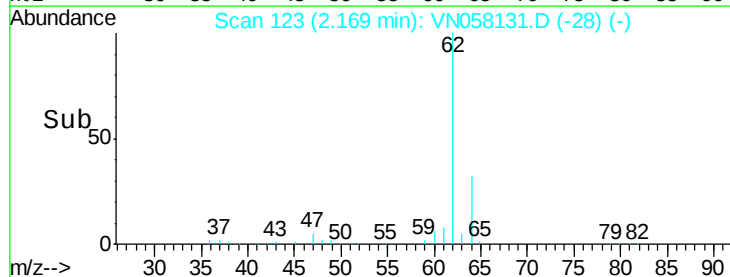
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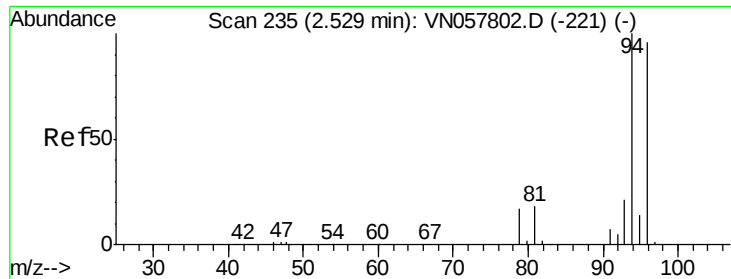
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 42.391 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion: 94 Resp: 115230

Ion Ratio Lower Upper

94 100

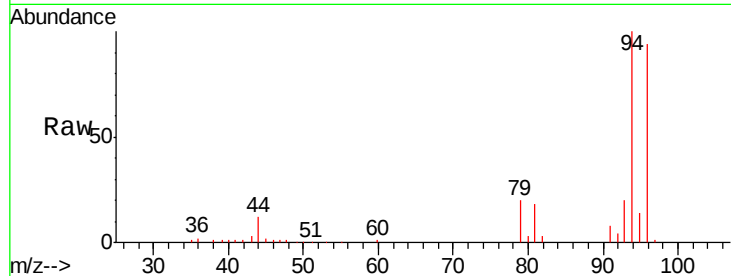
96 93.7 77.0 115.4

Manual Integrations

APPROVED

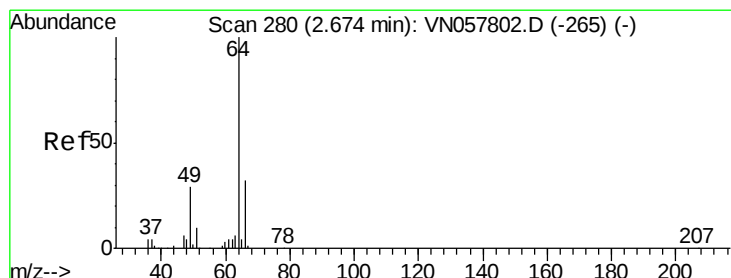
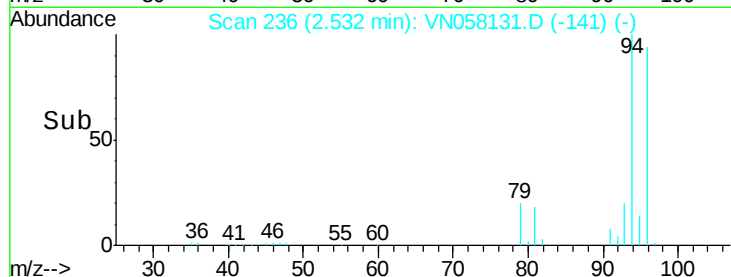
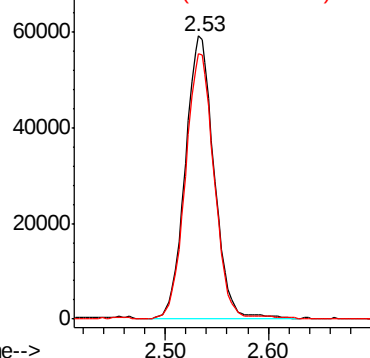
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.280 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058131.D

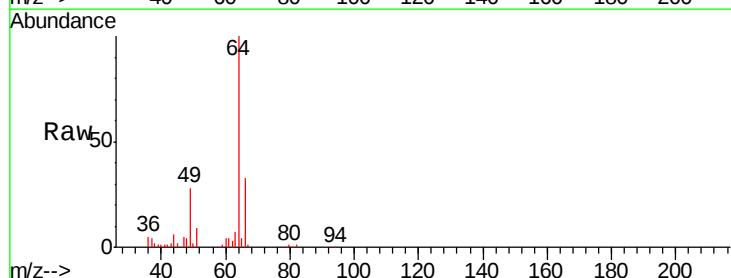
Acq: 16 Sep 2019 19:47

Tgt Ion: 64 Resp: 132545

Ion Ratio Lower Upper

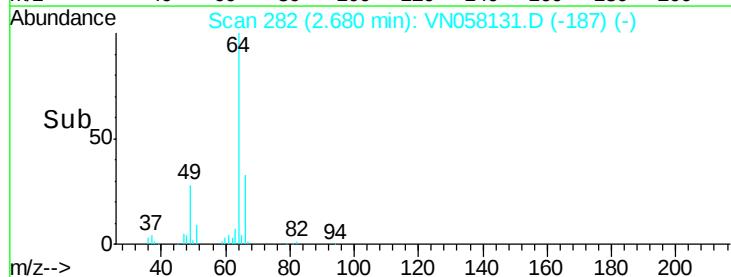
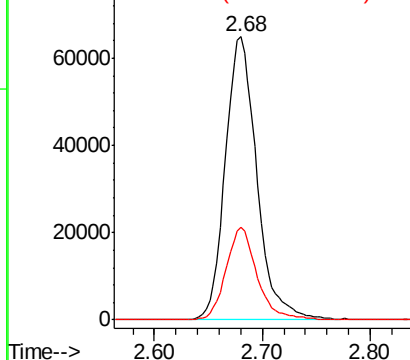
64 100

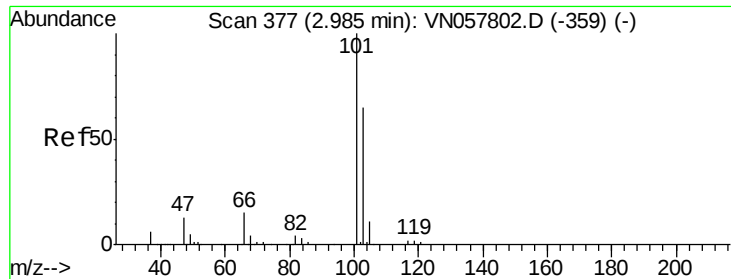
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

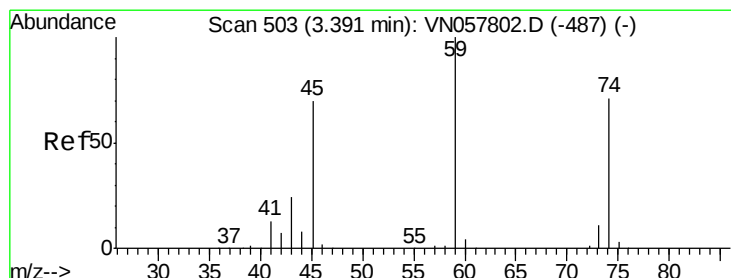
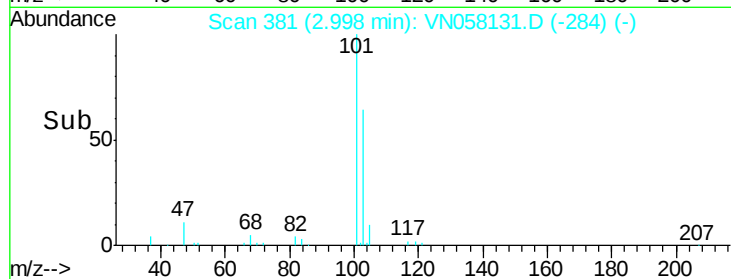
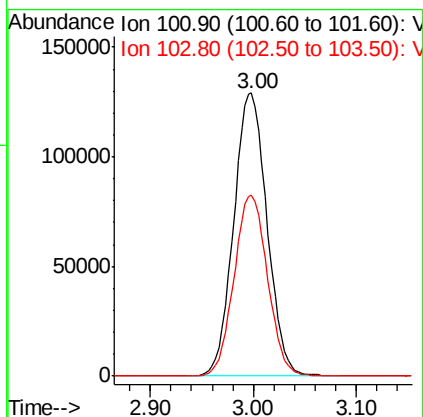
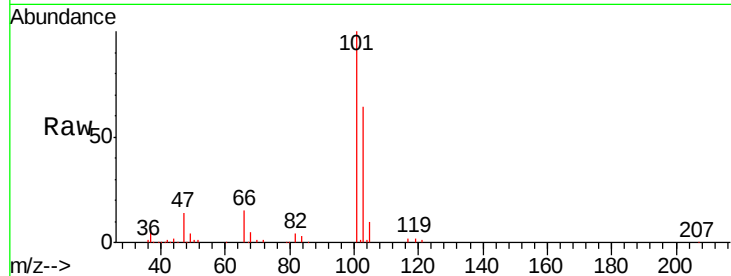
Trichlorofluoromethane
Concen: 46.936 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	290593		
103	63.8	51.9	77.9	

Manual Integrations
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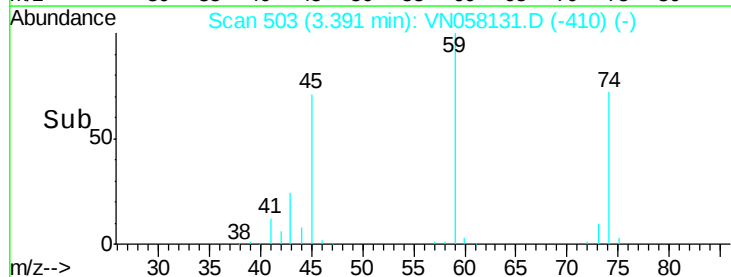
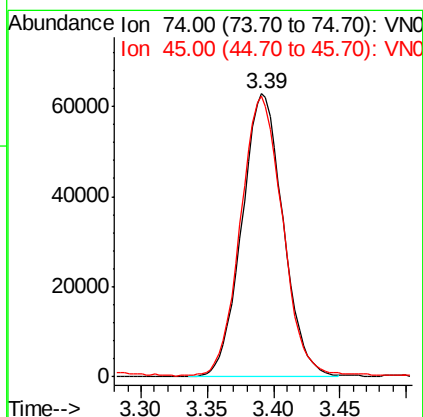
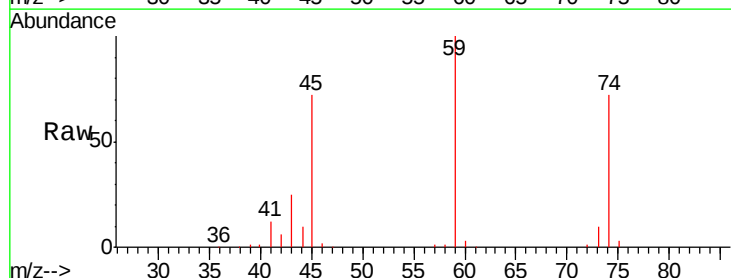
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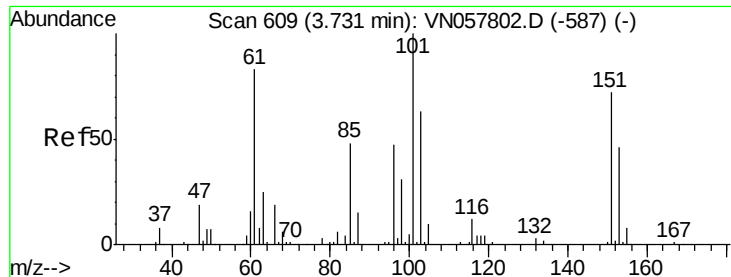


#8

Diethyl Ether
Concen: 52.776 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	136281		
45	100.5	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.396 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

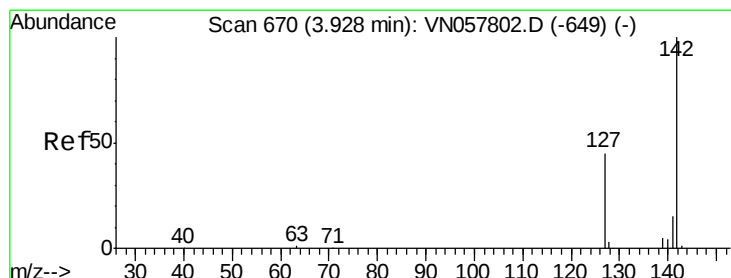
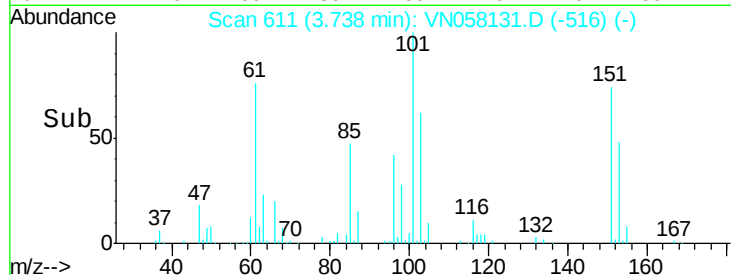
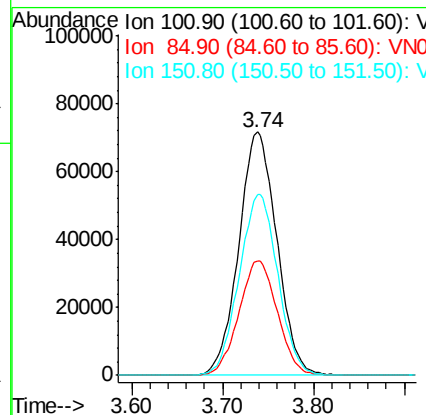
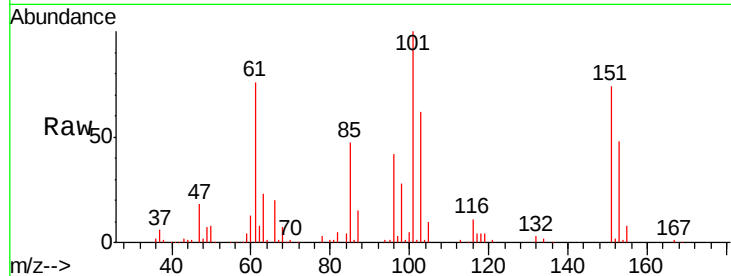
ClientSampleId :

VE-4-11MSD

Tgt Ion:	101	Resp:	208546
Ion Ratio	Lower	Upper	
101	100		
85	47.7	38.1	57.1
151	75.6	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 50.358 ug/l

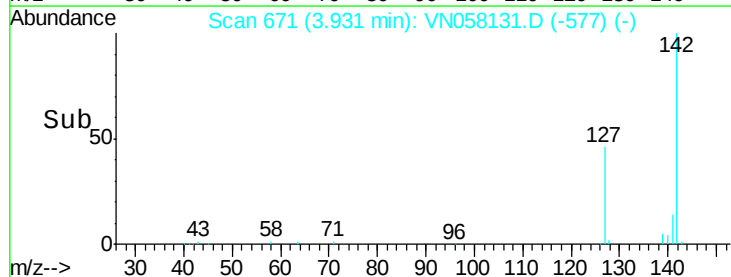
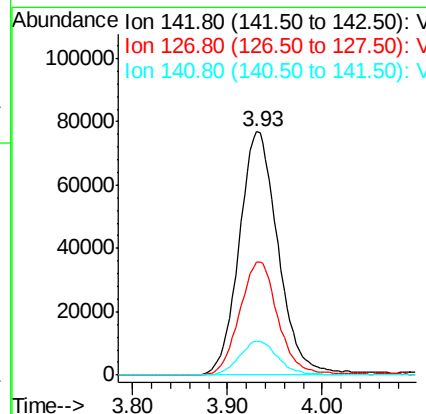
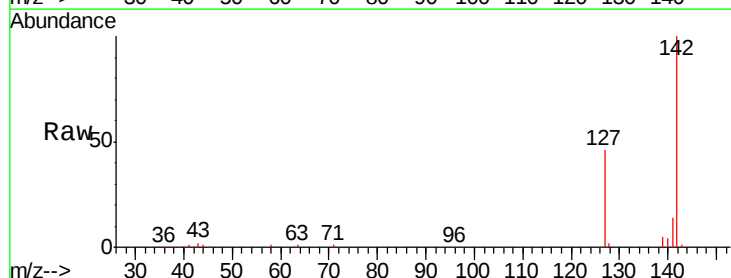
RT: 3.93 min Scan# 671

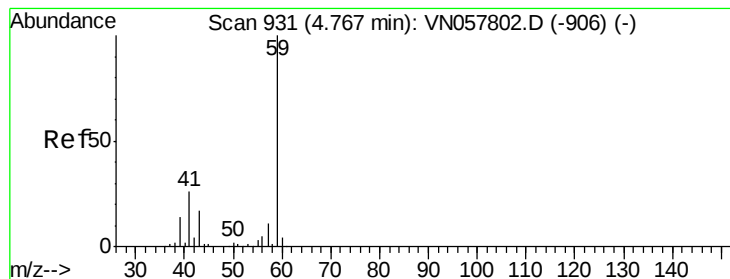
Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	142	Resp:	218866
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.7	55.1
141	13.9	11.4	17.0





#11

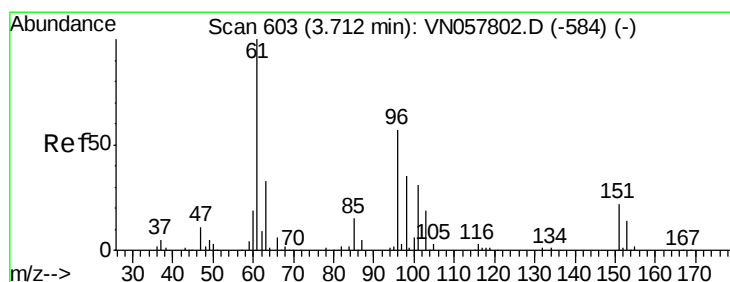
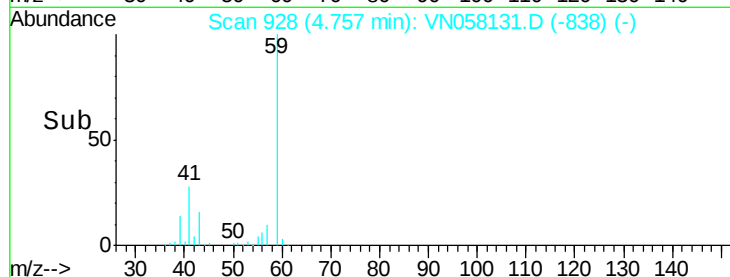
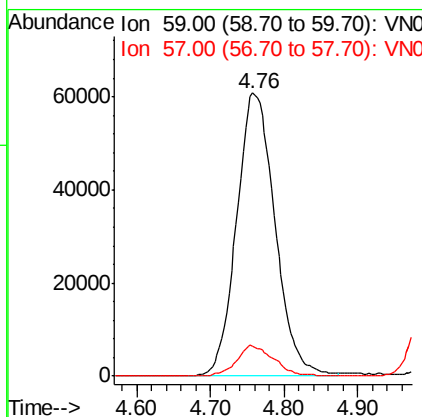
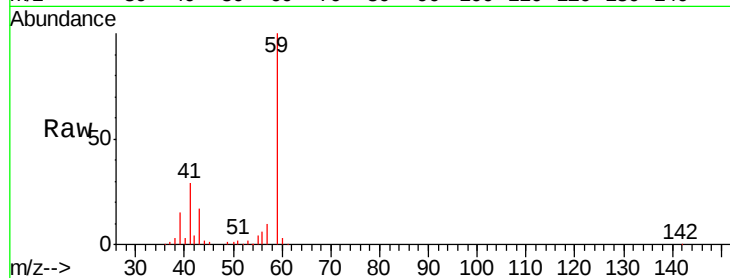
Tert butyl alcohol
Concen: 273.709 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 59 Resp: 221277
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

Manual Integrations
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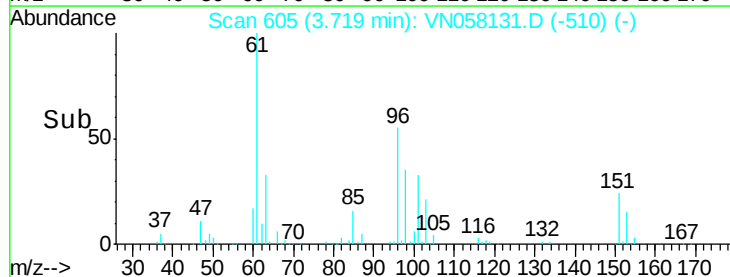
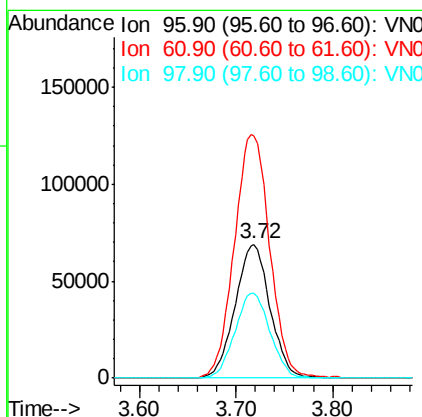
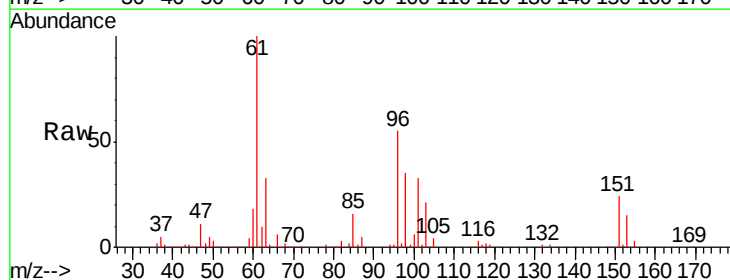
MMDadoda
9/18/2019 2:56:38 PM

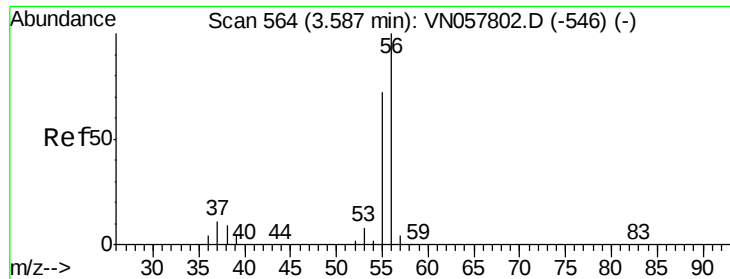


#12

1,1-Dichloroethene
Concen: 49.280 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion: 96 Resp: 173054
Ion Ratio Lower Upper
96 100
61 181.3 141.2 211.8
98 63.5 49.9 74.9





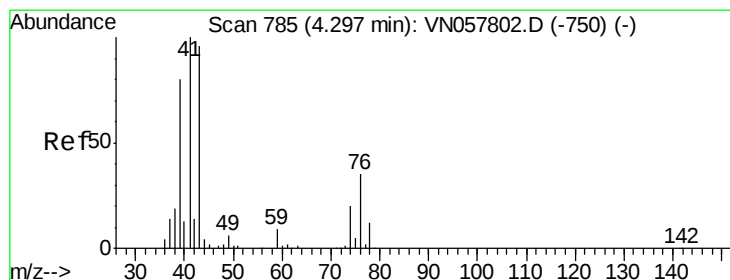
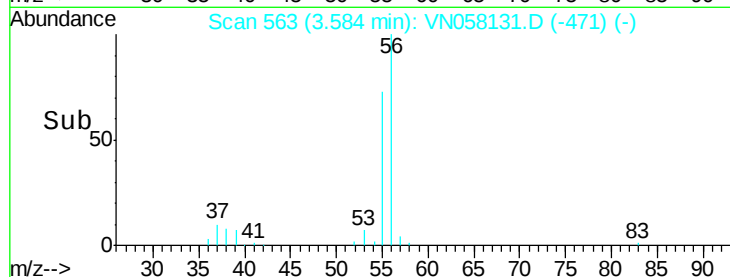
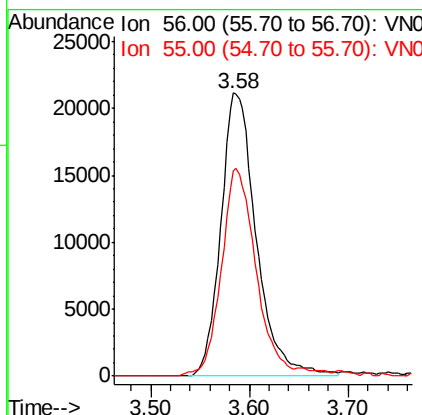
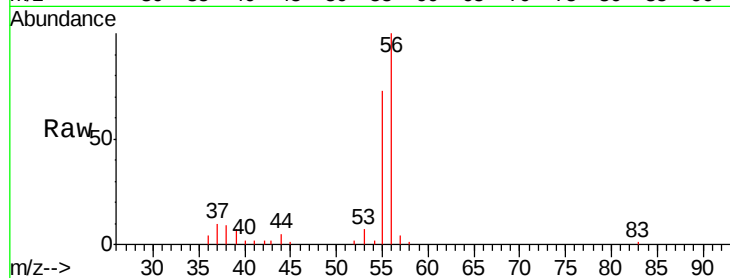
#13
Acrolein
Concen: 77.431 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.2	57.3	85.9

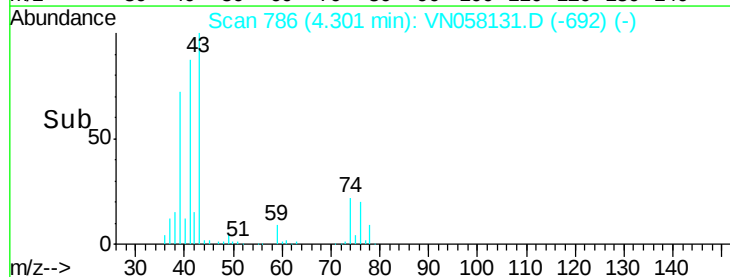
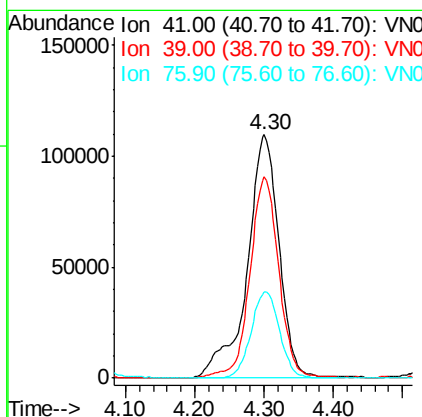
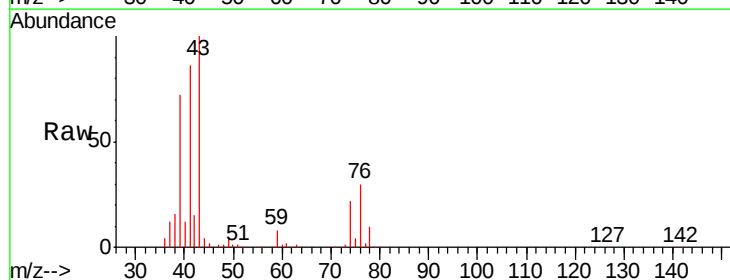
Manual Integrations
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#14
Allyl chloride
Concen: 51.121 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.1	59.4	89.2
76	31.4	26.0	39.0





#15

Acrylonitrile

Concen: 291.616 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

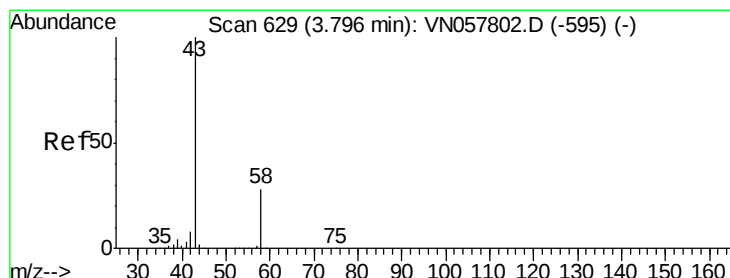
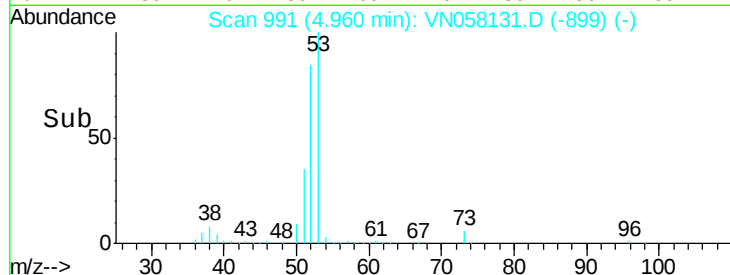
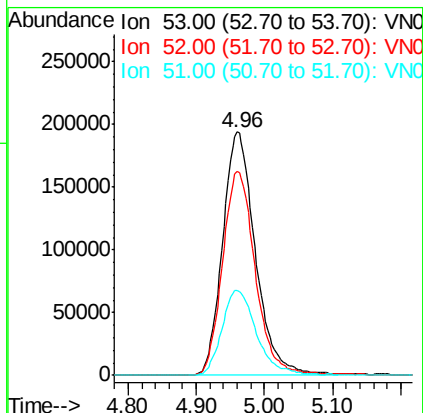
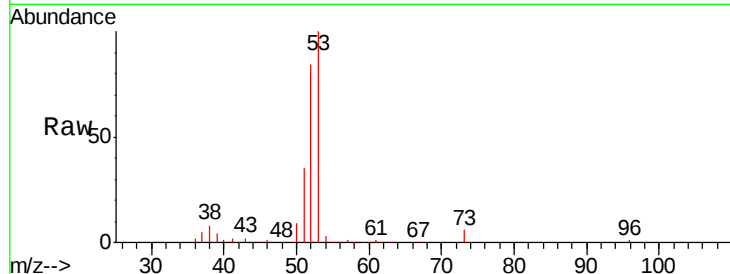
ClientSampleId :

VE-4-11MSD

Tgt Ion:	53	Resp:	647992
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 266.255 ug/l

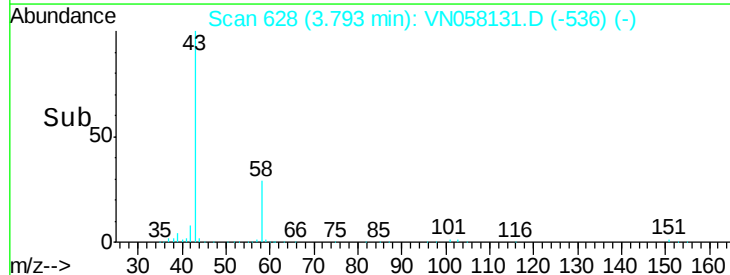
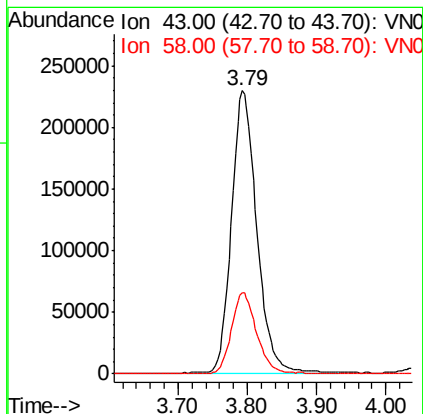
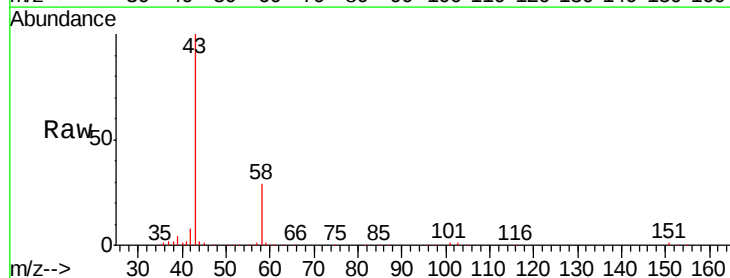
RT: 3.79 min Scan# 628

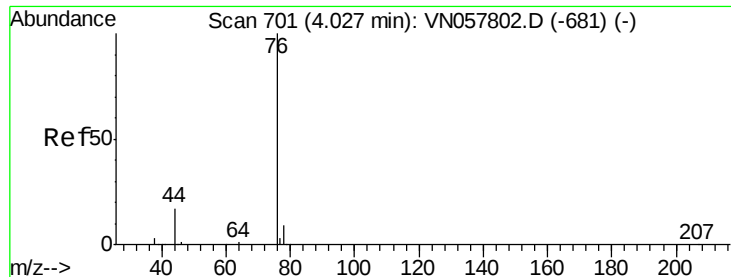
Delta R.T. -0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	43	Resp:	583014
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.2	33.2





#17

Carbon Disulfide

Concen: 45.377 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion: 76 Resp: 247925

Ion Ratio Lower Upper

76 100

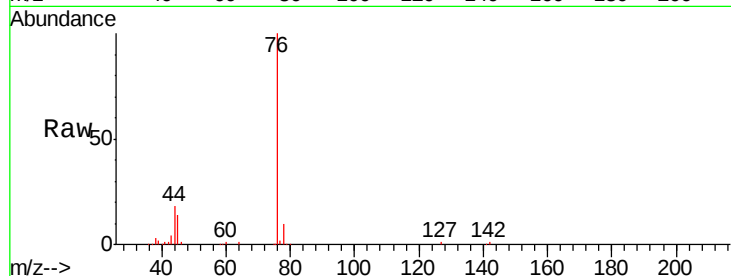
78 10.0 7.1 10.7

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

4.03

100000

80000

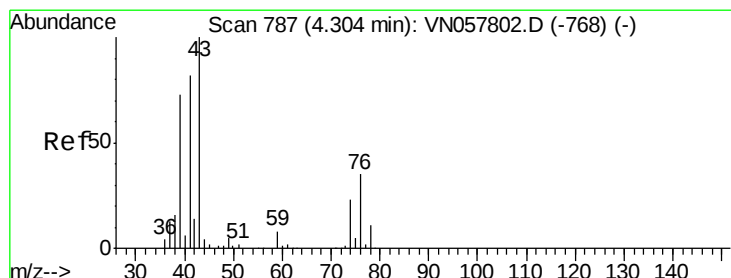
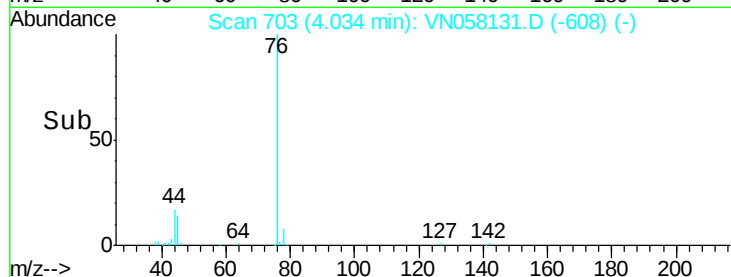
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 61.244 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058131.D

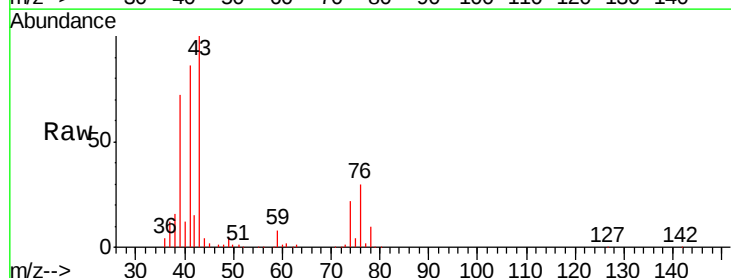
Acq: 16 Sep 2019 19:47

Tgt Ion: 43 Resp: 357562

Ion Ratio Lower Upper

43 100

74 22.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

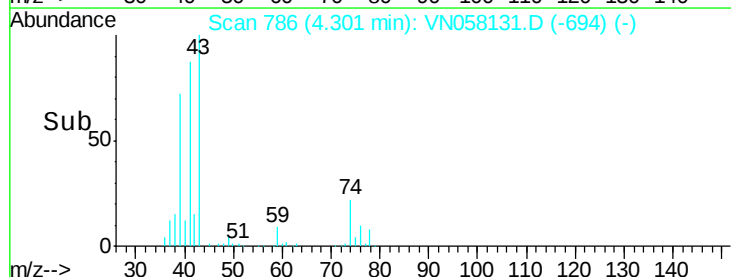
150000

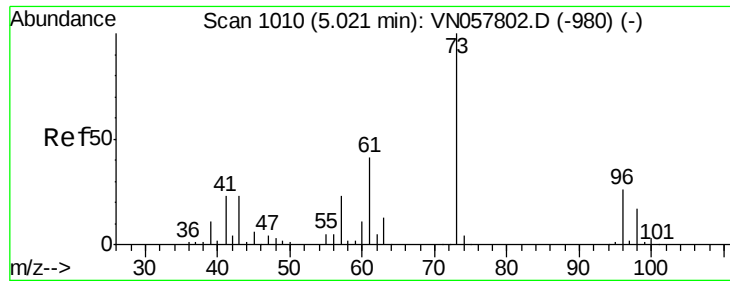
100000

50000

0

Time-->





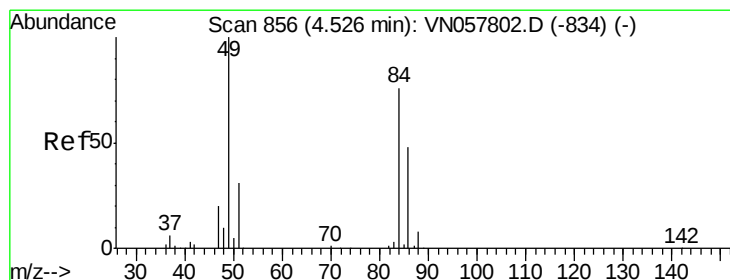
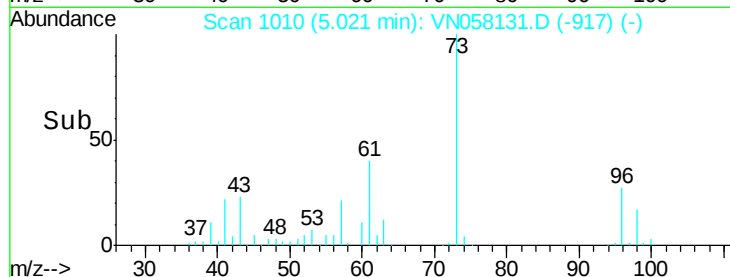
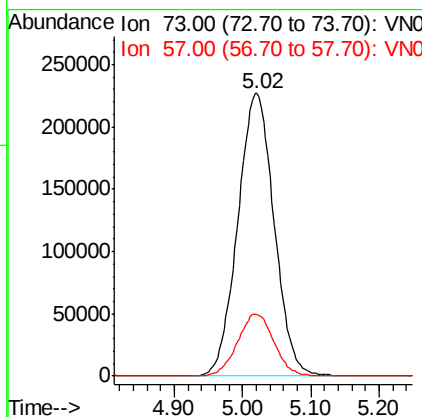
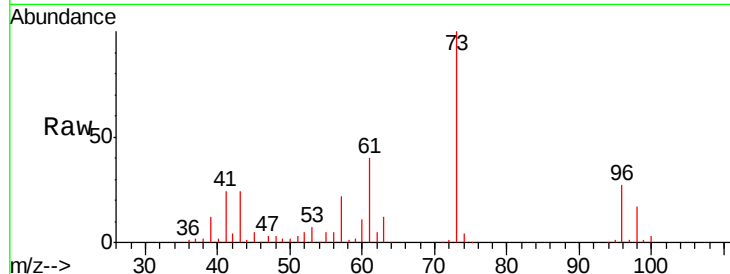
#19
Methyl tert-butyl Ether
Concen: 57.464 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 73 Resp: 839783
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2

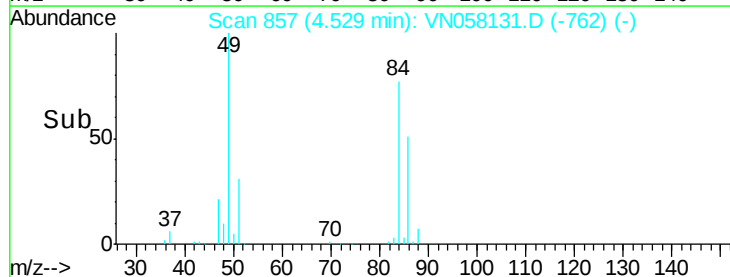
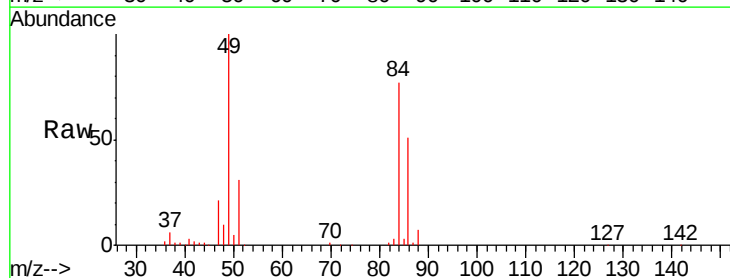
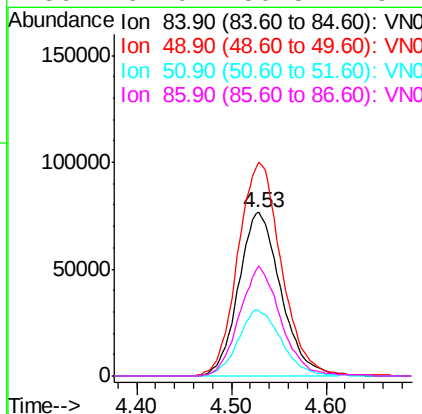
Manual Integrations
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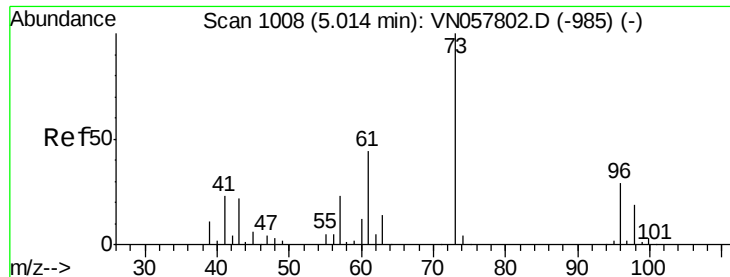
MMDadoda
9/18/2019 2:56:38 PM



#20
Methylene Chloride
Concen: 57.046 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion: 84 Resp: 237076
Ion Ratio Lower Upper
84 100
49 130.5 104.8 157.2
51 40.0 33.0 49.4
86 67.0 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 50.933 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion: 96 Resp: 193346

Ion Ratio Lower Upper

96 100

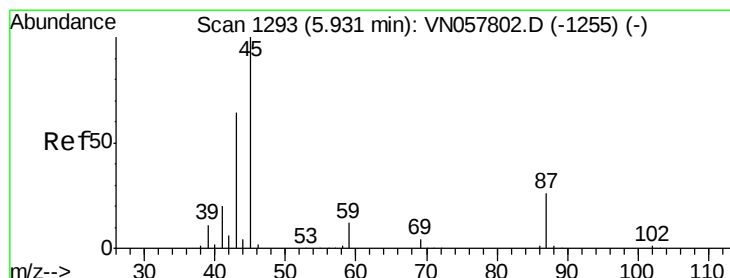
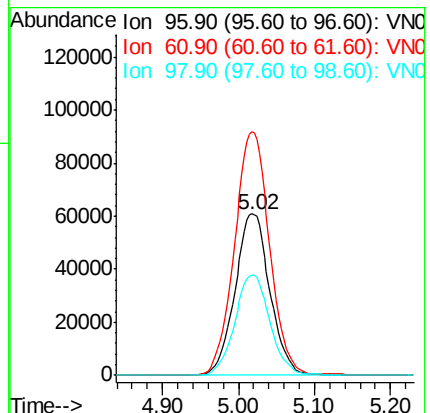
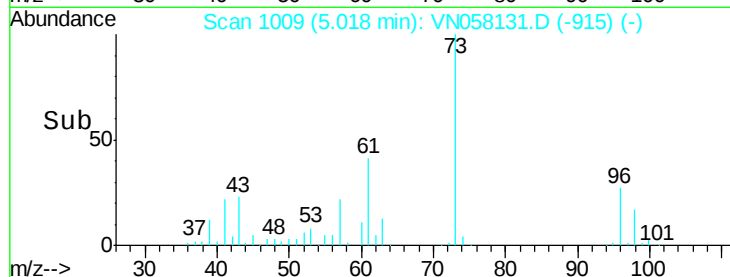
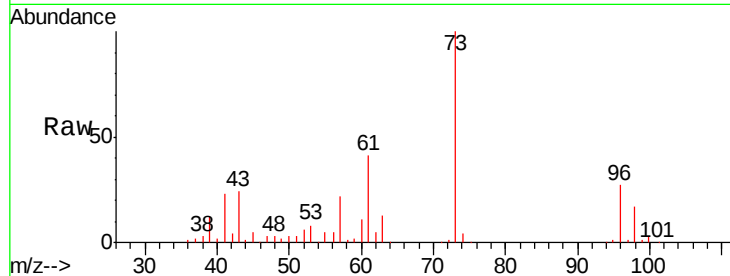
61 151.0 121.9 182.9

98 62.0 52.2 78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.813 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion: 45 Resp: 915608

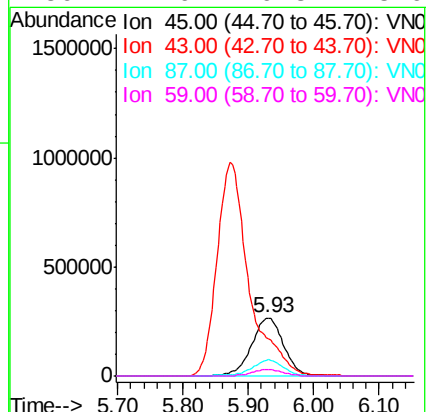
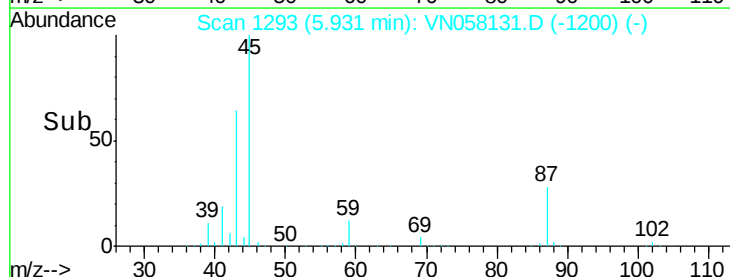
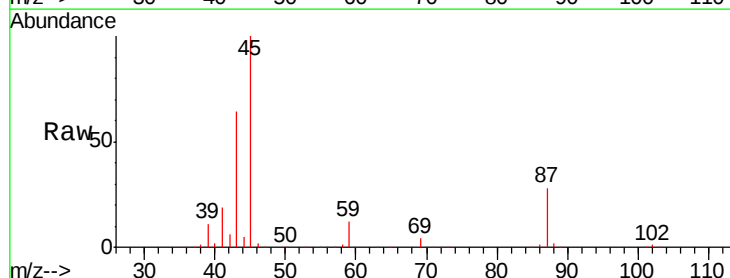
Ion Ratio Lower Upper

45 100

43 62.9 51.4 77.2

87 27.5 21.3 31.9

59 11.6 9.3 13.9





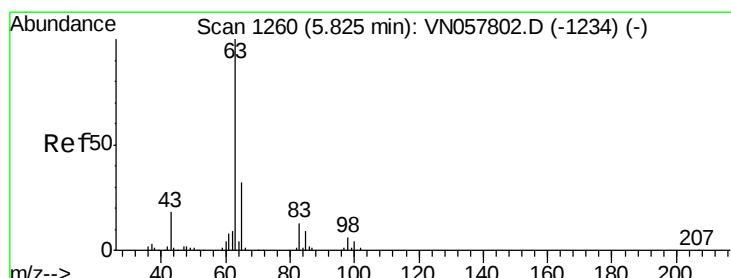
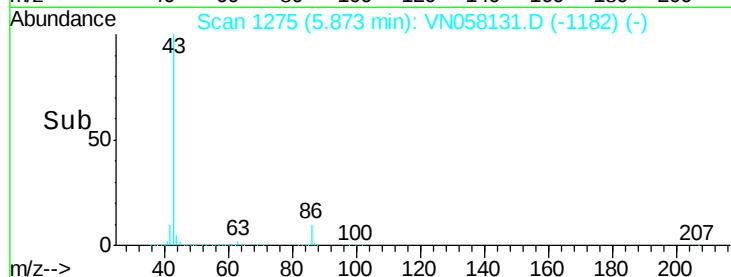
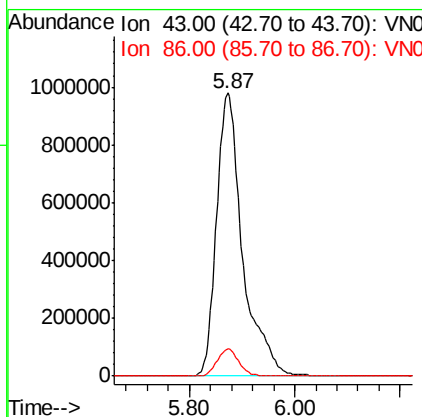
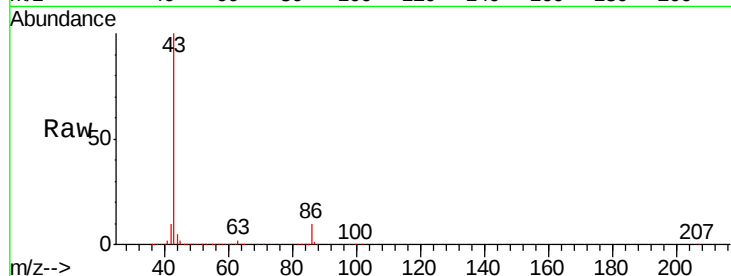
#23
 Vinyl Acetate
 Concen: 293.133 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tgt Ion: 43 Resp: 3348033
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.7 11.5

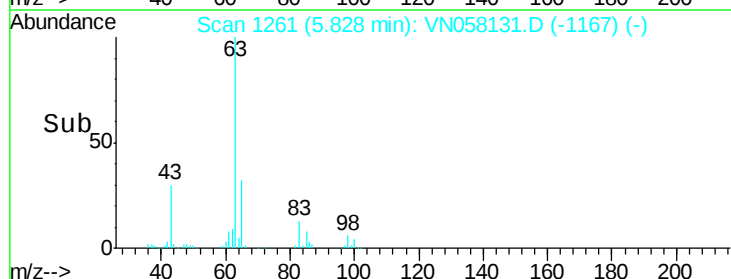
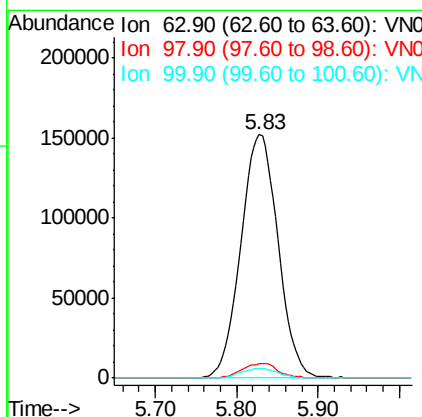
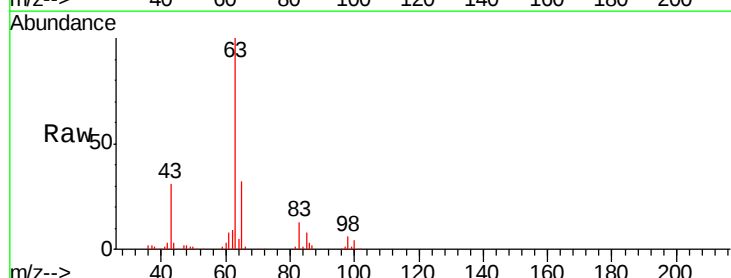
Manual Integrations
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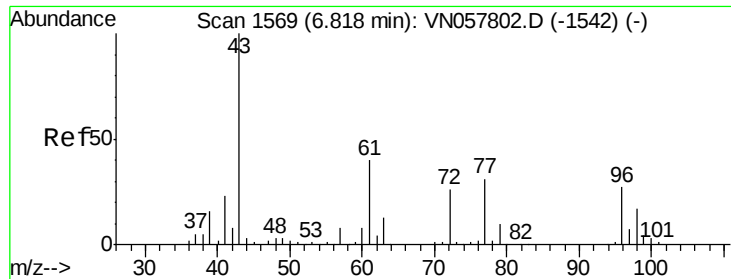
MMDadoda
 9/18/2019 2:56:38 PM



#24
 1,1-Dichloroethane
 Concen: 54.523 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion: 63 Resp: 480236
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 283.709 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion: 43 Resp: 899141

Ion Ratio Lower Upper

43 100

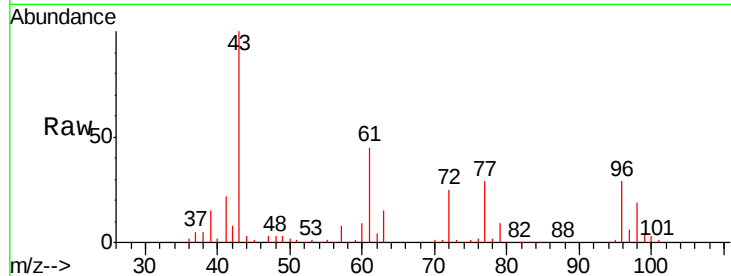
72 25.4 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:56:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

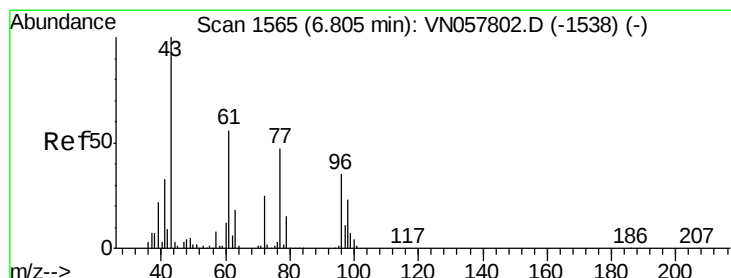
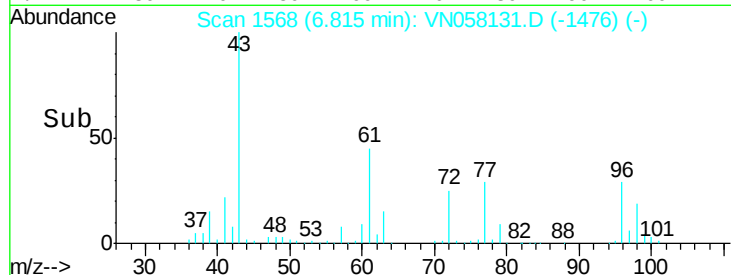
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.388 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058131.D

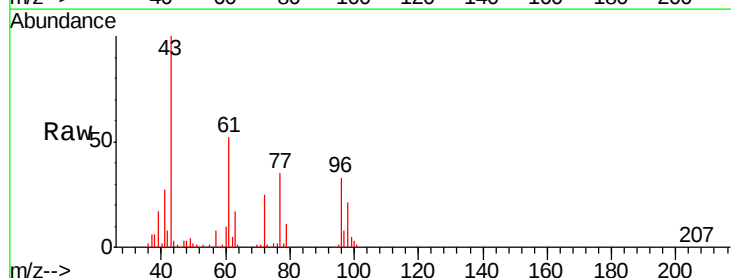
Acq: 16 Sep 2019 19:47

Tgt Ion: 77 Resp: 309401

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

100000

80000

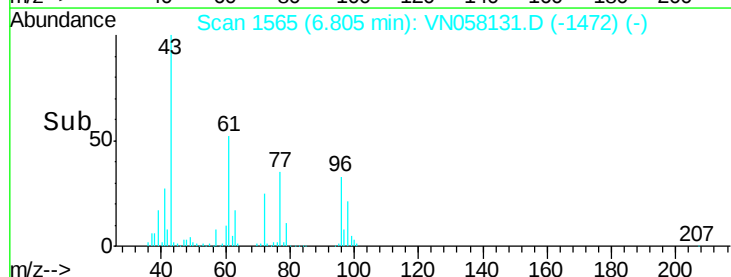
60000

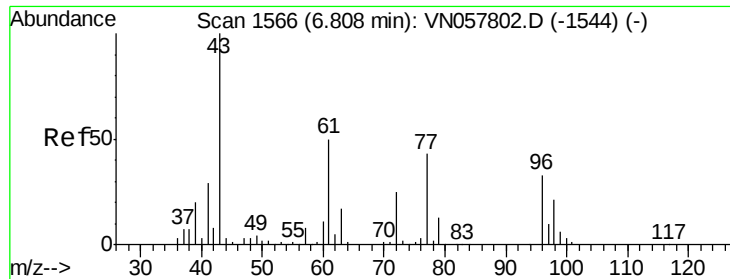
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 53.558 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

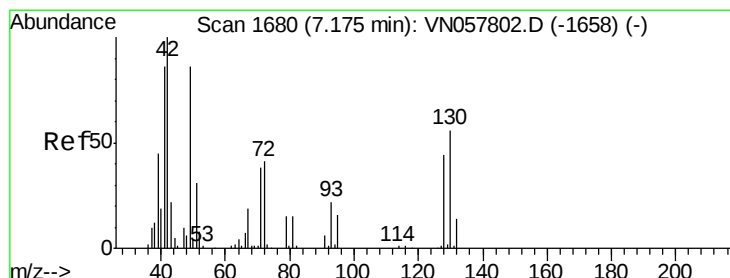
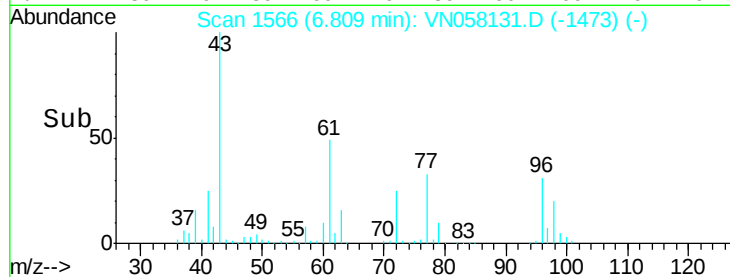
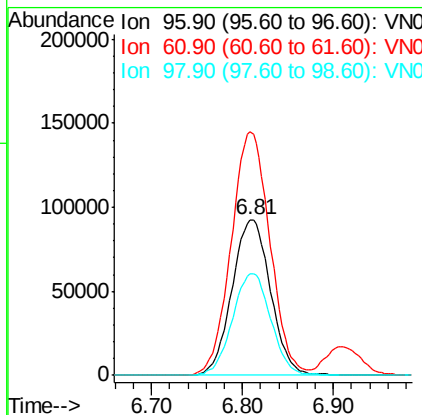
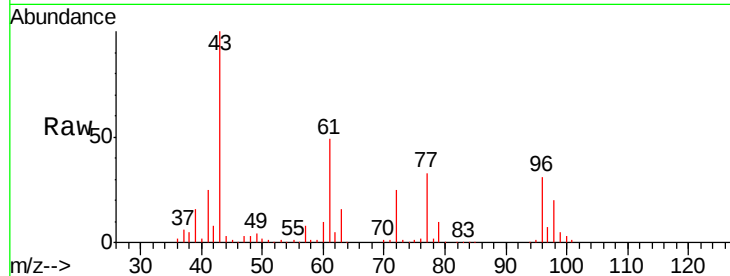
ClientSampleId :

VE-4-11MSD

Tgt Ion:	96	Resp:	272462
Ion Ratio	Lower	Upper	
96	100		
61	156.9	0.0	314.0
98	65.3	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 55.251 ug/l

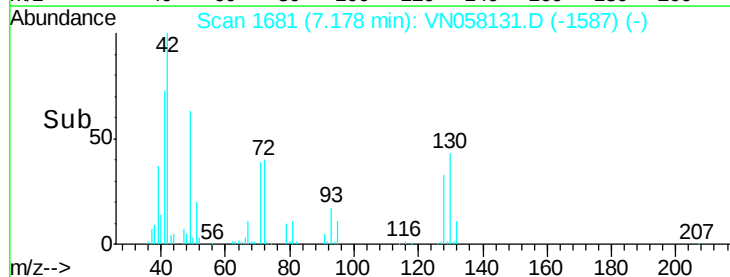
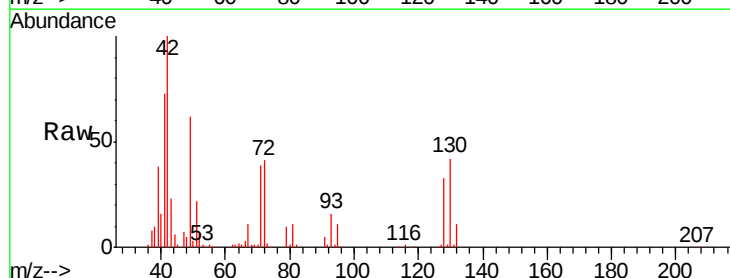
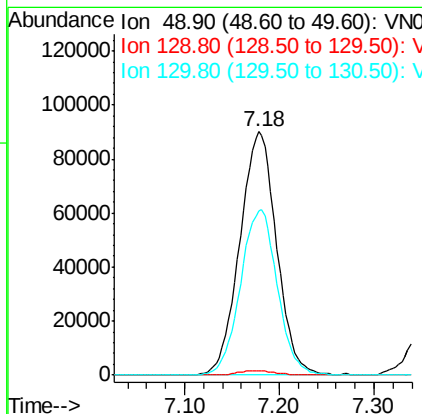
RT: 7.18 min Scan# 1681

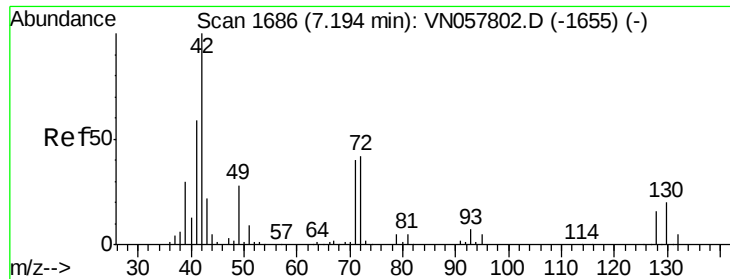
Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	49	Resp:	243120
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	68.2	53.0	79.6





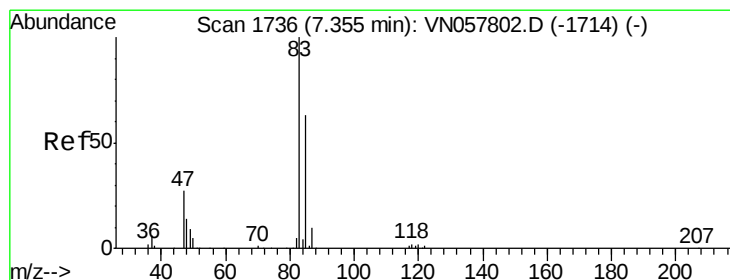
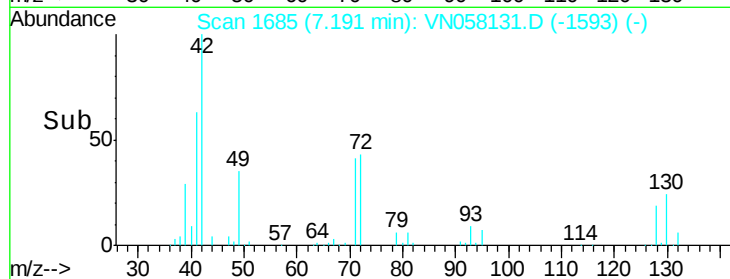
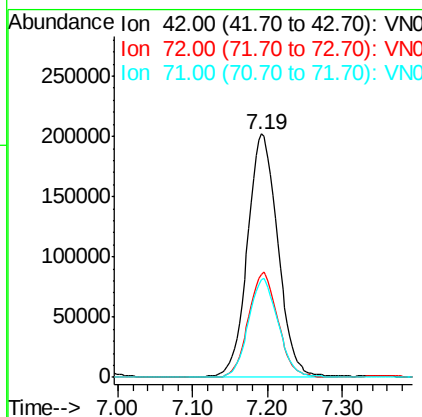
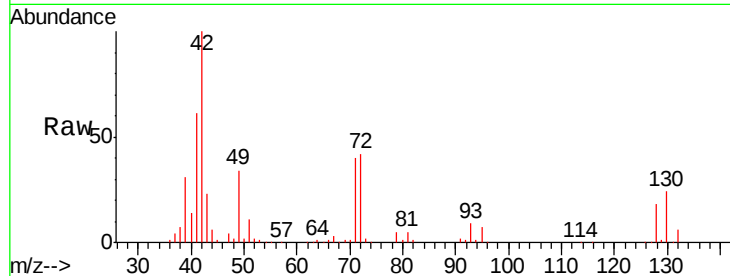
#29
Tetrahydrofuran
Concen: 292.651 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	39.8	31.9	47.9

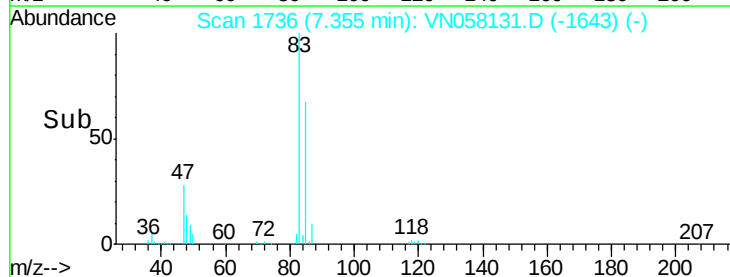
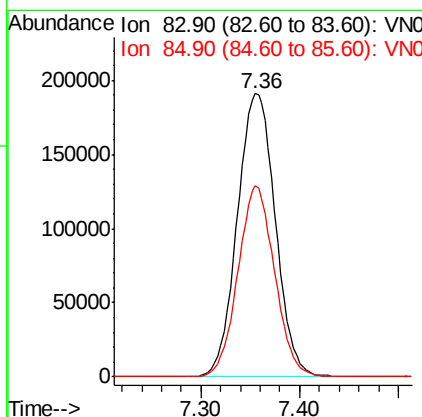
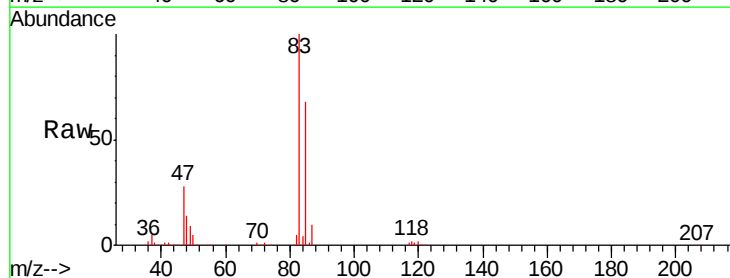
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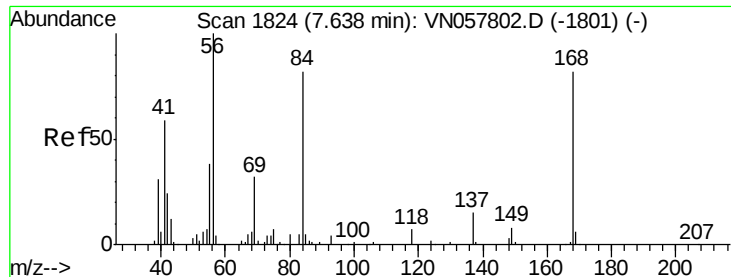
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9/18/2019 2:56:38 PM



#30
Chloroform
Concen: 55.390 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.6	75.8





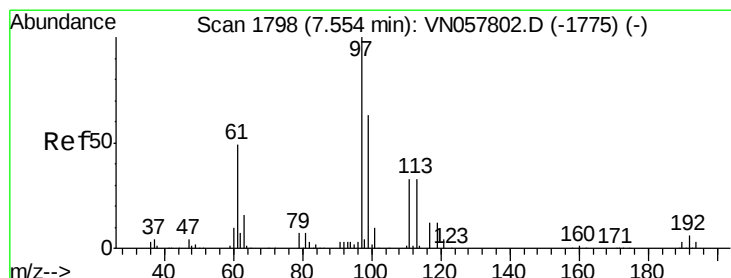
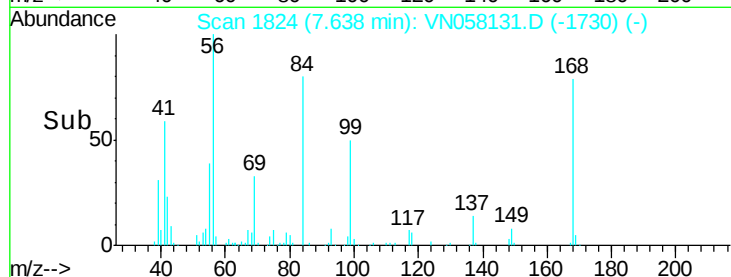
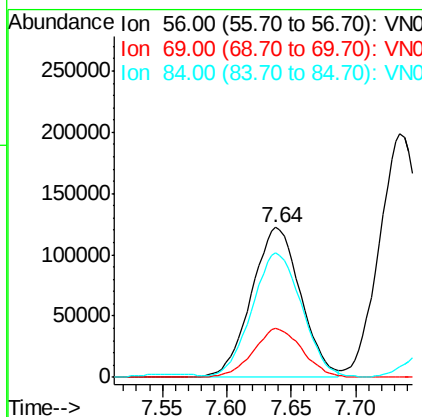
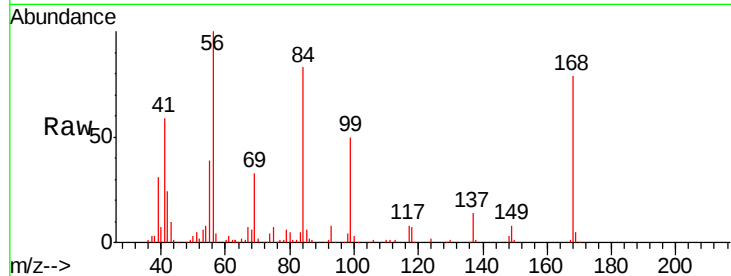
#31
Cyclohexane
Concen: 54.363 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	325130		
69	32.8	25.9	38.9	
84	81.3	65.6	98.4	

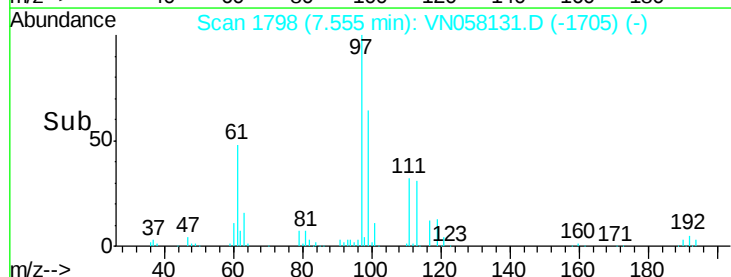
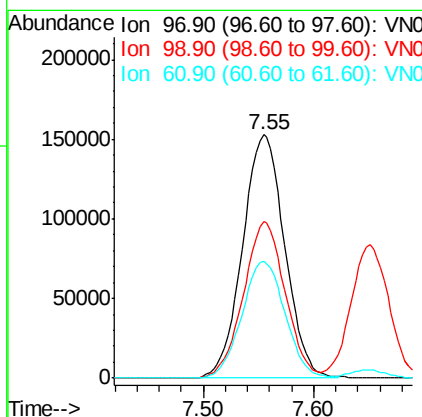
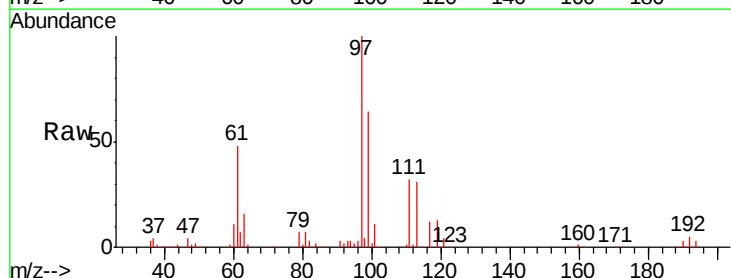
Manual Integrations
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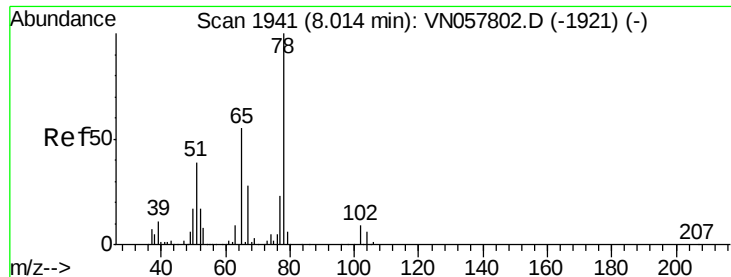
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 55.294 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	403870		
99	63.9	51.0	76.4	
61	49.4	39.0	58.6	





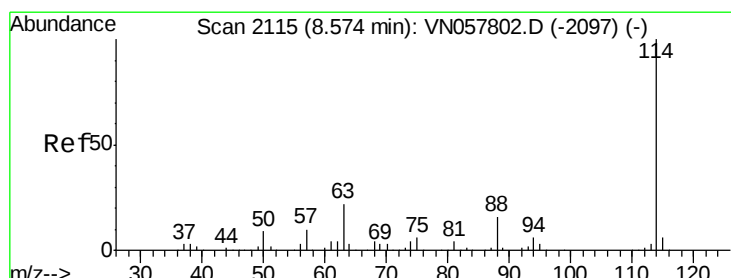
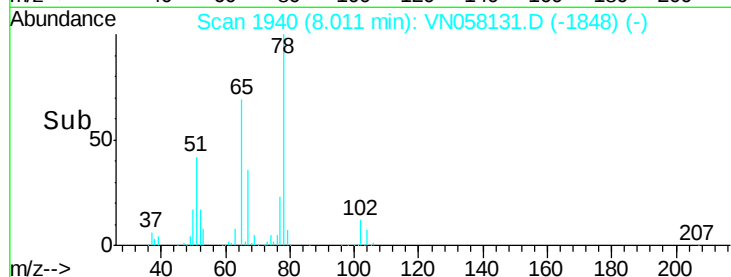
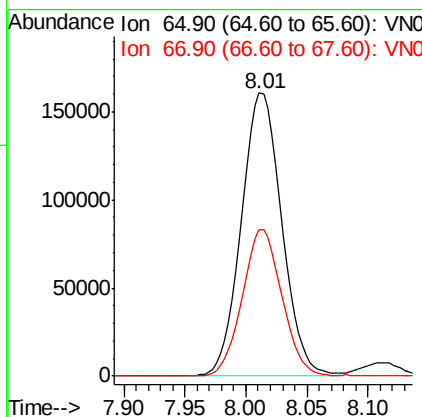
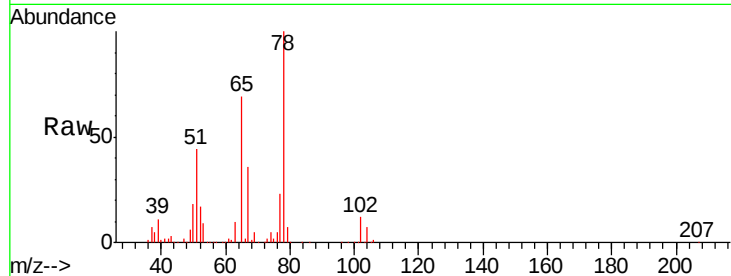
#33
 1,2-Dichloroethane-d4
 Concen: 55.179 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion: 65 Resp: 368573
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.0

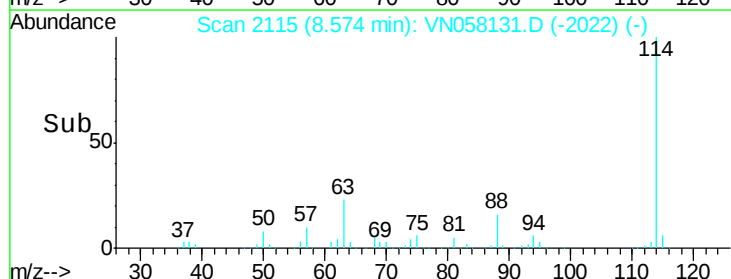
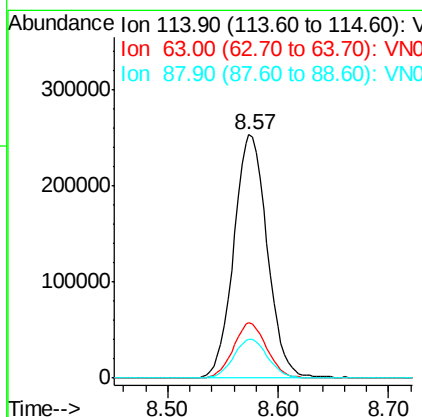
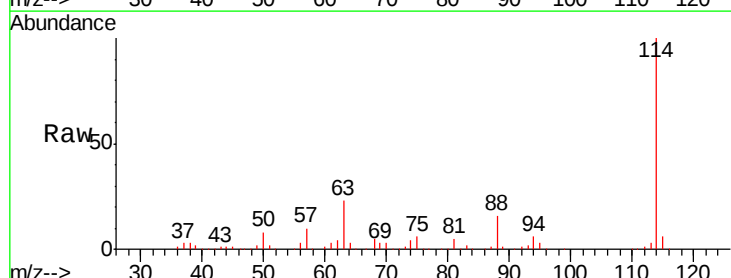
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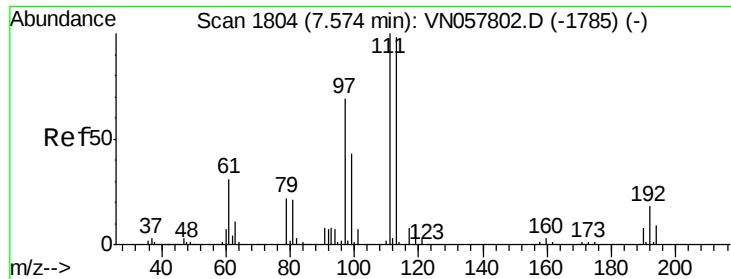
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion: 114 Resp: 532899
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.0
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.827 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

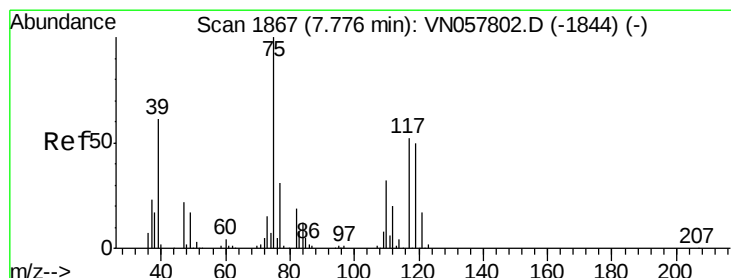
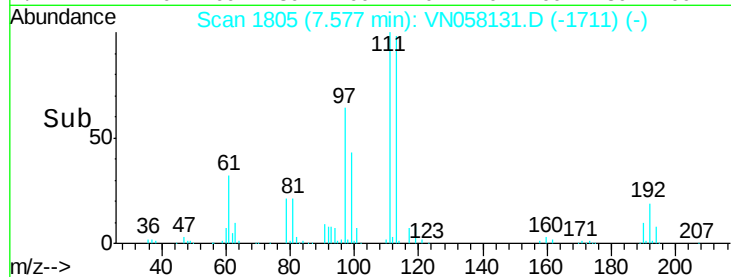
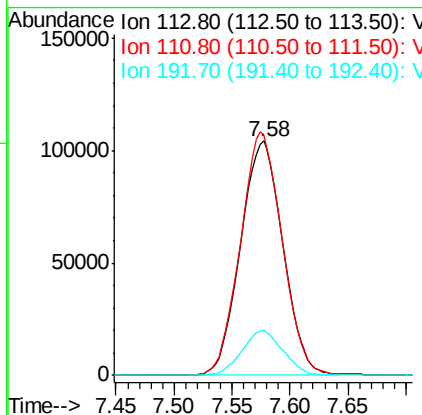
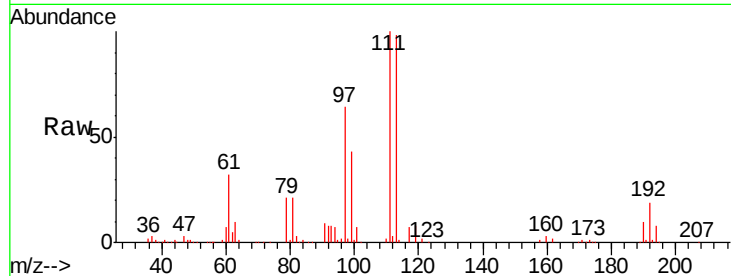
ClientSampled :

VE-4-11MSD

Tgt Ion:	113	Resp:	264747
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.3	121.9
192	18.6	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 51.089 ug/l

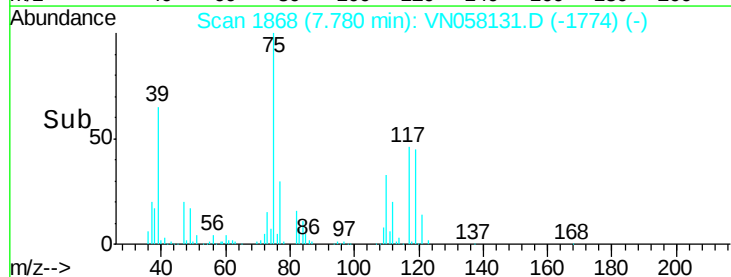
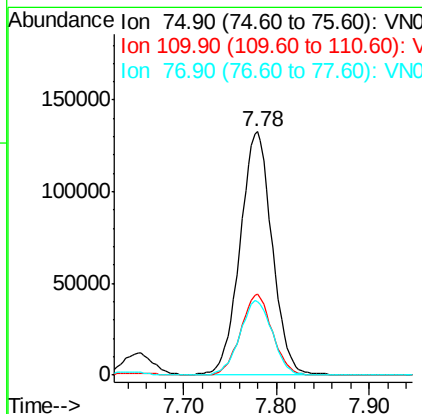
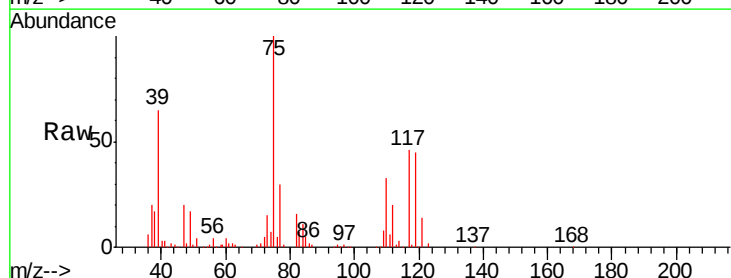
RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	75	Resp:	315742
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.3	48.9
77	31.3	25.0	37.4





#37

Ethyl Acetate

Concen: 54.976 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

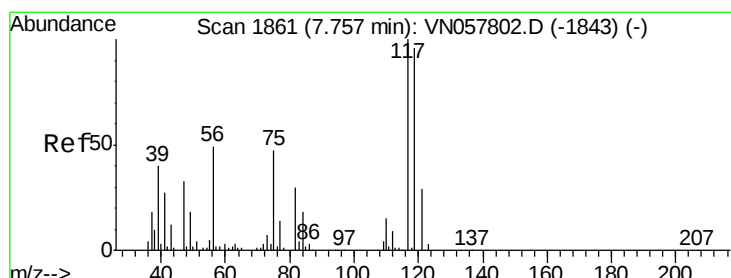
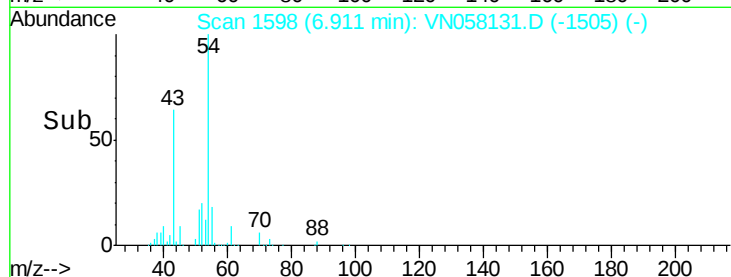
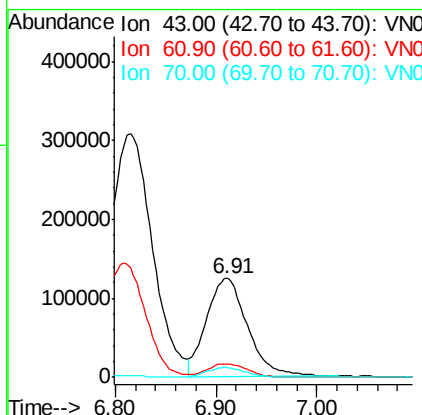
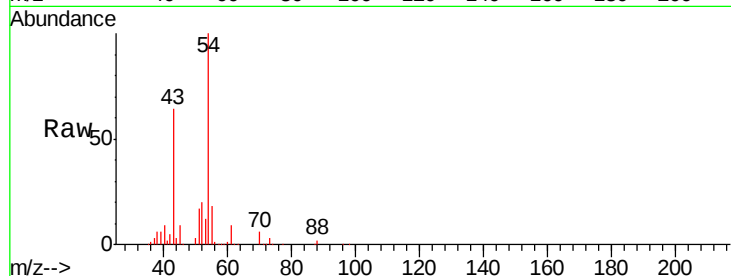
ClientSampled :

VE-4-11MSD

Tgt Ion:	43	Resp:	351038
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.8	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 57.528 ug/l

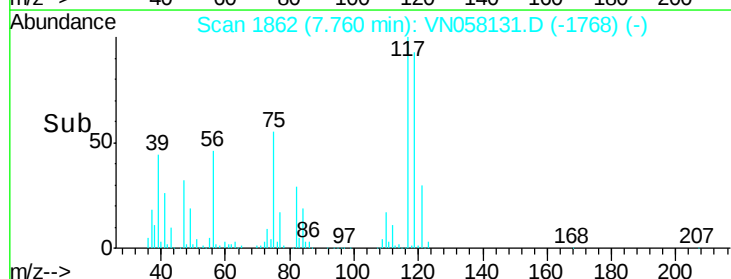
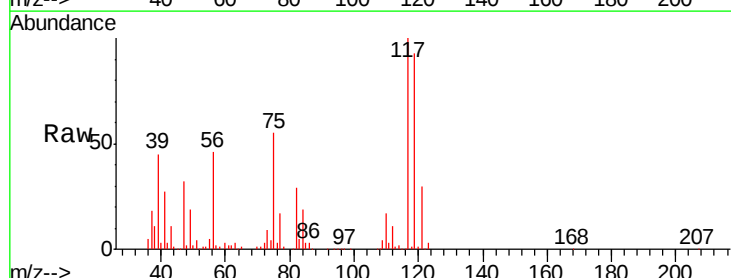
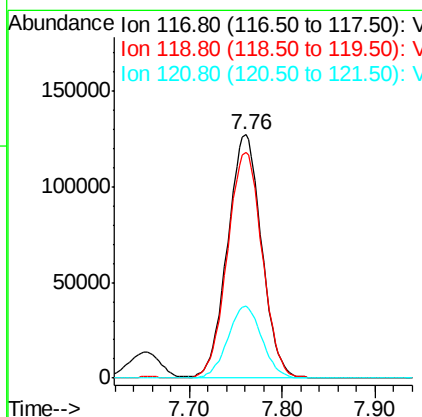
RT: 7.76 min Scan# 1862

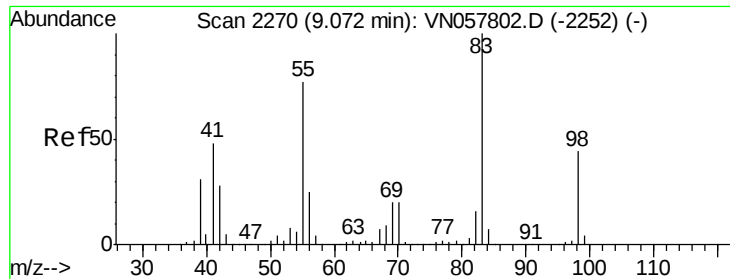
Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	117	Resp:	324604
Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.9	115.3
121	29.5	23.4	35.2





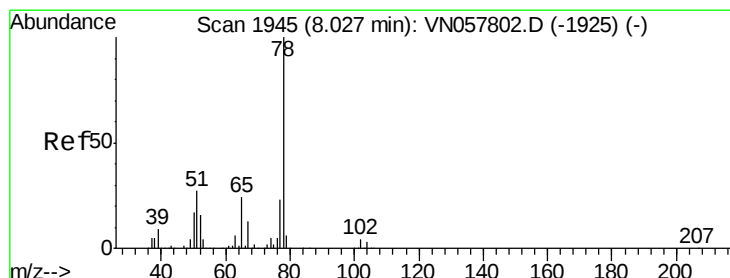
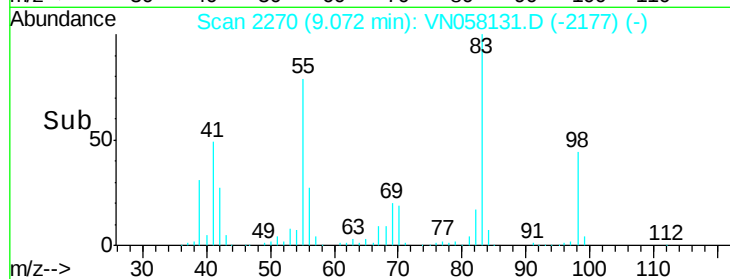
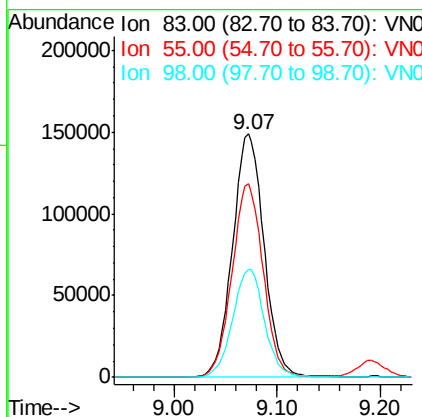
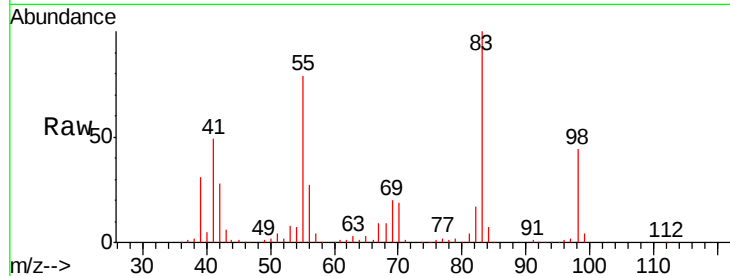
#39
Methylcyclohexane
Concen: 48.882 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	79.3	61.6	92.4
98	44.5	34.9	52.3

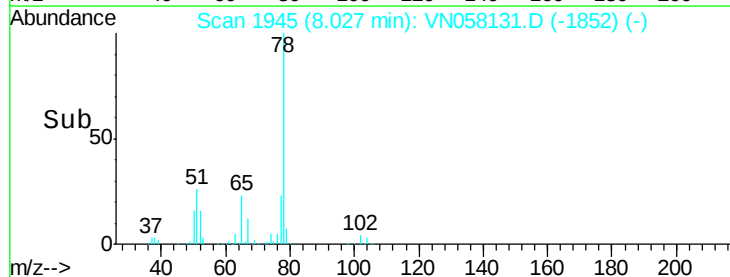
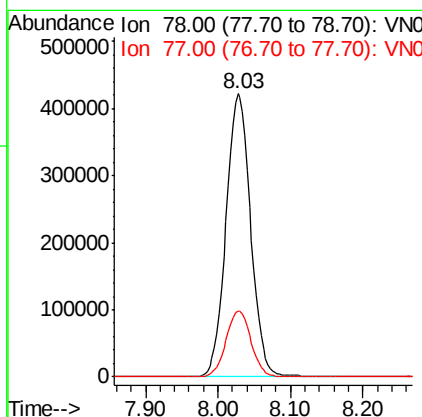
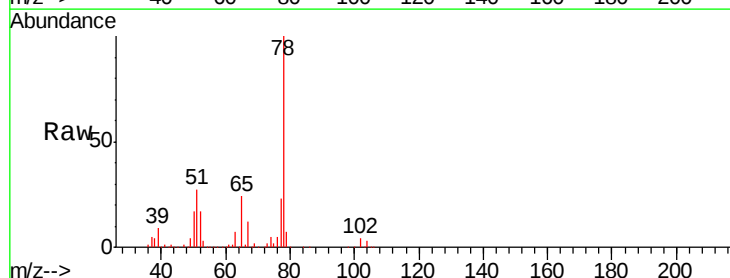
Manual Integrations
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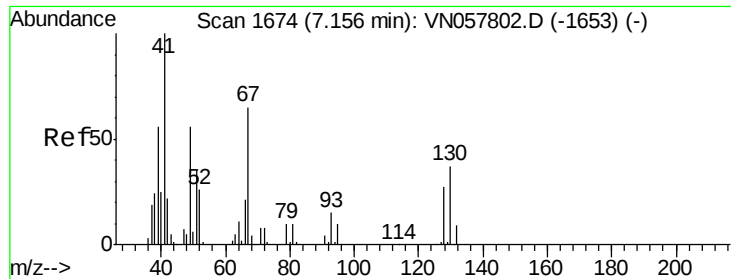
MMDadoda
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#40
Benzene
Concen: 53.539 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.2	18.3	27.5





#41

Methacrylonitrile

Concen: 62.389 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

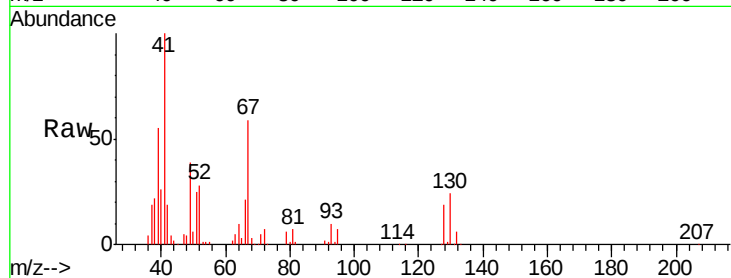
ClientSampleId :

VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.4	51.0	76.6
67	81.7	70.7	106.1
52	37.8	30.8	46.2

Manual Integrations
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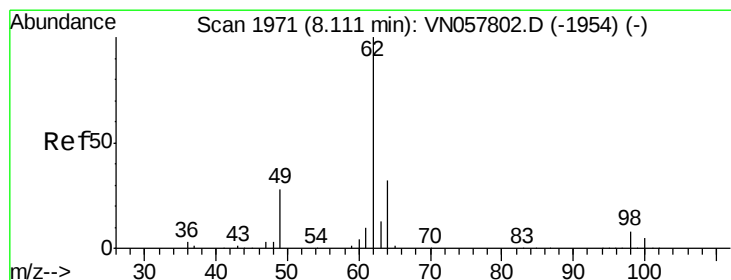
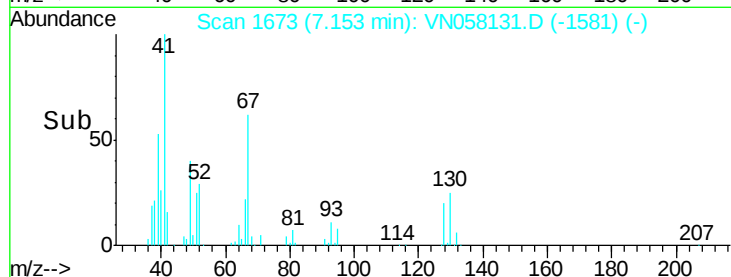
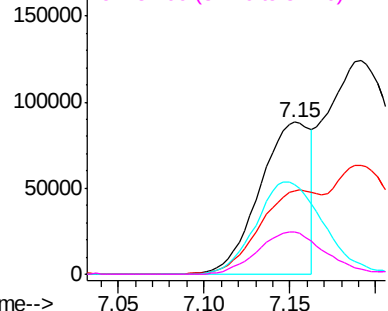


Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-1653) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-1653) (-)

Ion 67.00 (66.70 to 67.70): VN057802.D (-1653) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-1653) (-)



#42

1,2-Dichloroethane

Concen: 56.734 ug/l

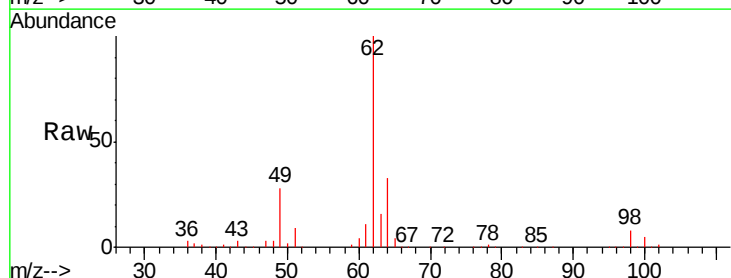
RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058131.D

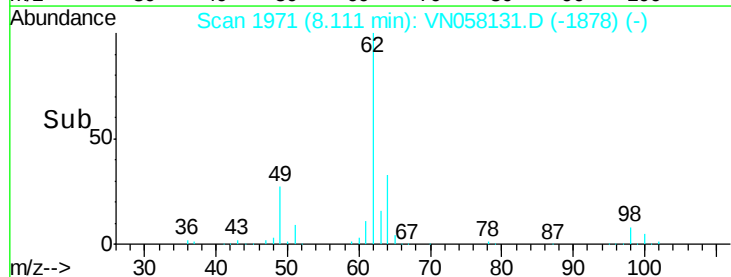
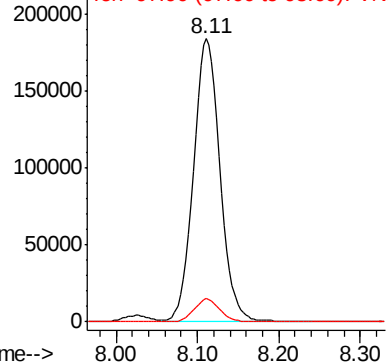
Acq: 16 Sep 2019 19:47

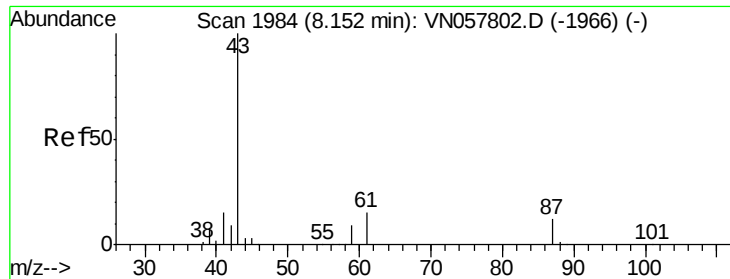
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1954) (-)





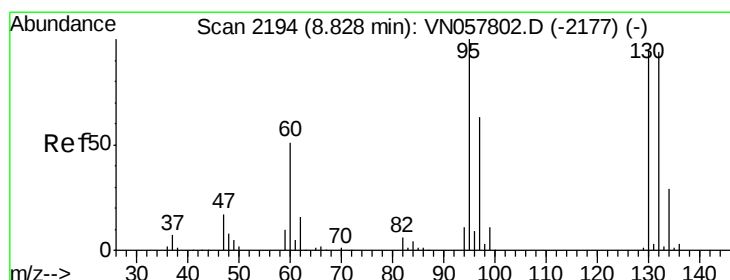
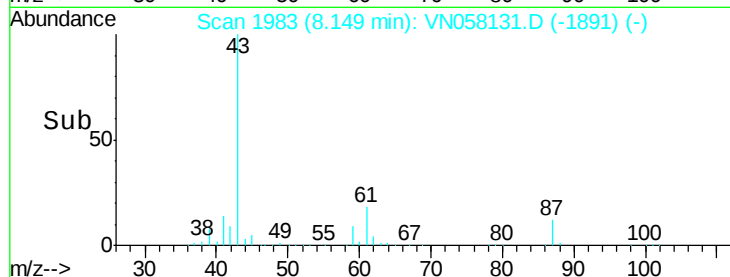
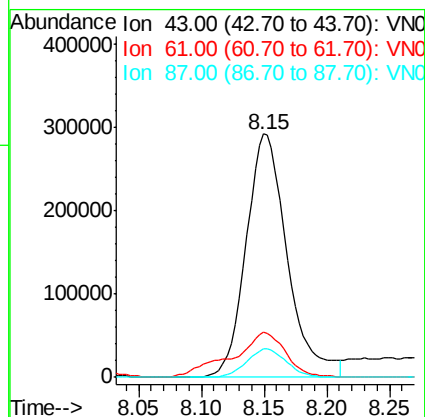
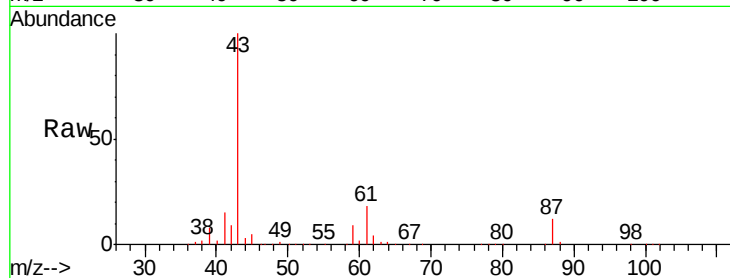
#43
Isopropyl Acetate
Concen: 62.033 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.1	20.1	30.1
87	11.3	9.5	14.3

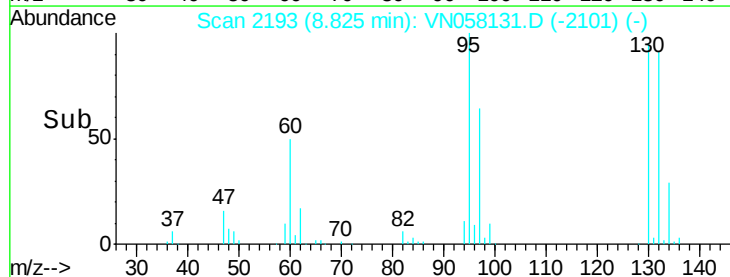
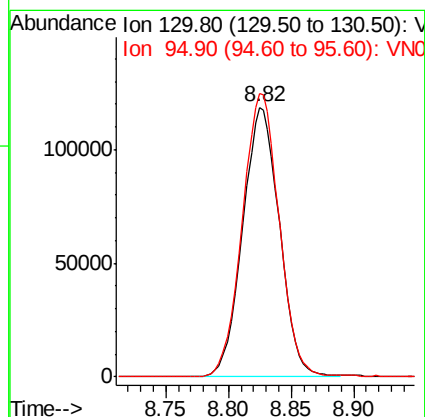
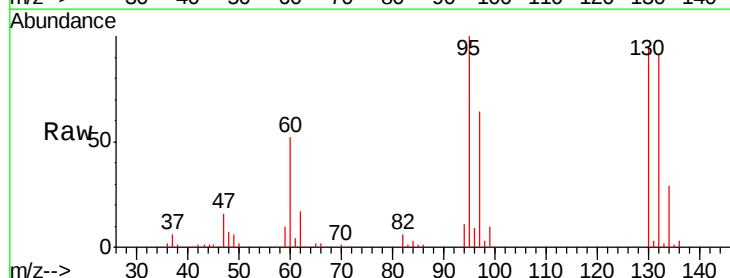
Manual Integrations
APPROVED

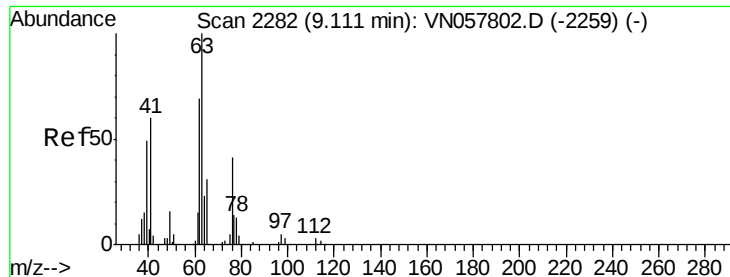
MMDadoda
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#44
Trichloroethene
Concen: 52.984 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	211.4





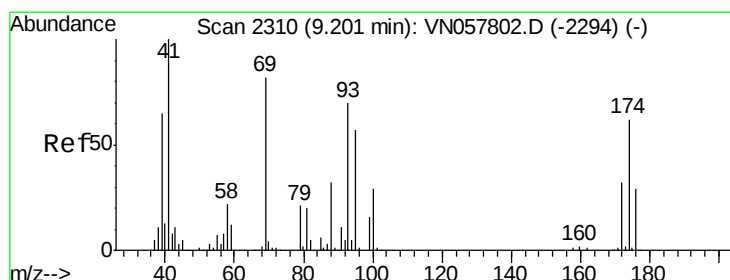
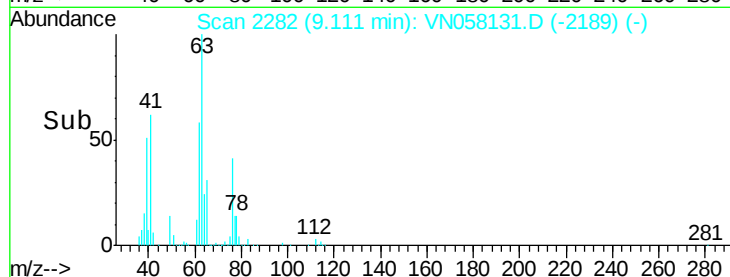
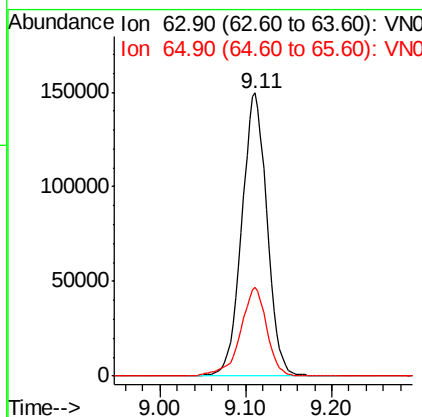
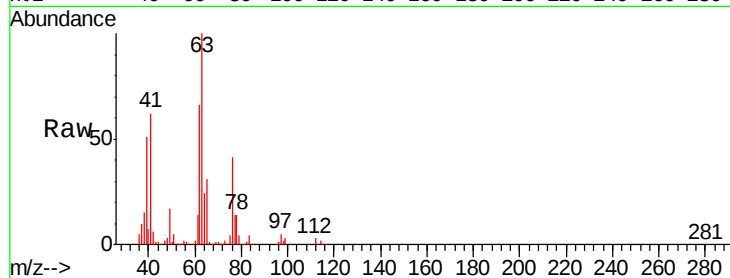
#45
 1,2-Dichloropropane
 Concen: 56.369 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion: 63 Resp: 305191
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2

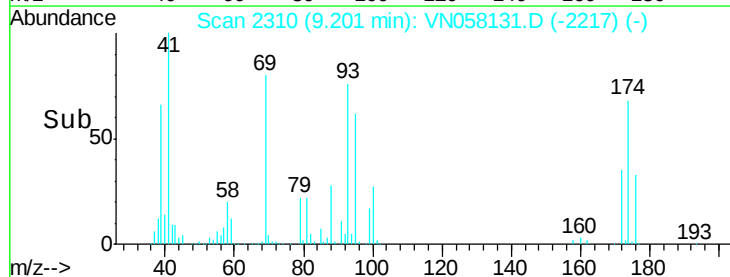
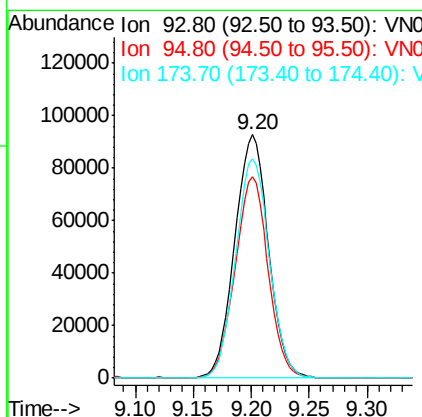
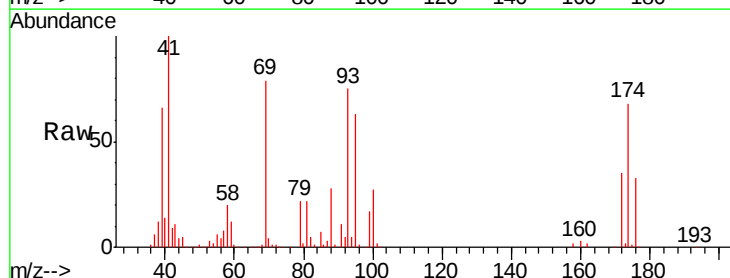
Manual Integrations
 APPROVED

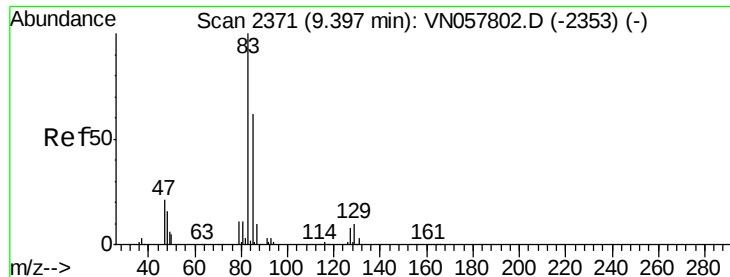
MMDadoda
 9/18/2019 2:56:38 PM



#46
 Dibromomethane
 Concen: 57.268 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion: 93 Resp: 187363
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.9 98.9
 174 90.3 71.8 107.6





#47

Bromodichloromethane

Concen: 59.593 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

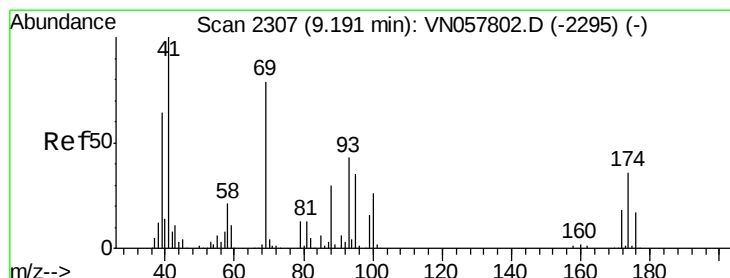
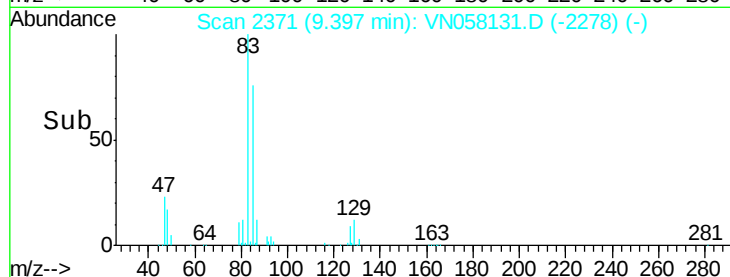
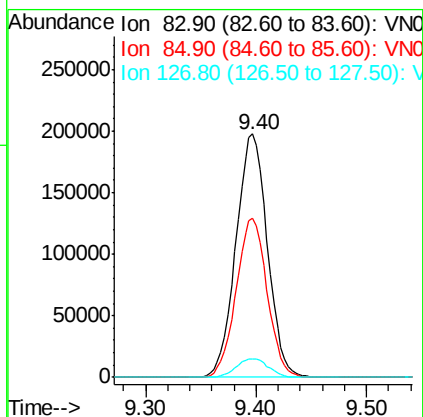
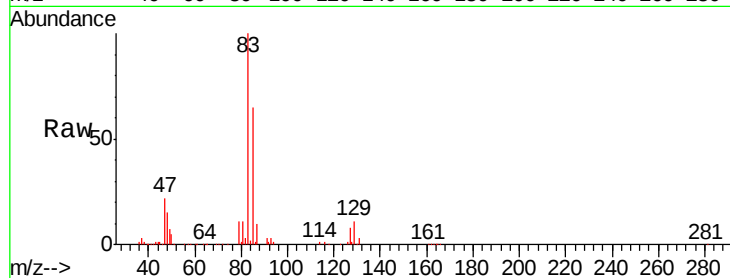
ClientSampled :

VE-4-11MSD

Tgt Ion:	83	Resp:	389334
Ion Ratio	Lower	Upper	
83	100		
85	65.5	49.9	74.9
127	7.7	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.472 ug/l

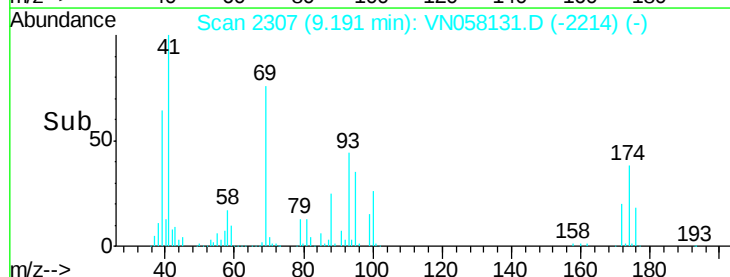
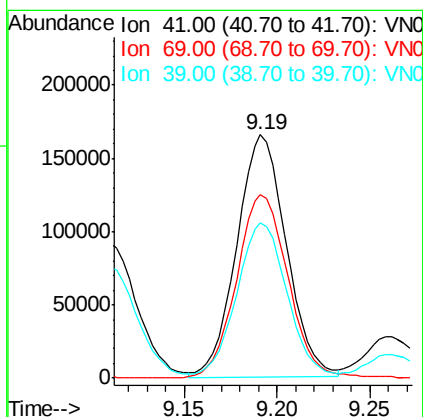
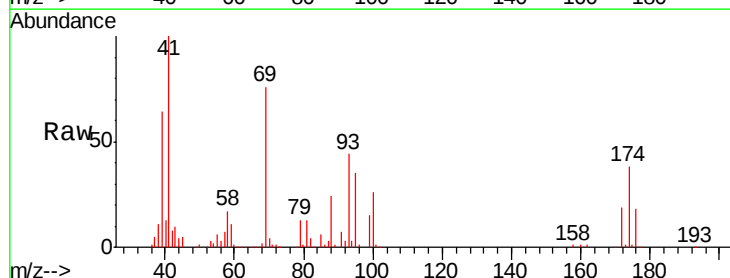
RT: 9.19 min Scan# 2307

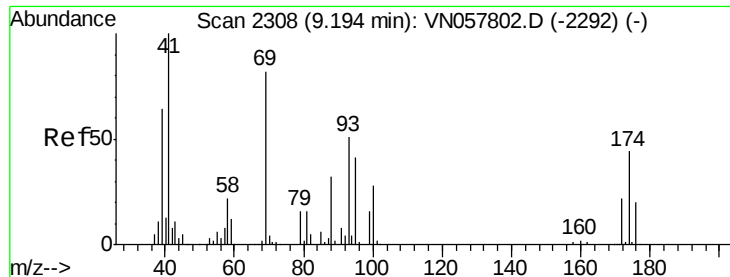
Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	41	Resp:	307603
Ion Ratio	Lower	Upper	
41	100		
69	78.1	62.7	94.1
39	65.2	52.7	79.1





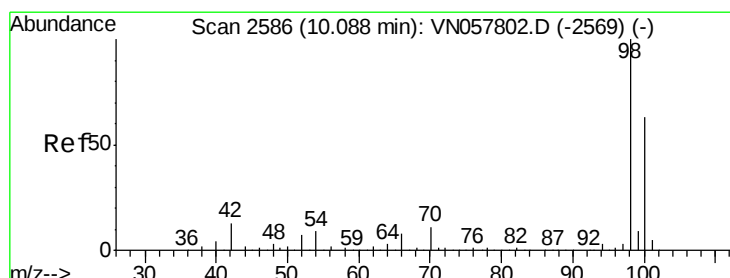
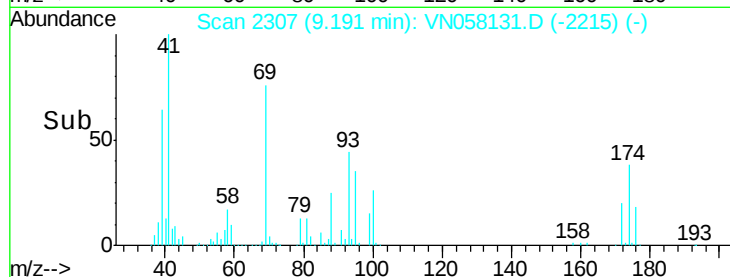
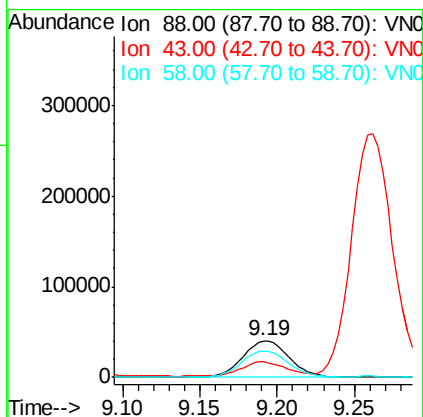
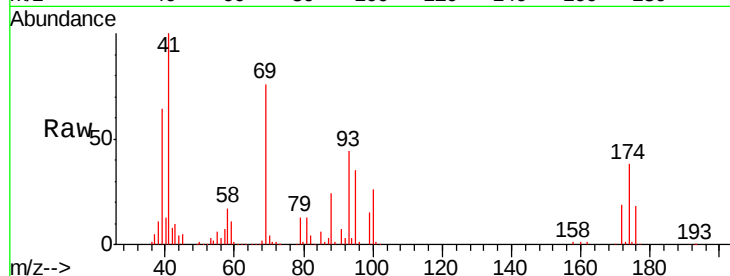
#49
1,4-Dioxane
Concen: 914.801 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.5	28.5	42.7
58	73.2	55.8	83.6

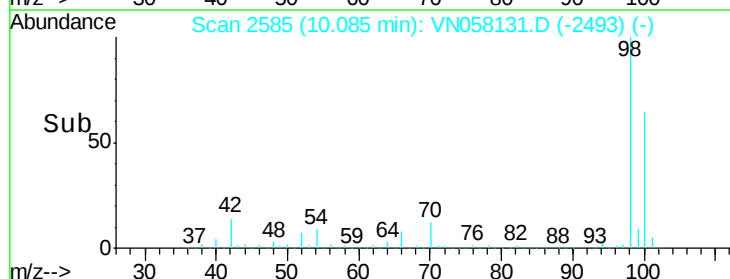
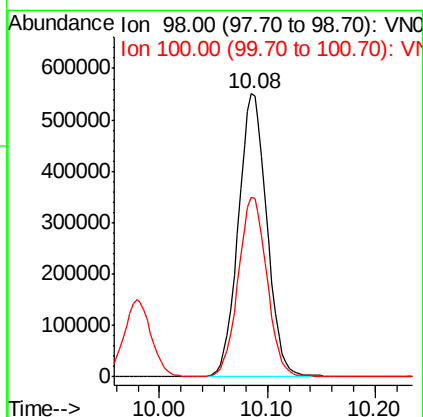
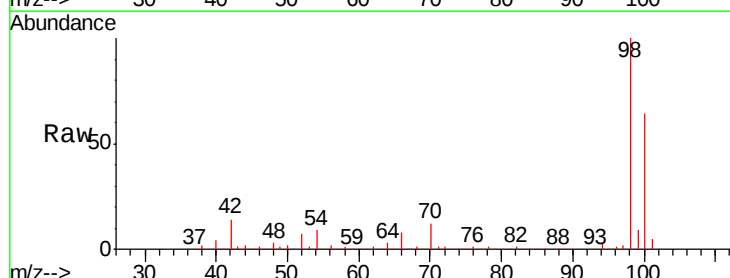
Manual Integrations
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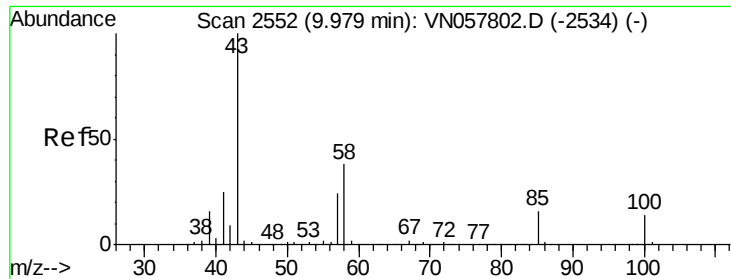
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#50
Toluene-d8
Concen: 53.201 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.3	75.5





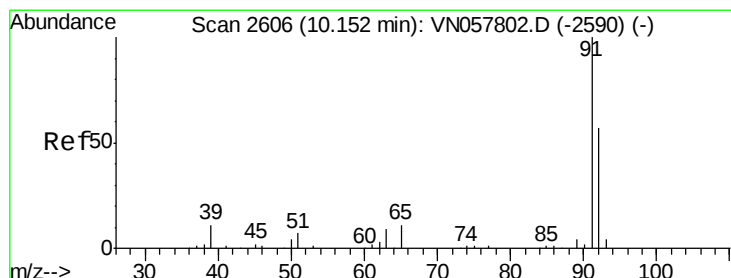
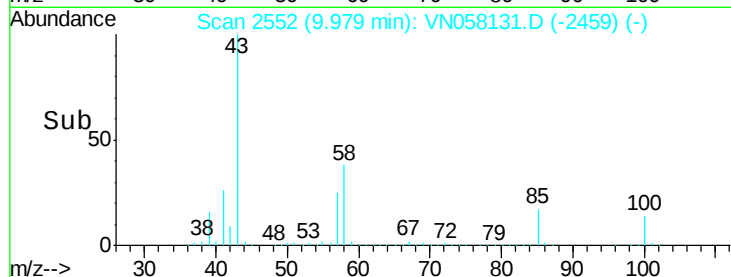
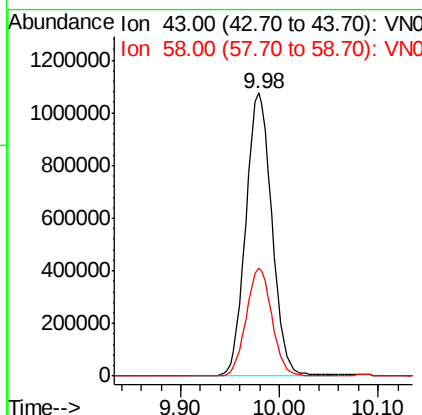
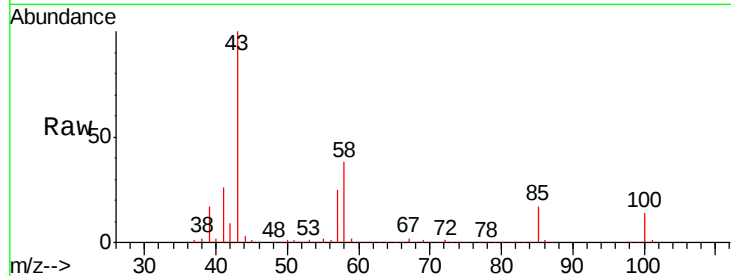
#51
4-Methyl-2-Pentanone
Concen: 307.395 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 43 Resp: 1953319
Ion Ratio Lower Upper
43 100
58 37.7 29.8 44.6

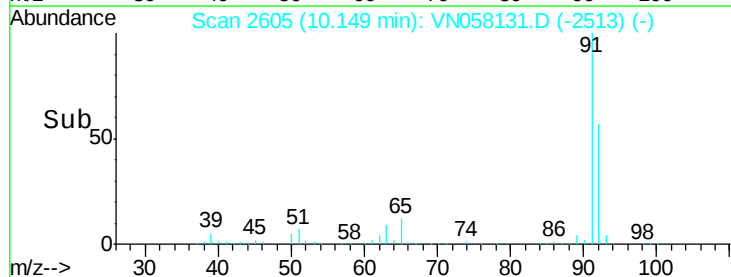
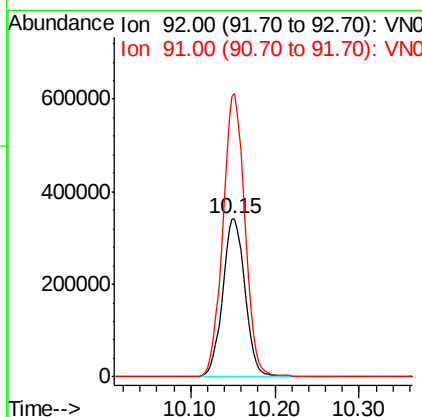
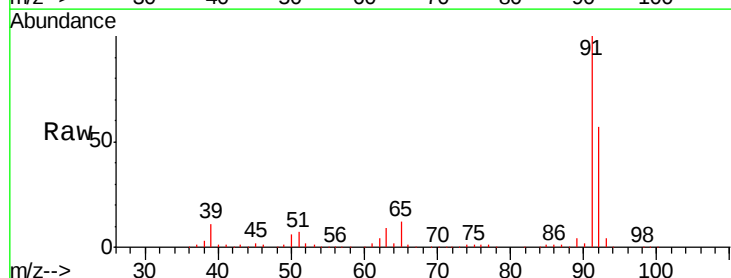
Manual Integrations
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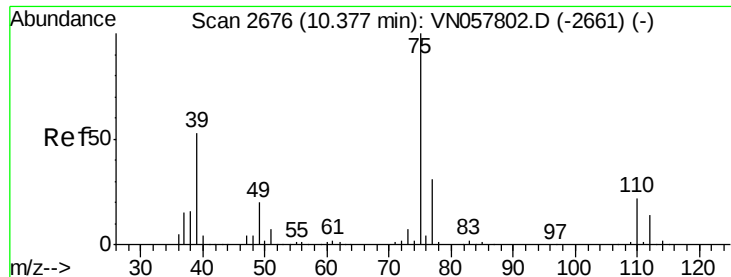
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#52
Toluene
Concen: 53.717 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion: 92 Resp: 629510
Ion Ratio Lower Upper
92 100
91 176.5 141.0 211.6





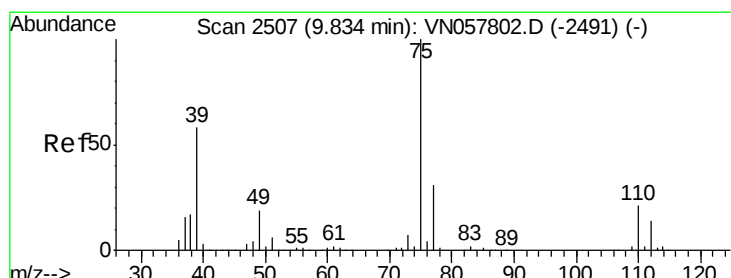
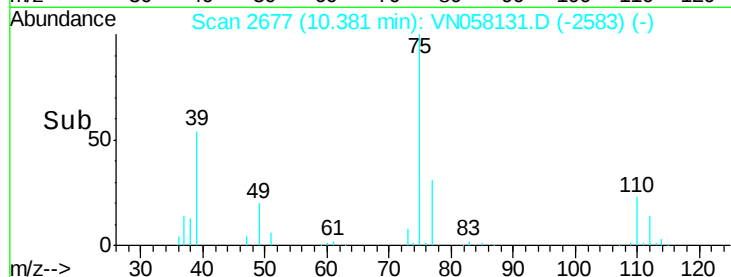
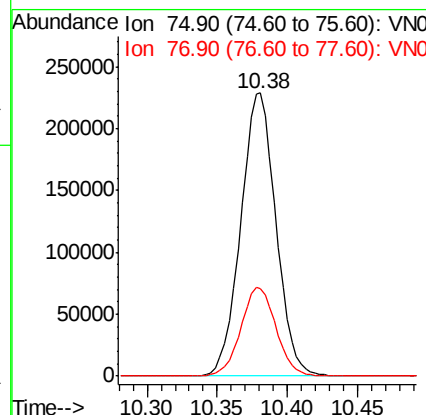
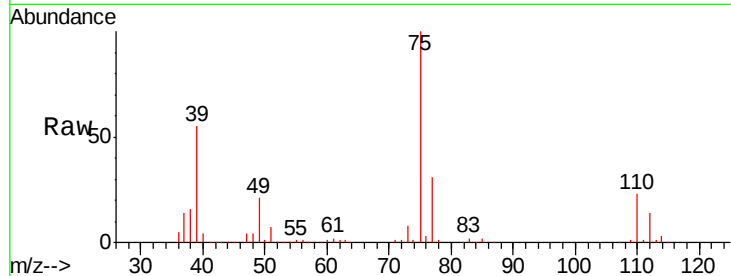
#53
t-1,3-Dichloropropene
Concen: 58.167 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 75 Resp: 400185
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7

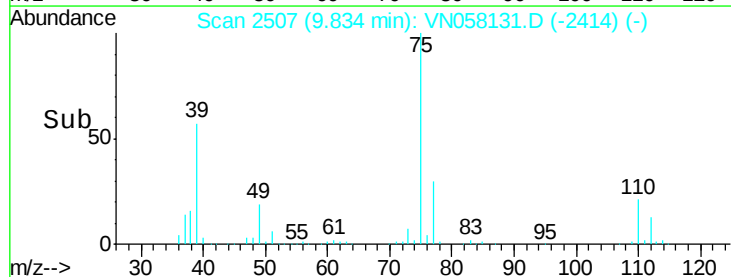
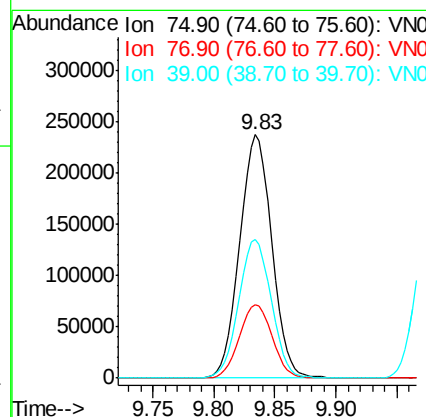
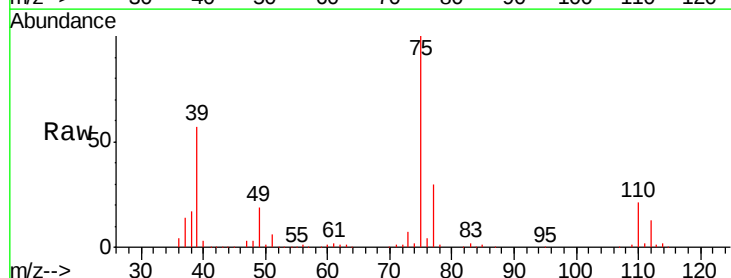
Manual Integrations
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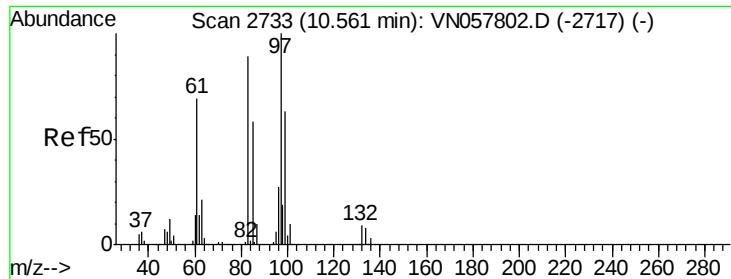
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.975 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion: 75 Resp: 432775
Ion Ratio Lower Upper
75 100
77 30.3 24.8 37.2
39 57.1 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 57.558 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

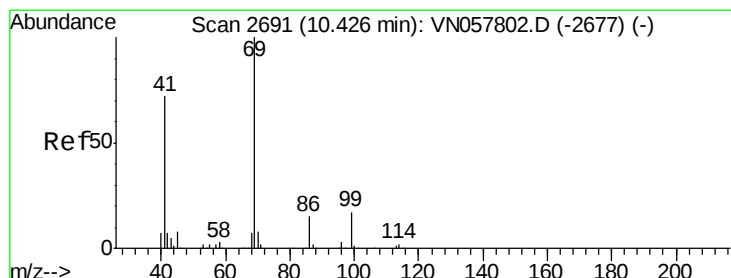
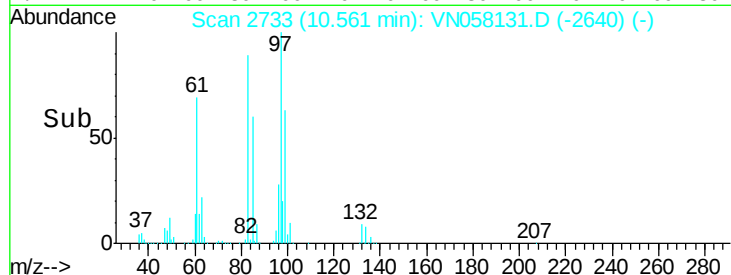
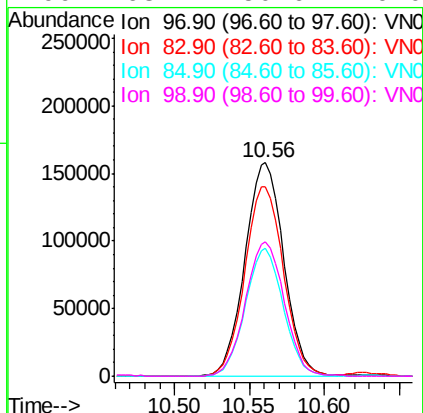
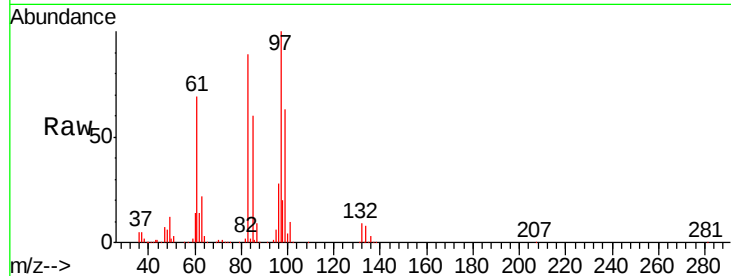
ClientSampleId :

VE-4-11MSD

Tgt Ion:	97	Resp:	285723
Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	59.7	46.0	69.0
99	63.1	50.6	76.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 58.302 ug/l

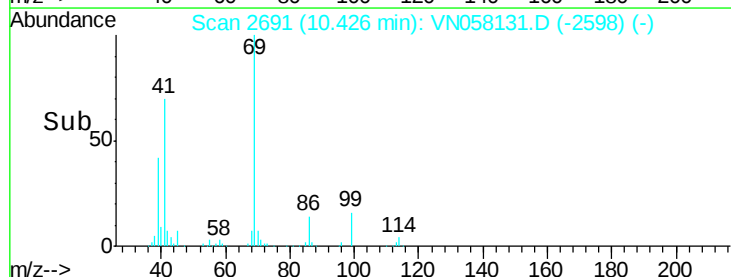
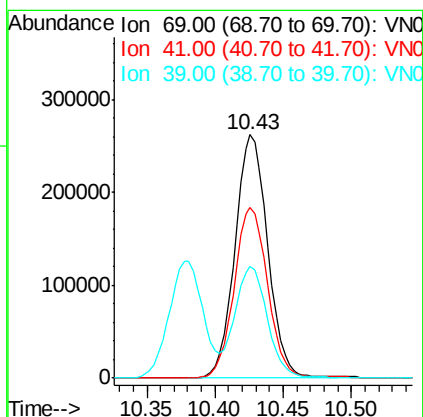
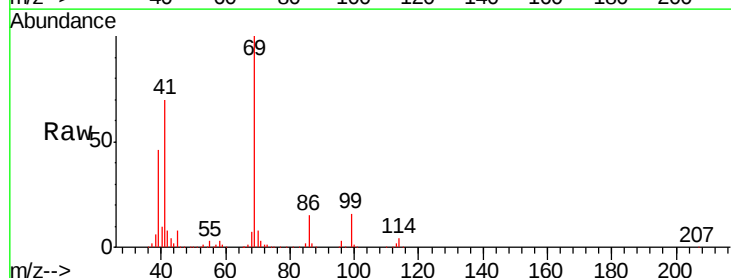
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	69	Resp:	435829
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.7	85.1
39	45.4	36.3	54.5





#57

1,3-Dichloropropane

Concen: 57.093 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion: 76 Resp: 488423

Ion Ratio Lower Upper

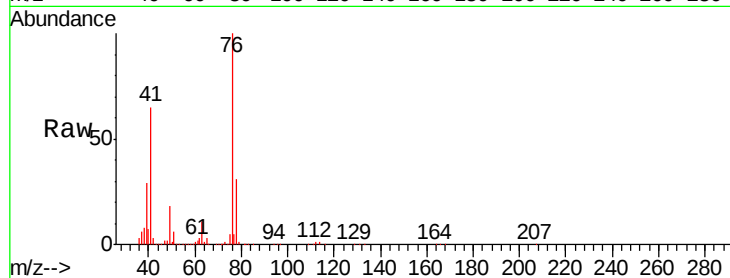
76 100

78 31.9 25.4 38.2

Manual Integrations
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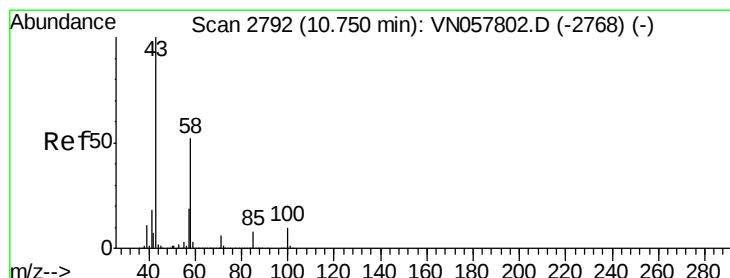
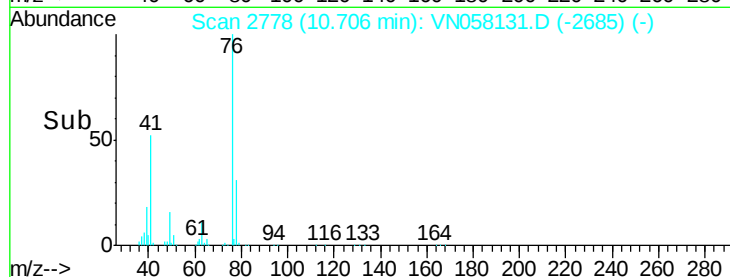
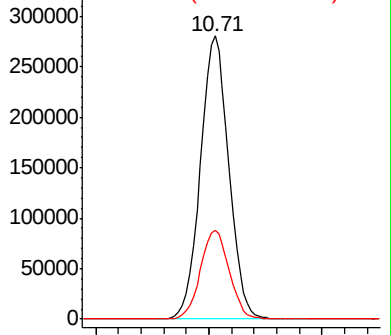
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 300.986 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058131.D

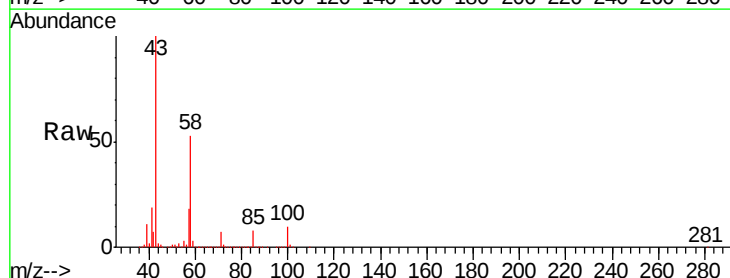
Acq: 16 Sep 2019 19:47

Tgt Ion: 43 Resp: 1433564

Ion Ratio Lower Upper

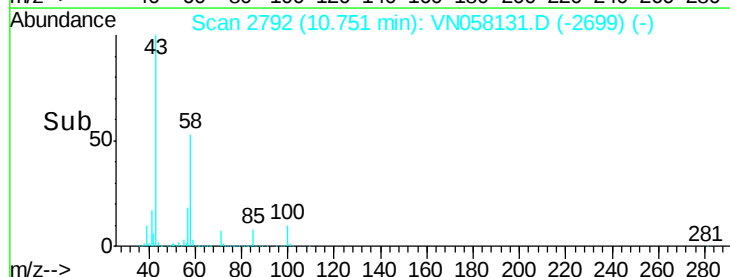
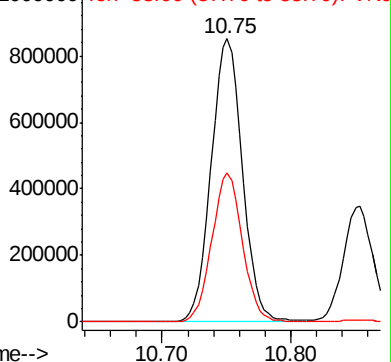
43 100

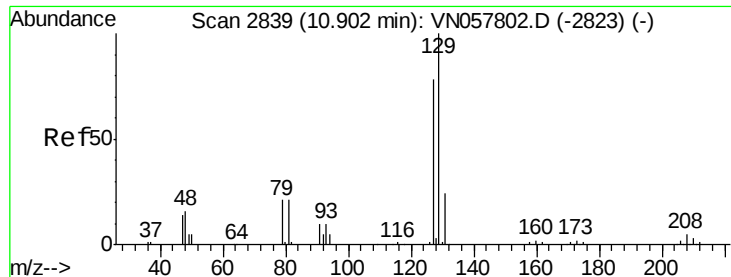
58 51.6 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 61.363 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion:129 Resp: 282861

Ion Ratio Lower Upper

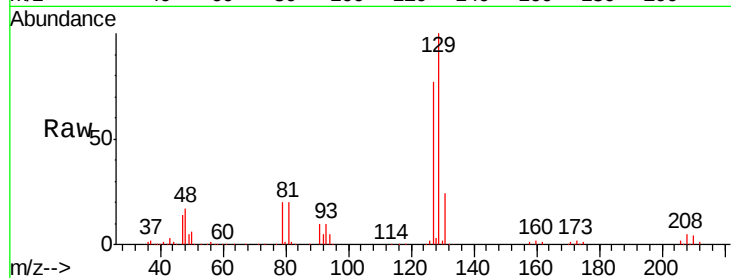
129 100

127 77.1 38.6 116.0

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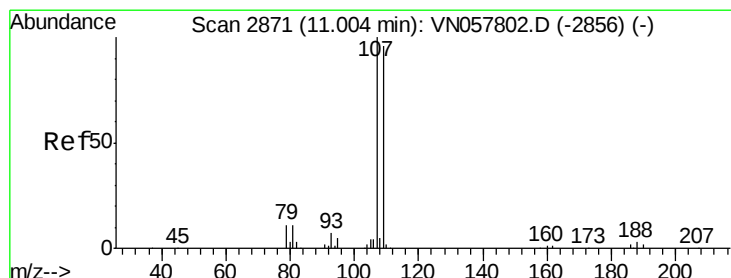
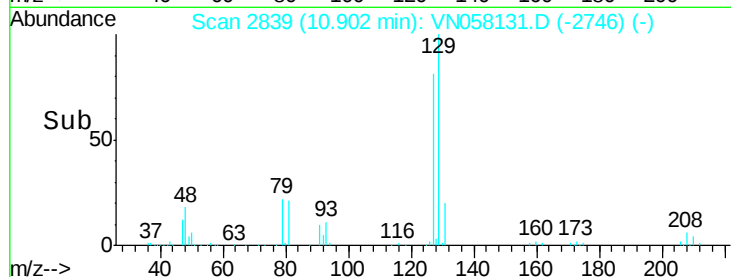
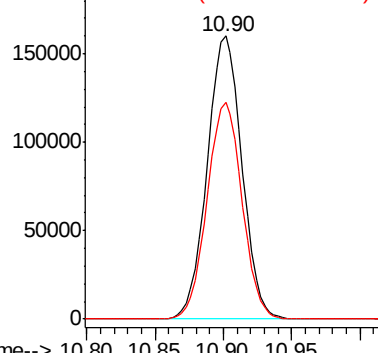
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 57.519 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058131.D

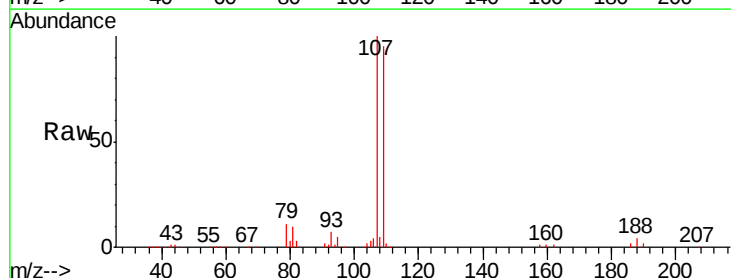
Acq: 16 Sep 2019 19:47

Tgt Ion:107 Resp: 269937

Ion Ratio Lower Upper

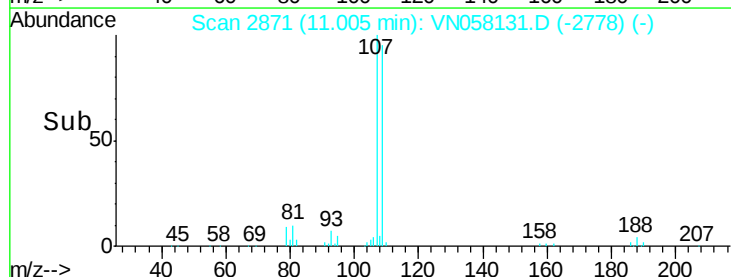
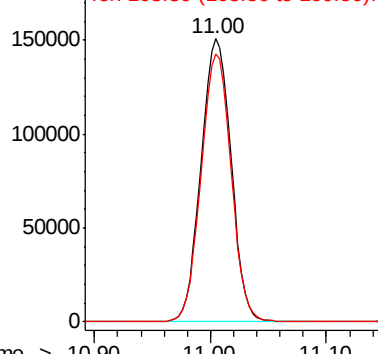
107 100

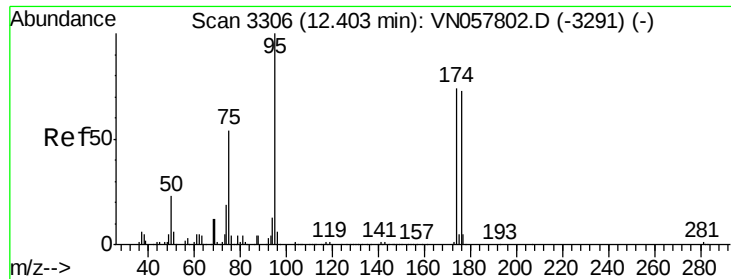
109 94.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





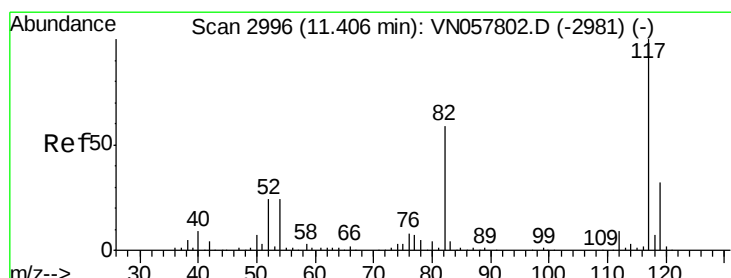
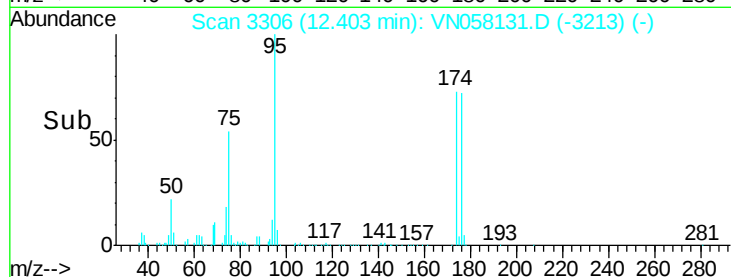
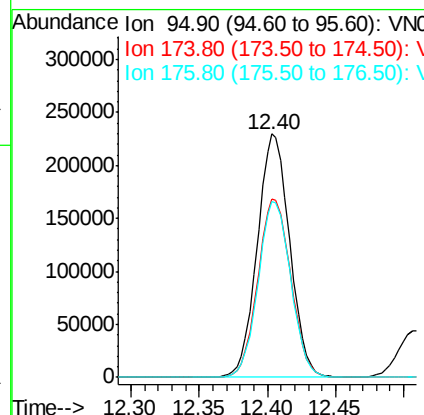
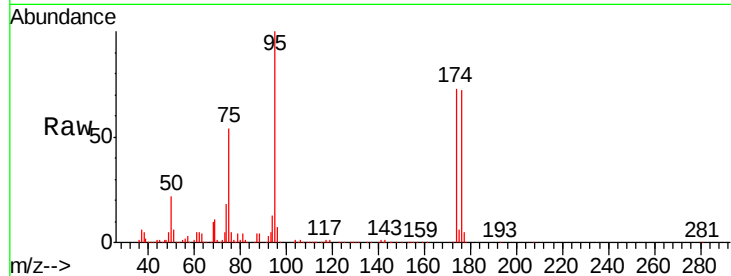
#62
4-Bromofluorobenzene
Concen: 51.720 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	376383		
174	75.2	0.0	150.2	
176	73.2	0.0	146.0	

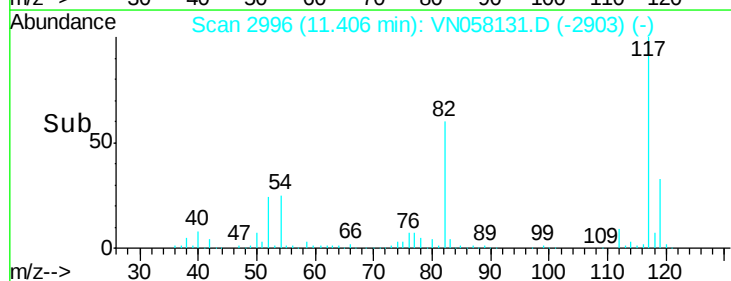
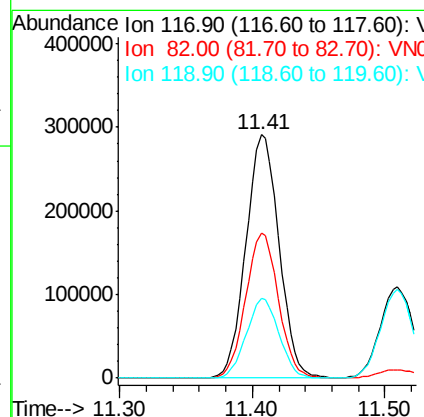
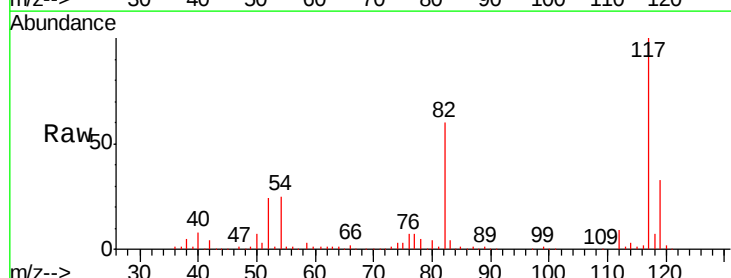
Manual Integrations
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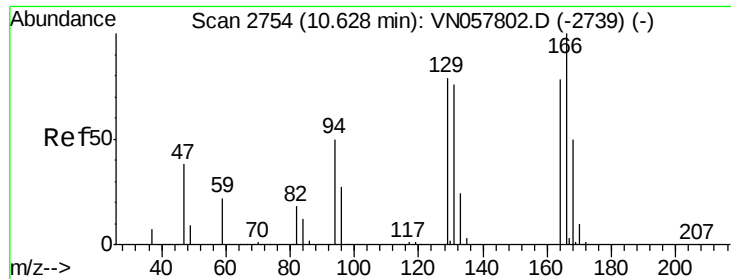
MMDadoda
9/18/2019 2:56:38 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	506403		
82	59.7	47.2	70.8	
119	32.6	25.3	37.9	





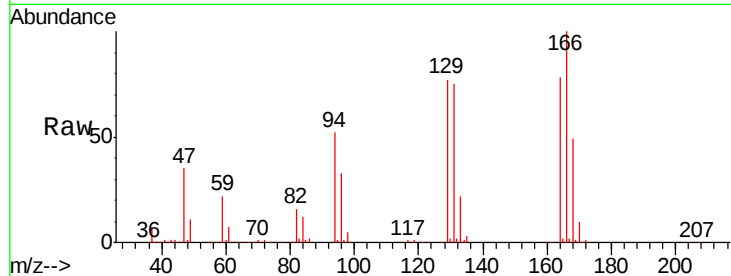
#64
Tetrachloroethene
Concen: 50.640 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.0	189345	102.2	153.2
129	98.7		80.8	121.2
131	96.5		77.4	116.2

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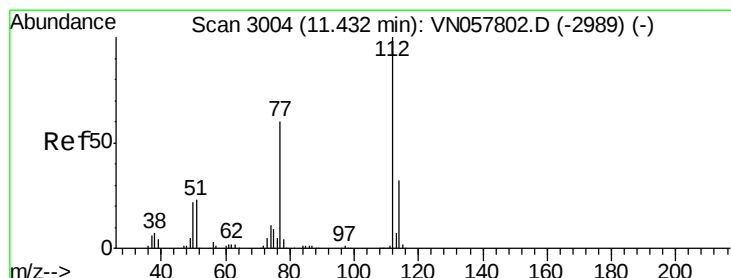
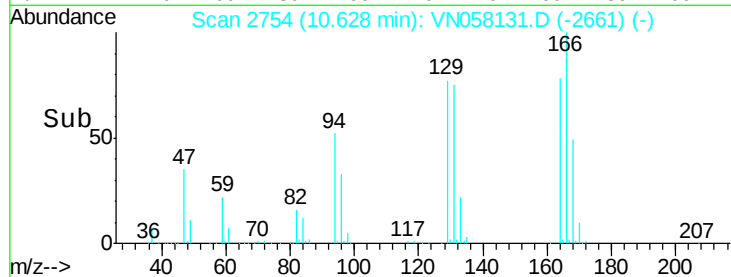
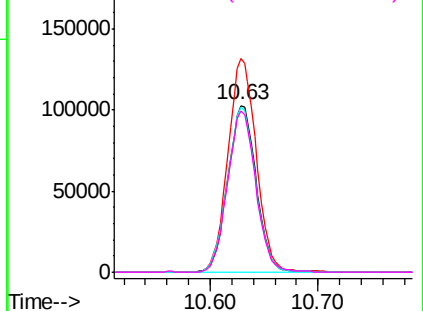
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

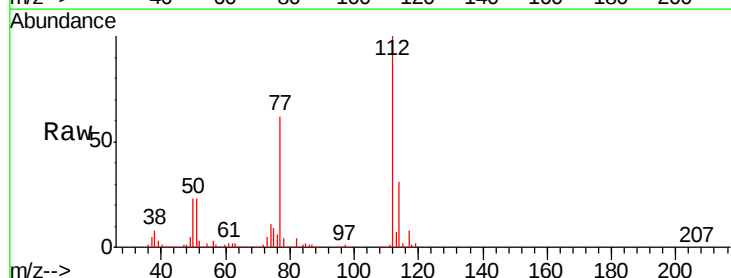
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 54.188 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

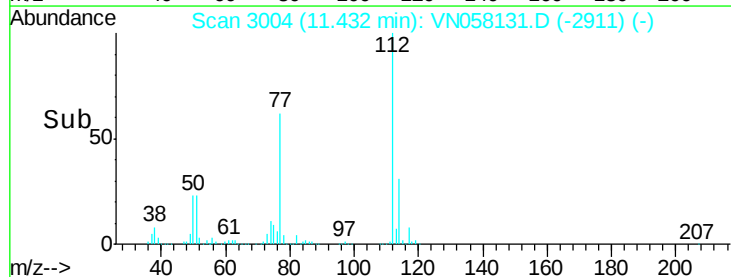
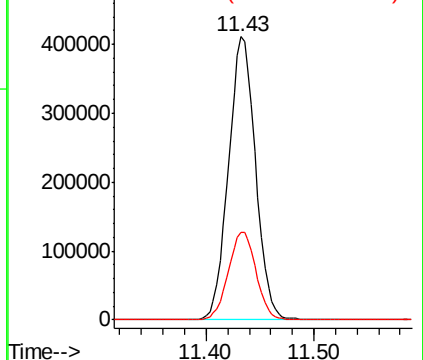
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	718148		
114	31.0		25.2	37.8

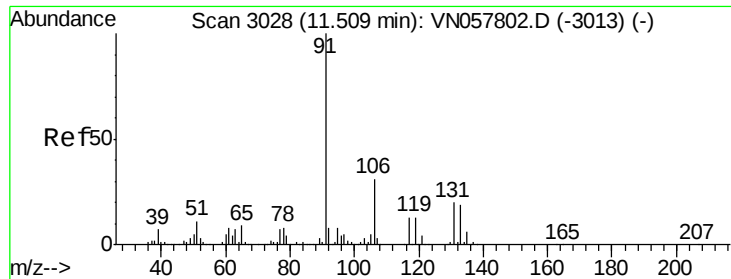


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





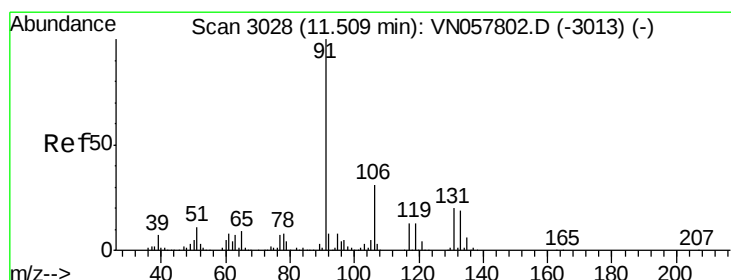
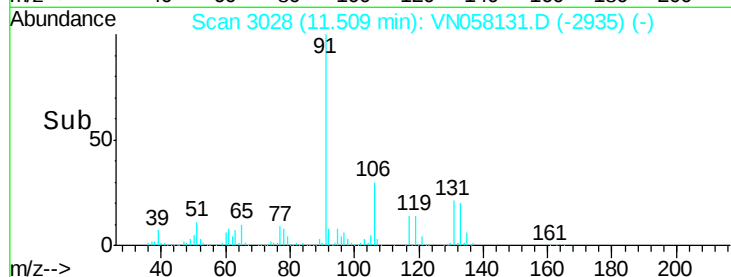
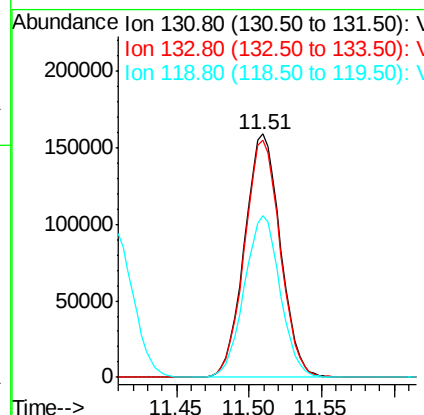
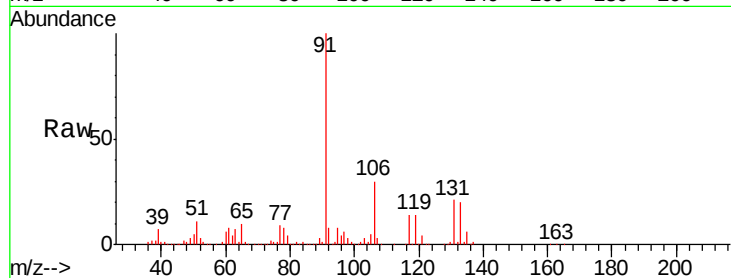
#66
 1,1,1,2-Tetrachloroethane
 Concen: 59.608 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.1	141.3
119	66.3	33.3	99.8

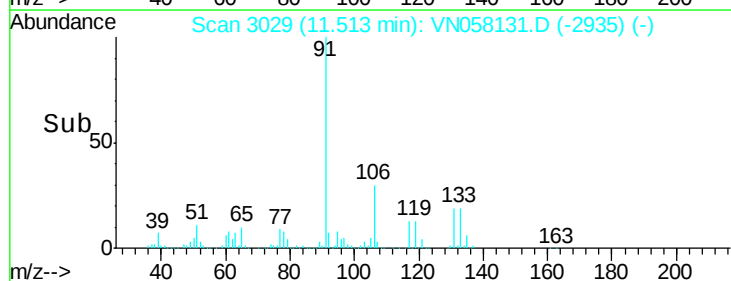
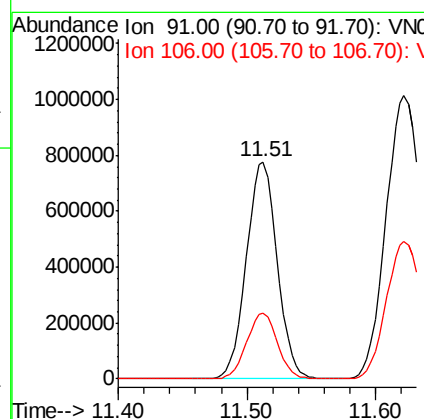
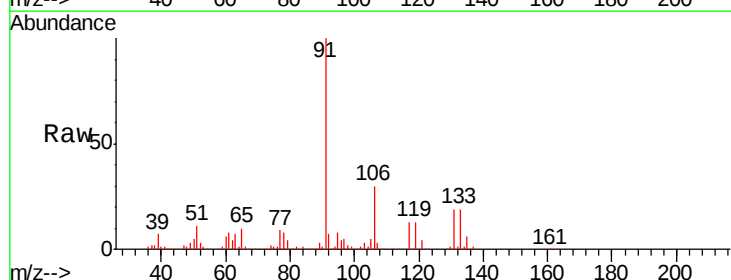
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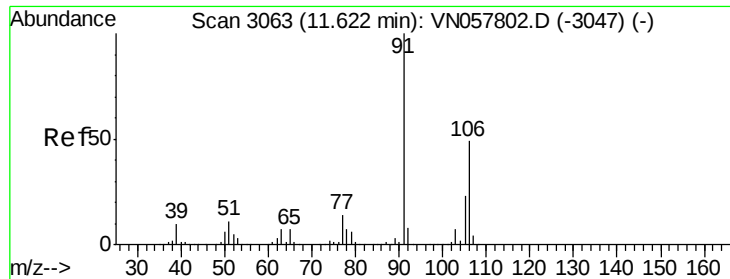
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#67
 Ethyl Benzene
 Concen: 55.629 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.4	36.6





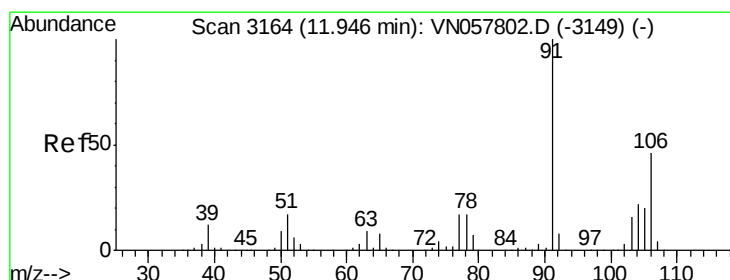
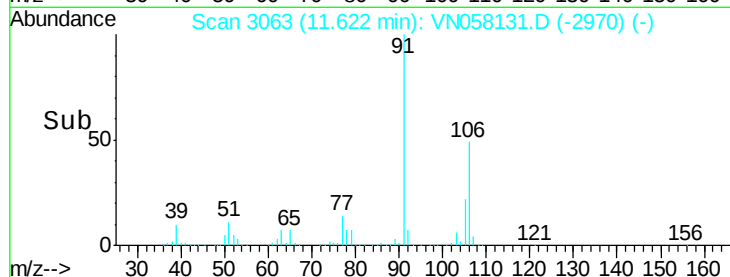
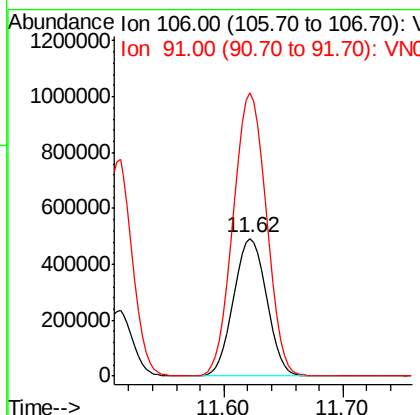
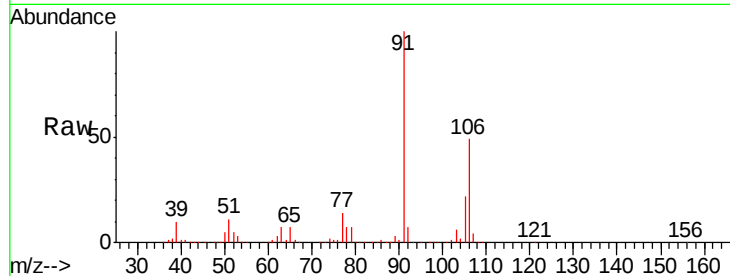
#68
m/p-Xylenes
Concen: 111.850 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tgt Ion:106 Resp: 951598
Ion Ratio Lower Upper
106 100
91 207.0 165.8 248.6

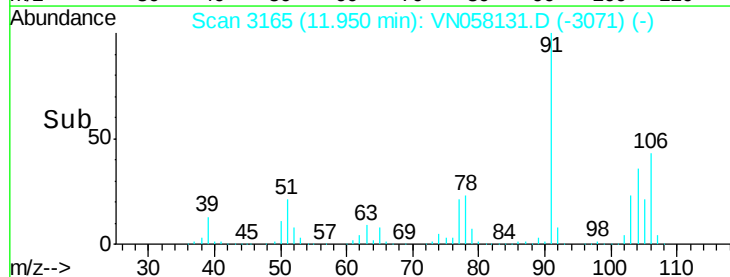
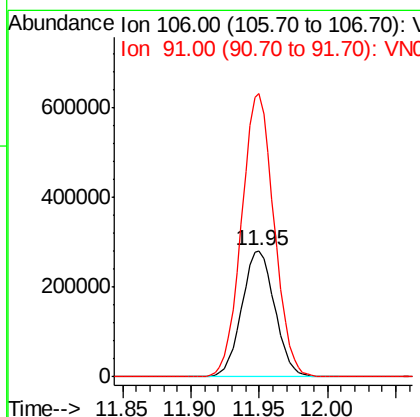
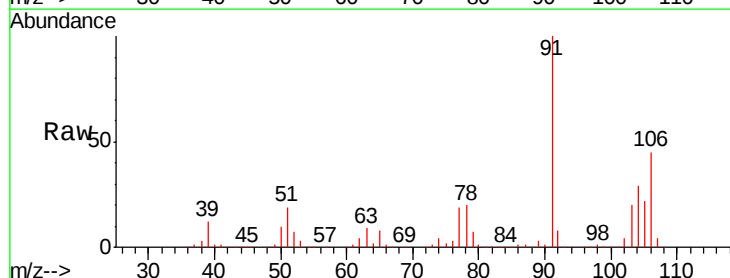
Manual Integrations
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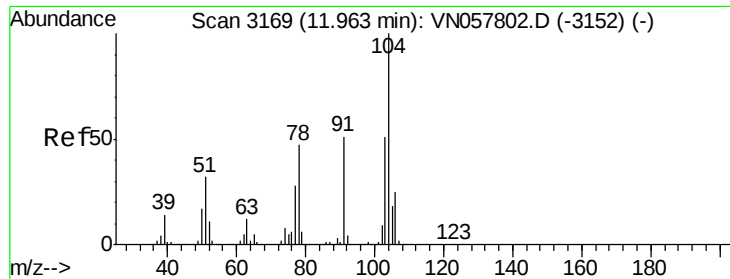
MMDadoda
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#69
o-Xylene
Concen: 55.749 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion:106 Resp: 471524
Ion Ratio Lower Upper
106 100
91 221.8 108.7 326.1





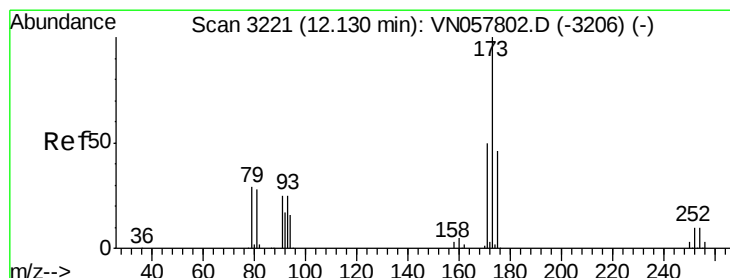
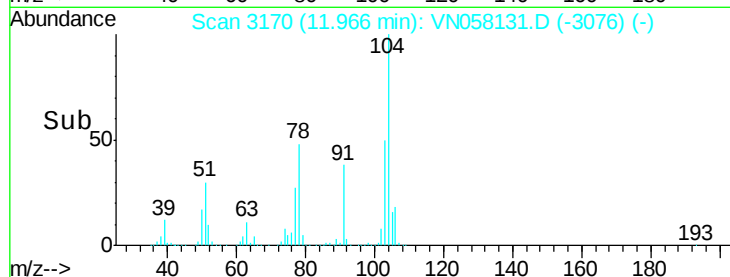
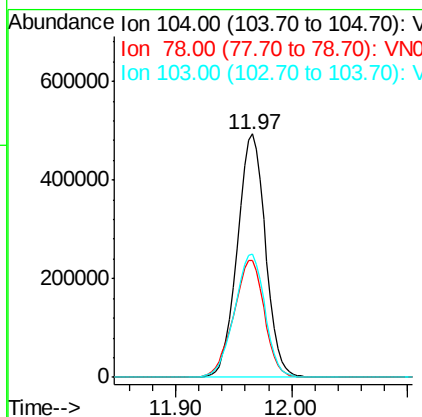
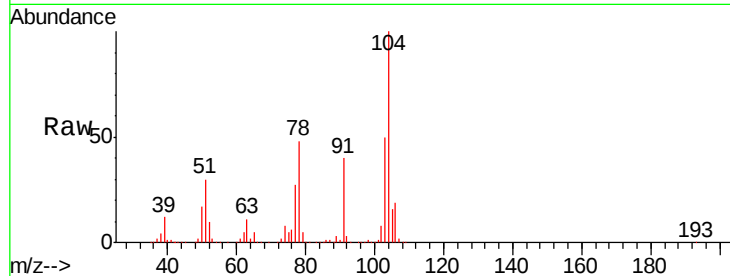
#70
Styrene
Concen: 56.930 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	828677		
78	52.8	41.3	61.9	
103	54.9	43.7	65.5	

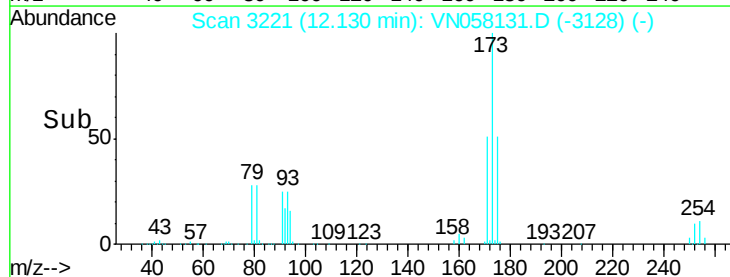
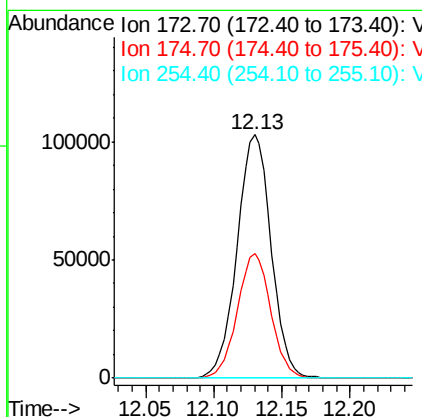
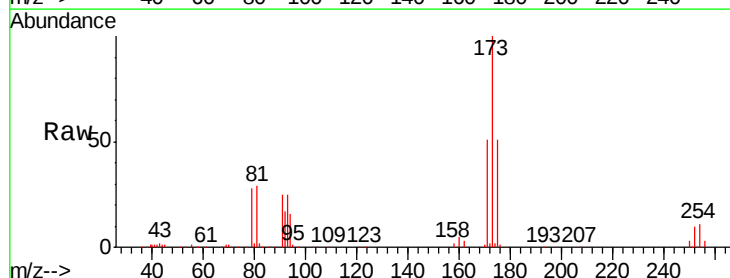
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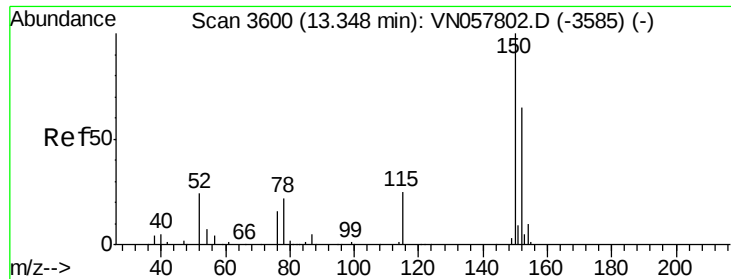
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#71
Bromoform
Concen: 62.114 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	178087		
175	50.1	23.5	70.6	
254	0.0	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

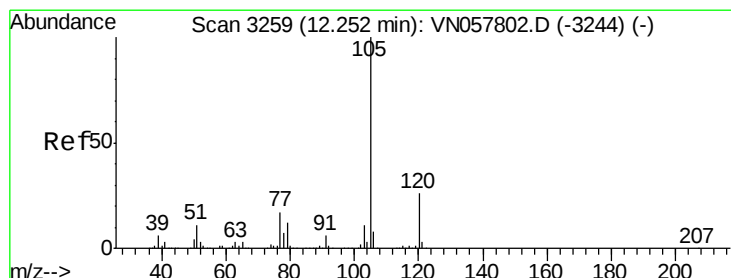
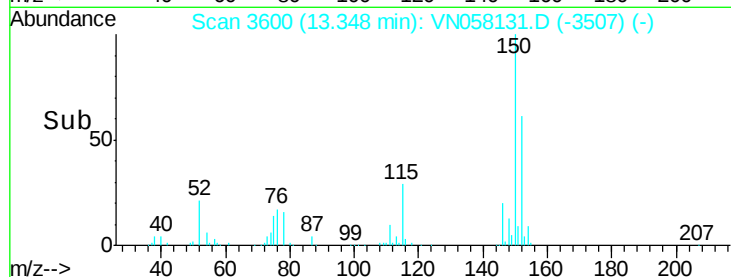
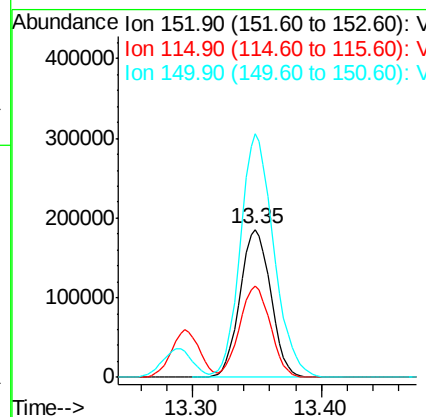
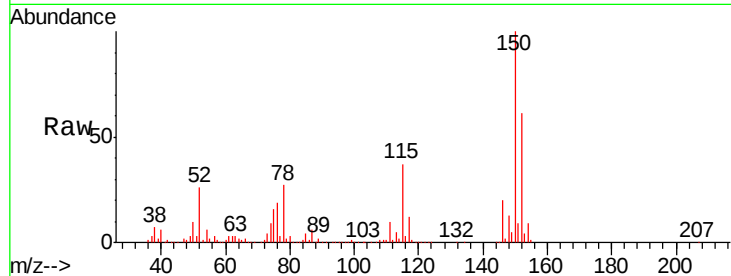
ClientSampleId :

VE-4-11MSD

Tgt Ion:	152	Resp:	307684
Ion Ratio	Lower	Upper	
152	100		
115	61.6	30.3	91.0
150	178.9	0.0	352.4

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#73

Isopropylbenzene

Concen: 55.301 ug/l

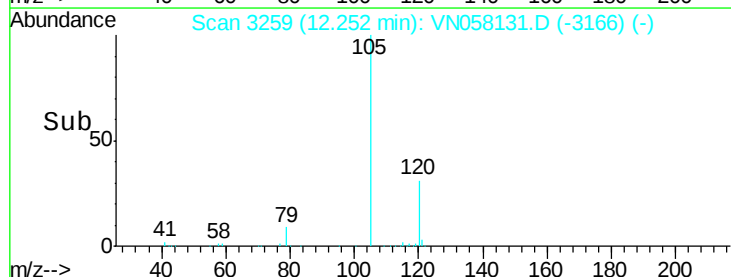
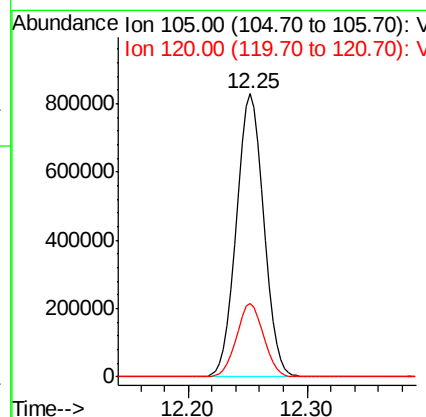
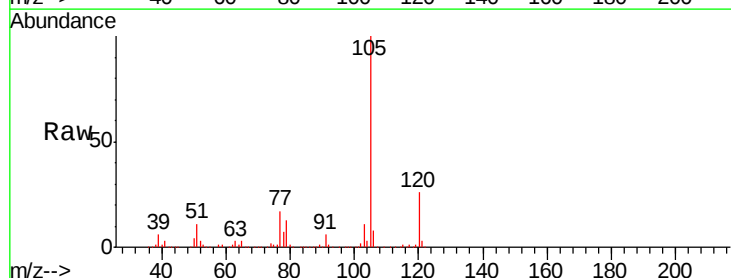
RT: 12.25 min Scan# 3259

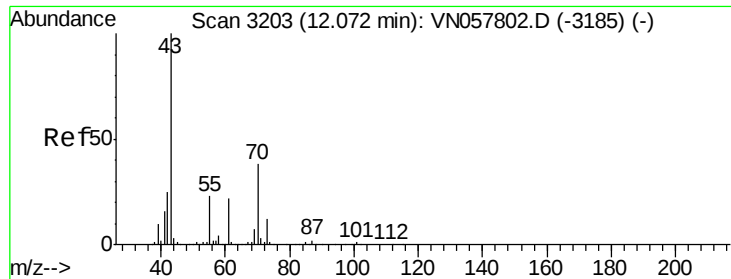
Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	105	Resp:	1320323
Ion Ratio	Lower	Upper	
105	100		
120	25.7	12.8	38.4





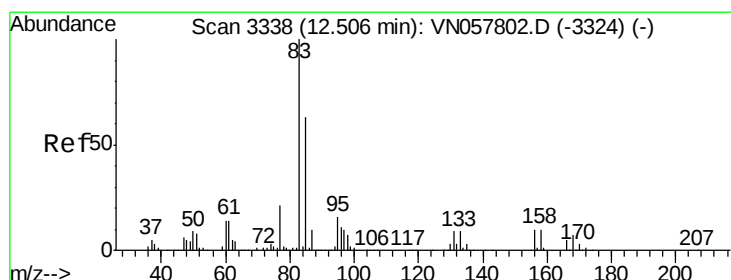
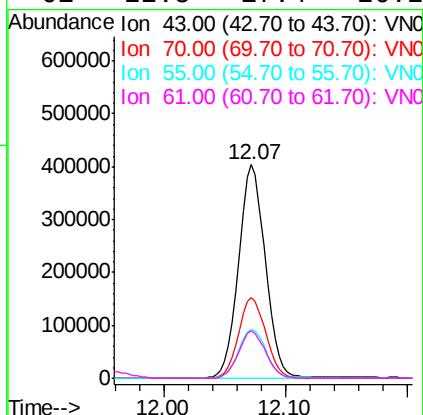
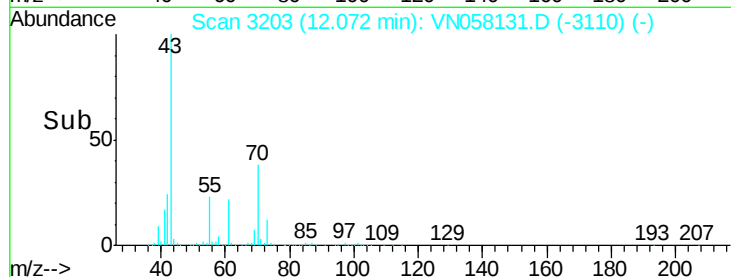
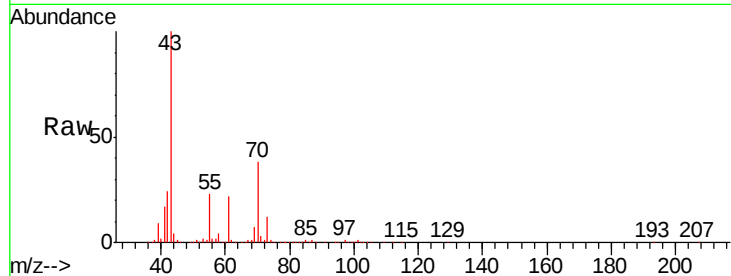
#74
N-ethyl acetate
Concen: 58.625 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
70	38.9	30.6	45.8	
55	23.9	18.6	27.8	
61	22.5	17.4	26.2	

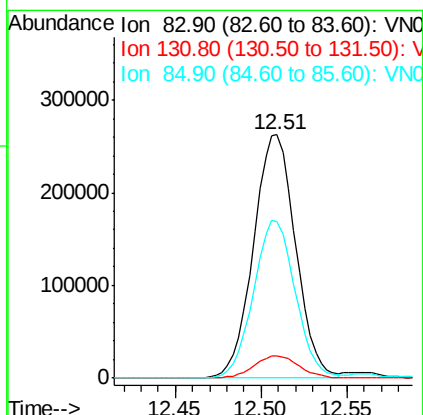
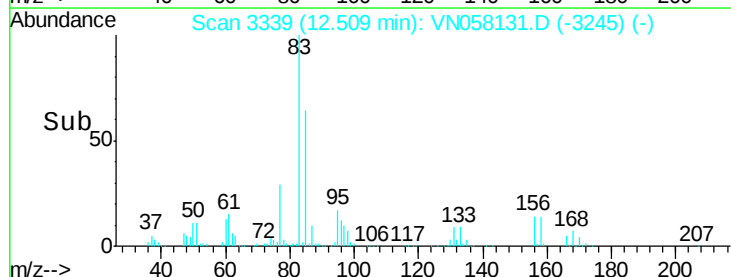
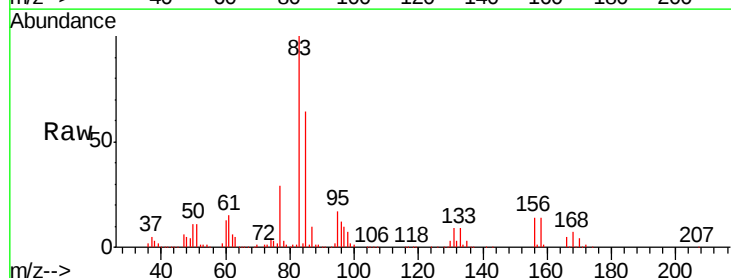
Manual Integrations
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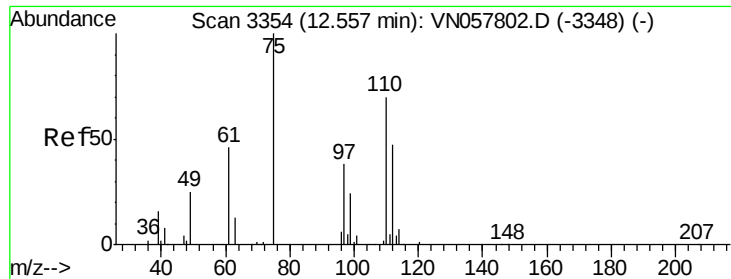
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#75
1,1,2,2-Tetrachloroethane
Concen: 55.433 ug/l
RT: 12.51 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	9.7	4.8	14.3	
85	64.2	31.6	94.7	





#76

1,2,3-Trichloropropane

Concen: 57.798 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion: 75 Resp: 402295

Ion Ratio Lower Upper

75 100

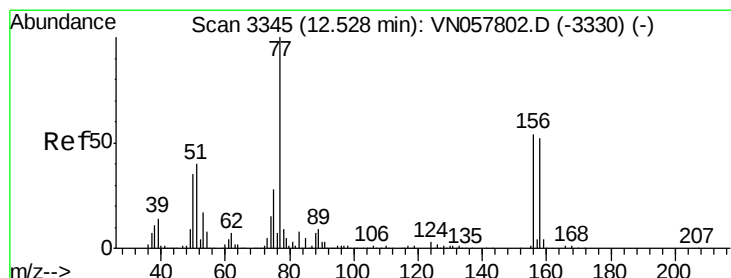
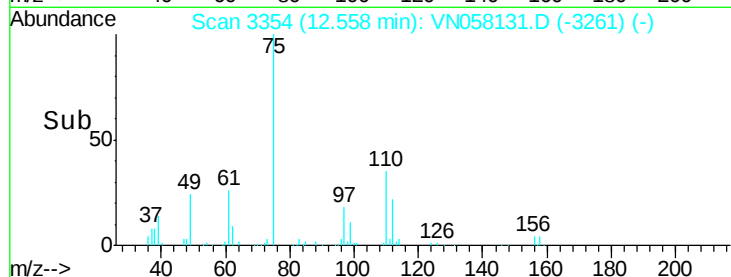
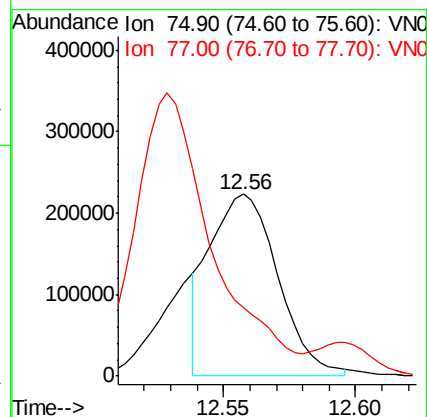
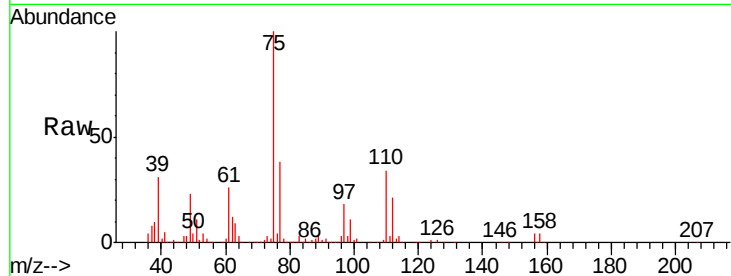
77 0.0 0.0 0.0

Manual Integrations

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#77

Bromobenzene

Concen: 53.142 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

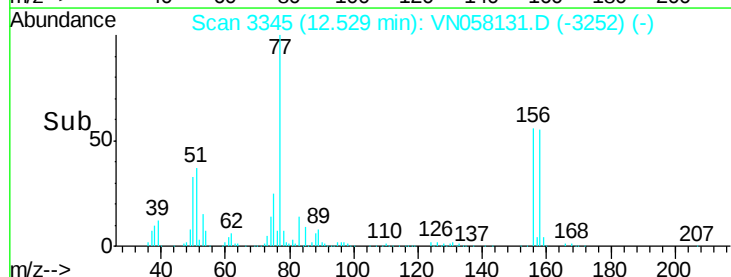
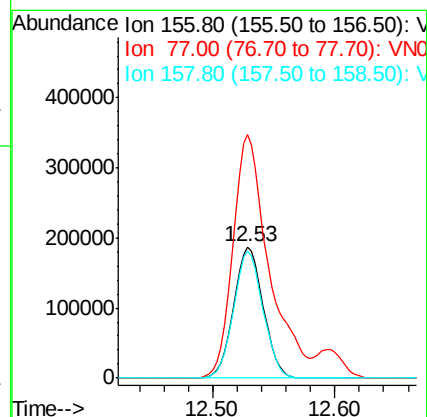
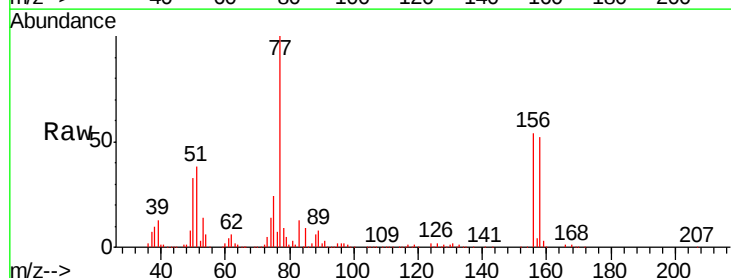
Tgt Ion: 156 Resp: 316333

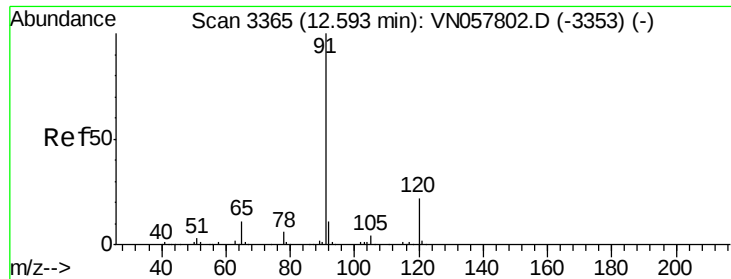
Ion Ratio Lower Upper

156 100

77 224.9 113.7 341.1

158 95.7 48.5 145.6





#78

n-propylbenzene

Concen: 56.574 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tgt Ion: 91 Resp: 1551049

Ion Ratio Lower Upper

91 100

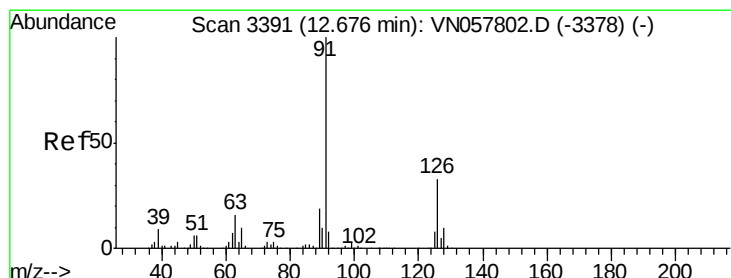
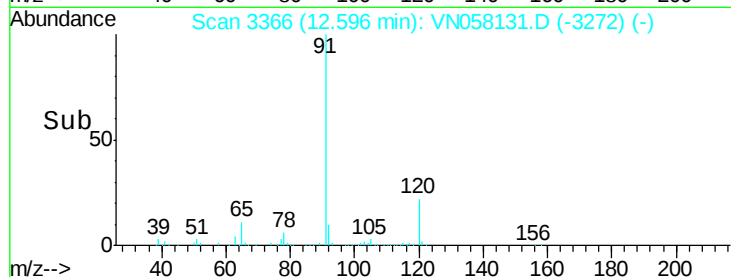
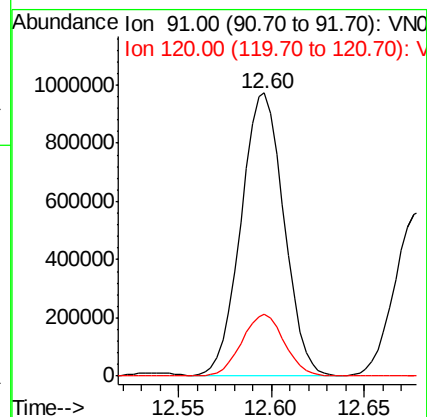
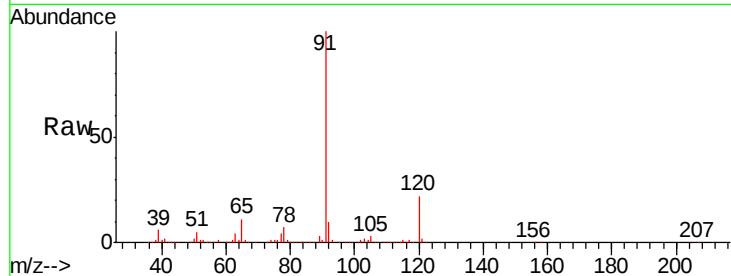
120 21.9 11.1 33.1

Manual Integrations

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#79

2-Chlorotoluene

Concen: 53.527 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058131.D

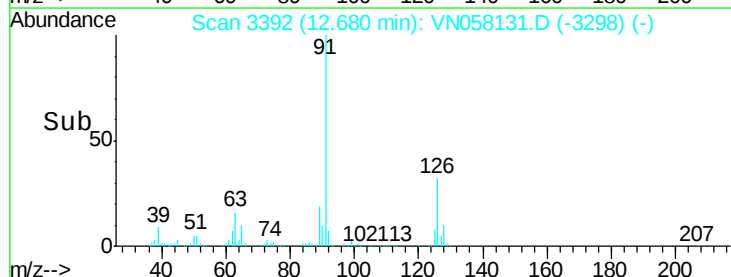
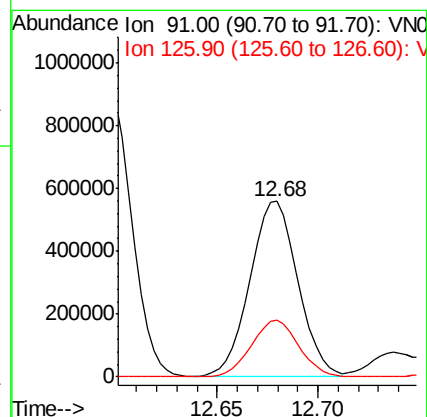
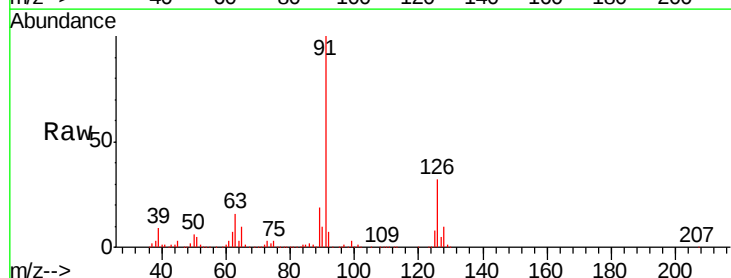
Acq: 16 Sep 2019 19:47

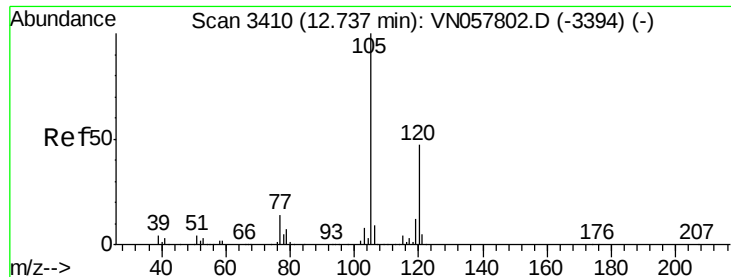
Tgt Ion: 91 Resp: 927505

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.2





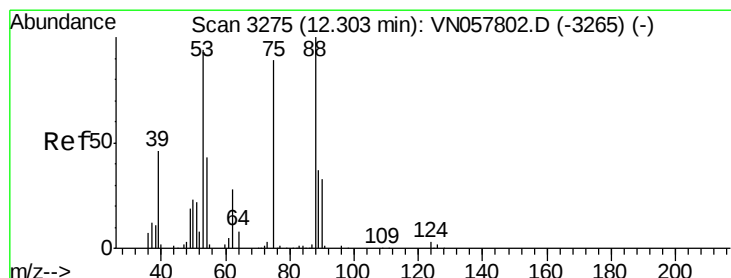
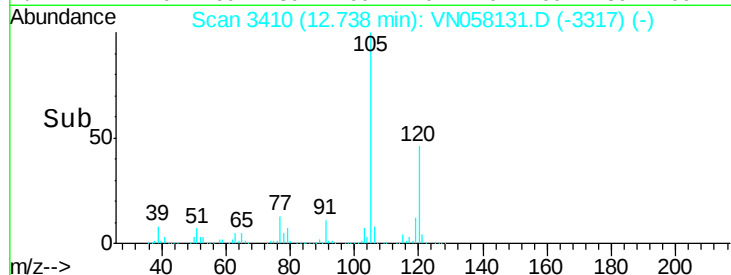
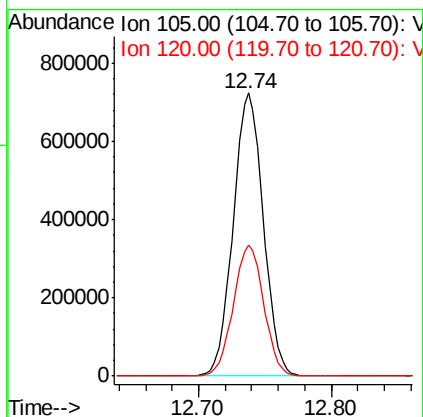
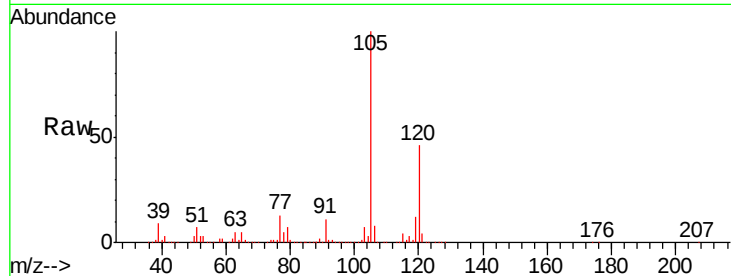
#80
 1,3,5-Trimethylbenzene
 Concen: 56.382 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion: 105 Resp: 1137406
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1

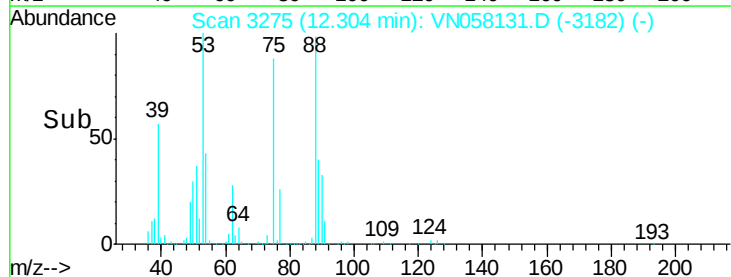
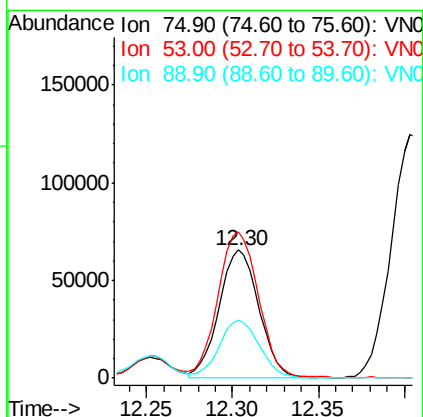
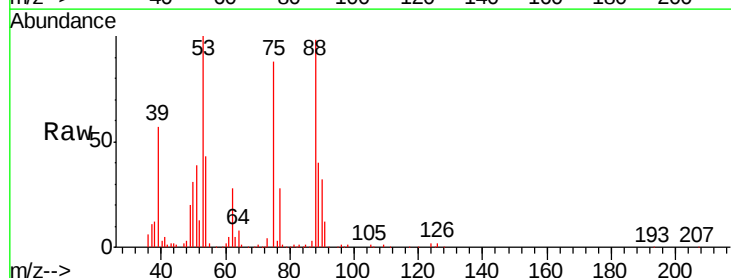
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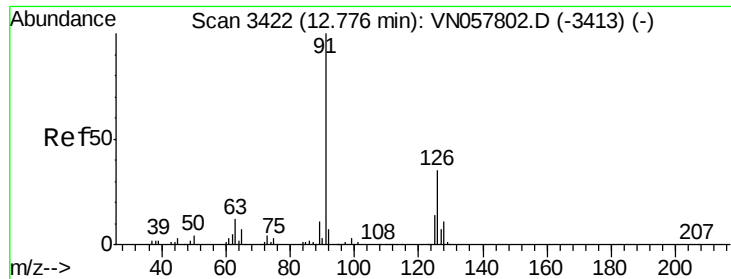
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.175 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion: 75 Resp: 105177
 Ion Ratio Lower Upper
 75 100
 53 115.5 88.4 132.6
 89 46.4 35.3 52.9





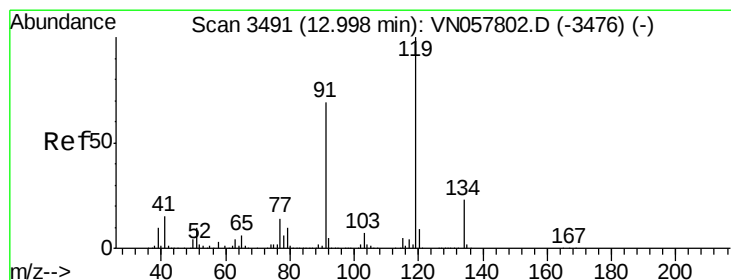
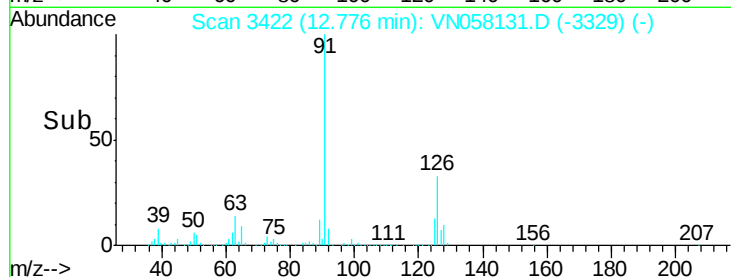
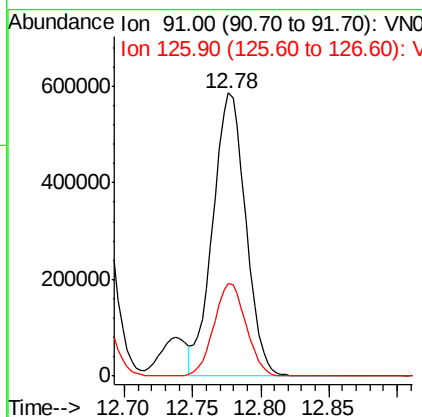
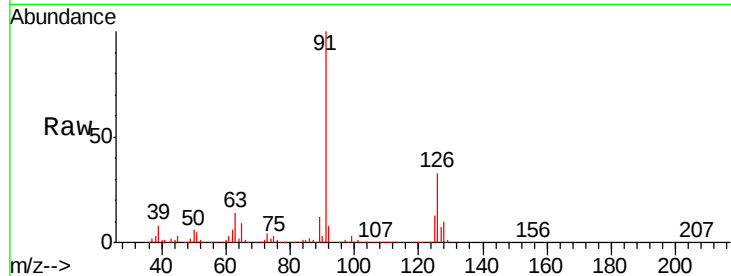
#82
4-Chlorotoluene
Concen: 54.929 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tgt Ion: 91 Resp: 977439
Ion Ratio Lower Upper
91 100
126 32.1 16.0 48.0

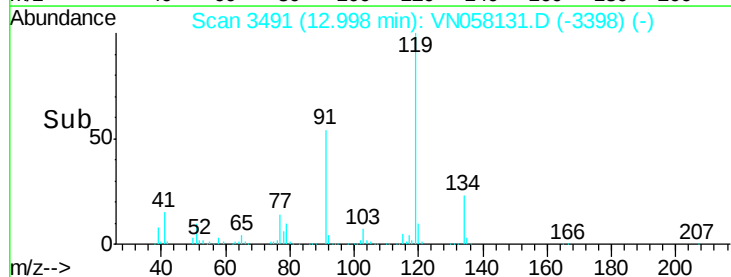
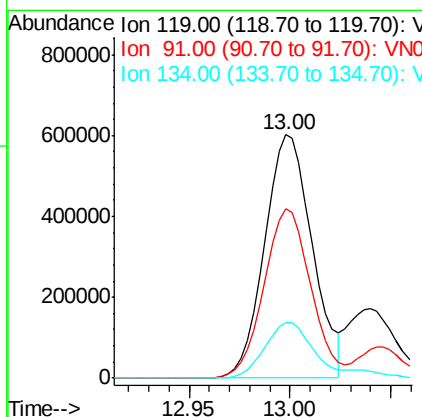
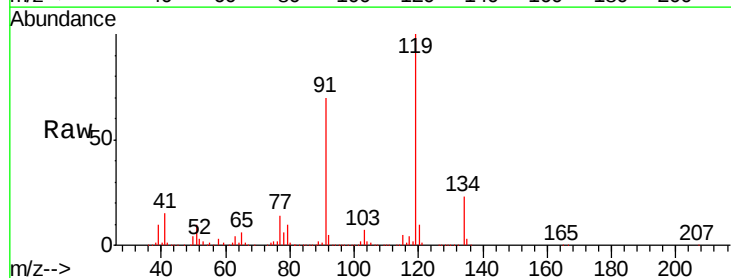
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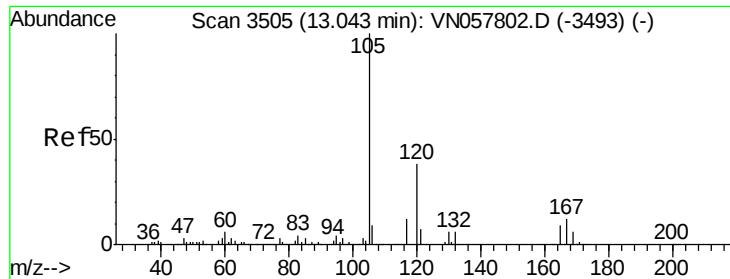
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#83
tert-Butylbenzene
Concen: 55.123 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058131.D
Acq: 16 Sep 2019 19:47

Tgt Ion: 119 Resp: 988476
Ion Ratio Lower Upper
119 100
91 67.9 33.6 100.8
134 23.0 11.7 35.0





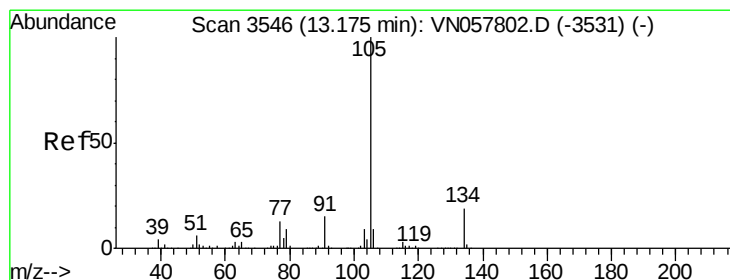
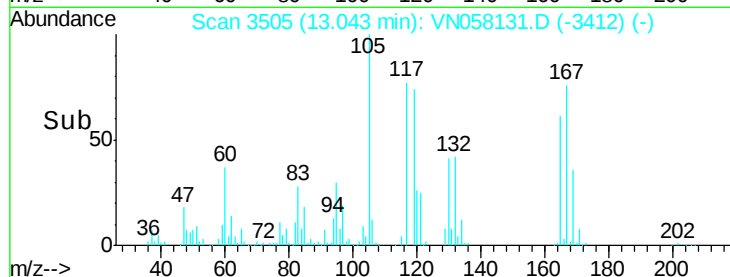
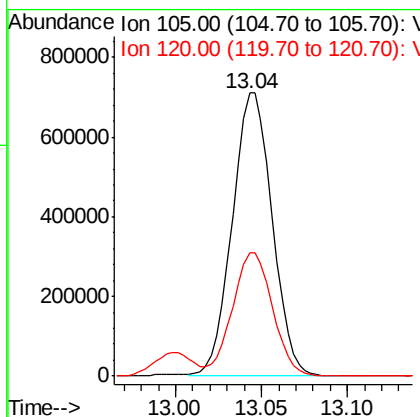
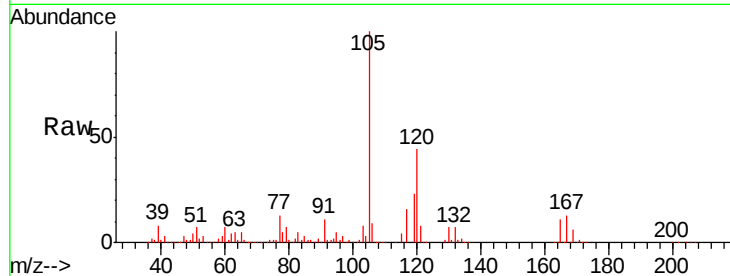
#84
 1,2,4-Trimethylbenzene
 Concen: 55.693 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion:105 Resp: 1141877
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.2

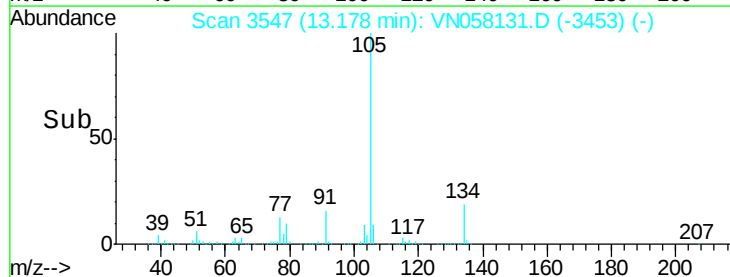
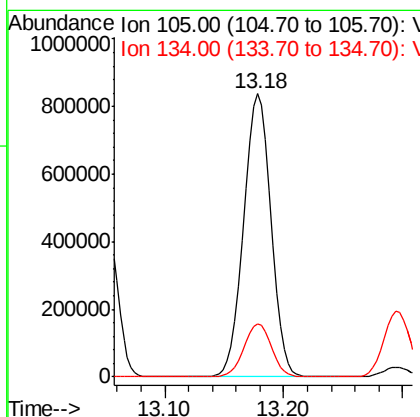
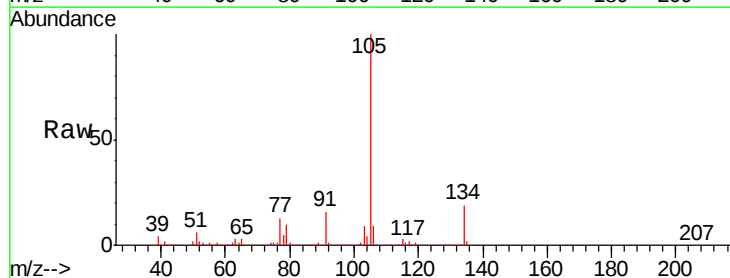
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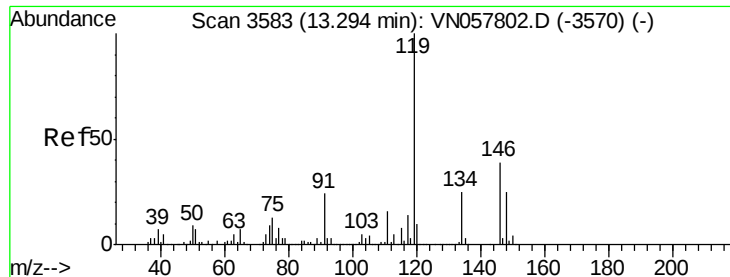
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 55.947 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion:105 Resp: 1329725
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.6 28.6





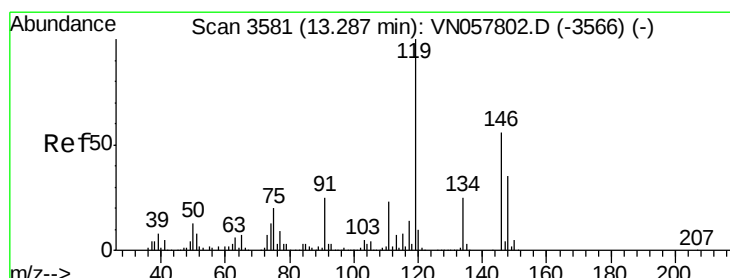
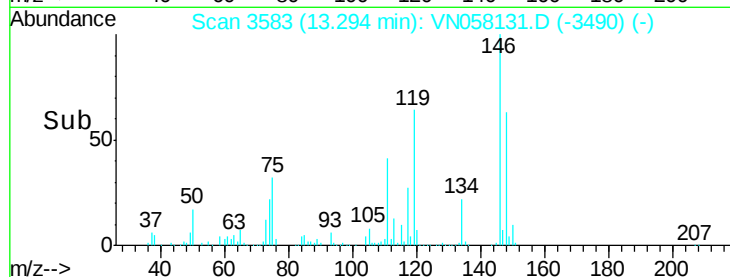
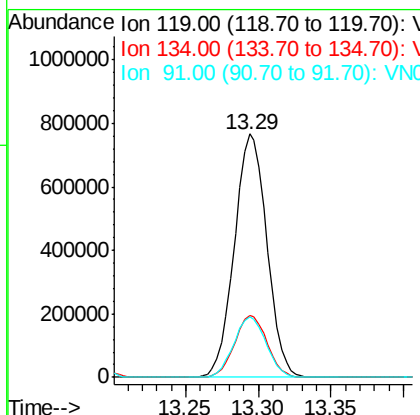
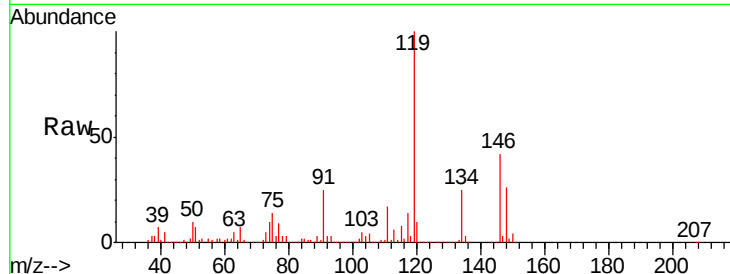
#86
 p-Isopropyltoluene
 Concen: 56.743 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.5	37.5
91	24.7	12.3	36.8

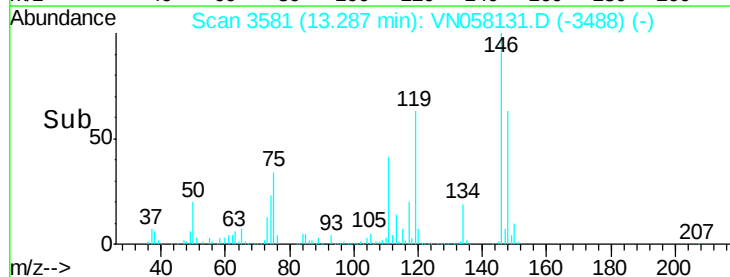
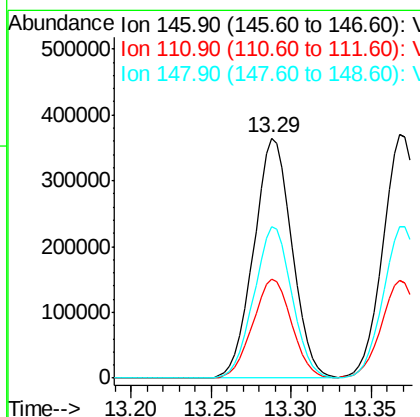
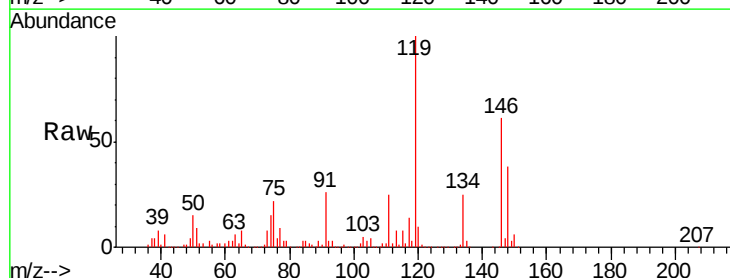
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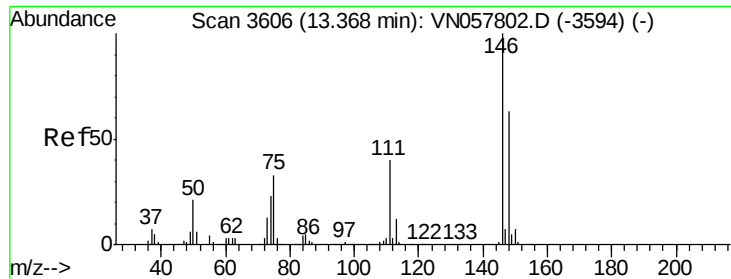
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#87
 1,3-Dichlorobenzene
 Concen: 54.790 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	62.7	31.5	94.5





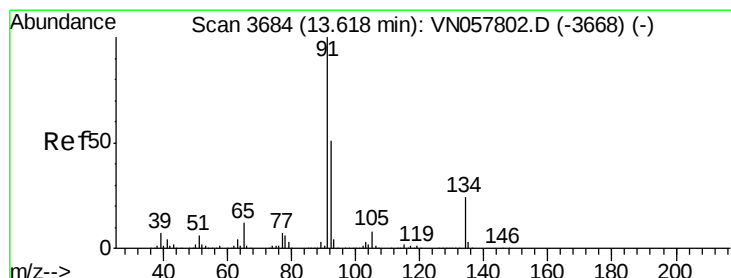
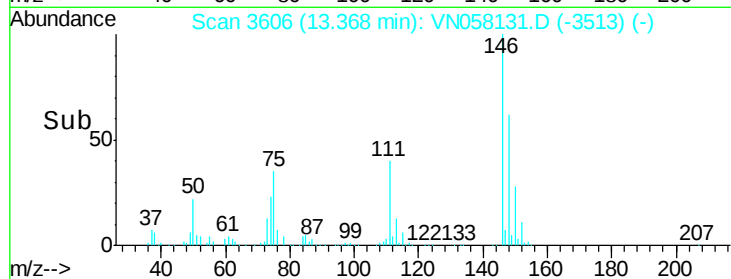
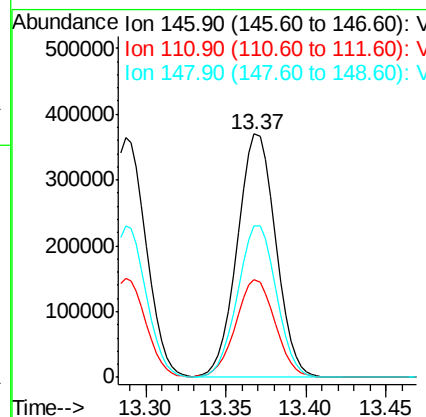
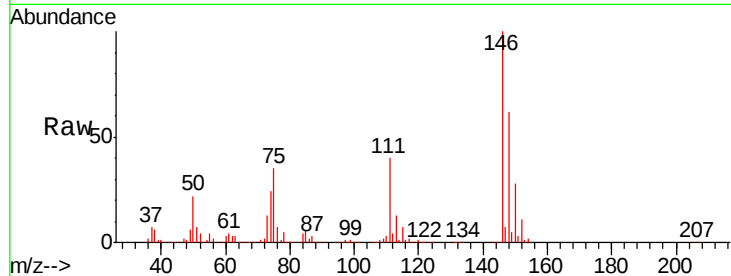
#88
 1,4-Dichlorobenzene
 Concen: 54.420 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.2
148	63.0	31.8	95.4

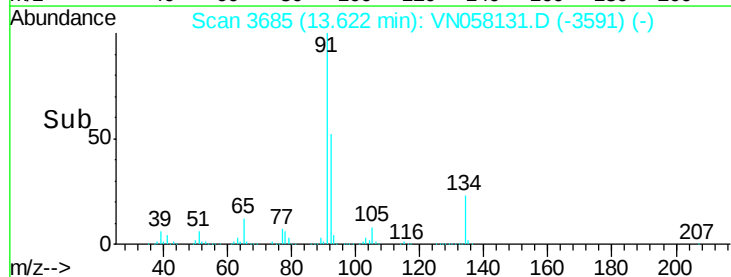
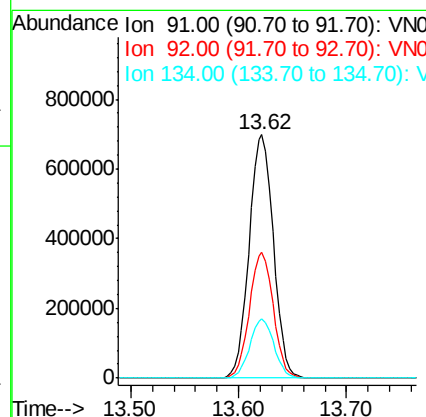
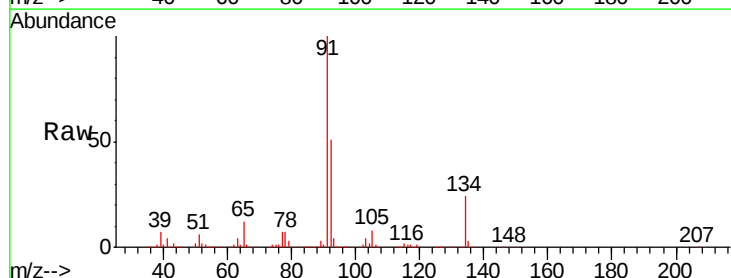
Manual Integrations
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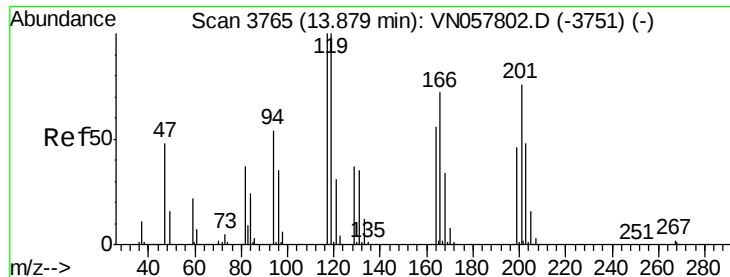
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#89
 n-Butylbenzene
 Concen: 55.230 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.7	77.0
134	24.1	11.9	35.7





#90

Hexachloroethane

Concen: 58.876 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tgt Ion:117 Resp: 183367

Ion Ratio Lower Upper

117 100

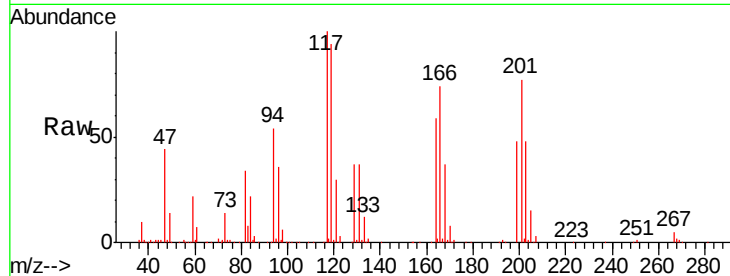
201 76.5 37.5 112.7

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

120000

100000

80000

60000

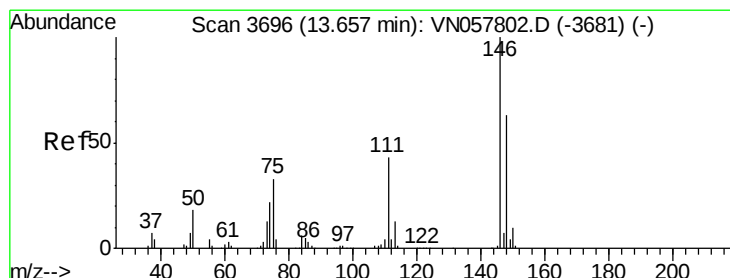
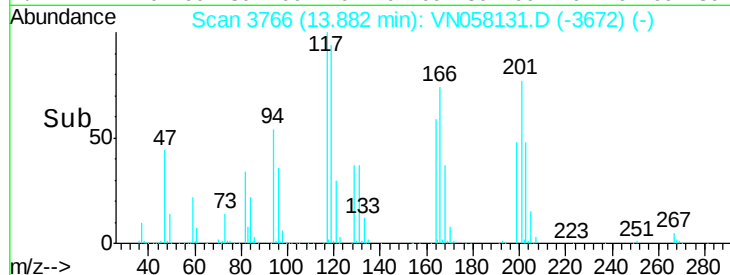
40000

20000

0

13.80 13.85 13.90 13.95

Time-->



#91

1,2-Dichlorobenzene

Concen: 55.974 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

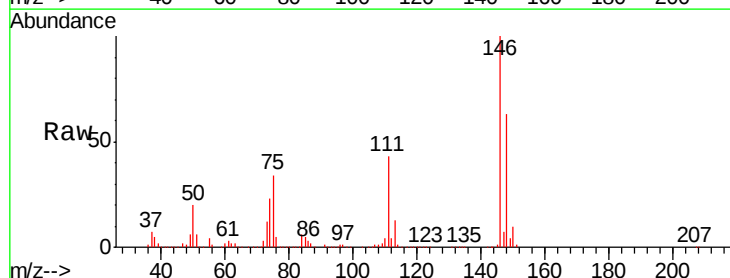
Tgt Ion:146 Resp: 610991

Ion Ratio Lower Upper

146 100

111 42.9 21.3 63.9

148 62.8 31.4 94.3



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

500000

400000

300000

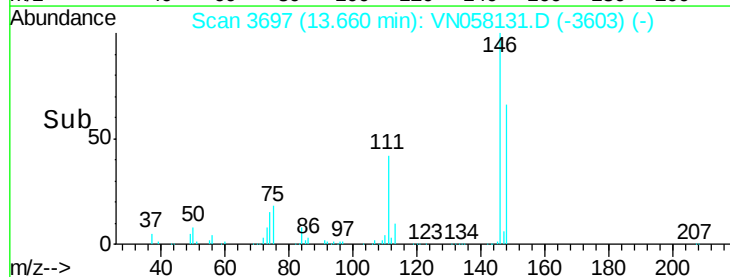
200000

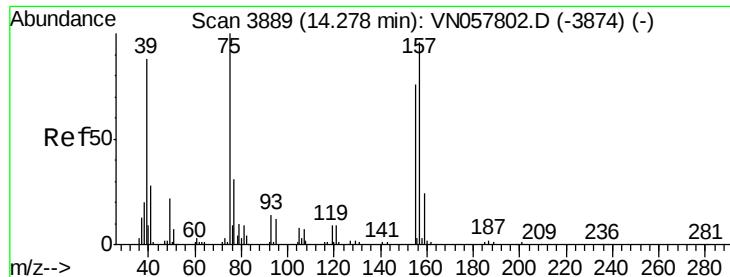
100000

0

13.60 13.65 13.70 13.75

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 65.549 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

ClientSampleId :

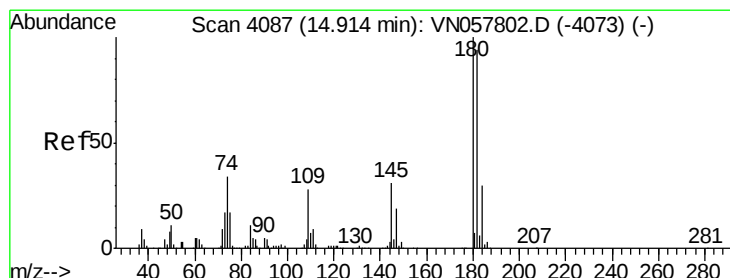
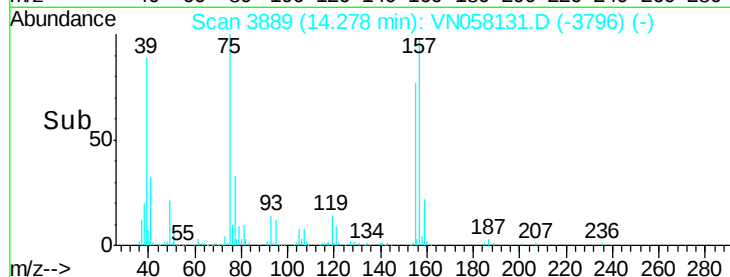
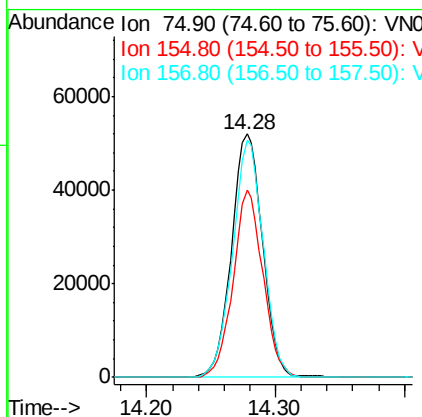
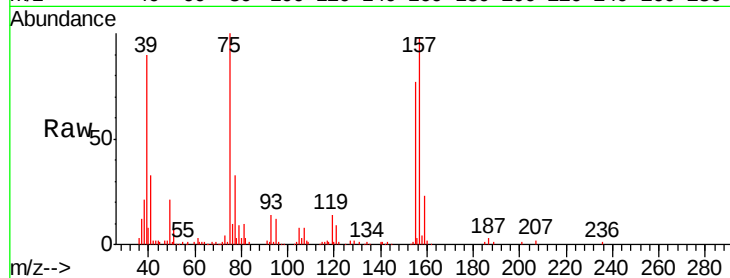
VE-4-11MSD

Tgt Ion: 75 Resp: 87021

Ion	Ratio	Lower	Upper
75	100		
155	73.4	37.3	111.8
157	95.7	47.9	143.8

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#93

1,2,4-Trichlorobenzene

Concen: 55.422 ug/l

RT: 14.92 min Scan# 4088

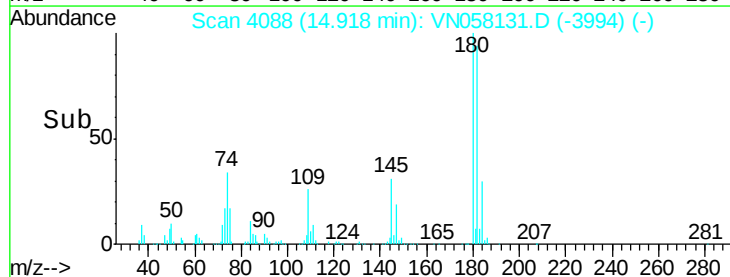
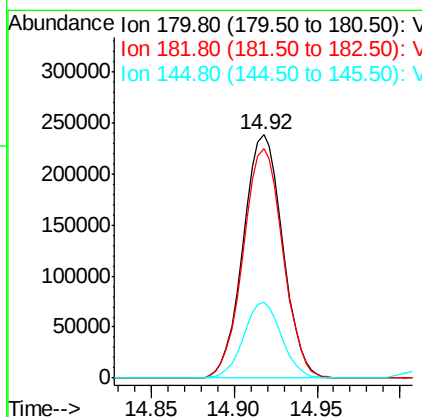
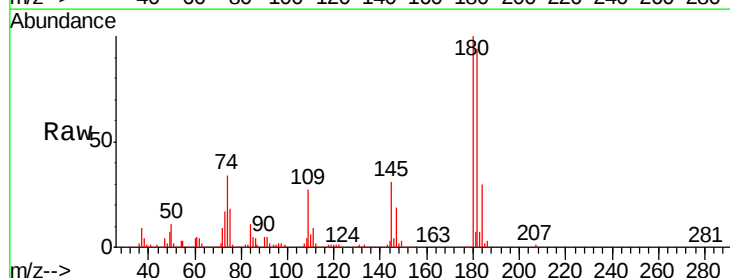
Delta R.T. 0.00 min

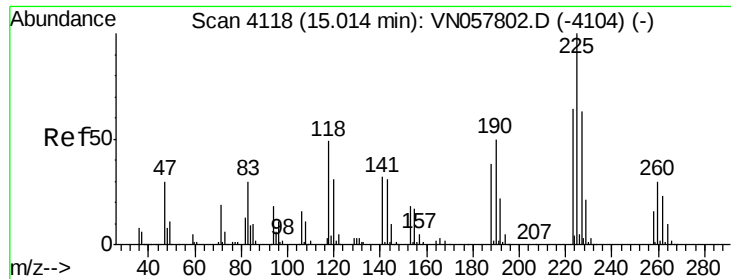
Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion: 180 Resp: 395416

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.8
145	30.1	14.9	44.7





#94

Hexachlorobutadiene

Concen: 52.806 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Instrument :

MSVOA_N

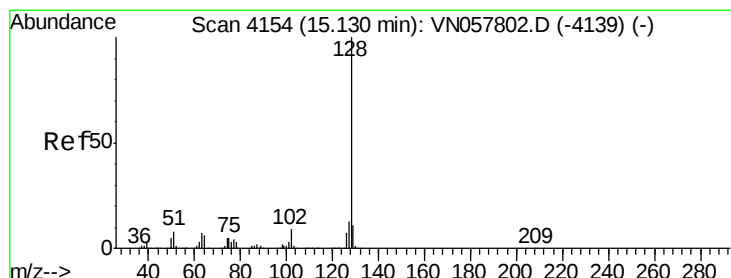
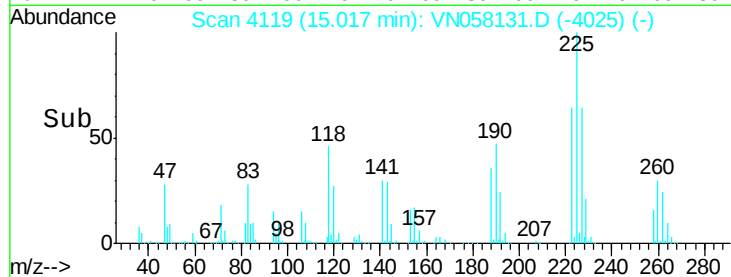
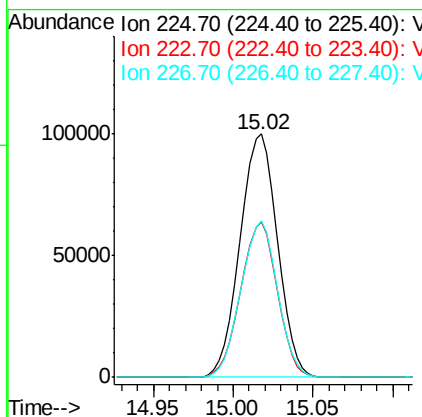
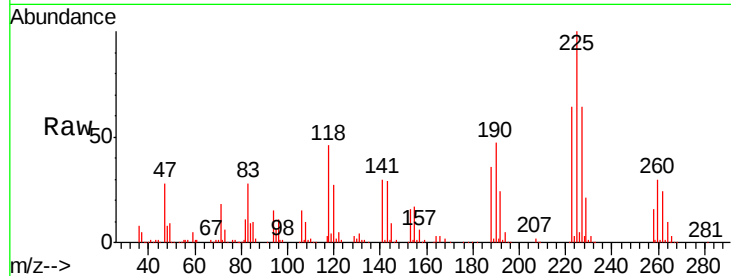
ClientSampled :

VE-4-11MSD

Tgt Ion:	225	Resp:	159707
Ion Ratio		Lower	Upper
225	100		
223	62.5	32.4	97.2
227	62.9	31.8	95.4

Manual Integrations
APPROVED

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9/18/2019 2:56:38 PM



#95

Naphthalene

Concen: 66.086 ug/l

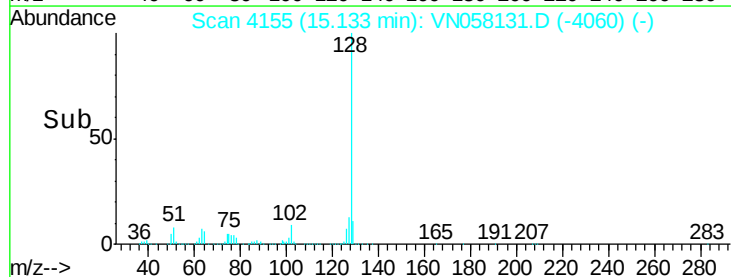
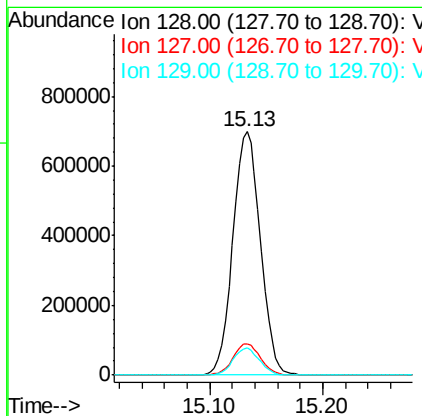
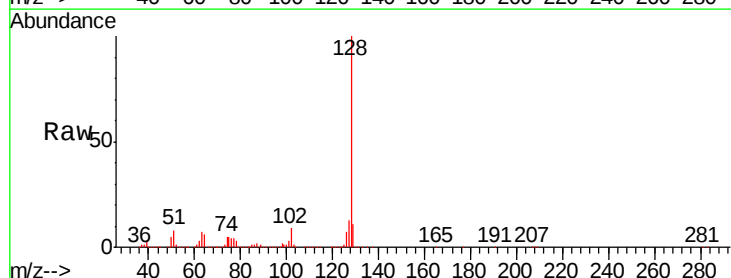
RT: 15.13 min Scan# 4155

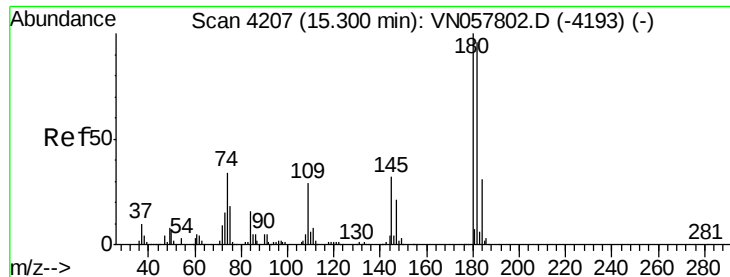
Delta R.T. 0.00 min

Lab File: VN058131.D

Acq: 16 Sep 2019 19:47

Tgt Ion:	128	Resp:	1181236
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 59.983 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058131.D
 Acq: 16 Sep 2019 19:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	374873		
182	96.6	48.3	144.8	
145	32.7	16.3	48.8	

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:38 PM

