

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063148.D
 Acq On : 31 Aug 2020 13:21
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:06 AM

Quant Time: Sep 01 03:08:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	397417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	766443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	679543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	289918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	34284	5.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.88%	
35) Dibromofluoromethane	7.55	113	25171	4.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.12%	
50) Toluene-d8	10.06	98	97603	4.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.62%	
62) 4-Bromofluorobenzene	12.38	95	31461	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21364	4.966	ug/l	94
3) Chloromethane	2.03	50	32608	5.873	ug/l	90
4) Vinyl Chloride	2.17	62	36159	6.037	ug/l	97
5) Bromomethane	2.53	94	28865	7.004	ug/l	88
6) Chloroethane	2.68	64	29092	7.047	ug/l	91
7) Trichlorofluoromethane	2.98	101	60788	7.306	ug/l	94
8) Diethyl Ether	3.37	74	15124	5.315	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24412	4.965	ug/l #	87
10) Methyl Iodide	3.91	142	28090	4.300	ug/l #	93
11) Tert butyl alcohol	4.73	59	20007	40.784	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	23317	5.291	ug/l	89
13) Acrolein	3.57	56	8451	32.666	ug/l	98
14) Allyl chloride	4.27	41	42231	5.914	ug/l	96
15) Acrylonitrile	4.94	53	52140	28.624	ug/l	96
16) Acetone	3.78	43	47190	30.729	ug/l	97
17) Carbon Disulfide	4.01	76	69728	5.284	ug/l	100
18) Methyl Acetate	4.28	43	24353	4.444	ug/l #	56
19) Methyl tert-butyl Ether	4.99	73	85575	6.717	ug/l	98
20) Methylene Chloride	4.50	84	28092	5.105	ug/l	90
21) trans-1,2-Dichloroethene	4.99	96	26694	5.664	ug/l	95
22) Diisopropyl ether	5.90	45	90778	6.223	ug/l	92
23) Vinyl Acetate	5.84	43	372283	34.910	ug/l	99
24) 1,1-Dichloroethane	5.79	63	50425	5.475	ug/l	95
25) 2-Butanone	6.79	43	74618	33.520	ug/l	99
26) 2,2-Dichloropropane	6.77	77	46127	6.299	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	30988	5.943	ug/l	98
28) Bromochloromethane	7.15	49	26898	6.338	ug/l	97
29) Tetrahydrofuran	7.17	42	49222	34.739	ug/l	99
30) Chloroform	7.33	83	54923	5.802	ug/l	93
31) Cyclohexane	7.61	56	56718	6.589	ug/l #	89
32) 1,1,1-Trichloroethane	7.53	97	46922	5.701	ug/l	99
36) 1,1-Dichloropropene	7.75	75	38743	4.625	ug/l	100
37) Ethyl Acetate	6.88	43	30328	4.983	ug/l #	74
38) Carbon Tetrachloride	7.73	117	39395	4.385	ug/l	93

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	42983	4.905	ug/l	97
40) Benzene	8.00	78	113183	4.429	ug/l	99
41) Methacrylonitrile	7.13	41	14688m	4.853	ug/l	
42) 1,2-Dichloroethane	8.08	62	40864	4.730	ug/l	98
43) Isopropyl Acetate	8.13	43	60566	5.685	ug/l #	89
44) Trichloroethene	8.80	130	26962	4.062	ug/l	94
45) 1,2-Dichloropropane	9.08	63	32122	4.671	ug/l	92
46) Dibromomethane	9.18	93	19043	4.410	ug/l	90
47) Bromodichloromethane	9.37	83	41035	4.575	ug/l	95
48) Methyl methacrylate	9.17	41	26794	5.093	ug/l	95
49) 1,4-Dioxane	9.17	88	8754	117.180	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	169475	28.574	ug/l	97
52) Toluene	10.13	92	67773	4.457	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	43938	4.865	ug/l	93
54) cis-1,3-Dichloropropene	9.81	75	46927	4.777	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	25135	3.985	ug/l	97
56) Ethyl methacrylate	10.40	69	37464	4.971	ug/l	97
57) 1,3-Dichloropropane	10.68	76	46530	4.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	105462	30.185	ug/l	97
59) 2-Hexanone	10.72	43	115974	28.814	ug/l	99
60) Dibromochloromethane	10.87	129	27700	4.020	ug/l	95
61) 1,2-Dibromoethane	10.98	107	27774	4.672	ug/l	100
64) Tetrachloroethene	10.60	164	26838	4.511	ug/l	97
65) Chlorobenzene	11.41	112	70950	4.244	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	24385	3.759	ug/l	91
67) Ethyl Benzene	11.49	91	134717	4.917	ug/l	95
68) m/p-Xylenes	11.59	106	92093	8.969	ug/l	97
69) o-Xylene	11.93	106	45378	4.587	ug/l	96
70) Styrene	11.94	104	74057	4.599	ug/l	98
71) Bromoform	12.10	173	15811	3.470	ug/l #	97
73) Isopropylbenzene	12.22	105	122425	5.474	ug/l	97
74) N-amyl acetate	12.05	43	44635	6.143	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	33864	5.017	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	28159m	5.025	ug/l	
77) Bromobenzene	12.50	156	24971	4.156	ug/l	91
78) n-propylbenzene	12.57	91	139872	5.490	ug/l	100
79) 2-Chlorotoluene	12.65	91	81416	5.221	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	99043	5.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	11199	5.979	ug/l	95
82) 4-Chlorotoluene	12.75	91	82741	5.269	ug/l	98
83) tert-Butylbenzene	12.97	119	82991	5.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	98421	5.439	ug/l	100
85) sec-Butylbenzene	13.15	105	110089	5.305	ug/l	98
86) p-Isopropyltoluene	13.27	119	95027	5.339	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	48027	4.555	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	49365	4.637	ug/l	90
89) n-Butylbenzene	13.59	91	88883	5.935	ug/l	98
90) Hexachloroethane	13.85	117	17066	4.318	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	46638	4.495	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6795	6.107	ug/l #	76

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ClientSampleId :
VSTDICC005

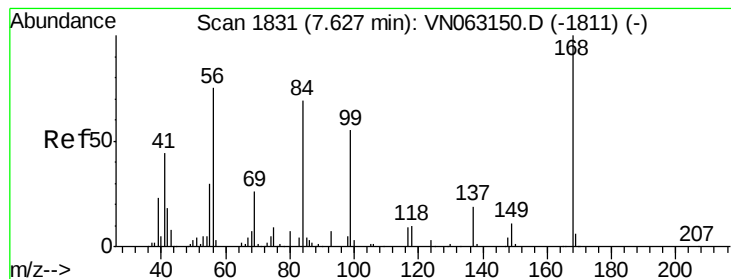
Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:06 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	26213	5.454	ug/l	98
94) Hexachlorobutadiene	14.99	225	9911	3.064	ug/l	92
95) Naphthalene	15.11	128	81192	6.933	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	24027	4.833	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 397417

Ion Ratio Lower Upper

168 100

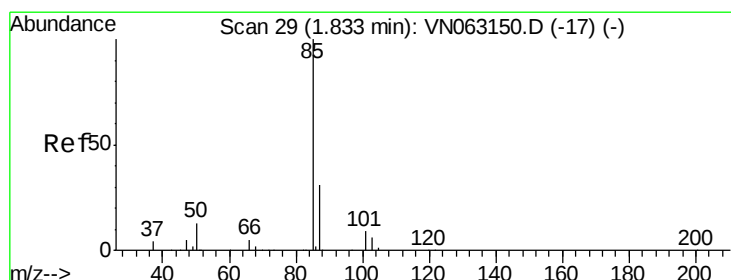
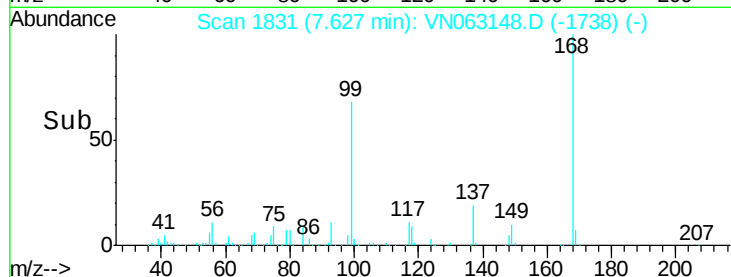
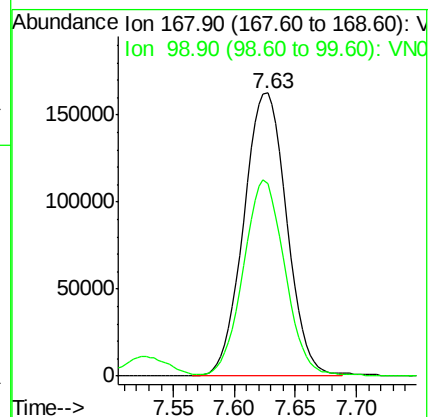
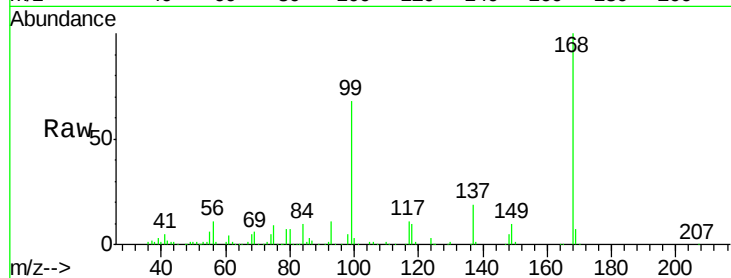
99 67.3 54.2 81.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 4.966 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063148.D

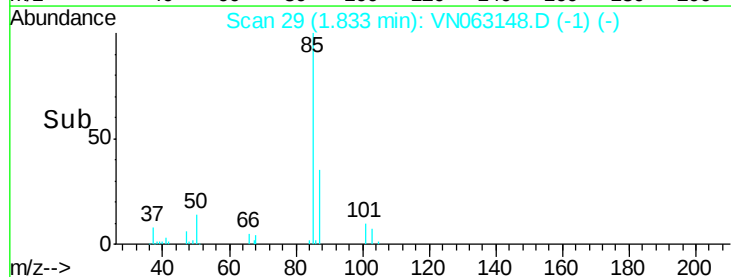
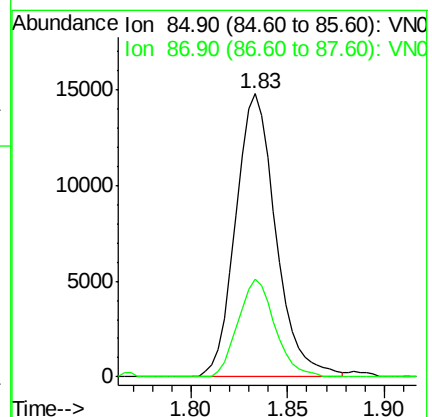
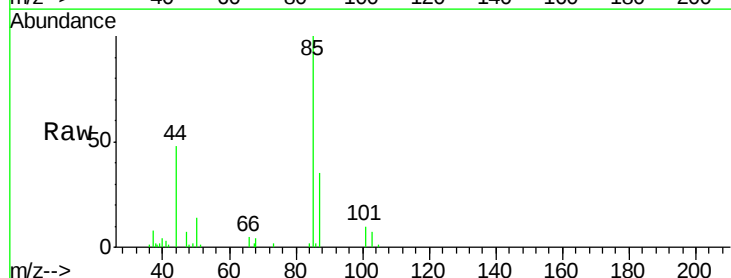
Acq: 31 Aug 2020 13:21

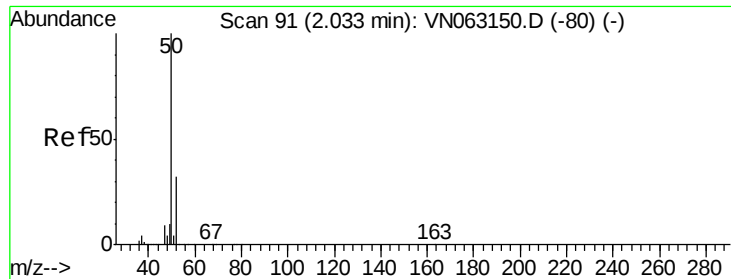
Tgt Ion: 85 Resp: 21364

Ion Ratio Lower Upper

85 100

87 34.6 15.6 46.8





#3

Chloromethane

Concen: 5.873 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 32608

Ion Ratio Lower Upper

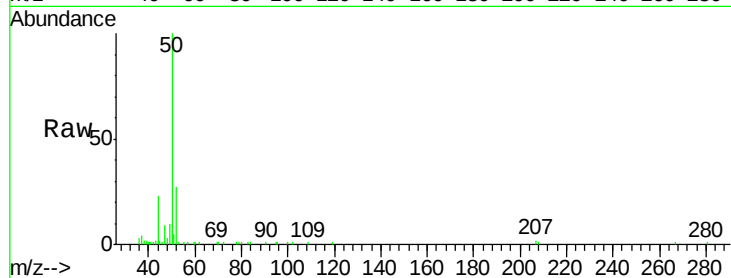
50 100

52 26.8 25.8 38.6

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

2.03

20000

15000

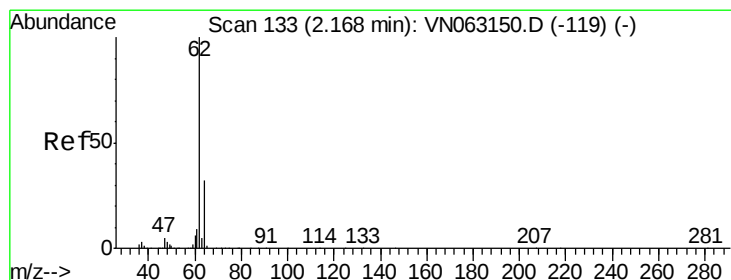
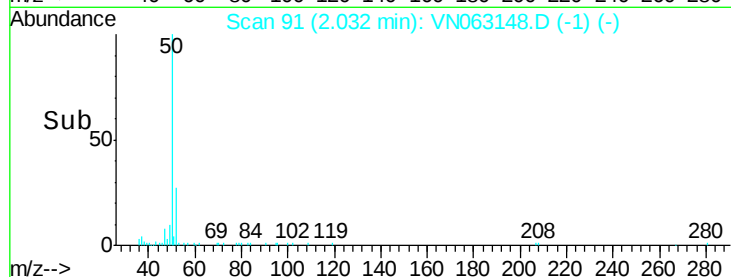
10000

5000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 6.037 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN063148.D

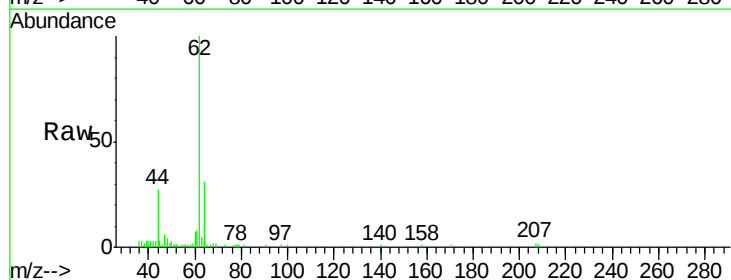
Acq: 31 Aug 2020 13:21

Tgt Ion: 62 Resp: 36159

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

25000

20000

15000

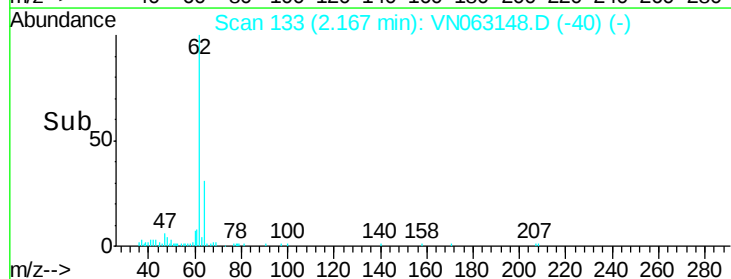
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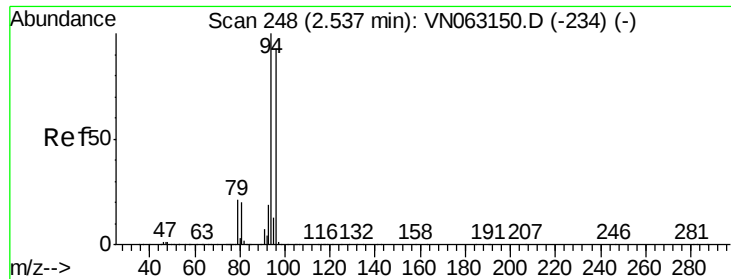
5000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 7.004 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 28865

Ion Ratio Lower Upper

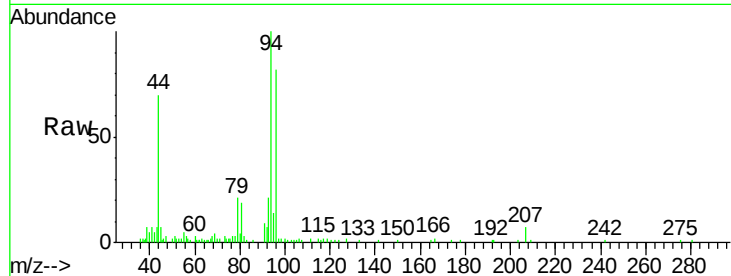
94 100

96 81.2 74.4 111.6

Manual Integrations
APPROVED

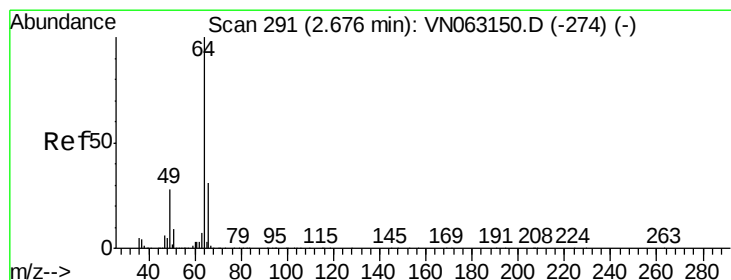
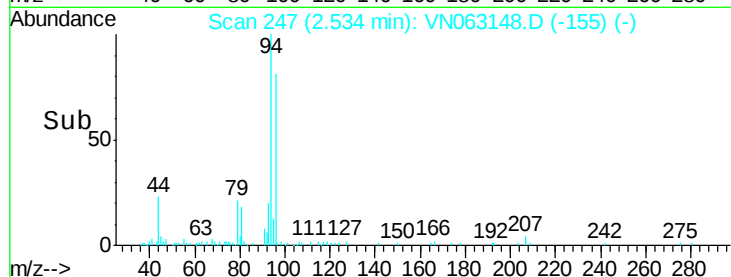
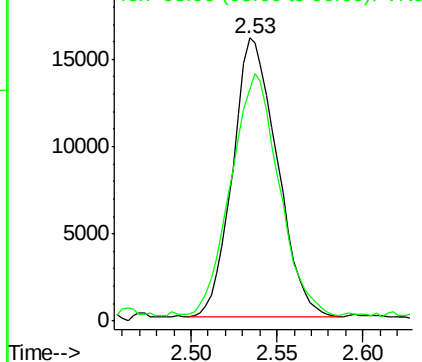
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 7.047 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063148.D

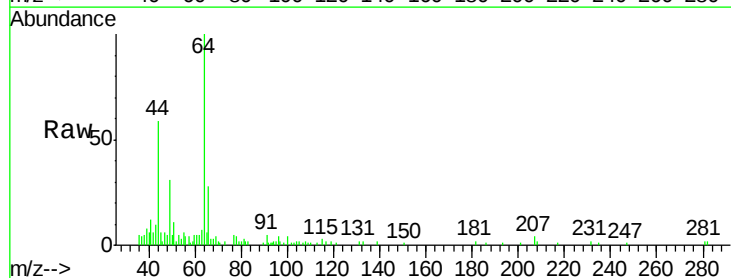
Acq: 31 Aug 2020 13:21

Tgt Ion: 64 Resp: 29092

Ion Ratio Lower Upper

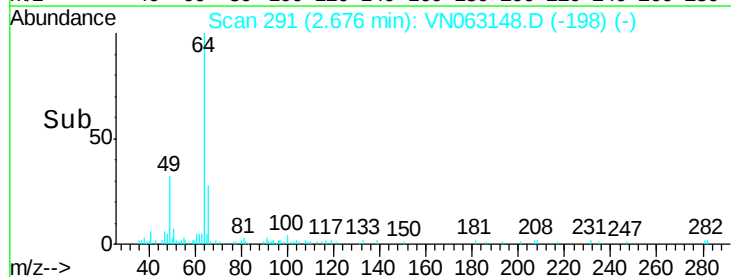
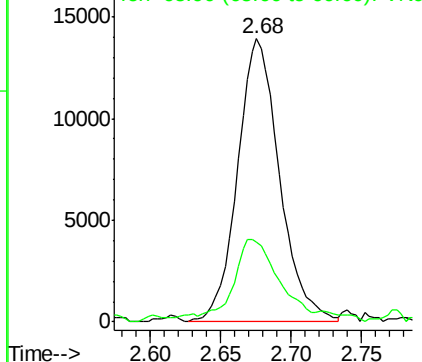
64 100

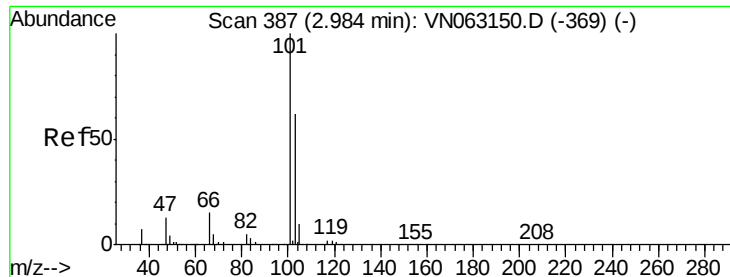
66 25.8 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

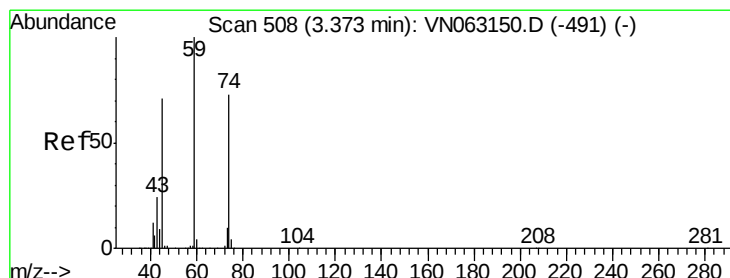
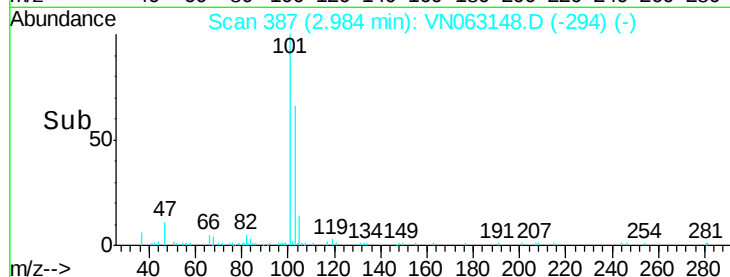
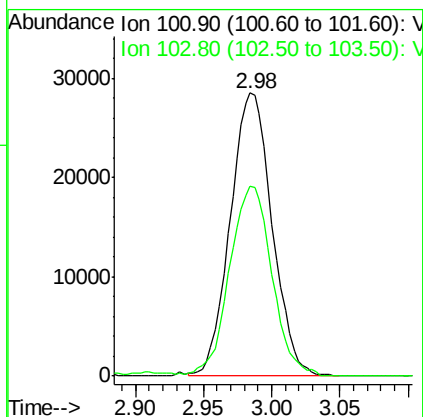
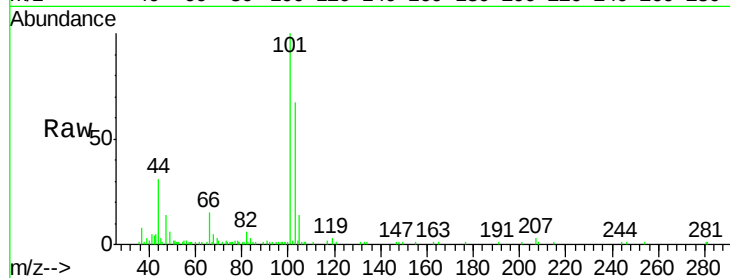
Trichlorofluoromethane
 Concen: 7.306 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	49.7	74.5

Manual Integrations
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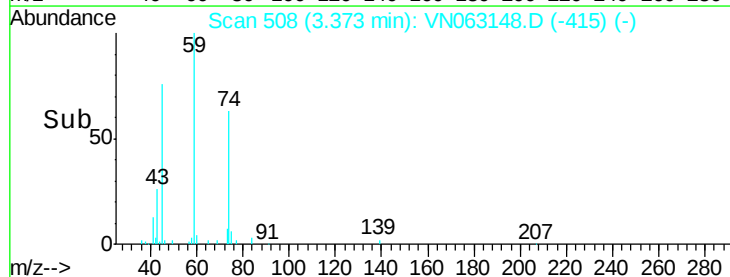
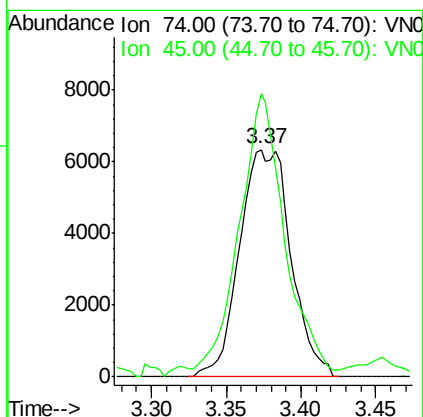
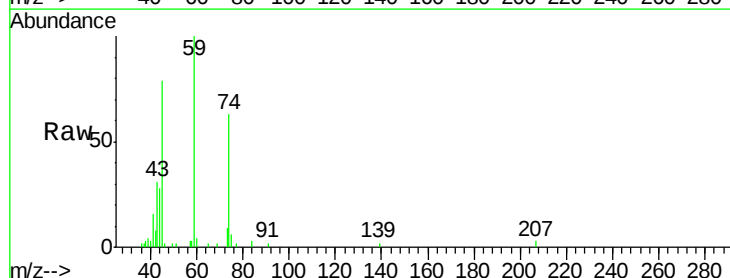
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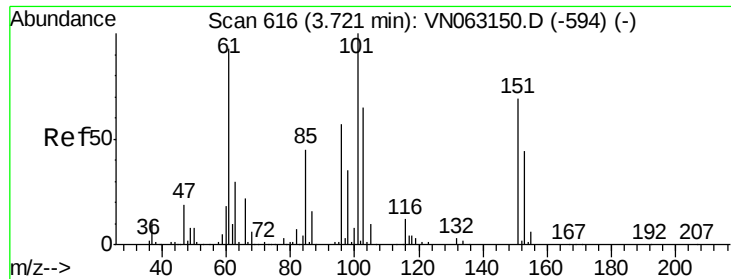


#8

Diethyl Ether
 Concen: 5.315 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.8	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.965 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

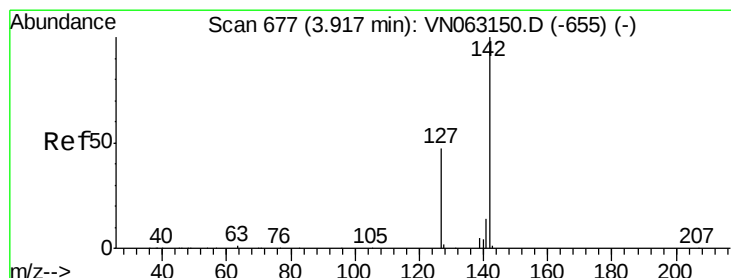
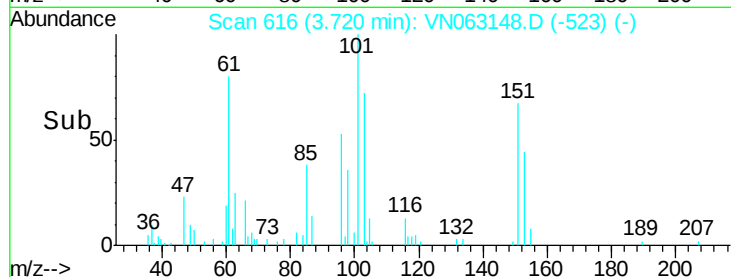
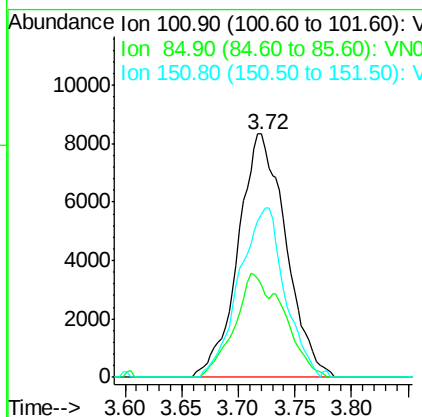
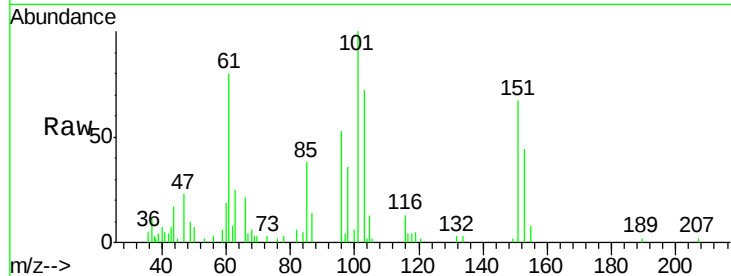
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	24412
Ion Ratio	Lower	Upper	
101	100		
85	28.6	37.8	56.8#
151	66.6	55.0	82.4

Manual Integrations
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#10

Methyl Iodide

Concen: 4.300 ug/l

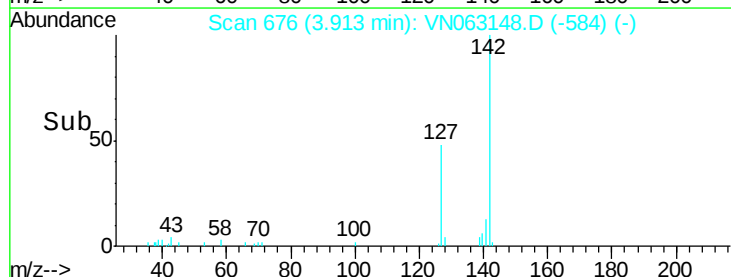
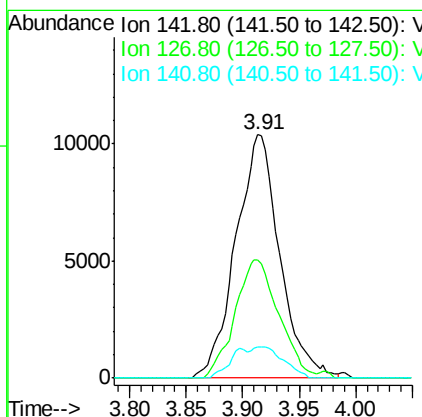
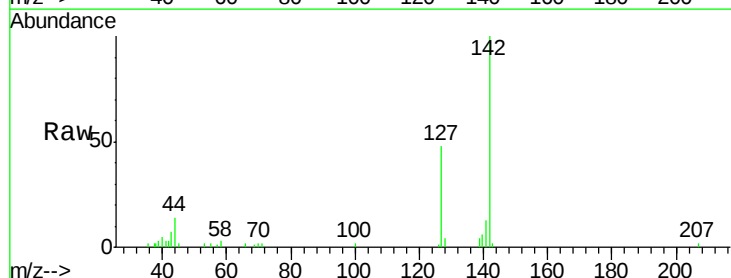
RT: 3.91 min Scan# 676

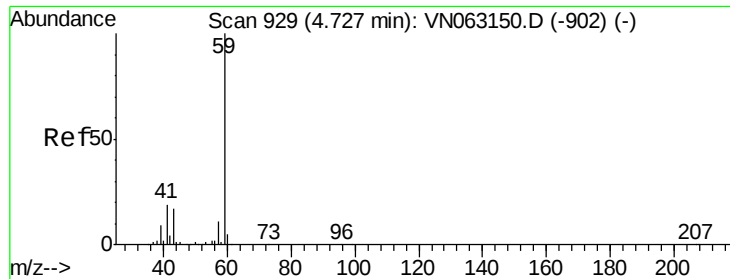
Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	142	Resp:	28090
Ion Ratio	Lower	Upper	
142	100		
127	48.3	37.6	56.4
141	5.1	11.3	16.9#





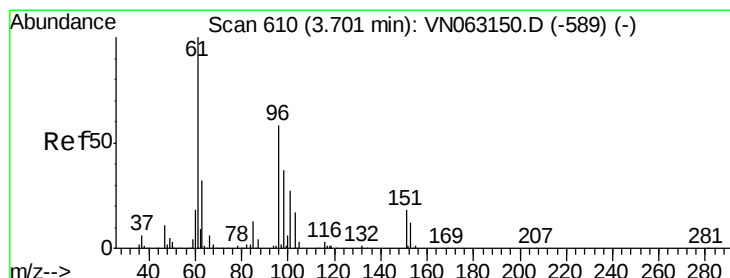
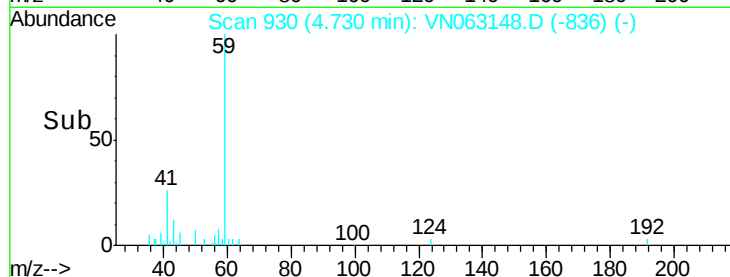
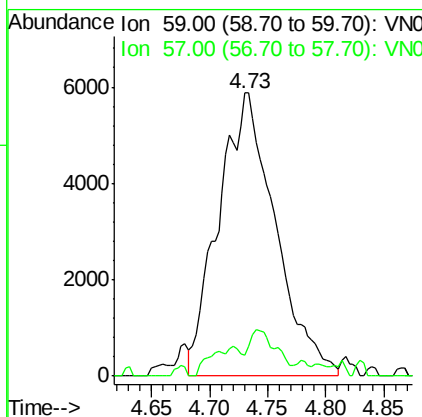
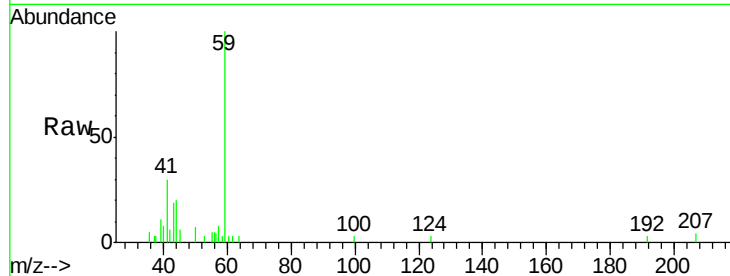
#11
Tert butyl alcohol
Concen: 40.784 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.4	12.6#

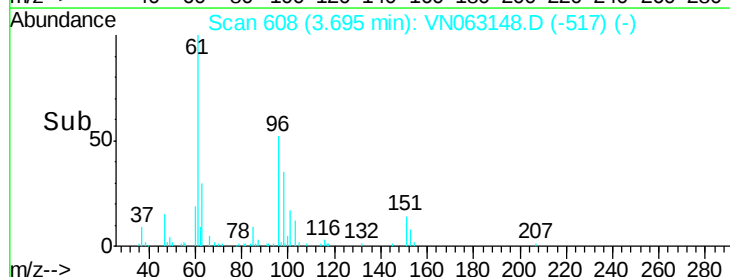
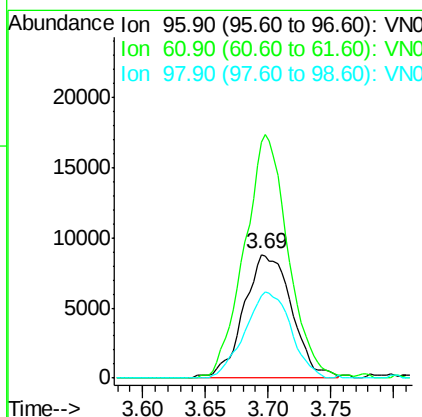
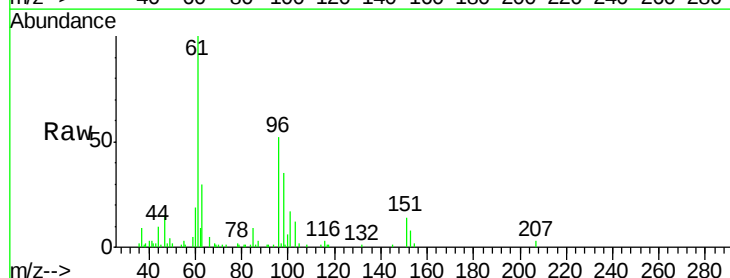
Manual Integrations
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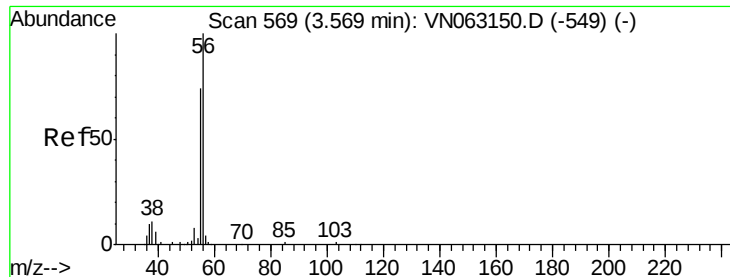
MMDadoda
9/1/2020 9:07:06 AM



#12
1,1-Dichloroethene
Concen: 5.291 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.7	137.4	206.2
98	66.4	50.5	75.7





#13

Acrolein

Concen: 32.666 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8451

Ion Ratio Lower Upper

56 100

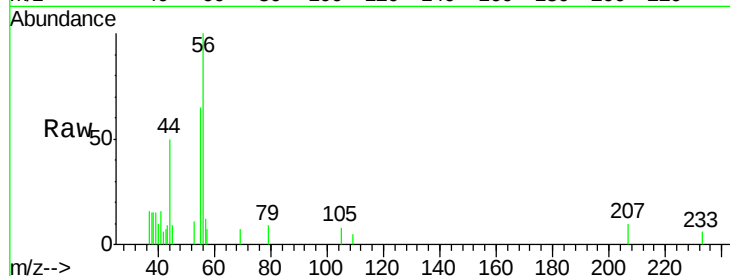
55 67.2 55.4 83.0

Manual Integrations

APPROVED

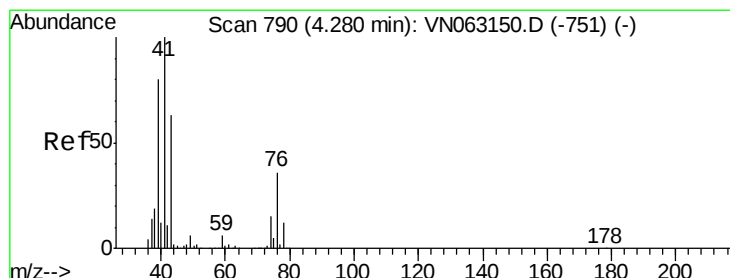
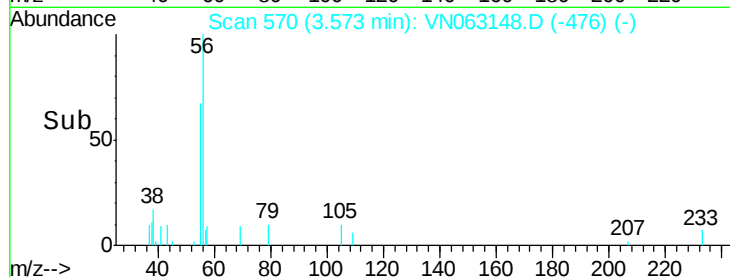
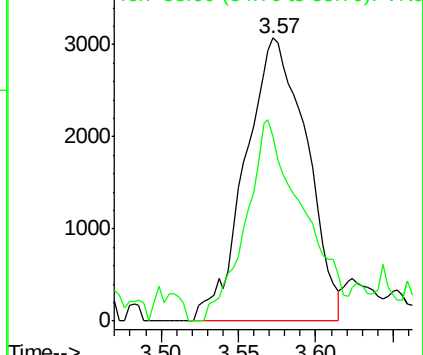
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN063150.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN063150.D (-549) (-)



#14

Allyl chloride

Concen: 5.914 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

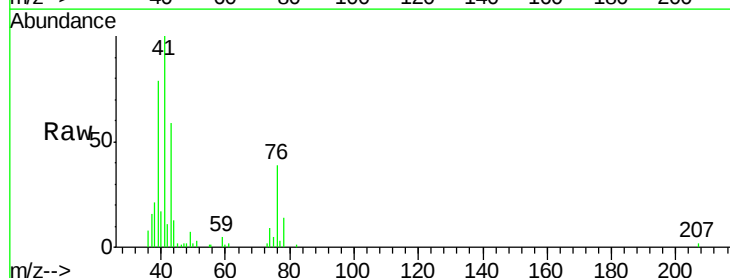
Tgt Ion: 41 Resp: 42231

Ion Ratio Lower Upper

41 100

39 79.7 60.2 90.2

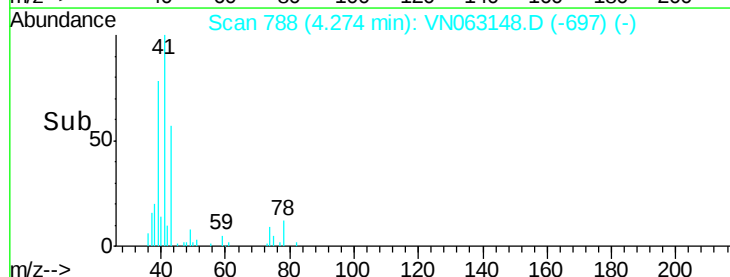
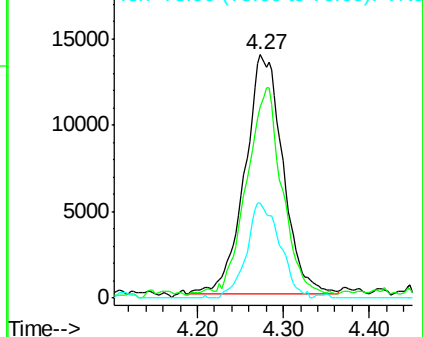
76 35.2 27.7 41.5

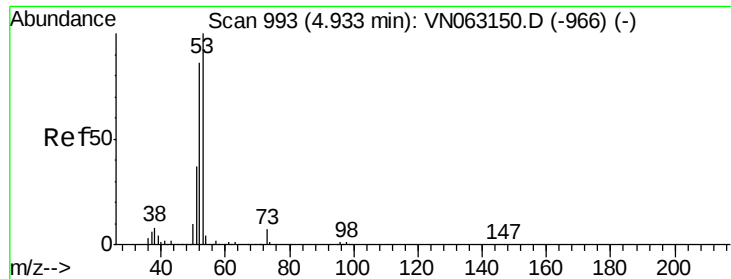


Abundance Ion 41.00 (40.70 to 41.70): VN063150.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN063150.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN063150.D (-751) (-)





#15

Acrylonitrile

Concen: 28.624 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

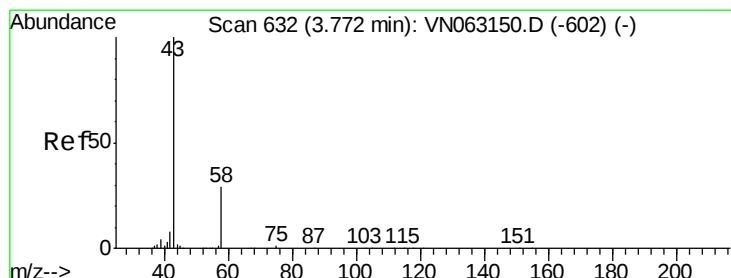
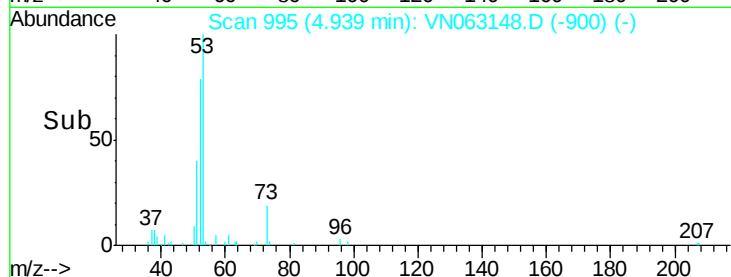
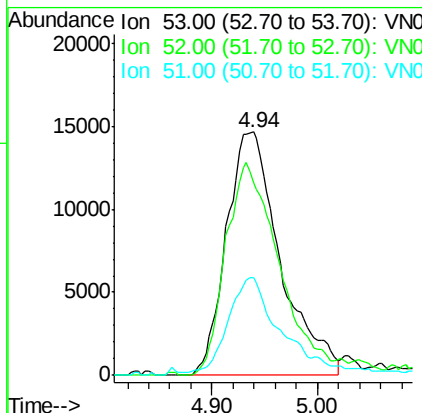
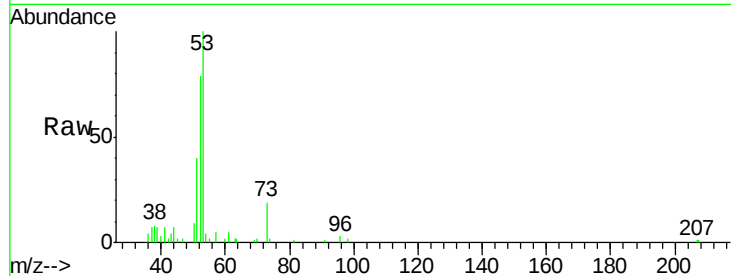
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	52140
Ion	Ratio	Lower	Upper
53	100		
52	86.4	67.2	100.8
51	34.6	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 30.729 ug/l

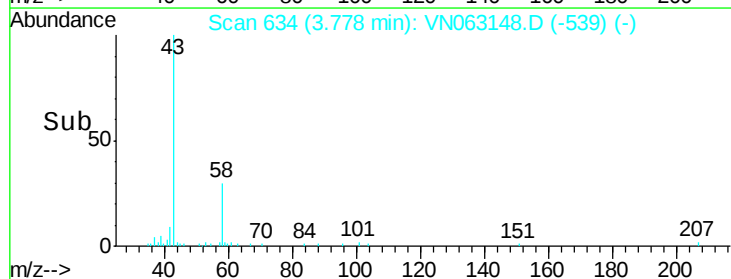
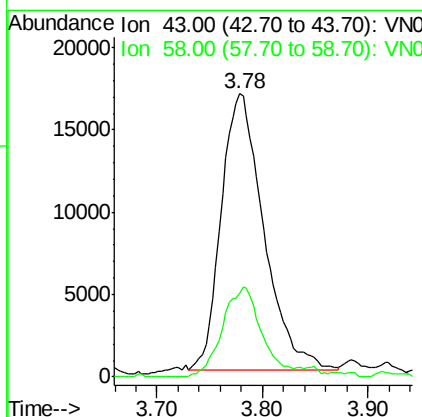
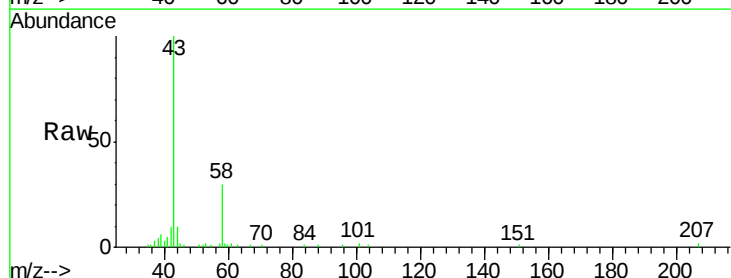
RT: 3.78 min Scan# 634

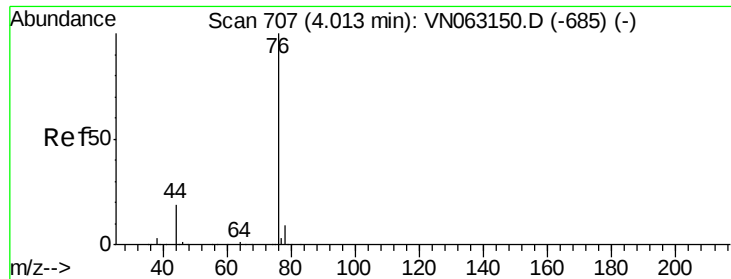
Delta R.T. 0.01 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	43	Resp:	47190
Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.1	34.7





#17

Carbon Disulfide

Concen: 5.284 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 69728

Ion Ratio Lower Upper

76 100

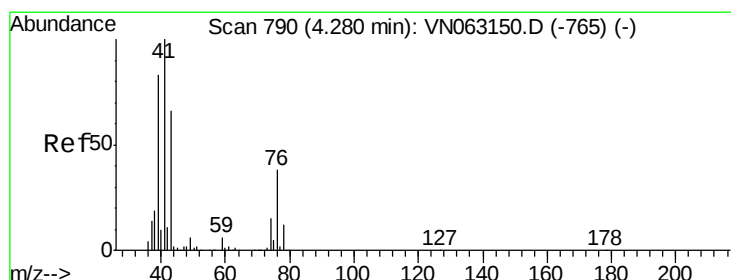
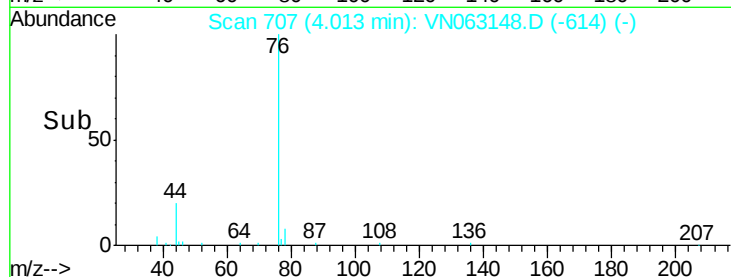
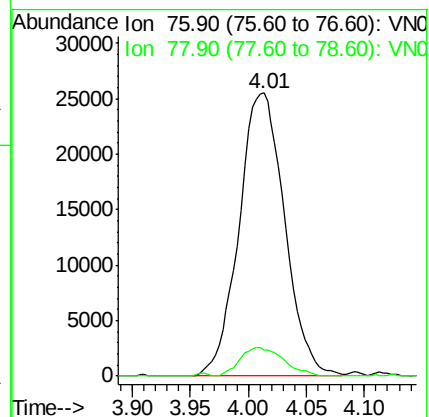
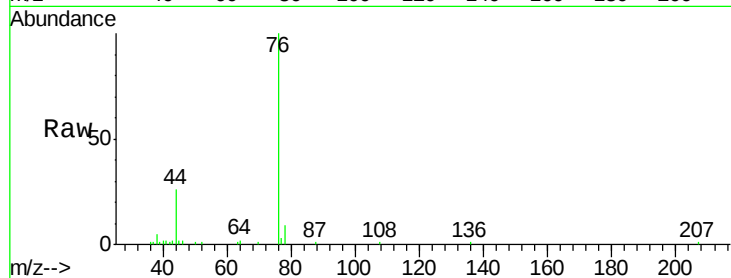
78 9.4 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 4.444 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063148.D

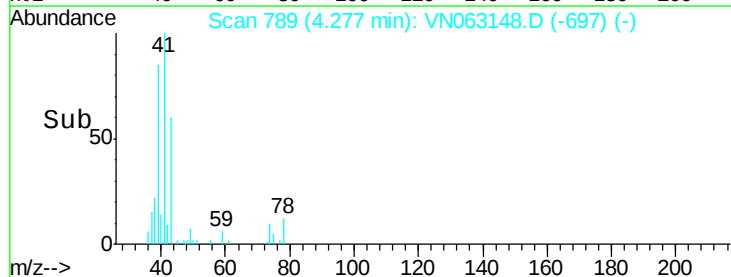
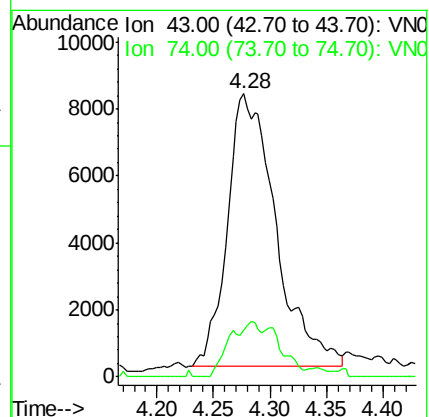
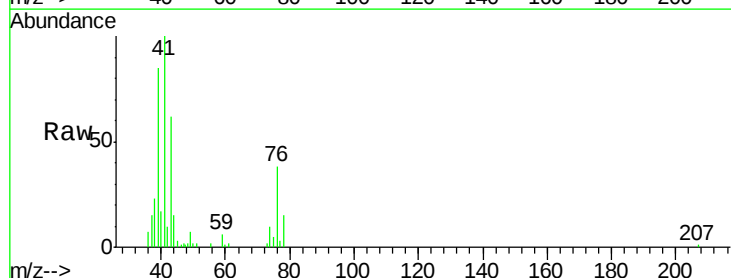
Acq: 31 Aug 2020 13:21

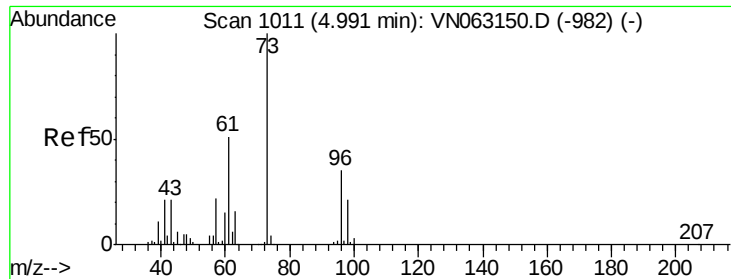
Tgt Ion: 43 Resp: 24353

Ion Ratio Lower Upper

43 100

74 2.3 19.0 28.6#





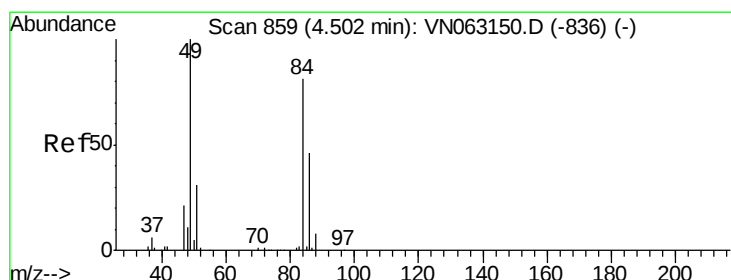
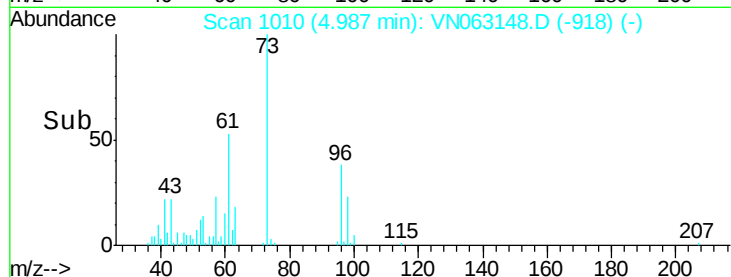
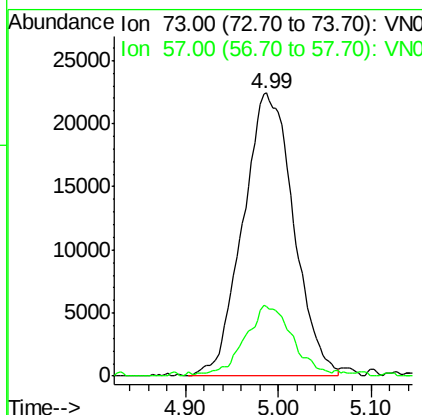
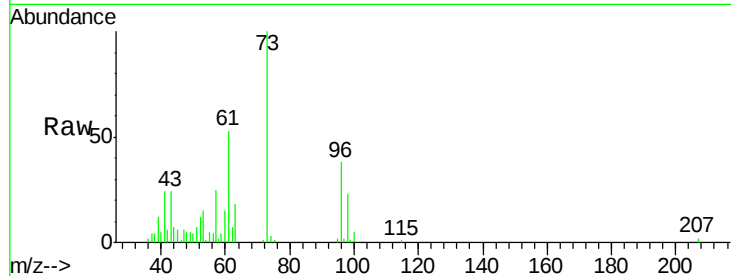
#19
Methvl tert-butvl Ether
Concen: 6.717 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 85575
Ion Ratio Lower Upper
73 100
57 23.1 17.6 26.4

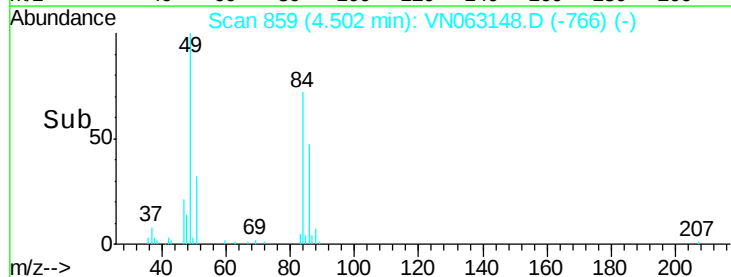
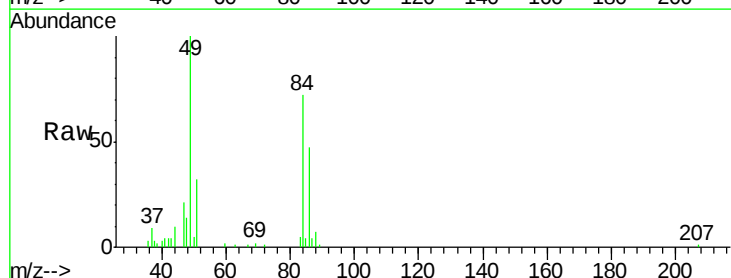
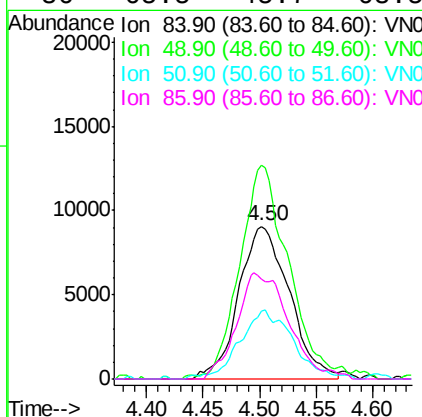
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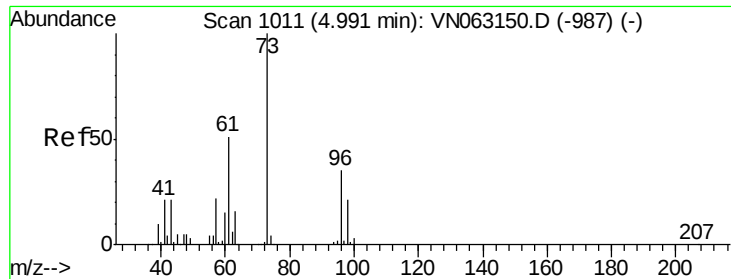
MMDadoda
9/1/2020 9:07:06 AM



#20
Methylene Chloride
Concen: 5.105 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion: 84 Resp: 28092
Ion Ratio Lower Upper
84 100
49 135.3 98.4 147.6
51 42.4 30.4 45.6
86 65.5 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 5.664 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

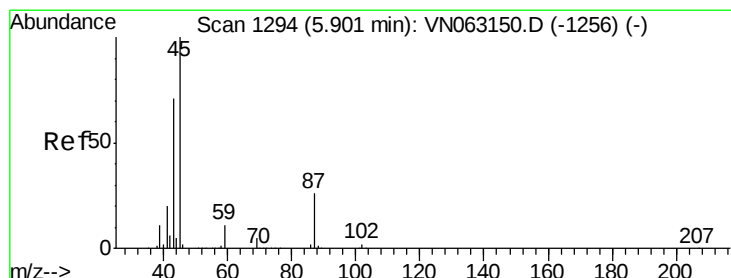
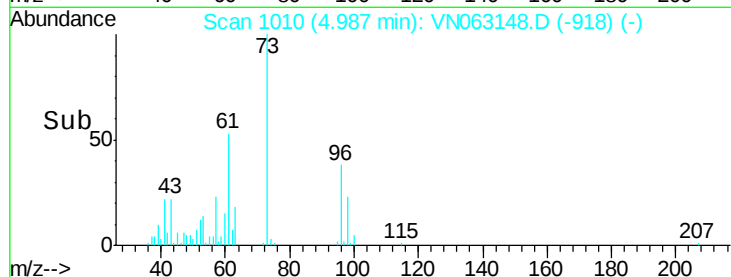
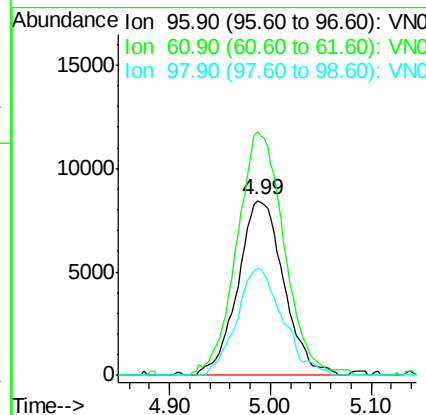
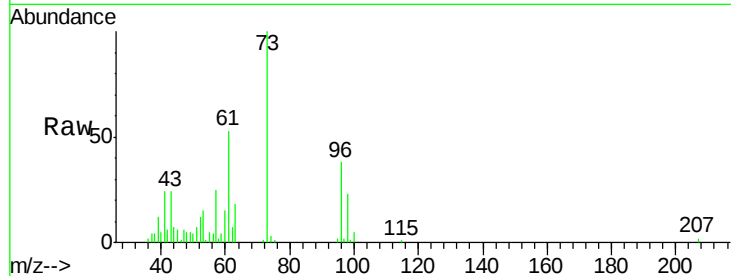
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	26694
Ion	Ratio	Lower	Upper
96	100		
61	137.4	116.2	174.4
98	60.7	48.0	72.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 6.223 ug/l

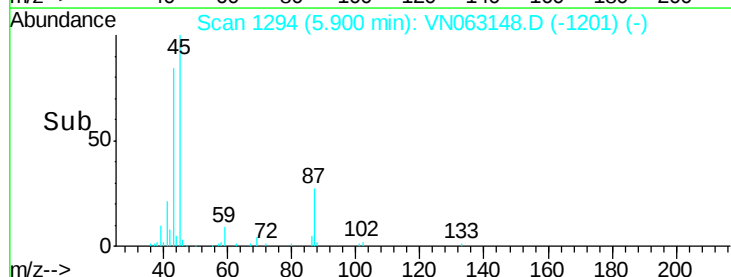
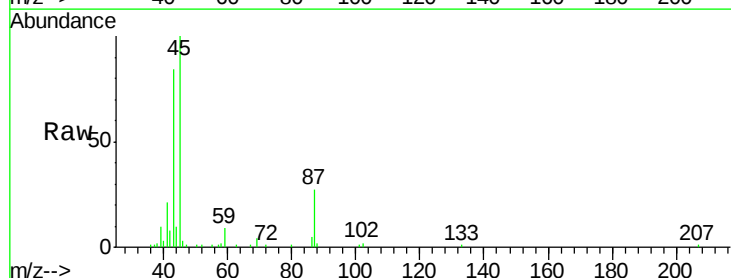
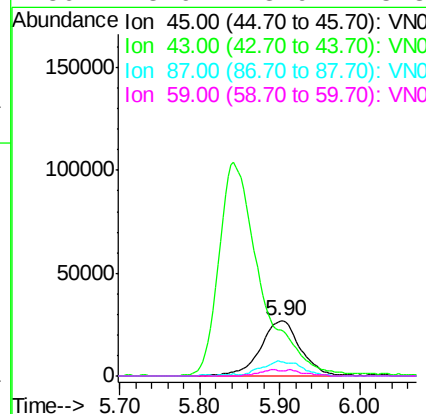
RT: 5.90 min Scan# 1294

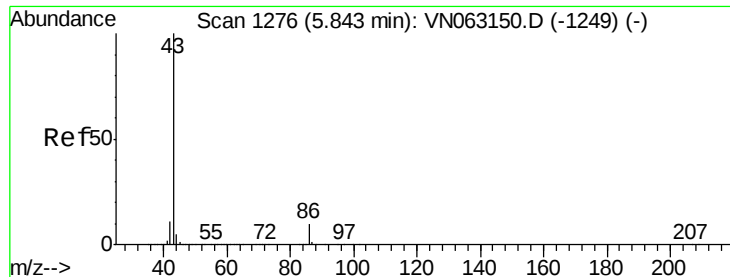
Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	45	Resp:	90778
Ion	Ratio	Lower	Upper
45	100		
43	80.4	56.8	85.2
87	26.0	21.1	31.7
59	8.9	8.9	13.3





#23

Vinyl Acetate

Concen: 34.910 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 372283

Ion Ratio Lower Upper

43 100

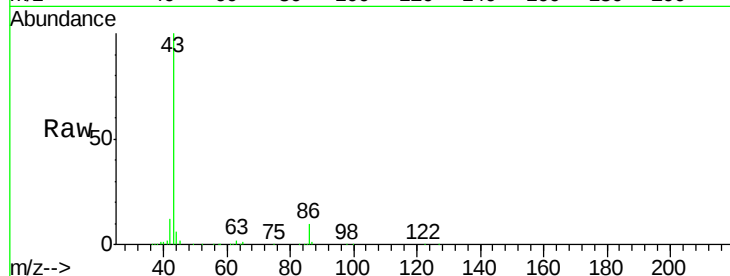
86 10.1 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

120000

100000

80000

60000

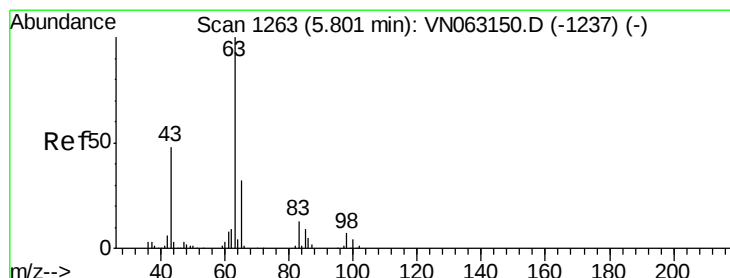
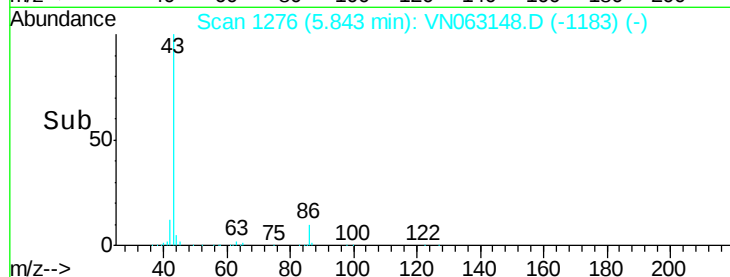
40000

20000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 5.475 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

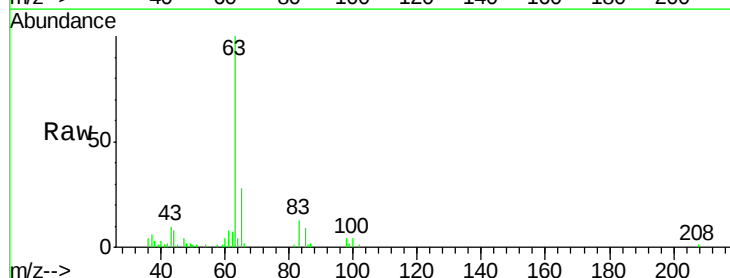
Tgt Ion: 63 Resp: 50425

Ion Ratio Lower Upper

63 100

98 4.3 3.4 10.1

100 3.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

20000

15000

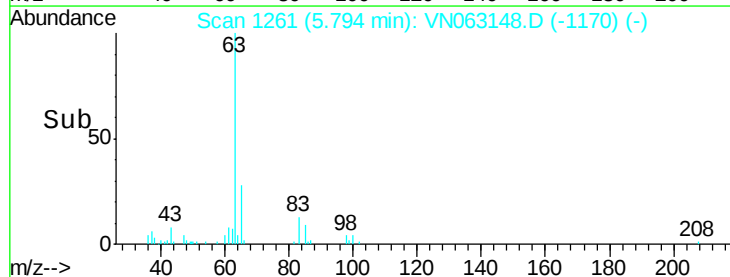
10000

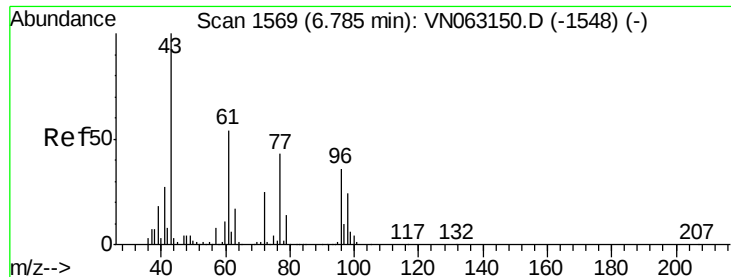
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 33.520 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 74618

Ion Ratio Lower Upper

43 100

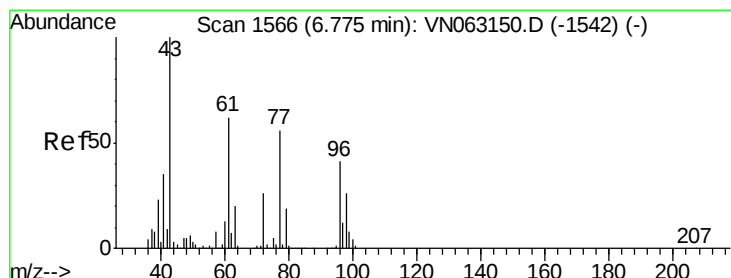
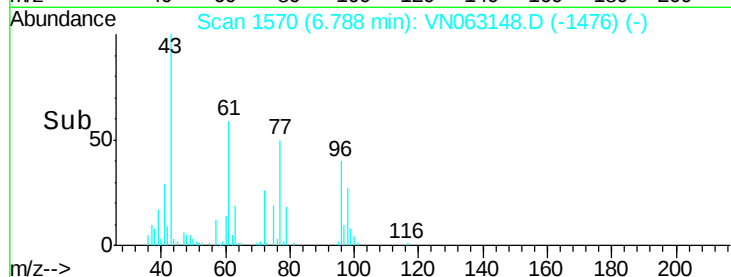
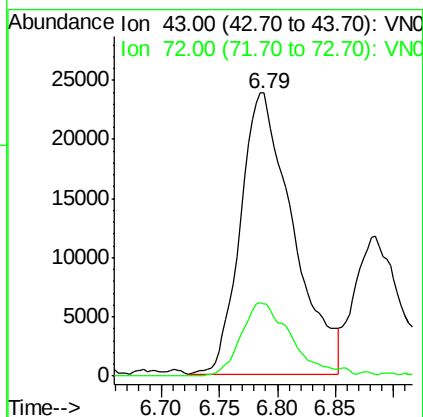
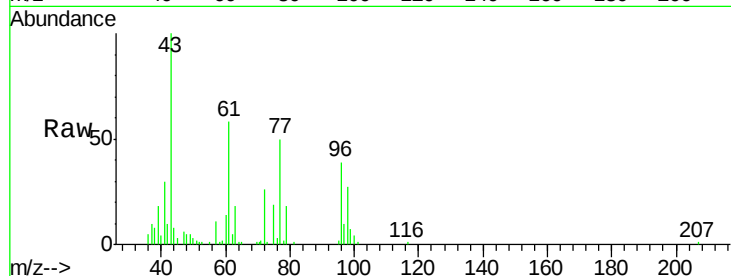
72 25.9 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 6.299 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063148.D

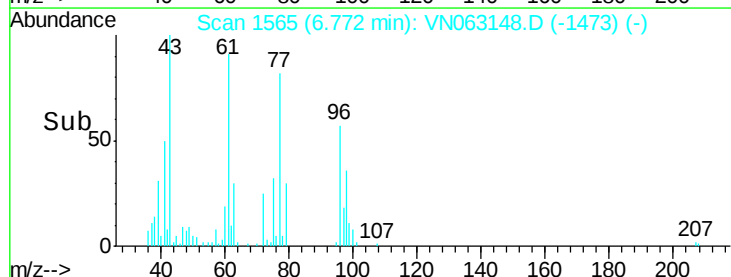
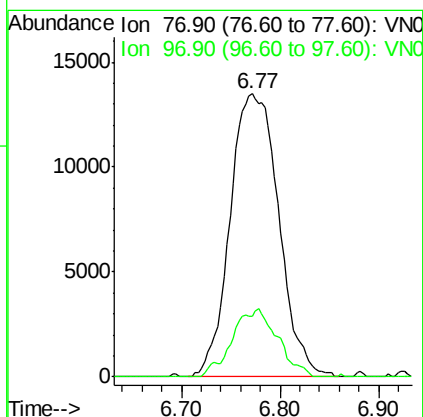
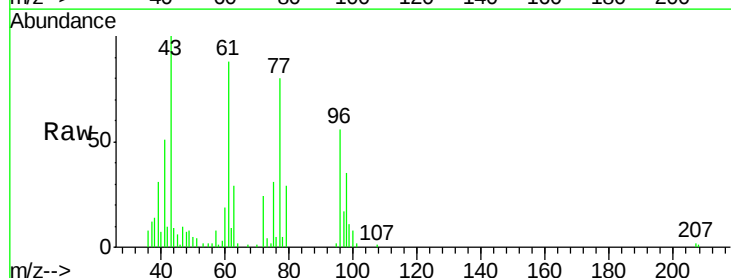
Acq: 31 Aug 2020 13:21

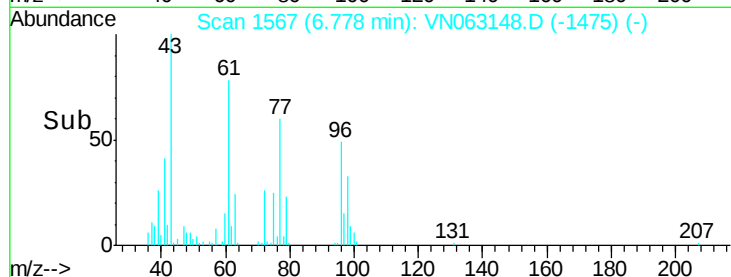
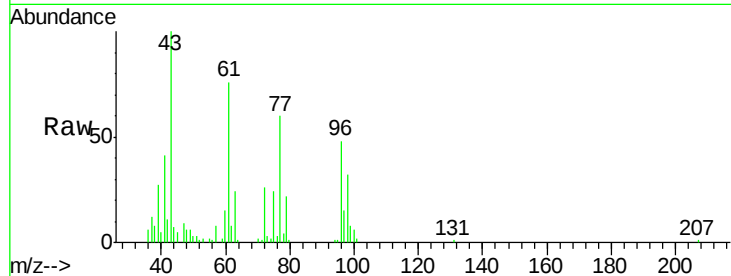
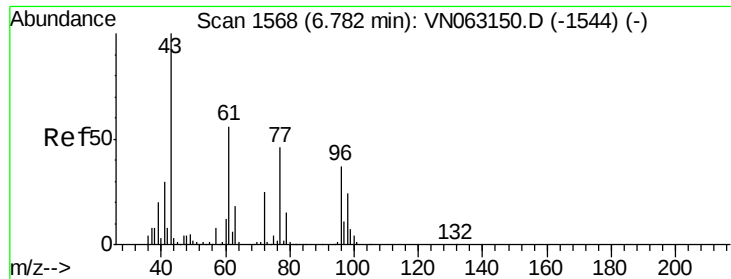
Tgt Ion: 77 Resp: 46127

Ion Ratio Lower Upper

77 100

97 22.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 5.943 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tot Ion:	96	Resp:	30988
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	303.2
98	64.5	0.0	129.0

Instrument :

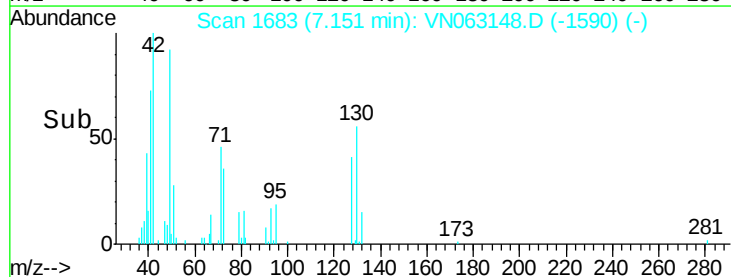
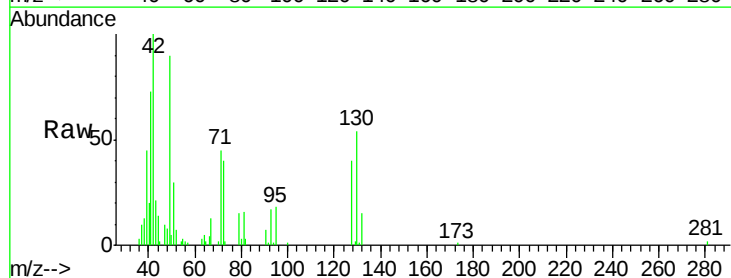
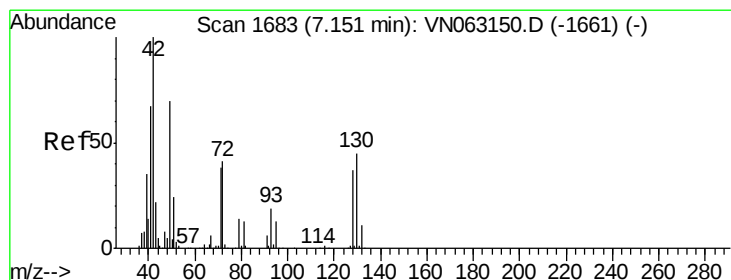
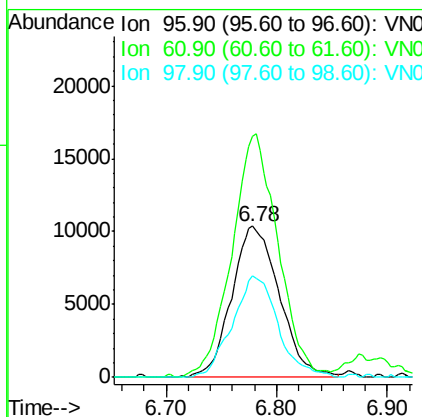
MSVOA_N

ClientSampled :

VSTDIC005

Manual Integrations
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#28

Bromochloromethane

Concen: 6.338 ug/l

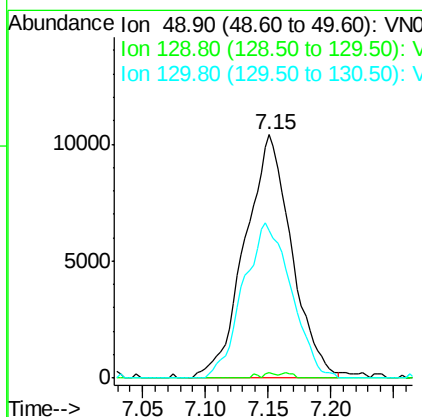
RT: 7.15 min Scan# 1683

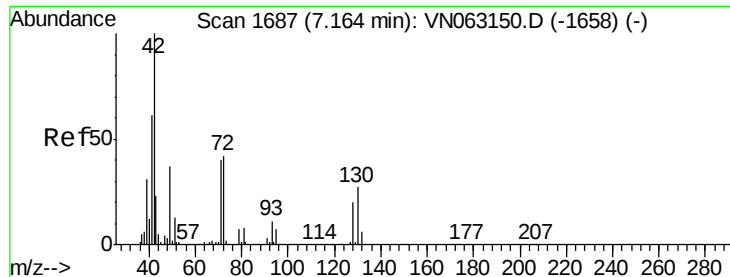
Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	49	Resp:	26898
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	65.8	54.4	81.6





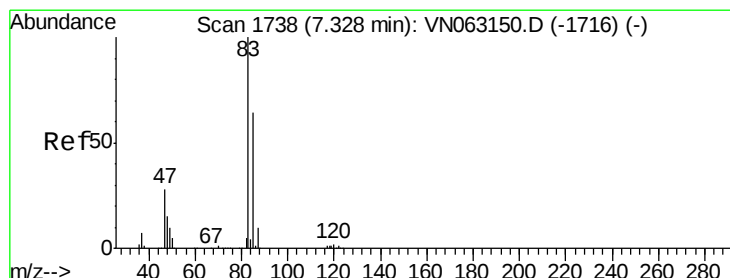
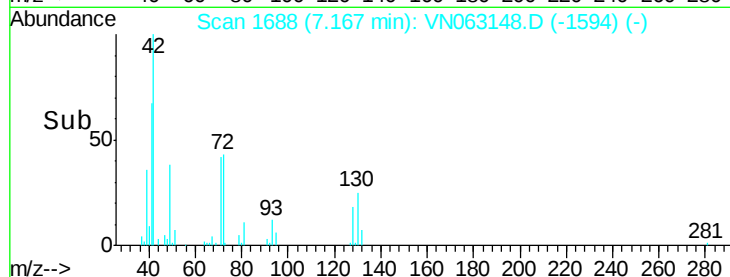
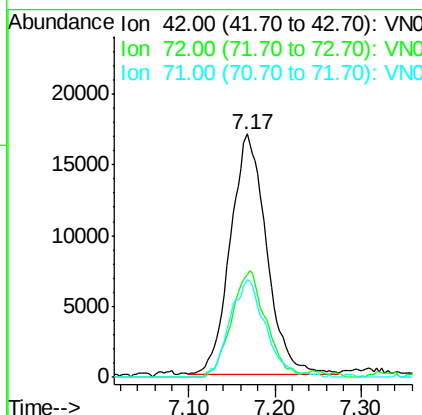
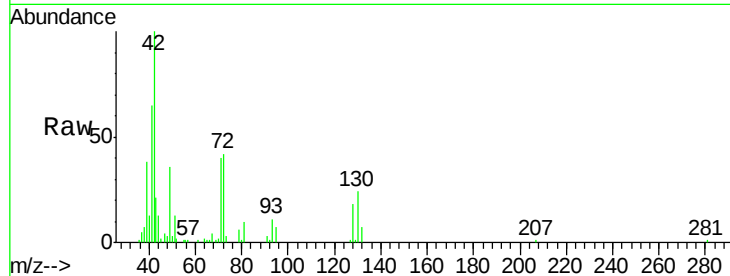
#29
Tetrahydrofuran
Concen: 34.739 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	49222
Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.9	50.9
71	39.7	31.9	47.9

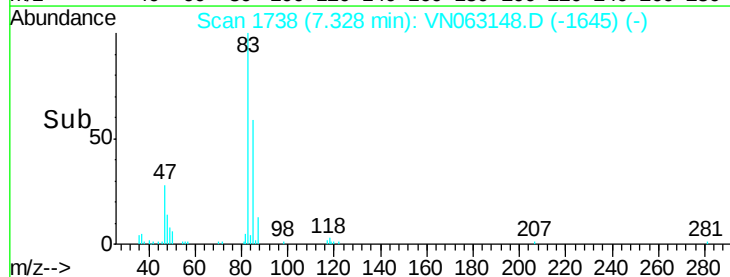
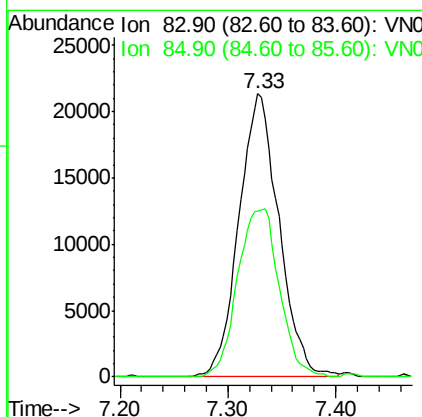
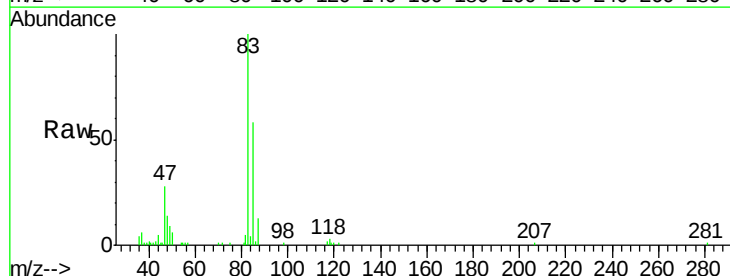
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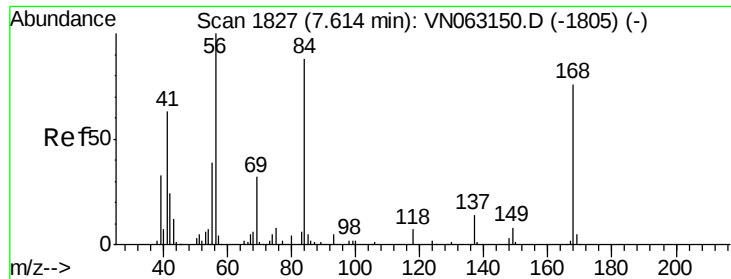
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#30
Chloroform
Concen: 5.802 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion:	83	Resp:	54923
Ion	Ratio	Lower	Upper
83	100		
85	58.4	51.0	76.6





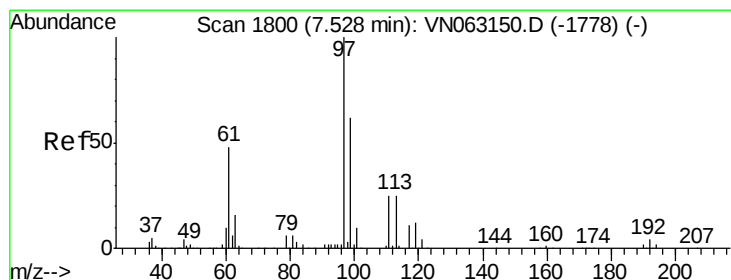
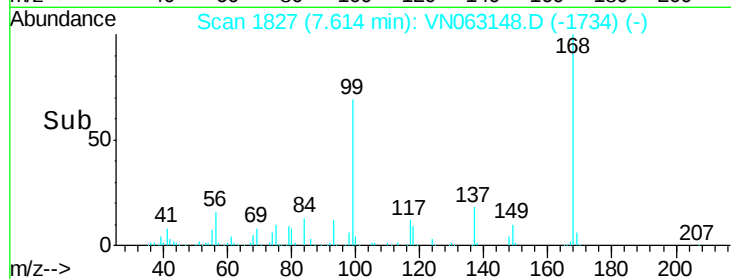
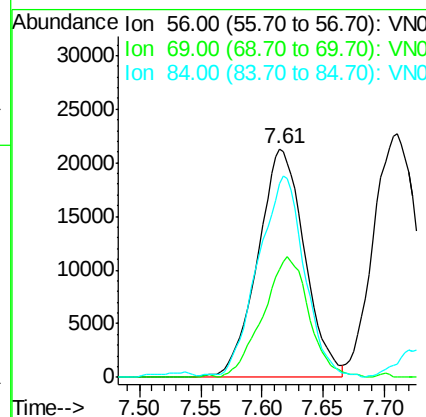
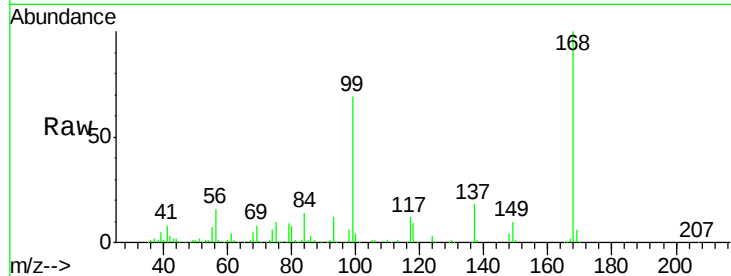
#31
Cyclohexane
Concen: 6.589 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	47.1	25.4	38.0#
84	83.2	70.2	105.4

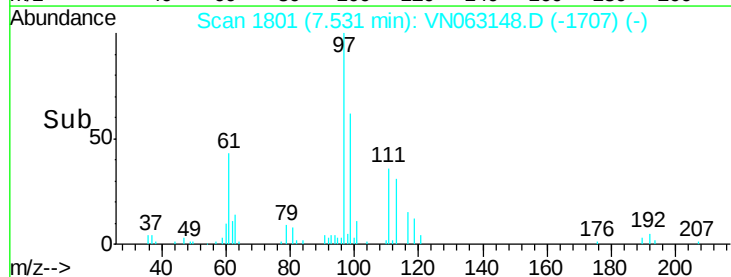
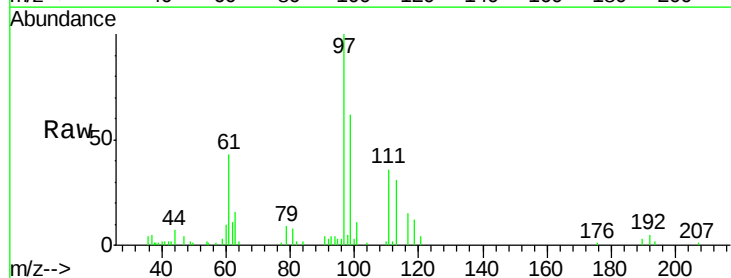
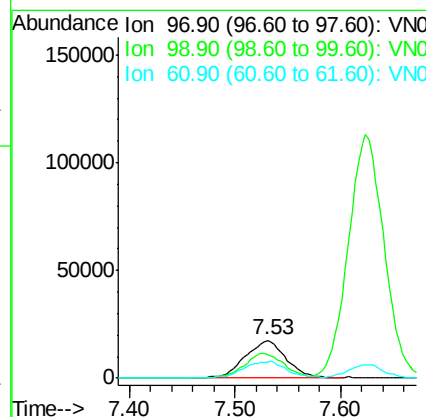
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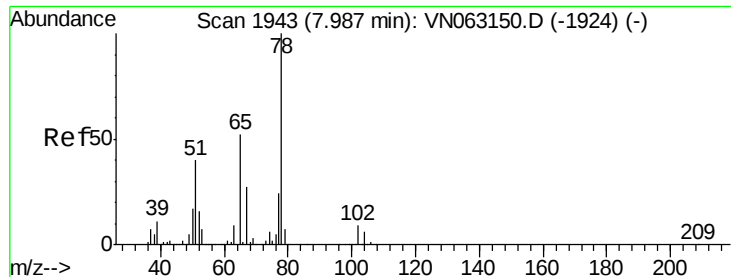
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#32
1,1,1-Trichloroethane
Concen: 5.701 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	46.7	37.4	56.2





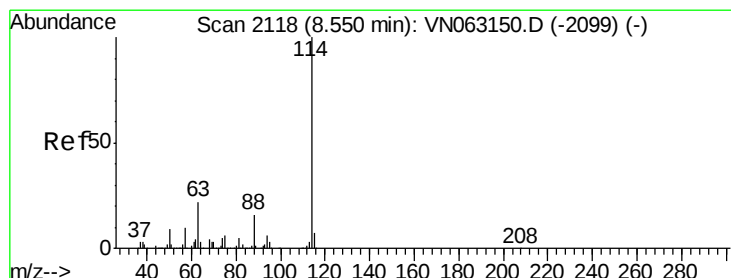
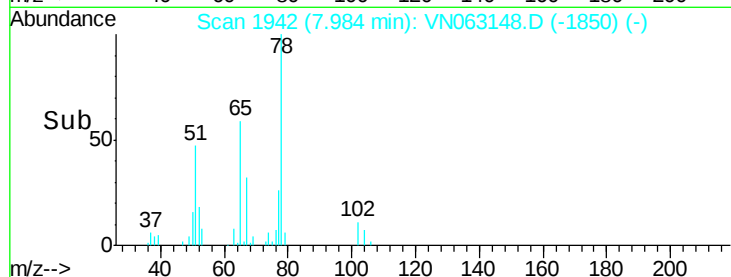
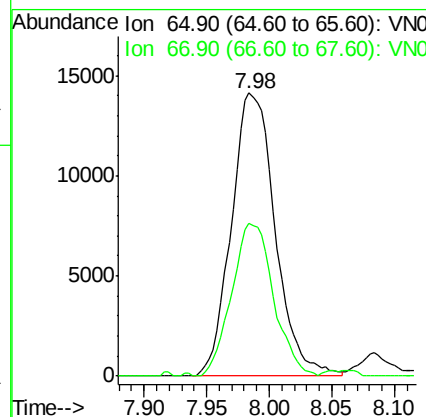
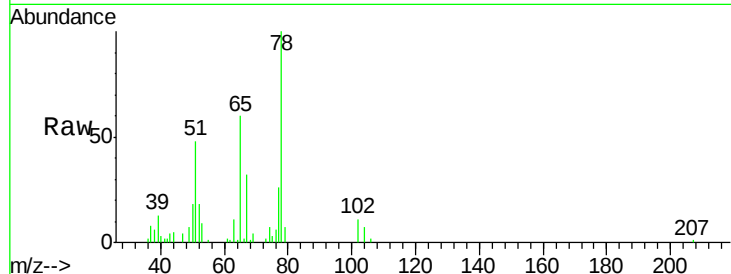
#33
 1,2-Dichloroethane-d4
 Concen: 5.945 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 34284
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4

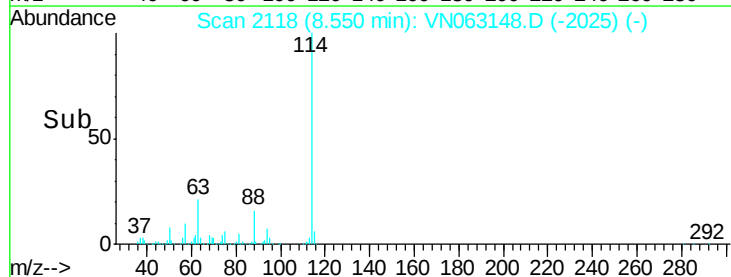
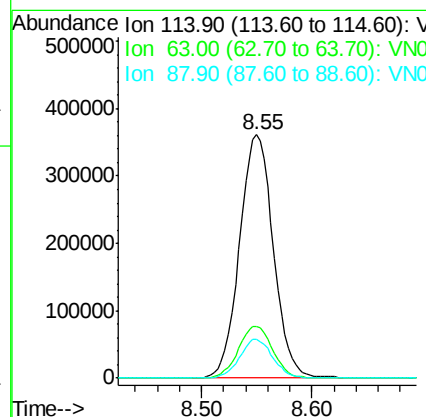
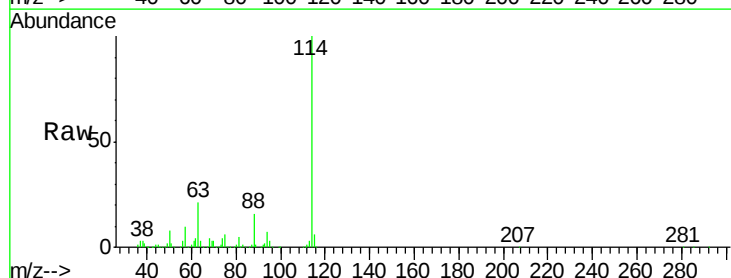
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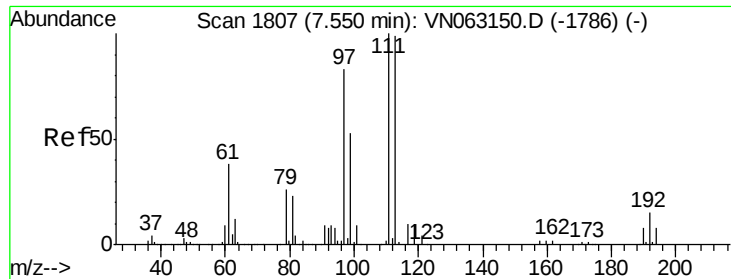
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion: 114 Resp: 766443
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.0
 88 15.7 0.0 31.6





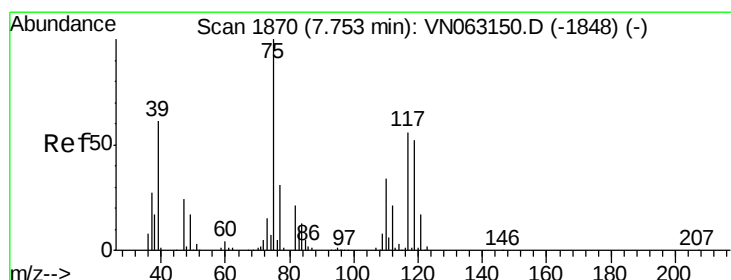
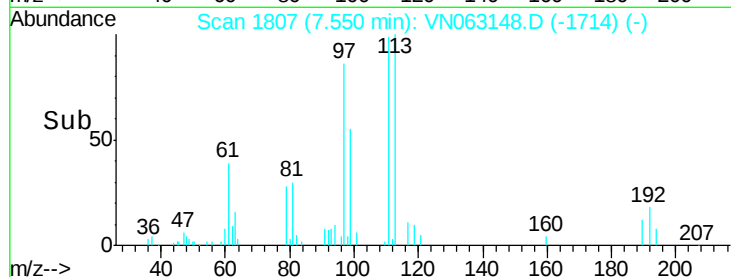
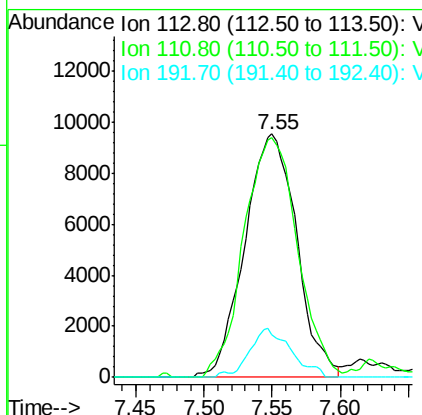
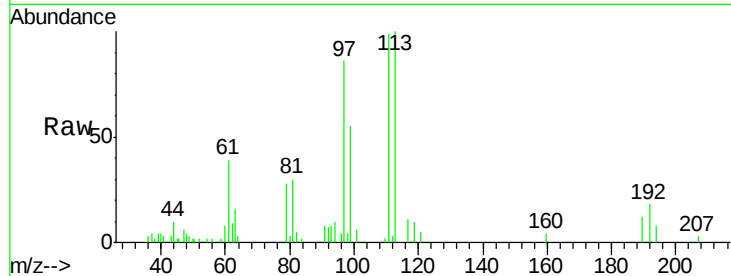
#35
Dibromofluoromethane
Concen: 4.061 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.7	121.1
192	15.6	12.6	19.0

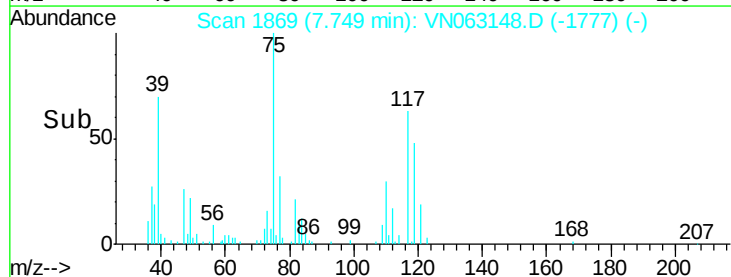
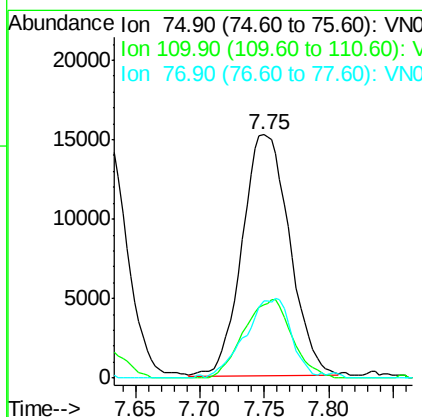
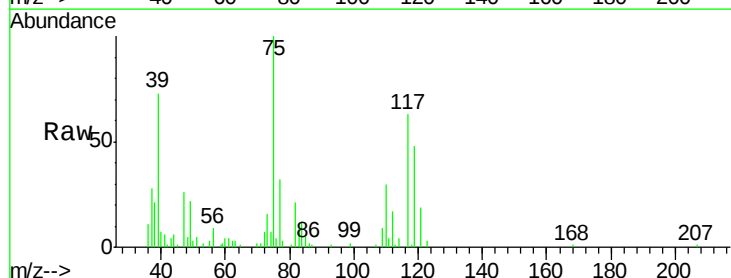
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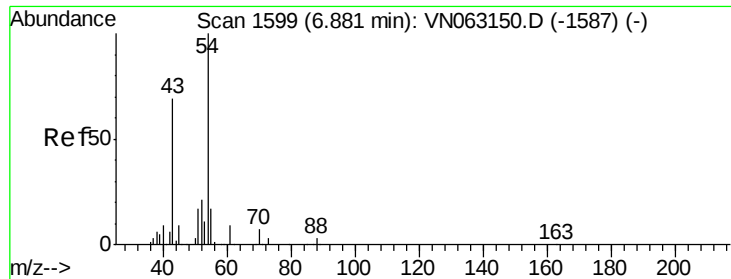
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#36
1,1-Dichloropropene
Concen: 4.625 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.8
77	32.1	25.4	38.2





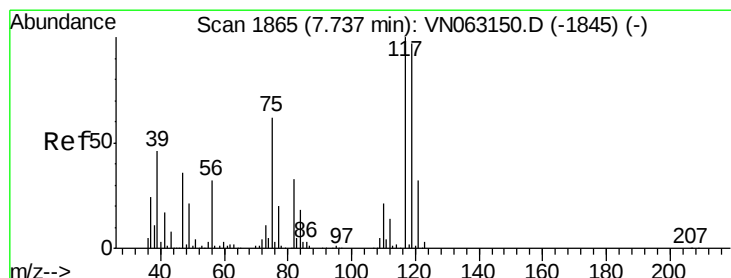
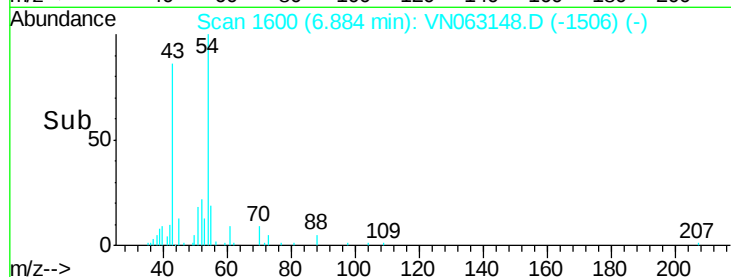
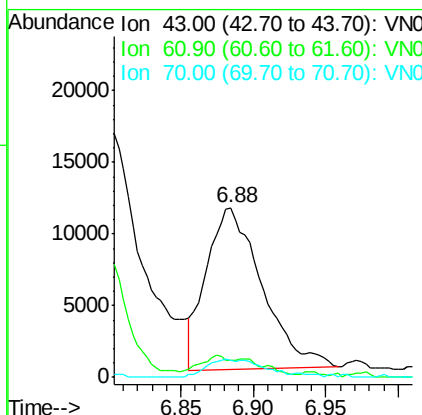
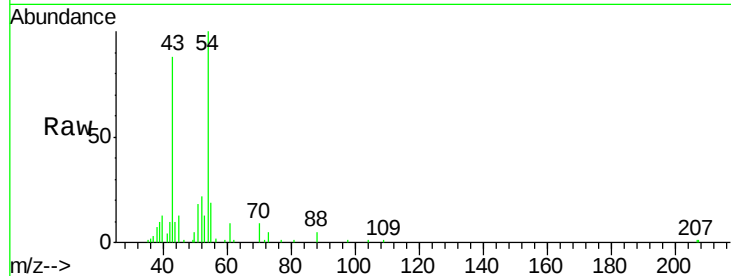
#37
Ethyl Acetate
Concen: 4.983 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	0.0	10.2	15.4#	
70	5.7	3.0	4.6#	

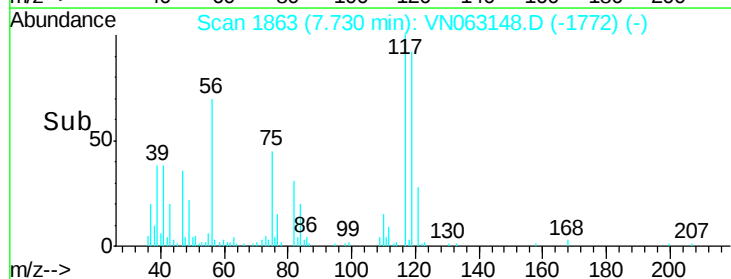
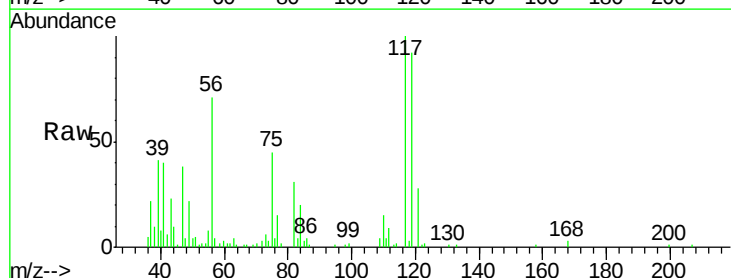
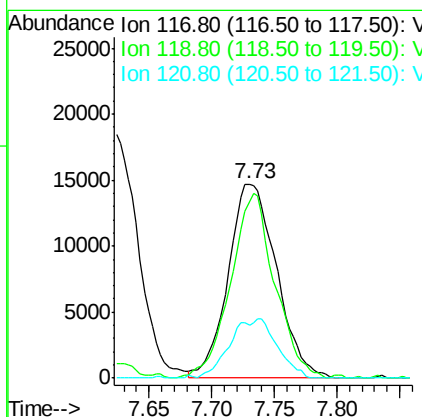
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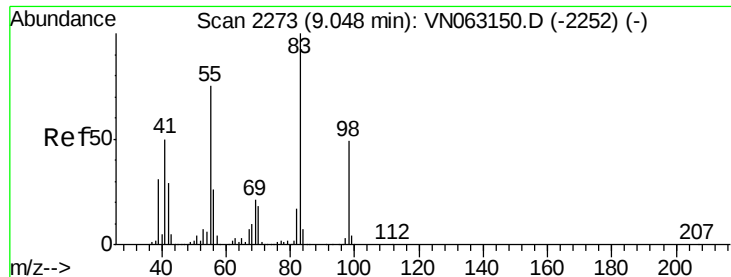
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#38
Carbon Tetrachloride
Concen: 4.385 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	89.9	77.2	115.8	
121	27.6	25.6	38.4	





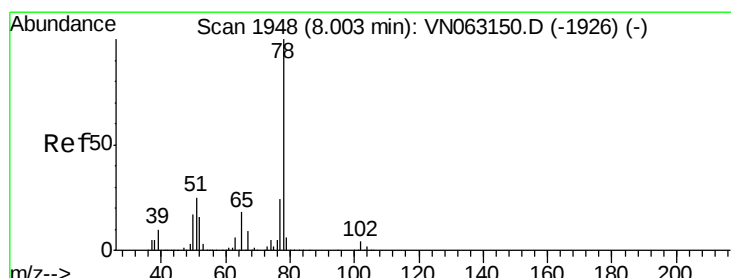
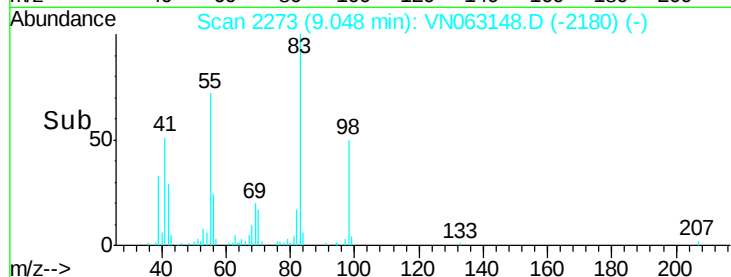
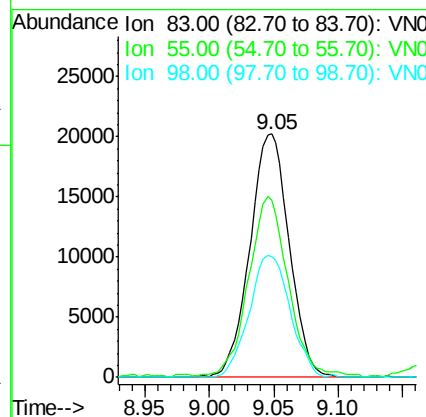
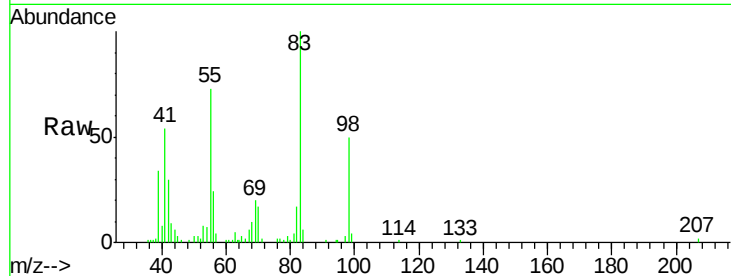
#39
Methvlcvclohexane
Concen: 4.905 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	60.3	90.5
98	49.7	38.9	58.3

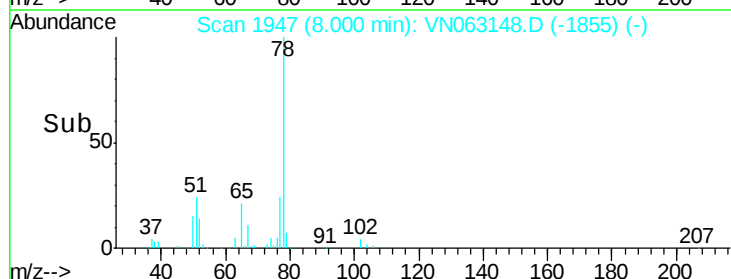
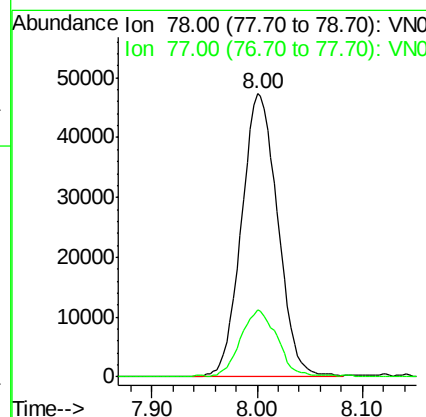
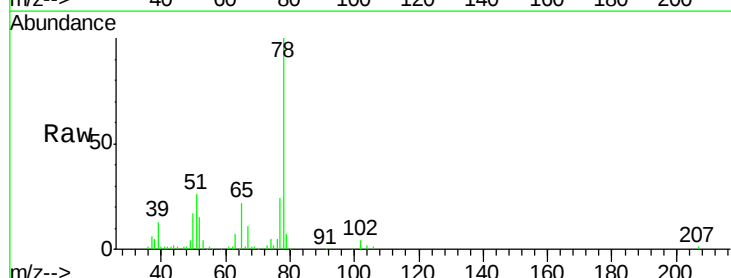
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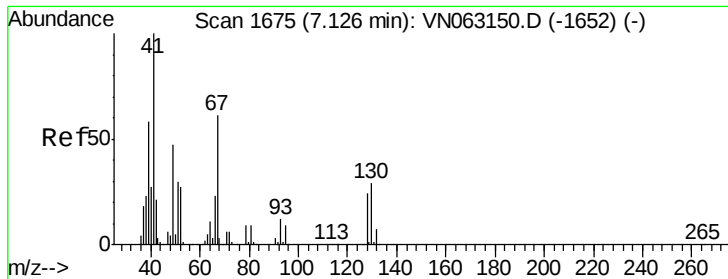
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#40
Benzene
Concen: 4.429 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





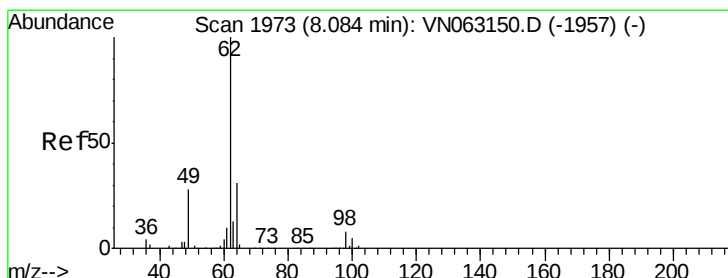
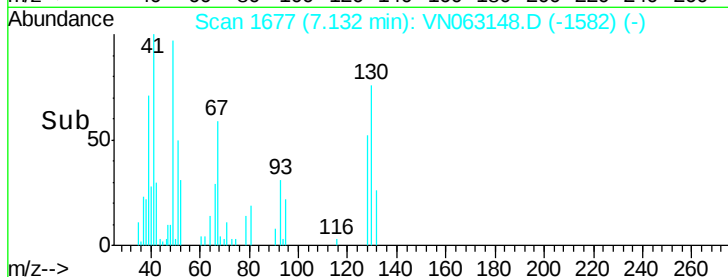
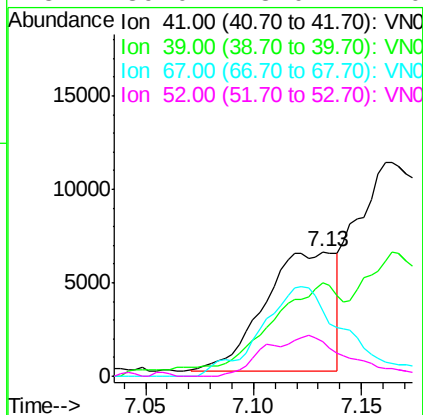
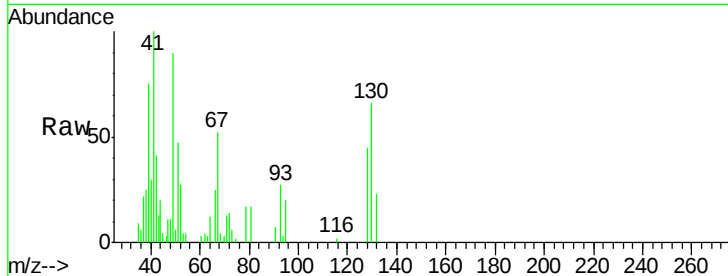
#41
Methacrylonitrile
Concen: 4.853 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	14688
Ion Ratio	Lower	Upper	
41	100		
39	76.8	46.6	70.0#
67	88.1	62.6	94.0
52	39.0	28.0	42.0

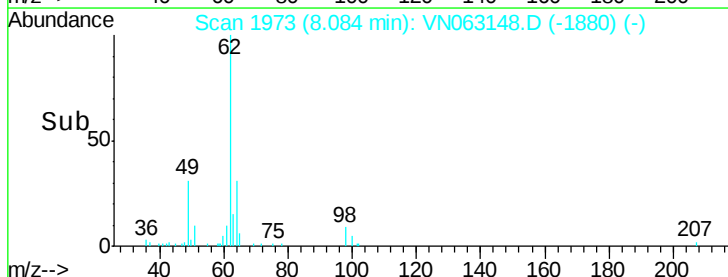
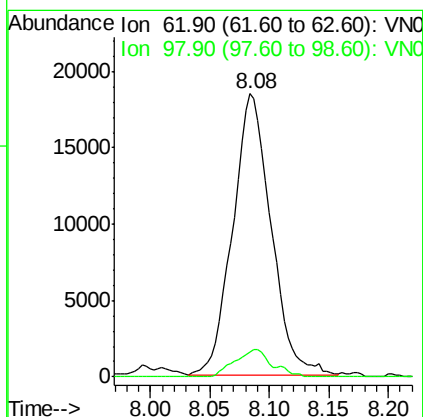
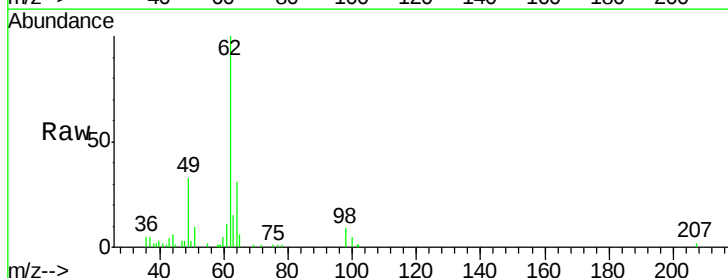
Manual Integrations
APPROVED

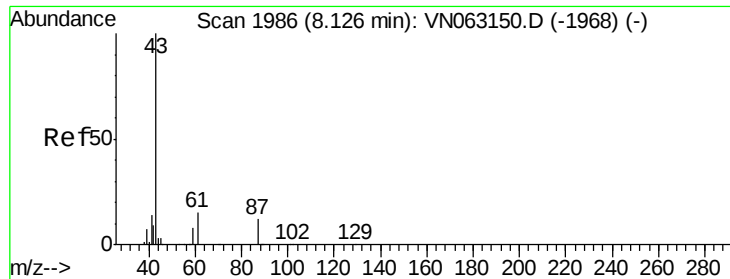
MMDadoda
9/1/2020 9:07:06 AM



#42
1,2-Dichloroethane
Concen: 4.730 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	62	Resp	40864
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	17.2





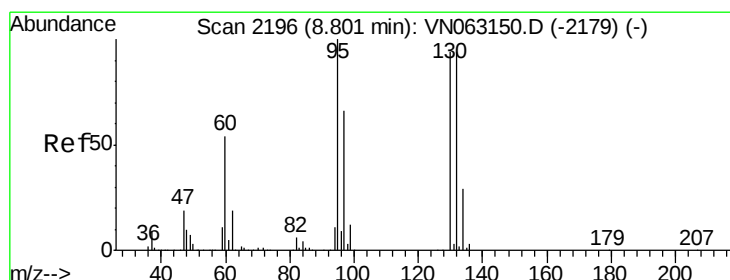
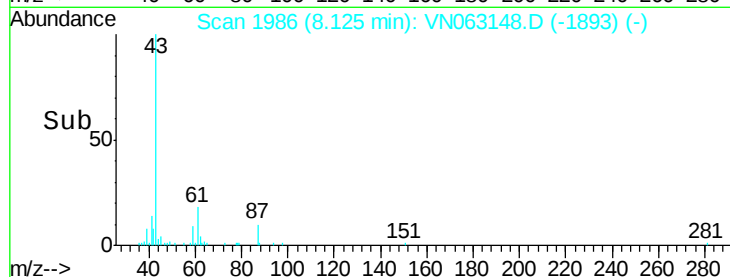
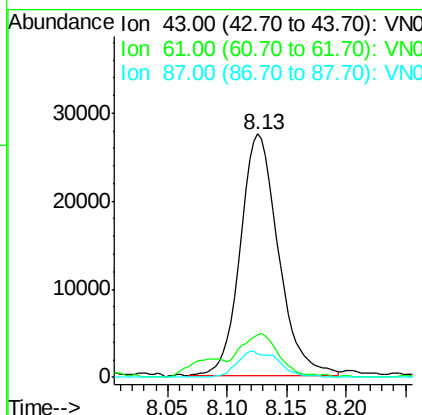
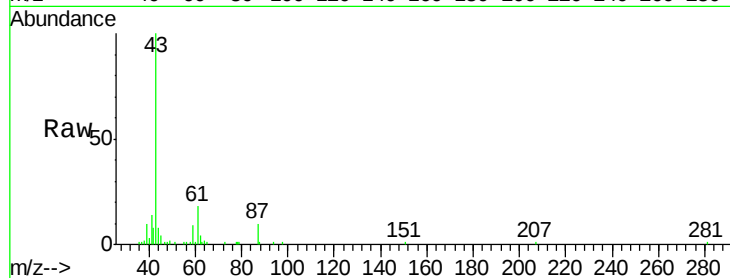
#43
Isopropyl Acetate
Concen: 5.685 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.3	20.2	30.4#
87	11.8	9.8	14.6

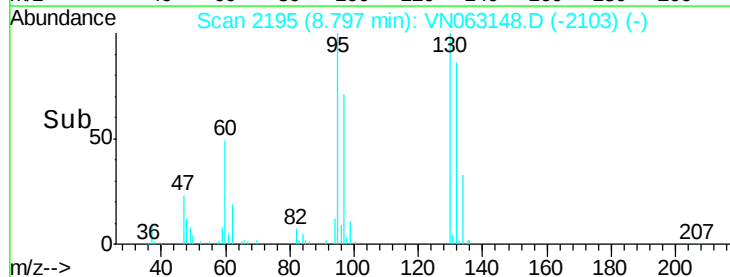
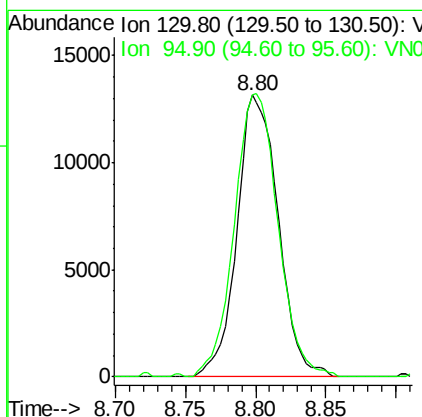
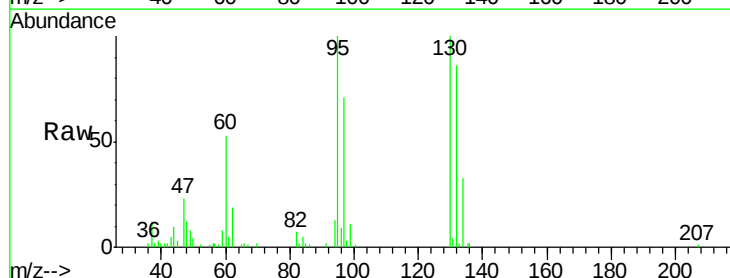
Manual Integrations
APPROVED

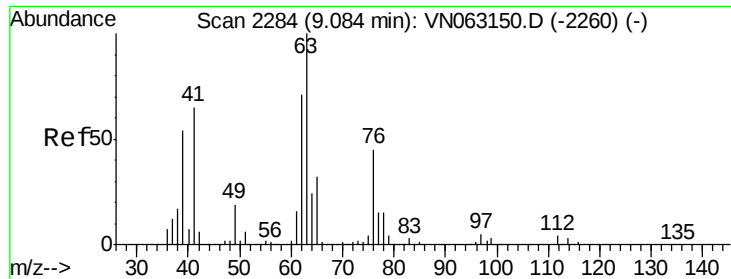
MMDadoda
9/1/2020 9:07:06 AM



#44
Trichloroethene
Concen: 4.062 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	212.0





#45

1,2-Dichloropropane

Concen: 4.671 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 32122

Ion Ratio Lower Upper

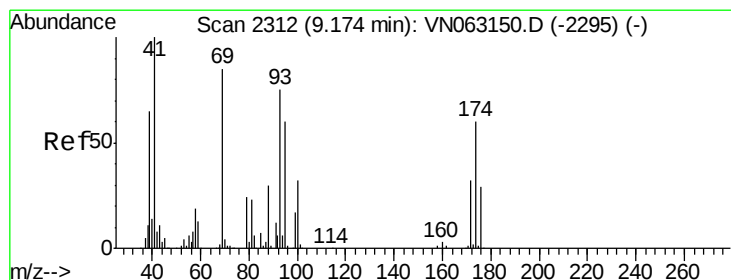
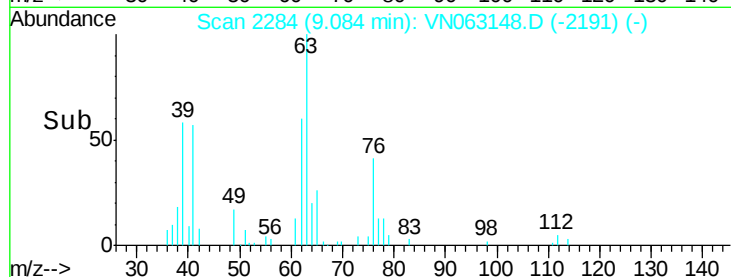
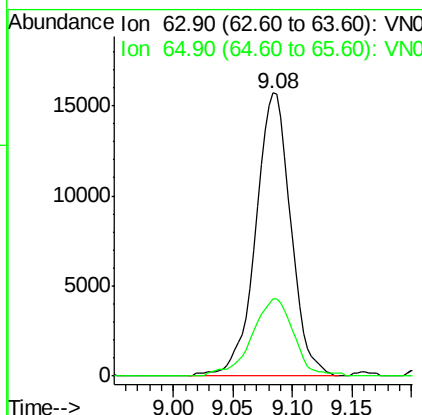
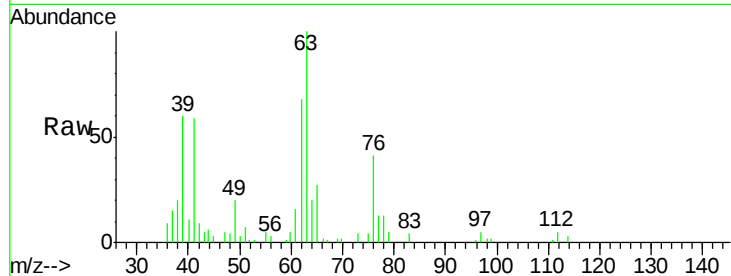
63 100

65 27.3 25.4 38.0

Manual Integrations
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9/1/2020 9:07:06 AM



#46

Dibromomethane

Concen: 4.410 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

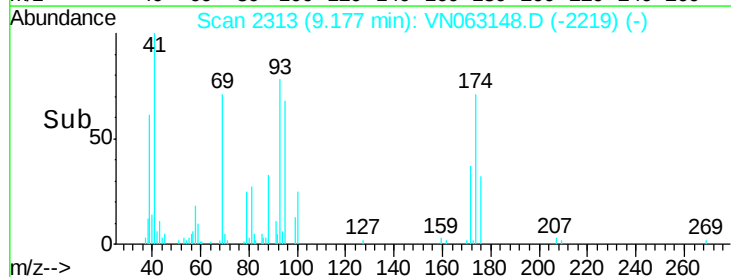
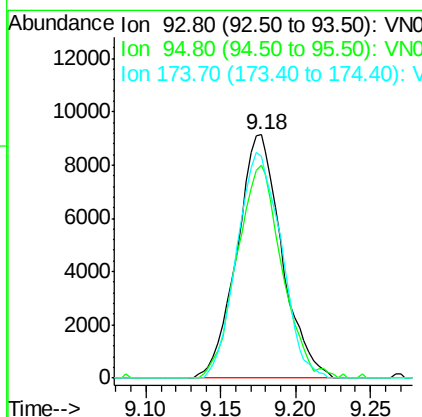
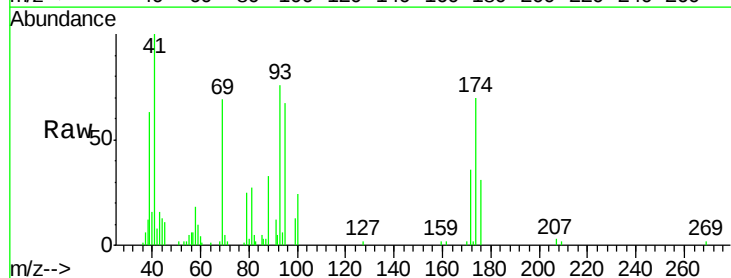
Tgt Ion: 93 Resp: 19043

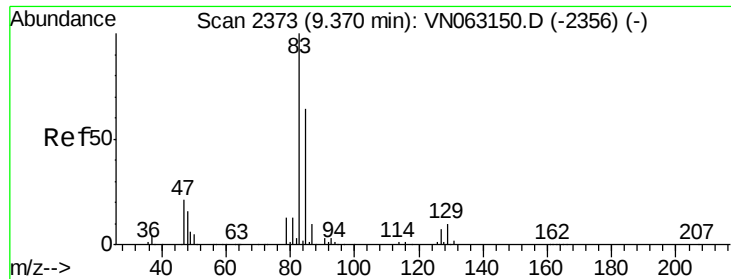
Ion Ratio Lower Upper

93 100

95 88.0 65.2 97.8

174 91.7 64.6 97.0





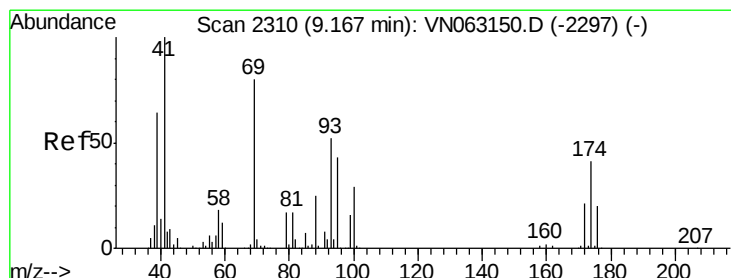
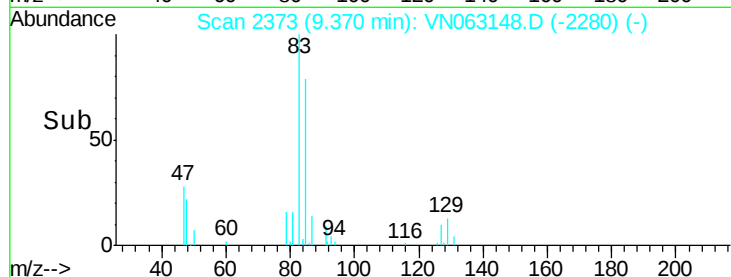
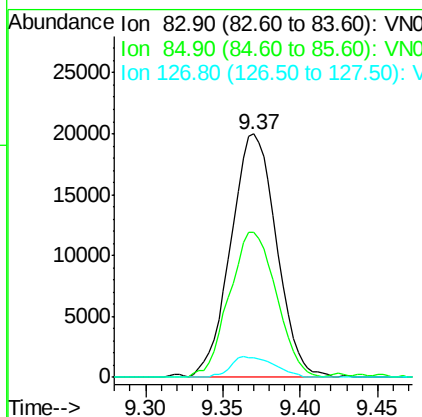
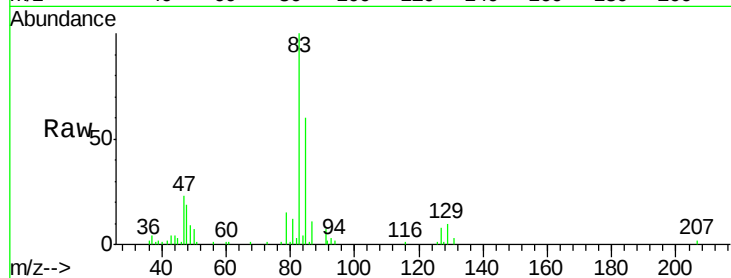
#47
Bromodichloromethane
Concen: 4.575 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.0	76.6
127	7.9	5.7	8.5

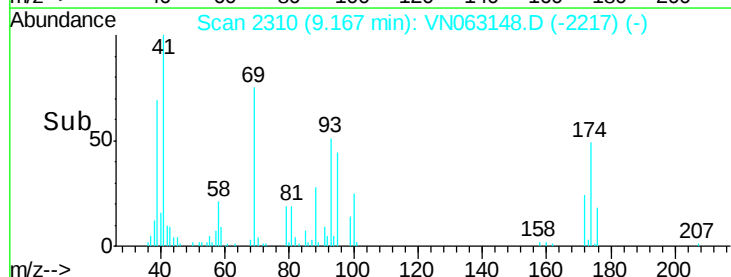
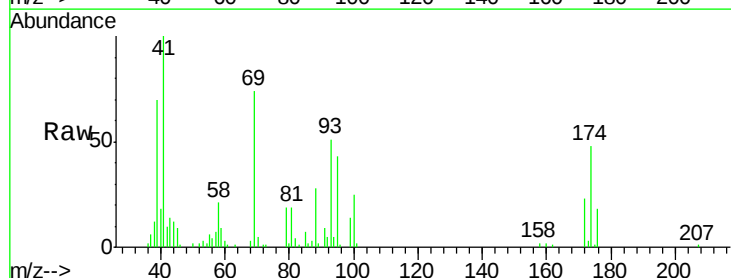
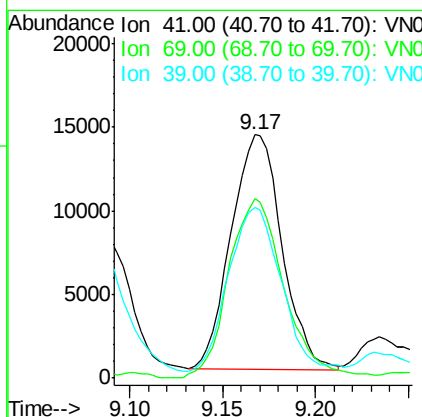
Manual Integrations
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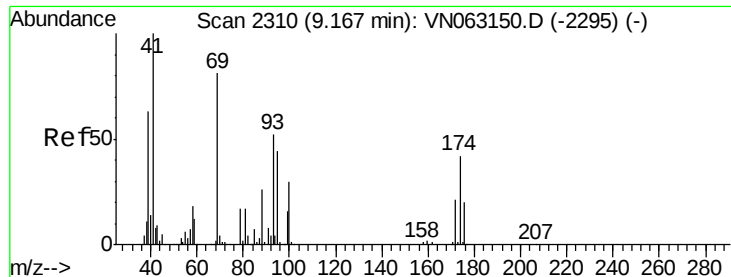
MMDadoda
9/1/2020 9:07:06 AM



#48
Methyl methacrylate
Concen: 5.093 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.6	65.9	98.9
39	72.5	52.0	78.0





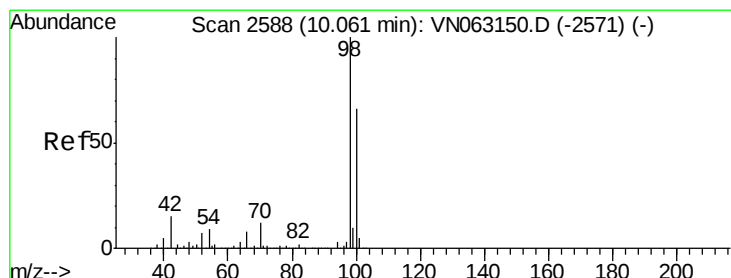
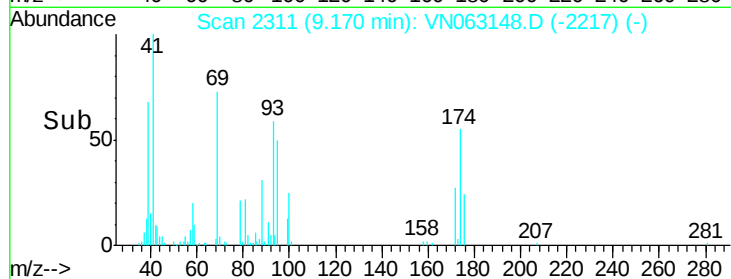
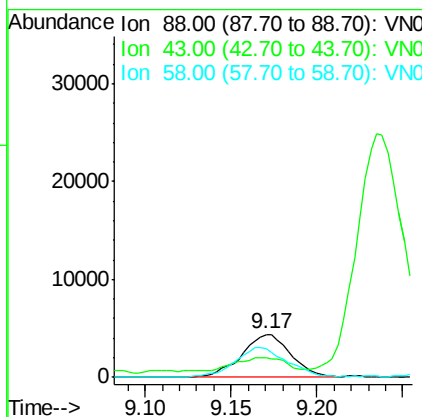
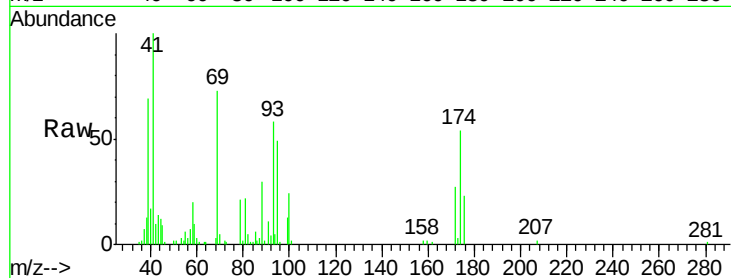
#49
 1,4-Dioxane
 Concen: 117.180 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	8754
Ion	Ratio	Lower	Upper
88	100		
43	29.8	28.6	42.8
58	73.8	53.2	79.8

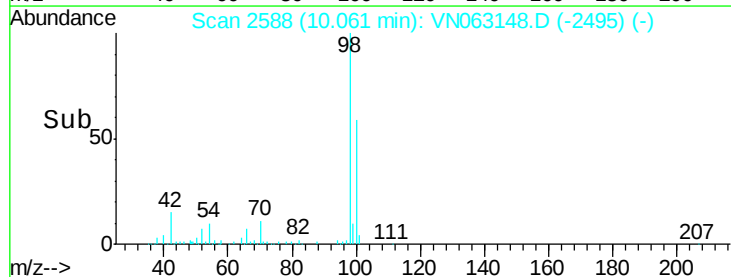
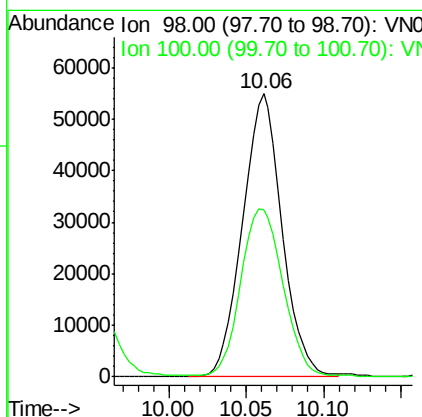
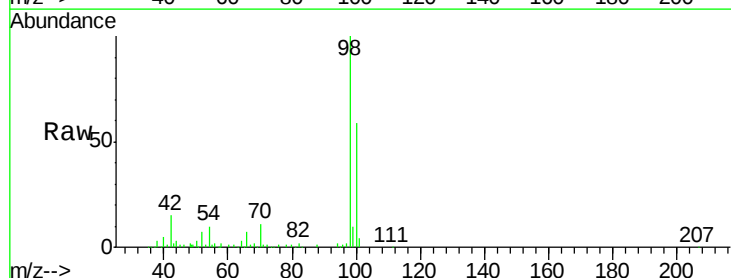
Manual Integrations
 APPROVED

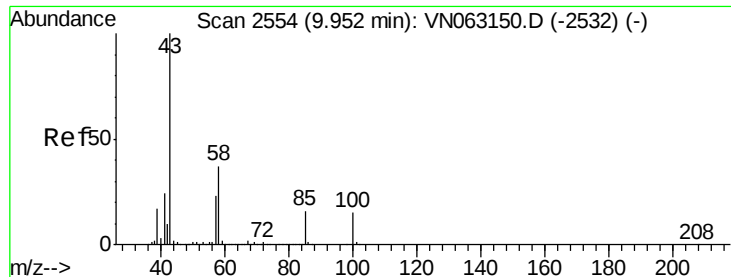
MMDadoda
 9/1/2020 9:07:06 AM



#50
 Toluene-d8
 Concen: 4.314 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion	98	Resp	97603
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 28.574 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 169475

Ion Ratio Lower Upper

43 100

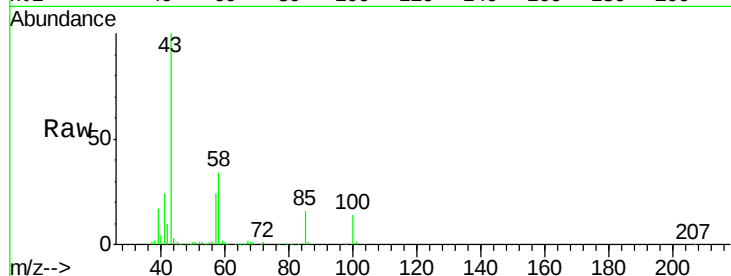
58 35.0 29.2 43.8

Manual Integrations

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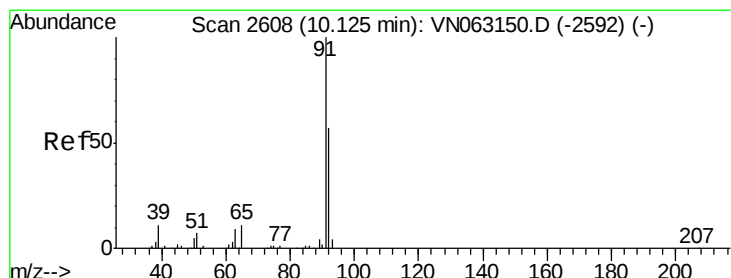
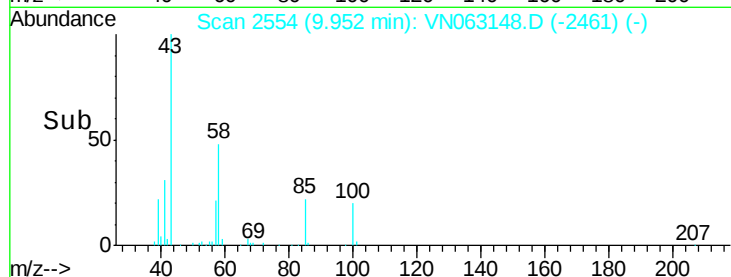
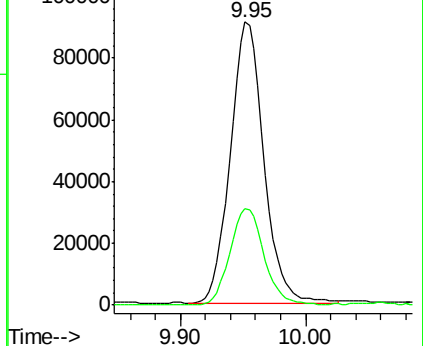
MMDadoda

9/1/2020 9:07:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.457 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN063148.D

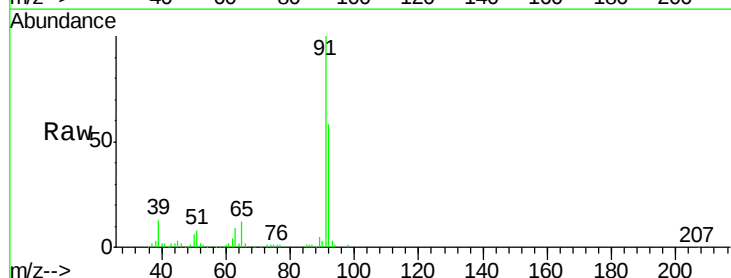
Acq: 31 Aug 2020 13:21

Tgt Ion: 92 Resp: 67773

Ion Ratio Lower Upper

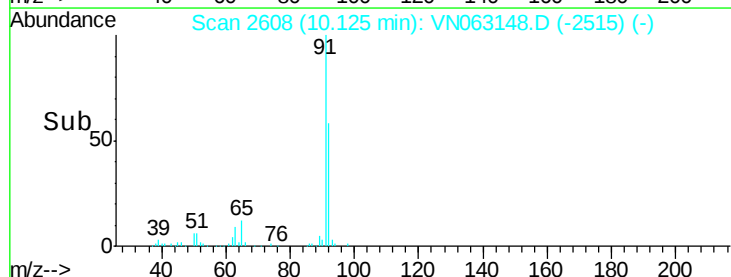
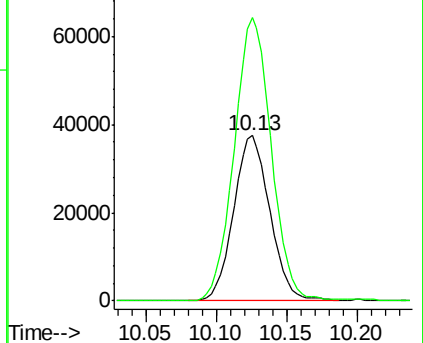
92 100

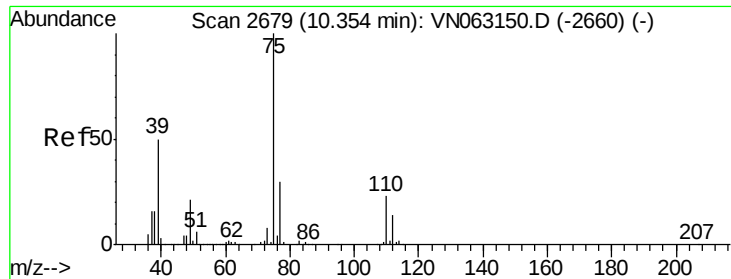
91 174.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





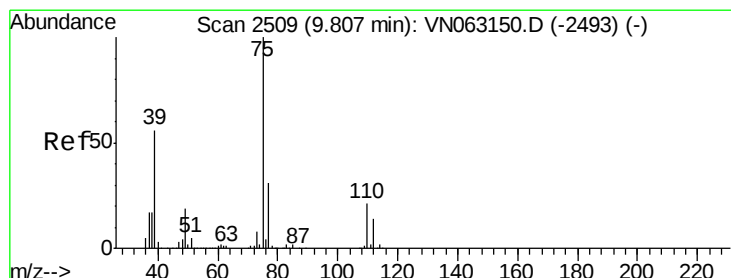
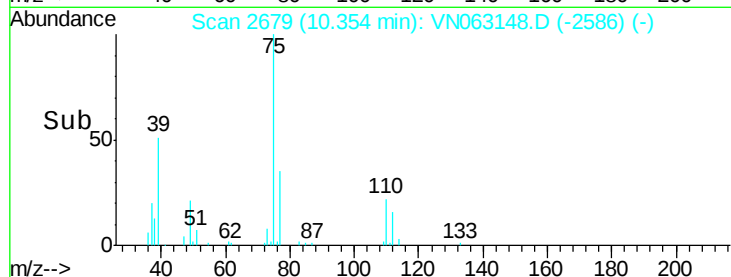
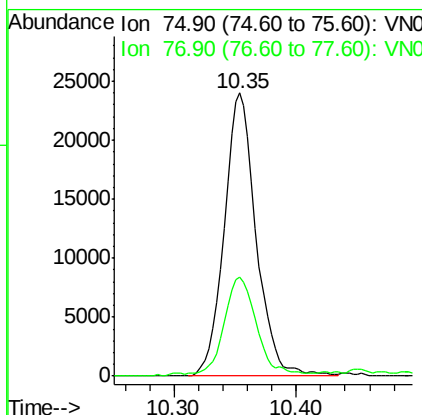
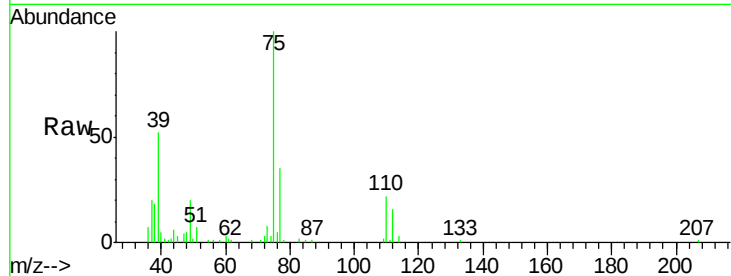
#53
t-1,3-Dichloropropene
Concen: 4.865 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	24.2	36.2

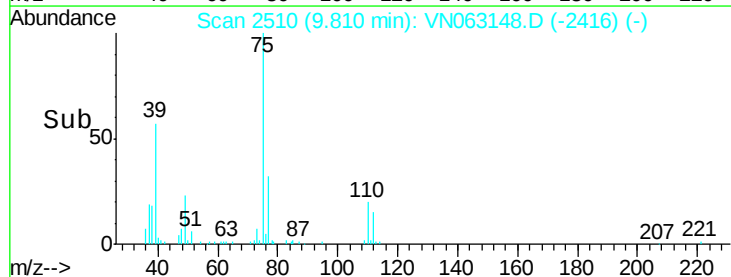
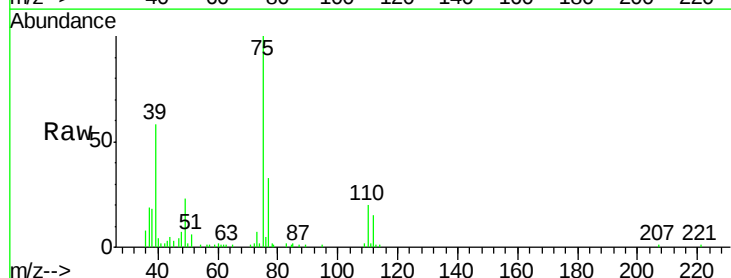
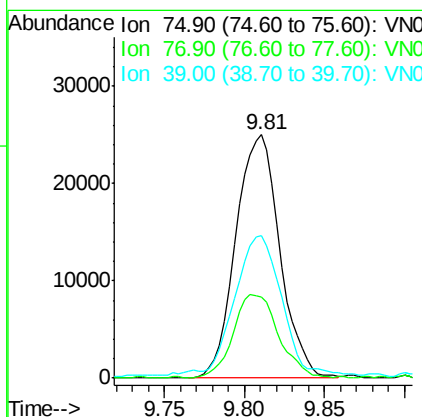
Manual Integrations
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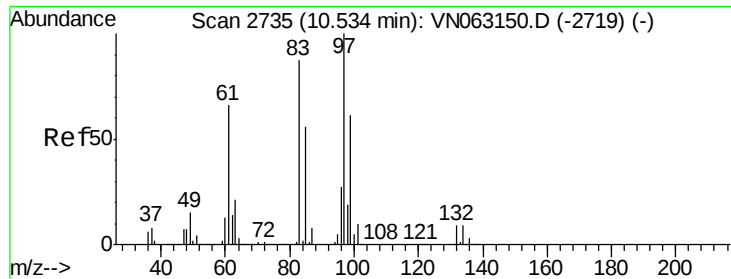
MMDadoda
9/1/2020 9:07:06 AM



#54
cis-1,3-Dichloropropene
Concen: 4.777 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.8	37.2
39	56.0	45.0	67.6





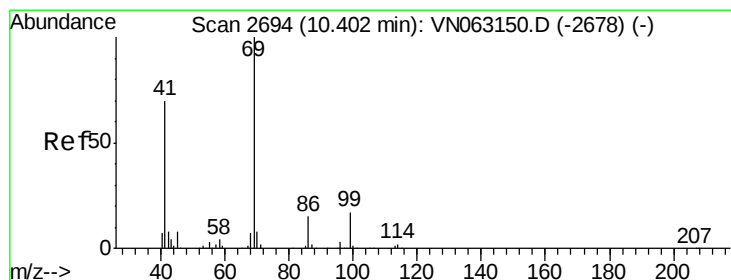
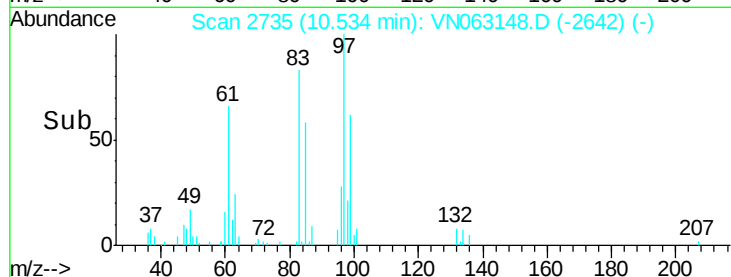
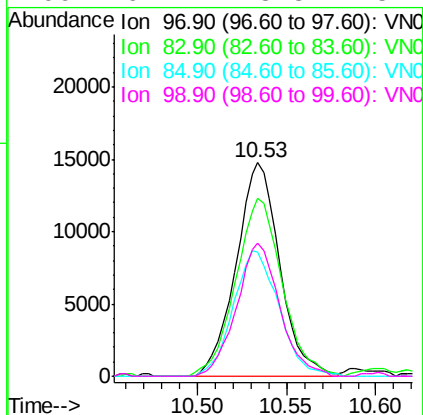
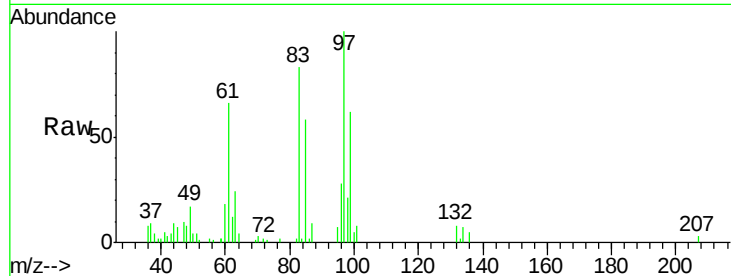
#55
 1,1,2-Trichloroethane
 Concen: 3.985 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	25135
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.8	104.8
85	58.4	44.9	67.3
99	62.4	48.8	73.2

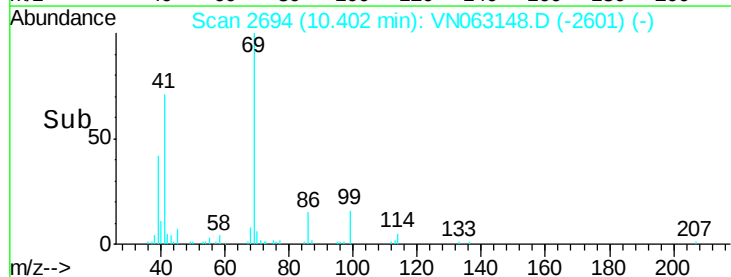
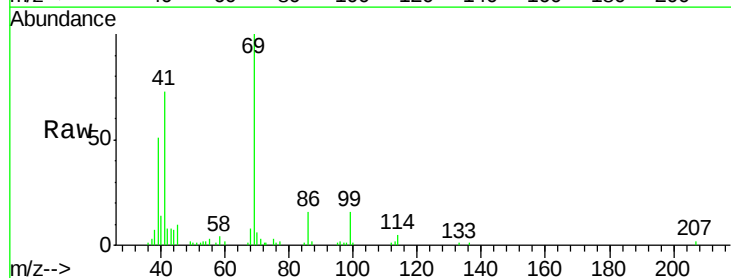
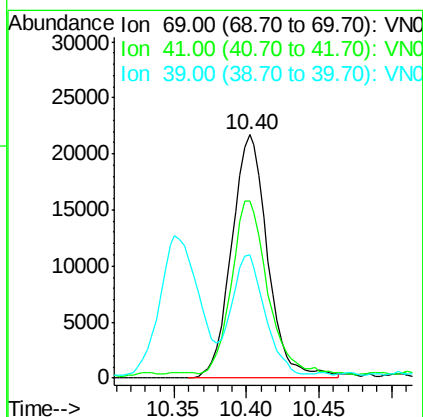
Manual Integrations
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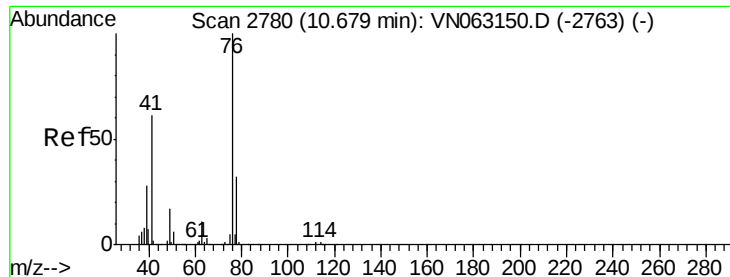
MMDadoda
 9/1/2020 9:07:06 AM



#56
 Ethyl methacrylate
 Concen: 4.971 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion:	69	Resp:	37464
Ion	Ratio	Lower	Upper
69	100		
41	71.9	55.5	83.3
39	45.4	38.2	57.2





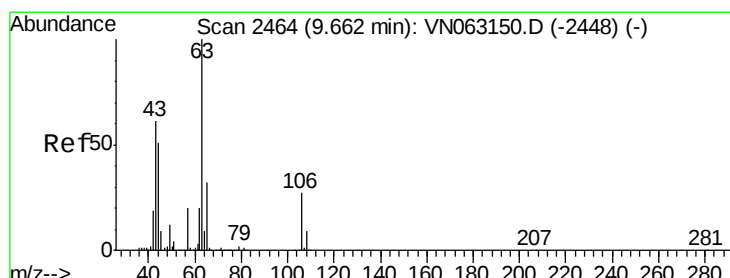
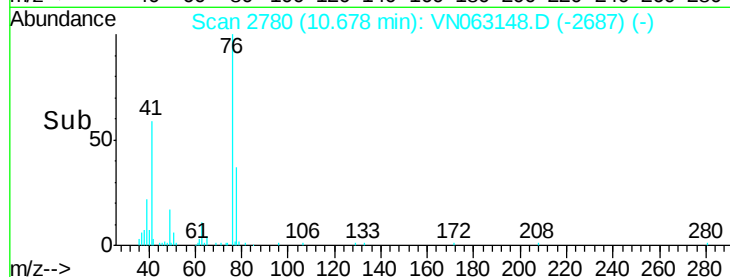
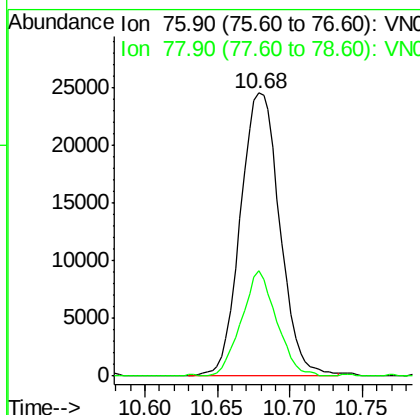
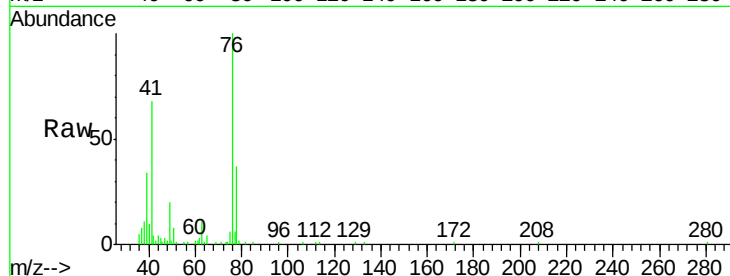
#57
 1,3-Dichloropropane
 Concen: 4.629 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.5	38.3

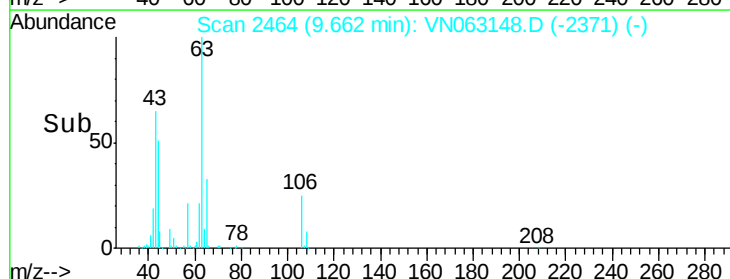
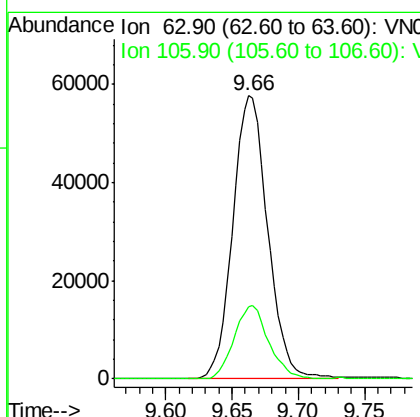
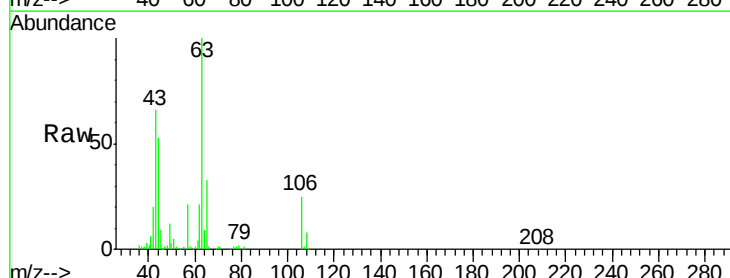
Manual Integrations
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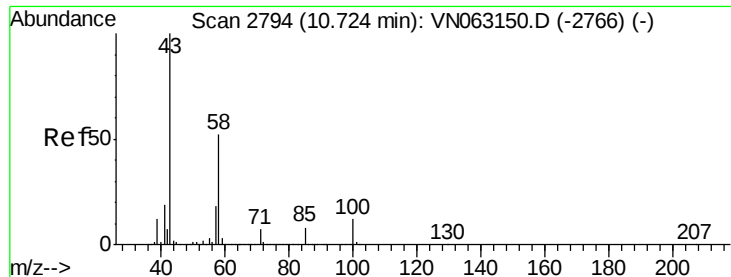
MMDadoda
 9/1/2020 9:07:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 30.185 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	21.8	32.6





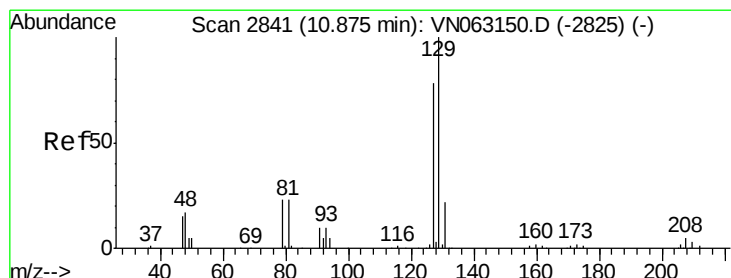
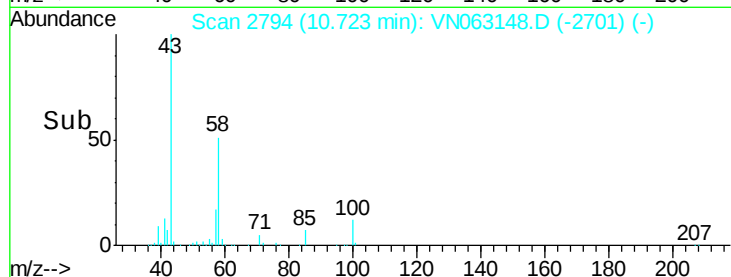
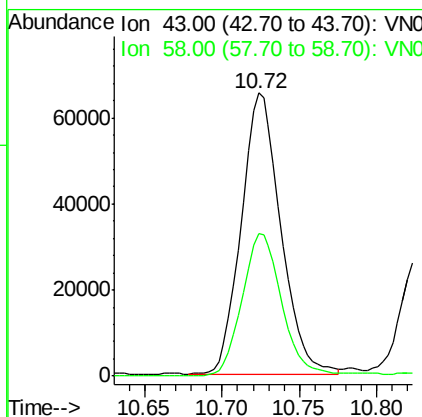
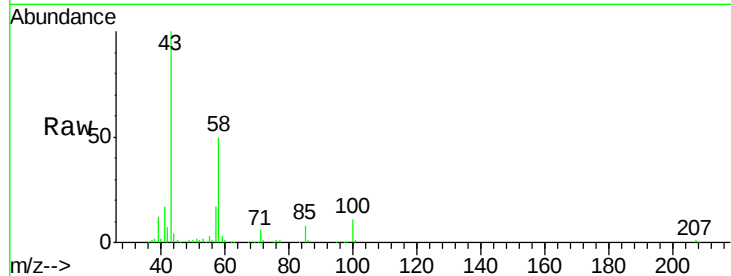
#59
2-Hexanone
Concen: 28.814 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 115974
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.8

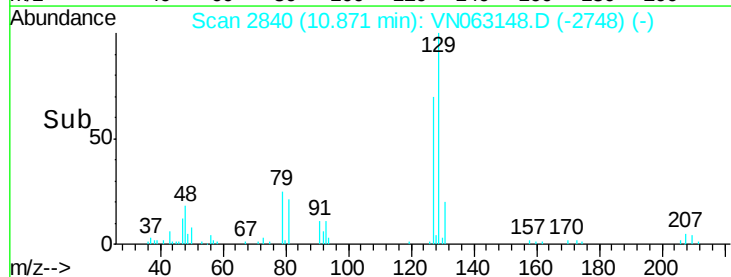
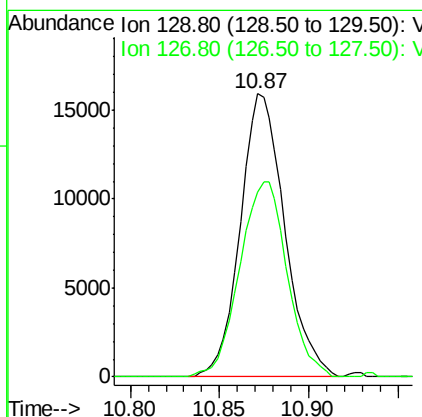
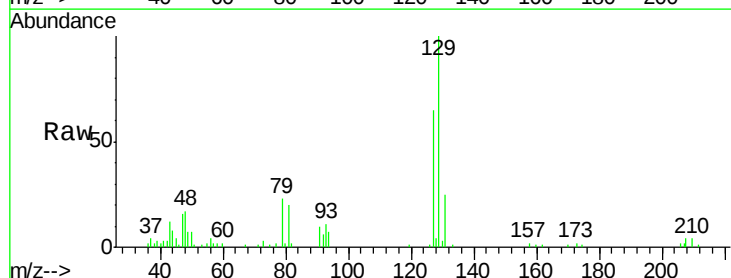
Manual Integrations
APPROVED

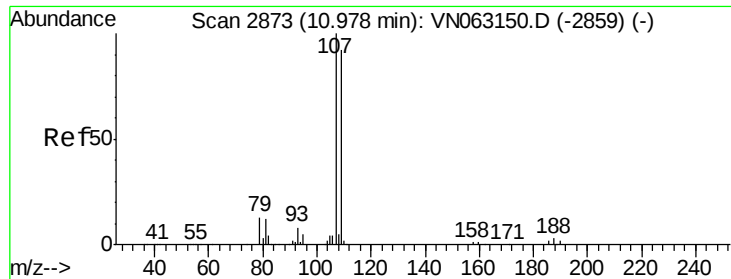
MMDadoda
9/1/2020 9:07:06 AM



#60
Dibromochloromethane
Concen: 4.020 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion: 129 Resp: 27700
Ion Ratio Lower Upper
129 100
127 73.7 39.0 117.0





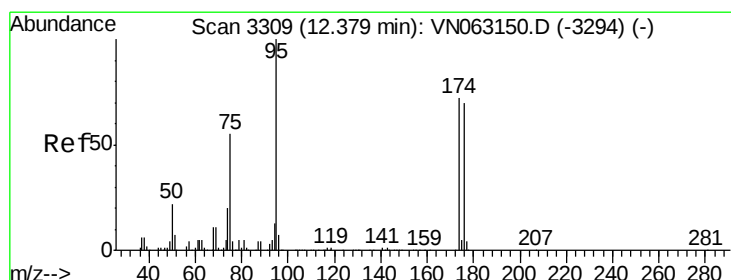
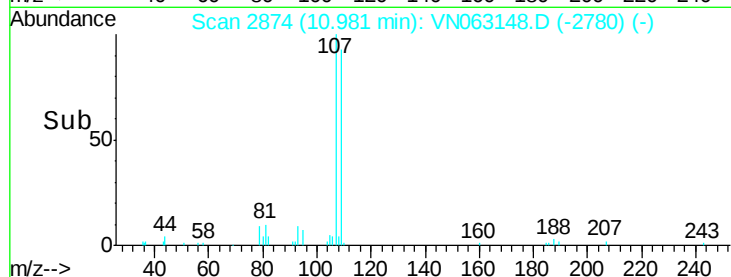
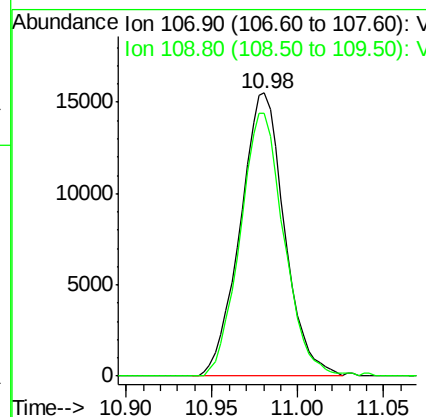
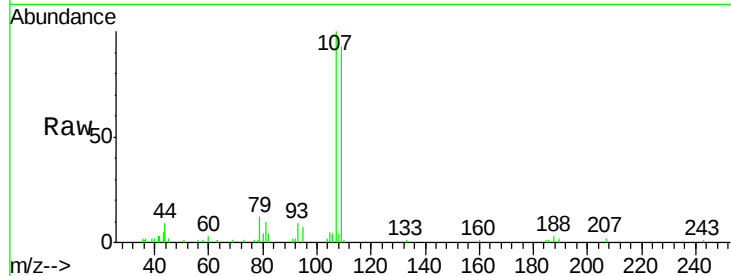
#61
 1,2-Dibromoethane
 Concen: 4.672 ug/l
 RT: 10.98 min Scan# 2874
 Delta R.T. 0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 27774
 Ion Ratio Lower Upper
 107 100
 109 92.0 73.4 110.0

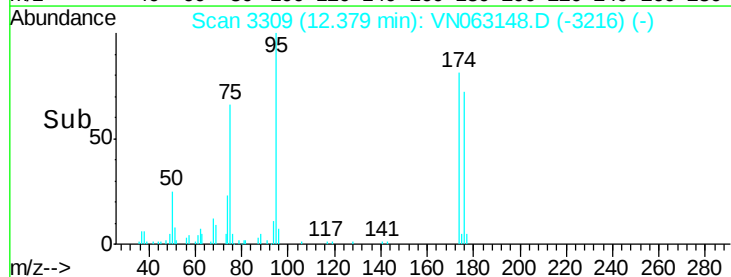
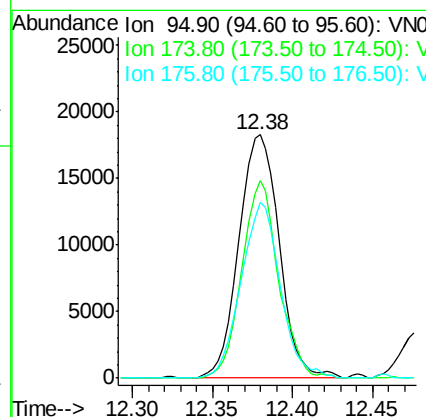
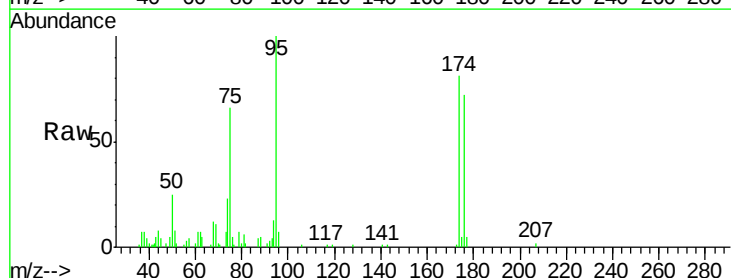
Manual Integrations
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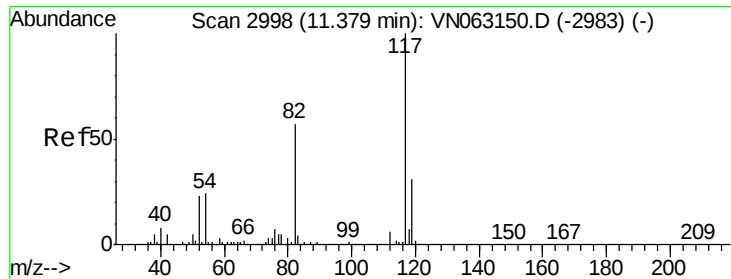
MMDadoda
 9/1/2020 9:07:06 AM



#62
 4-Bromofluorobenzene
 Concen: 4.025 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion: 95 Resp: 31461
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 143.8
 176 70.2 0.0 138.4





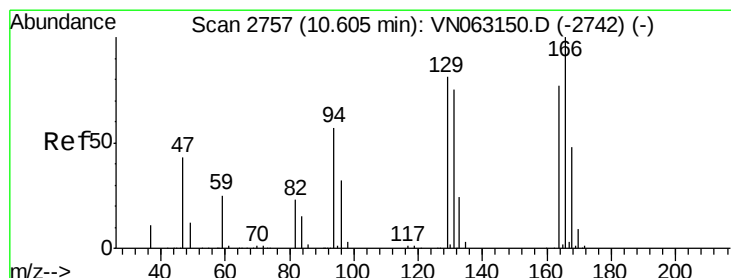
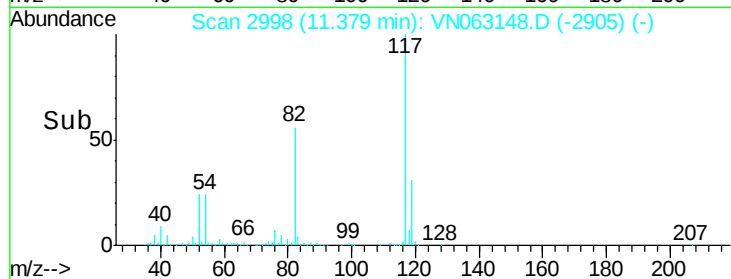
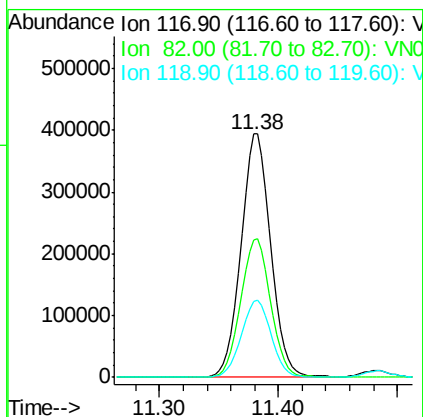
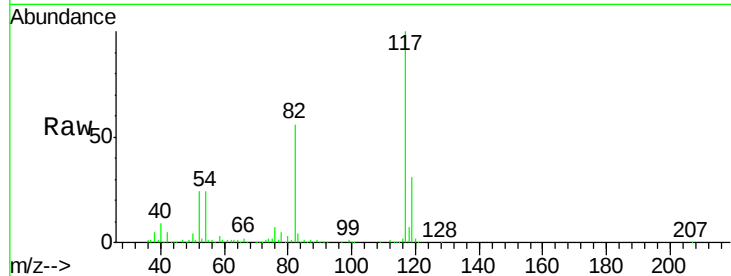
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	31.1	24.6	37.0

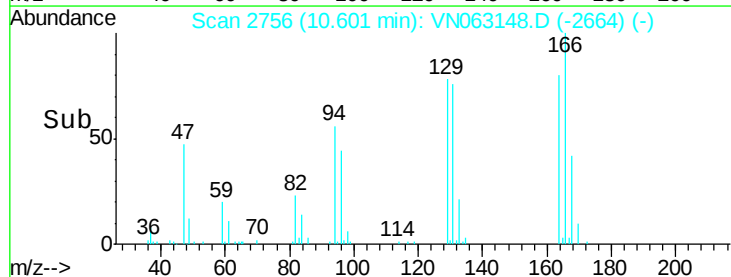
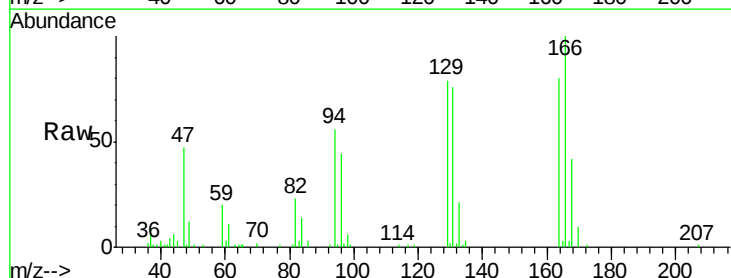
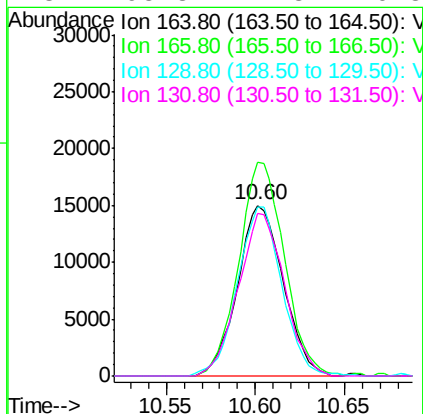
Manual Integrations
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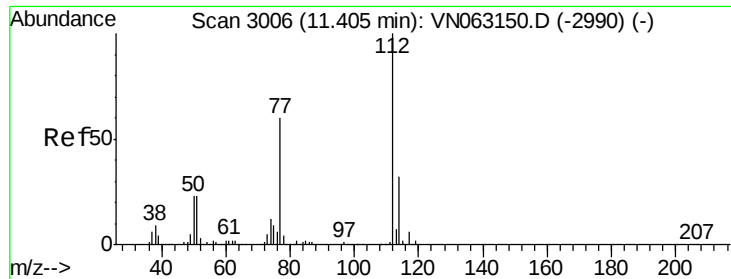
MMDadoda
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#64
Tetrachloroethene
Concen: 4.511 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.4	155.2
129	99.6	83.4	125.0
131	95.3	77.8	116.8





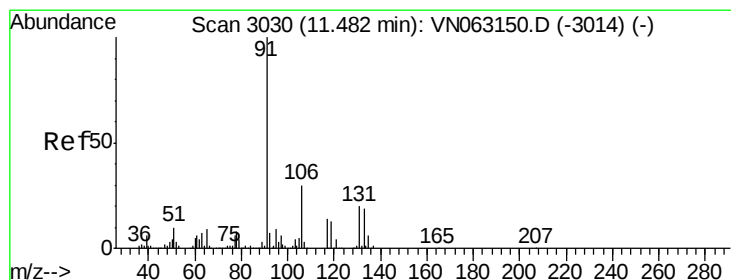
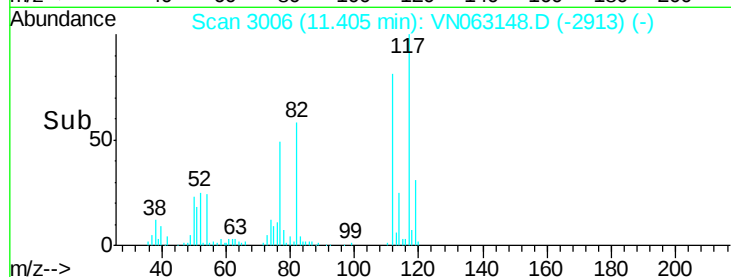
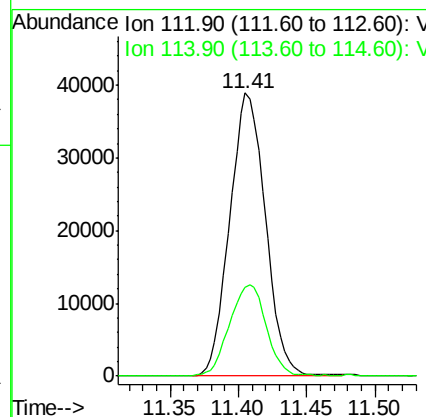
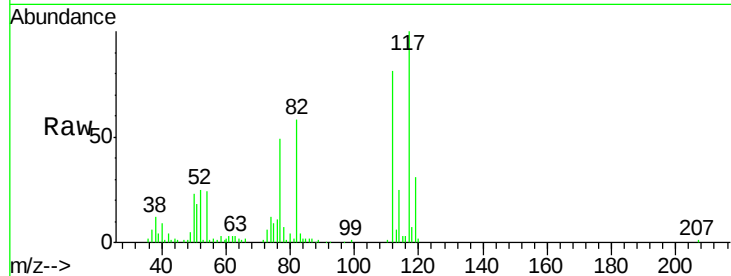
#65
Chlorobenzene
Concen: 4.244 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.2	37.8

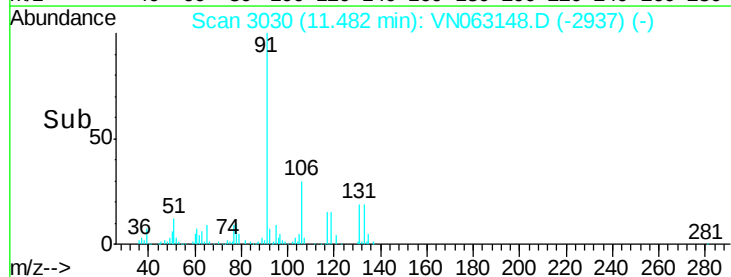
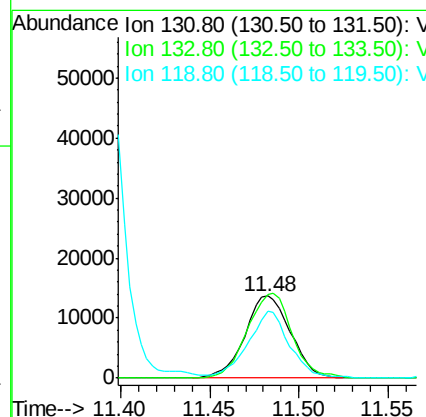
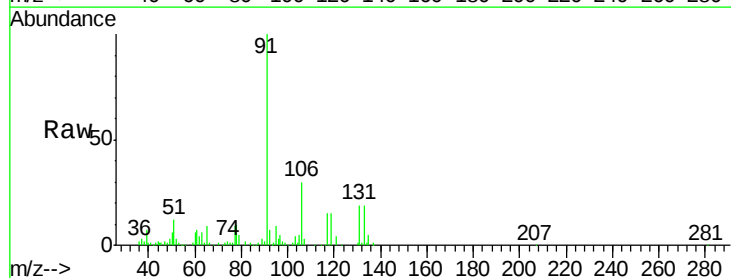
Manual Integrations
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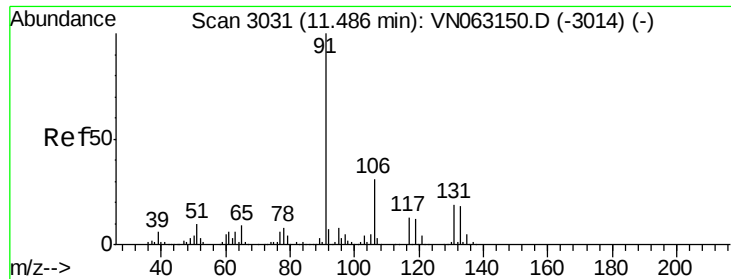
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#66
1,1,1,2-Tetrachloroethane
Concen: 3.759 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.4	47.3	142.0
119	74.7	32.4	97.0





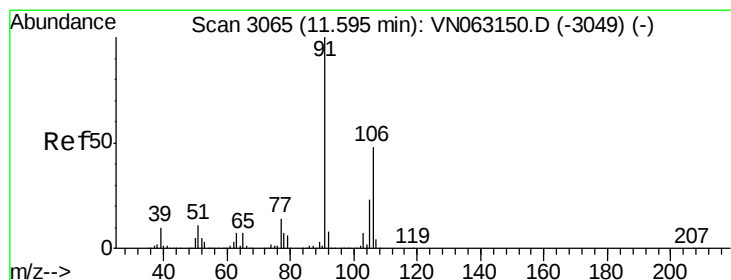
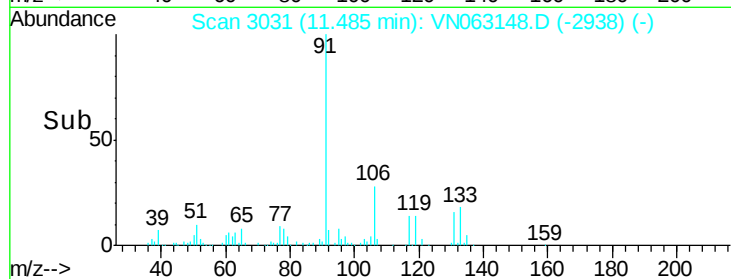
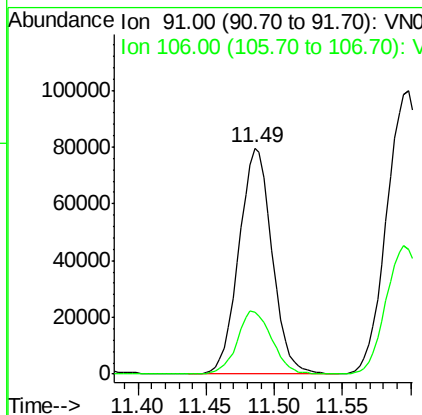
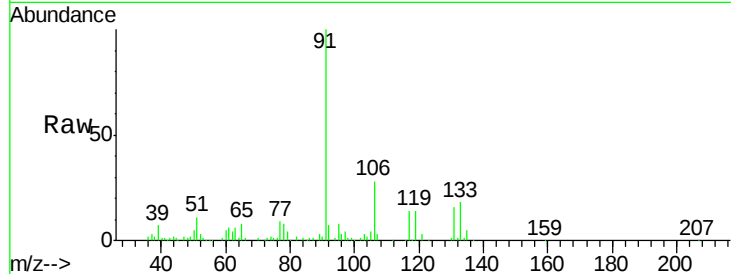
#67
Ethyl Benzene
Concen: 4.917 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 134717
Ion Ratio Lower Upper
91 100
106 27.6 24.4 36.6

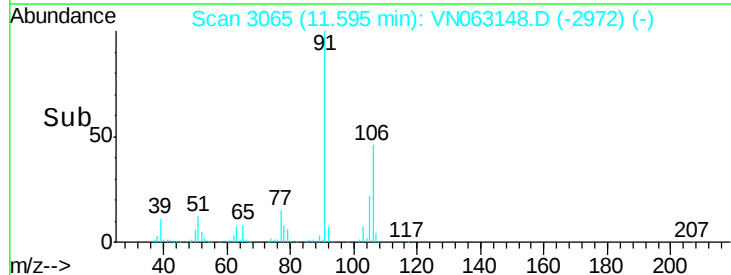
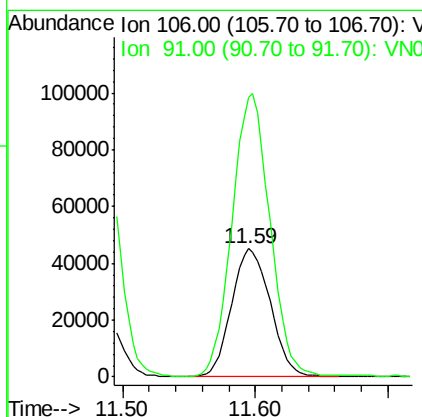
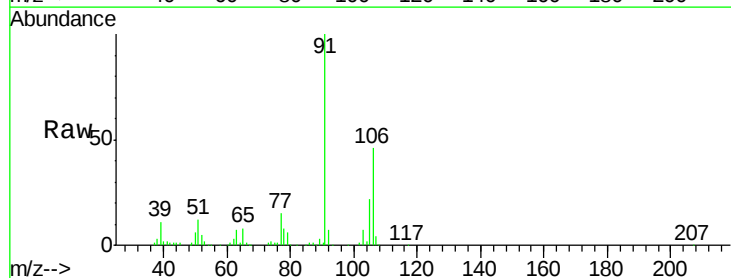
Manual Integrations
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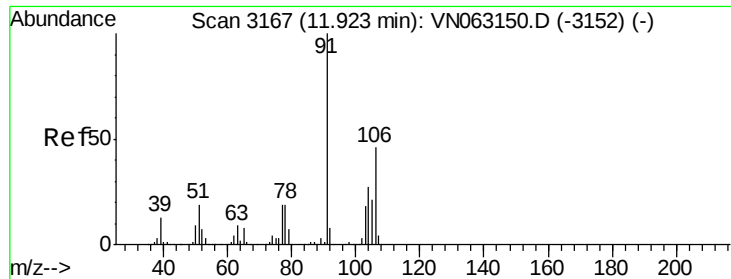
MMDadoda
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#68
m/p-Xylenes
Concen: 8.969 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion: 106 Resp: 92093
Ion Ratio Lower Upper
106 100
91 213.5 166.7 250.1





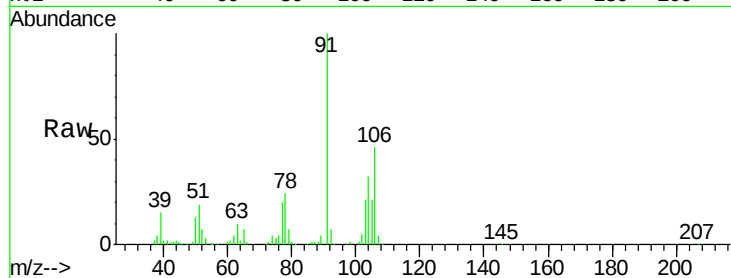
#69
o-Xylene
Concen: 4.587 ug/l
RT: 11.93 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

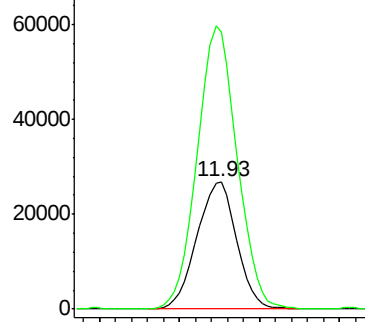
Tot Ion:106 Resp: 45378
Ion Ratio Lower Upper
106 100
91 223.4 108.6 325.6

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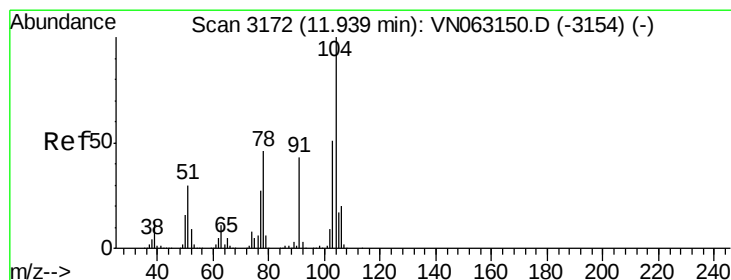
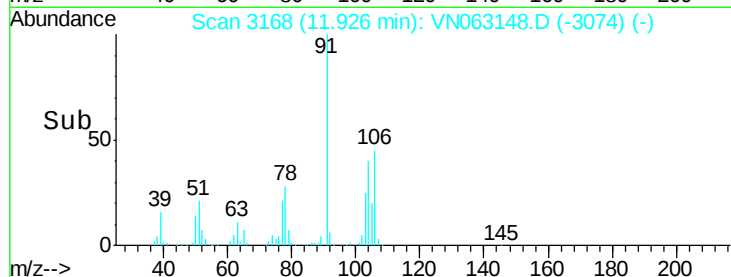
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

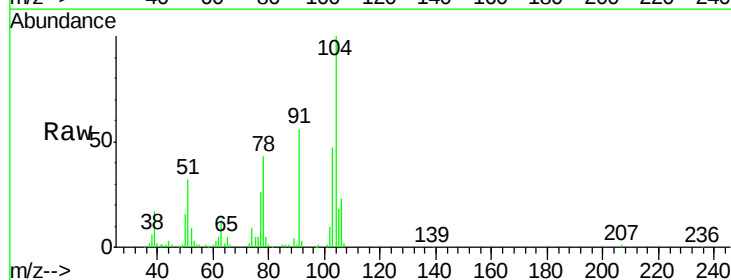


Time-->

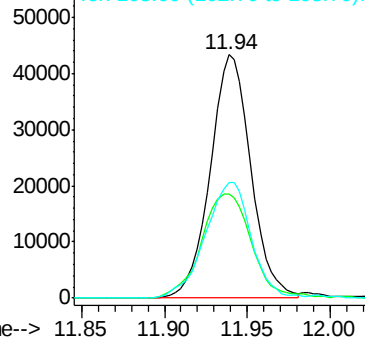


#70
Styrene
Concen: 4.599 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

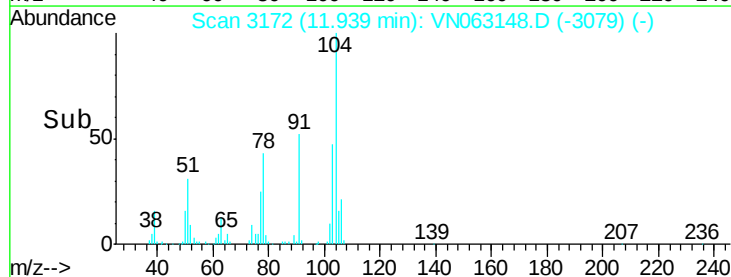
Tgt Ion:104 Resp: 74057
Ion Ratio Lower Upper
104 100
78 53.0 41.0 61.6
103 53.8 43.8 65.8

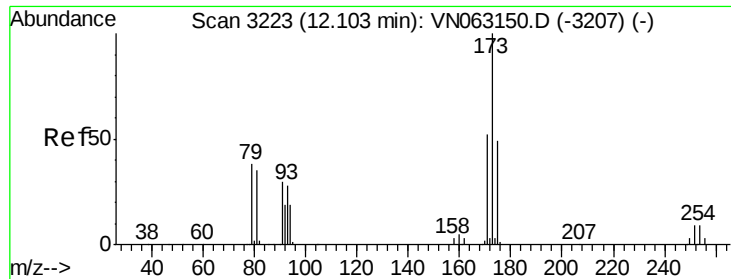


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 3.470 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

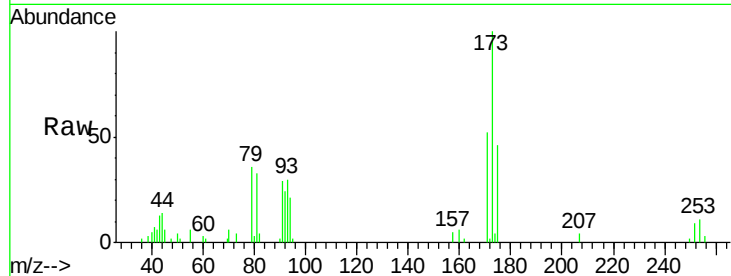
ClientSampleId :

VSTDIC005

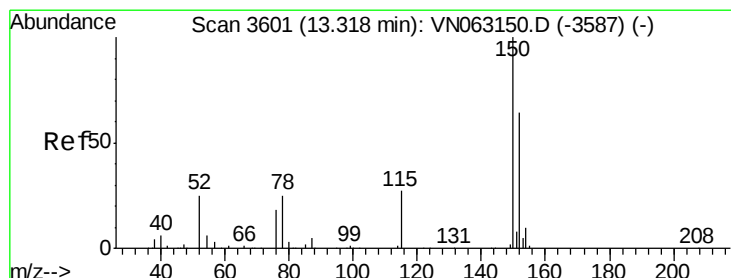
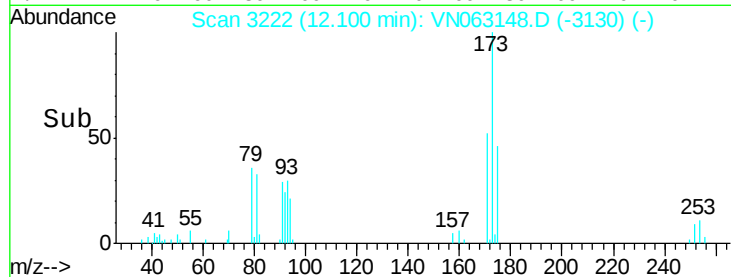
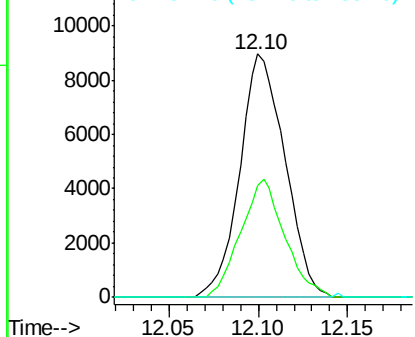
Tot Ion:	173	Resp:	15811
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.6	73.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

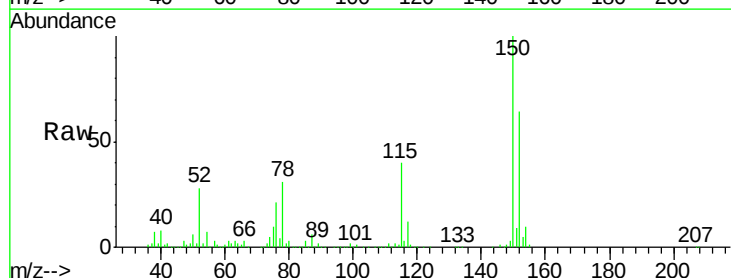
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

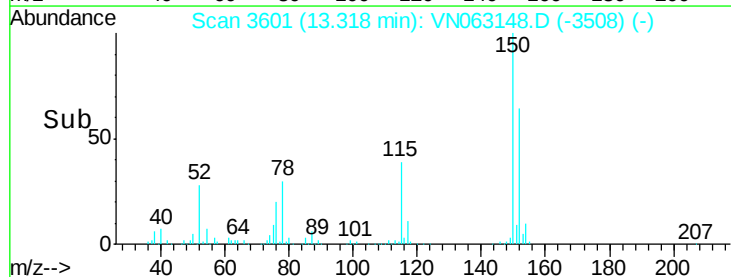
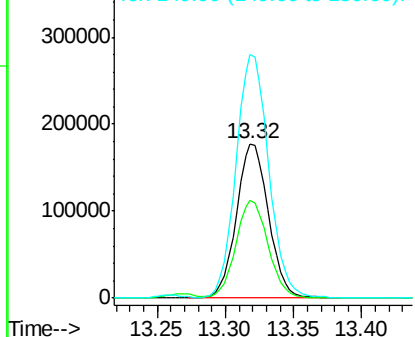
Lab File: VN063148.D

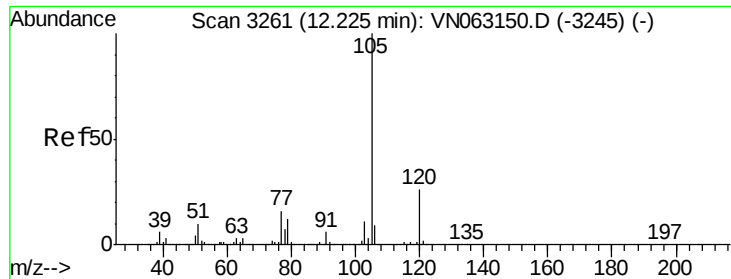
Acq: 31 Aug 2020 13:21

Tgt Ion:	152	Resp:	289918
Ion Ratio	Lower	Upper	
152	100		
115	63.2	32.0	96.2
150	160.0	0.0	353.0



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





#73

Isopropylbenzene

Concen: 5.474 ug/l

RT: 12.22 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 122425

Ion Ratio Lower Upper

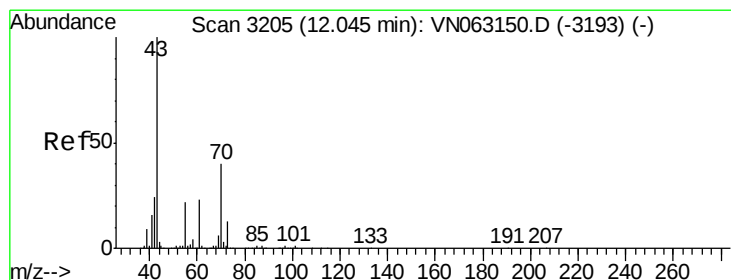
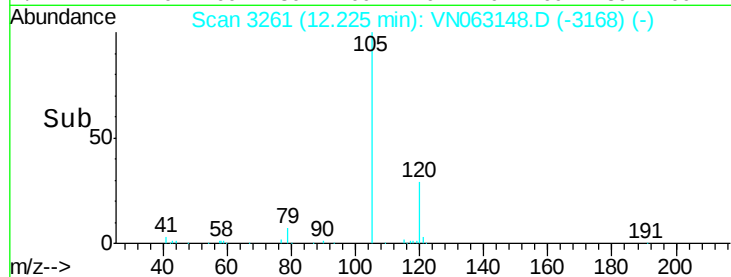
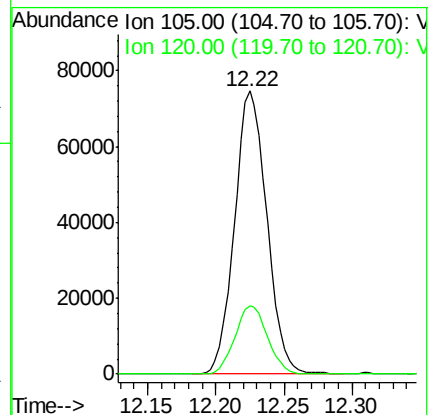
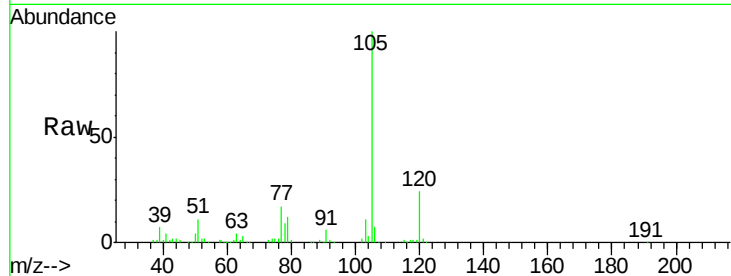
105 100

120 24.4 12.9 38.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 6.143 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion: 43 Resp: 44635

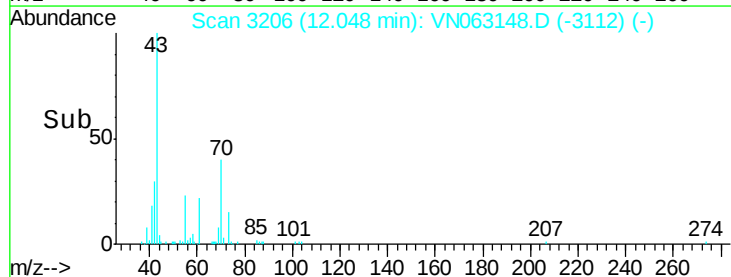
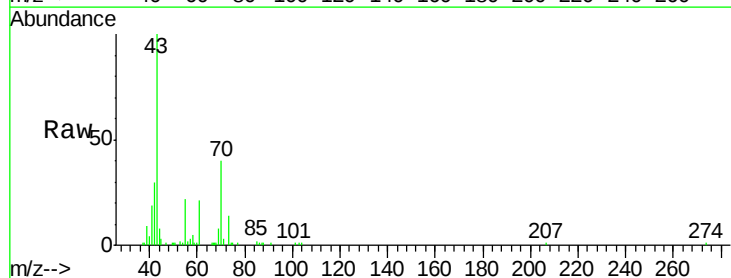
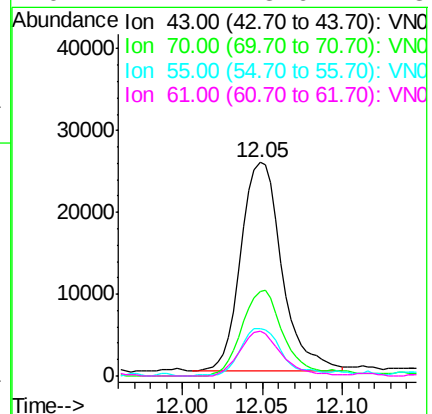
Ion Ratio Lower Upper

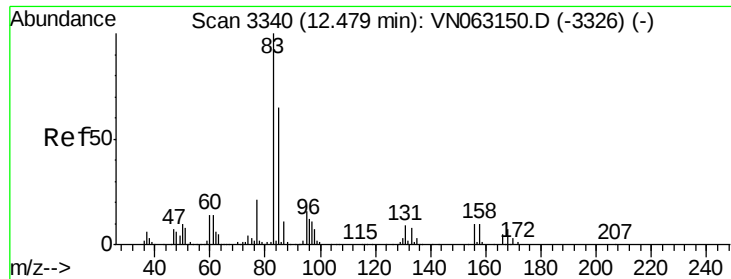
43 100

70 41.2 32.1 48.1

55 23.5 17.4 26.0

61 21.7 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.017 ug/l

RT: 12.48 min Scan# 3341

Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

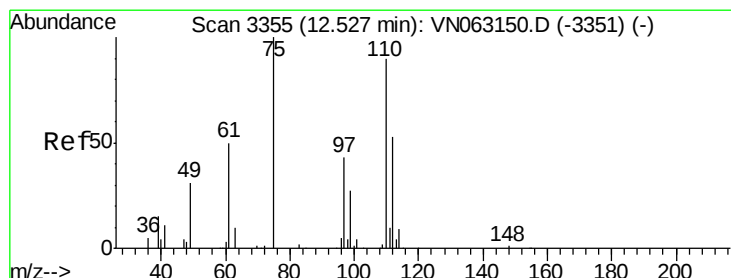
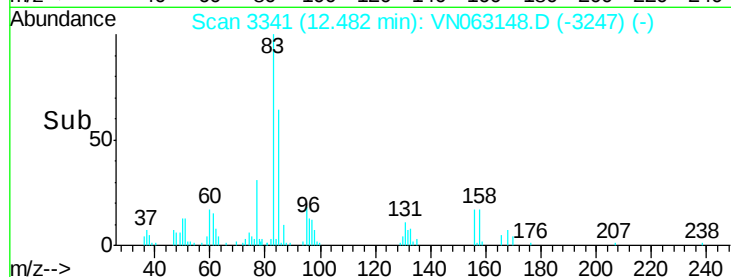
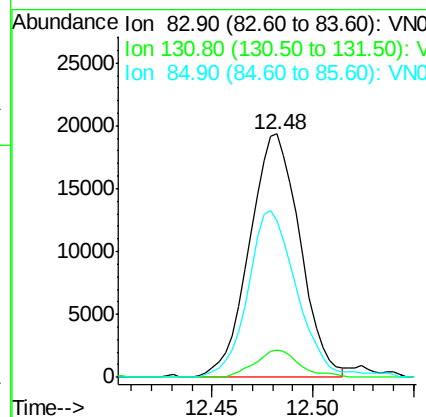
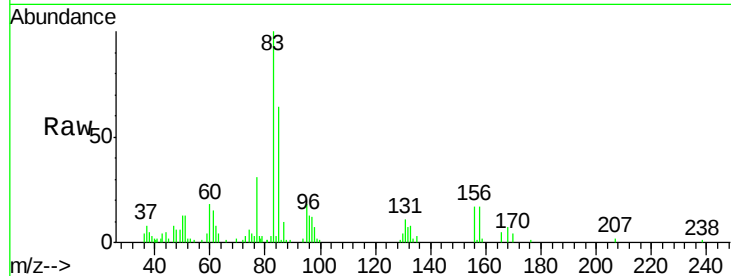
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	33864
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.7	14.0
85	66.1	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 5.025 ug/l m

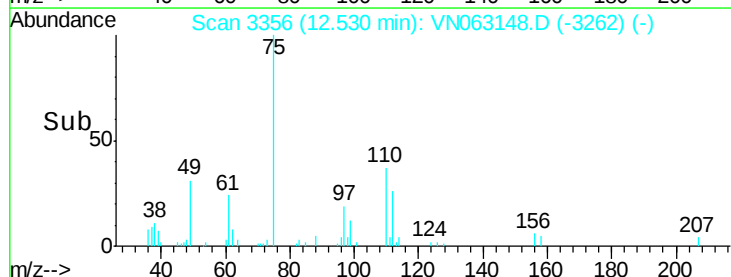
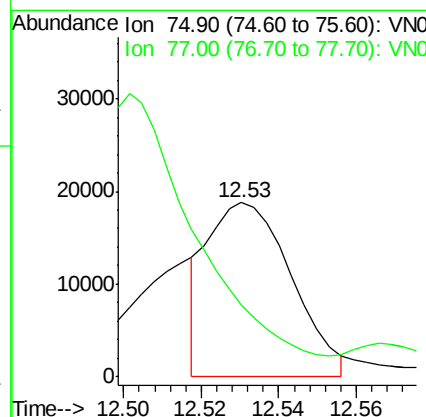
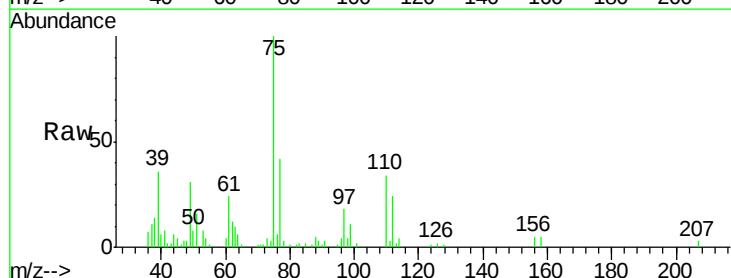
RT: 12.53 min Scan# 3356

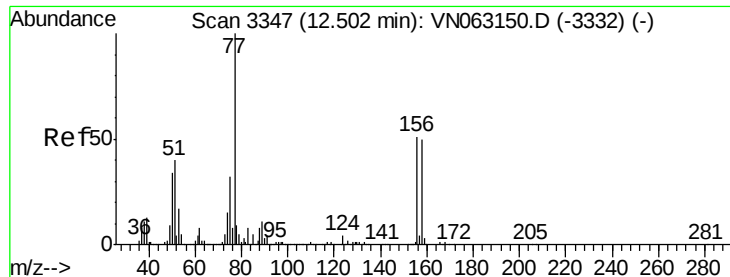
Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	75	Resp:	28159
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





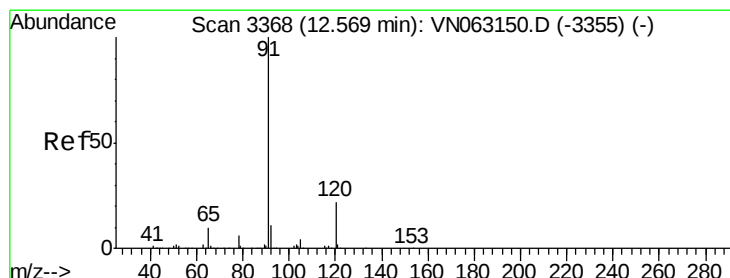
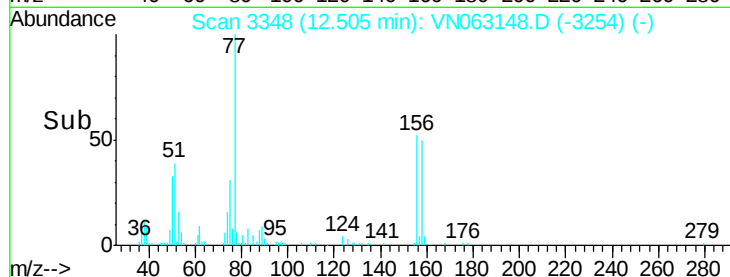
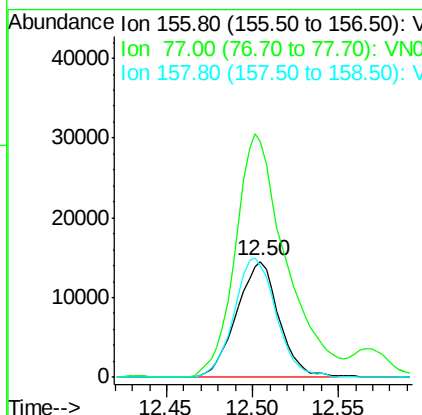
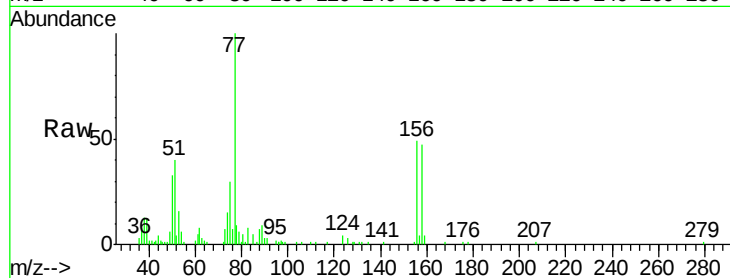
#77
Bromobenzene
Concen: 4.156 ug/l
RT: 12.50 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	250.3	116.1	348.3	
158	102.0	48.8	146.4	

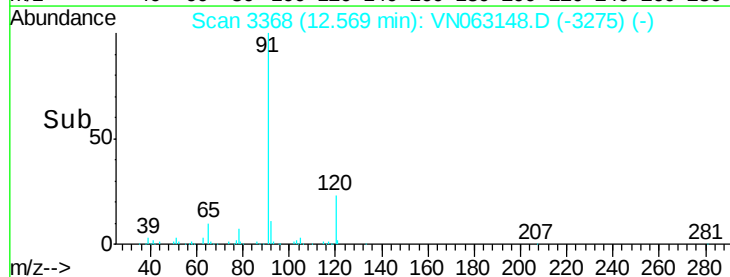
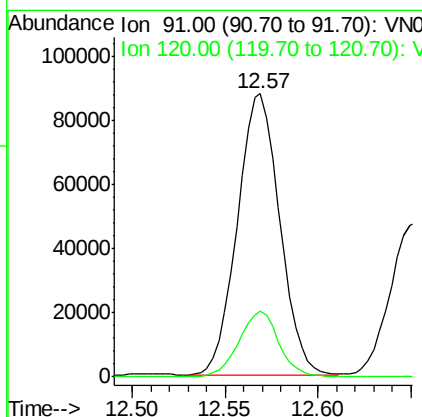
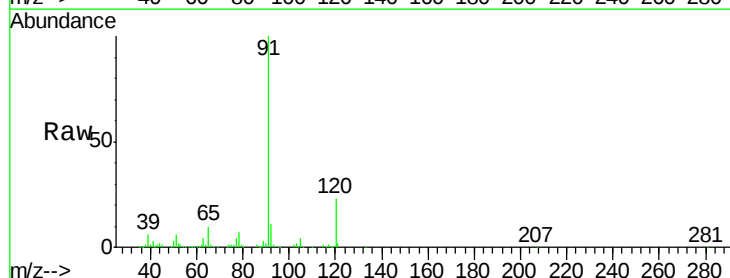
Manual Integrations
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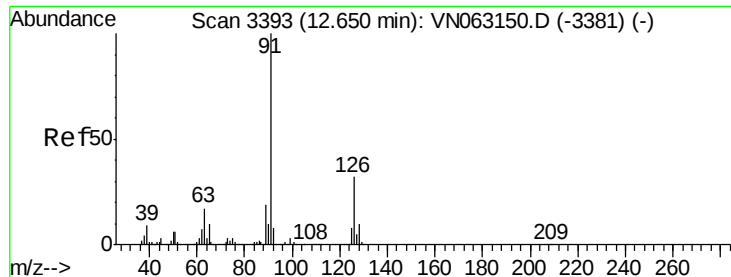
MMDadoda
9/1/2020 9:07:06 AM



#78
n-propylbenzene
Concen: 5.490 ug/l
RT: 12.57 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	10.9	32.7	





#79

2-Chlorotoluene

Concen: 5.221 ug/l

RT: 12.65 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 81416

Ion Ratio Lower Upper

91 100

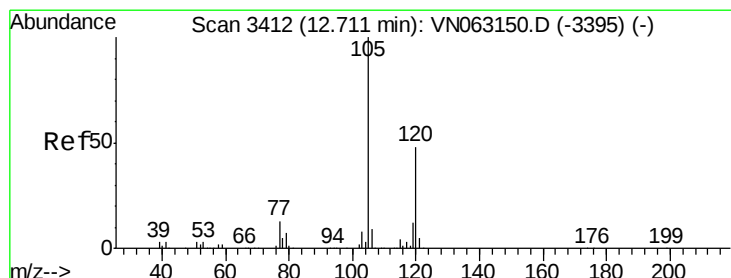
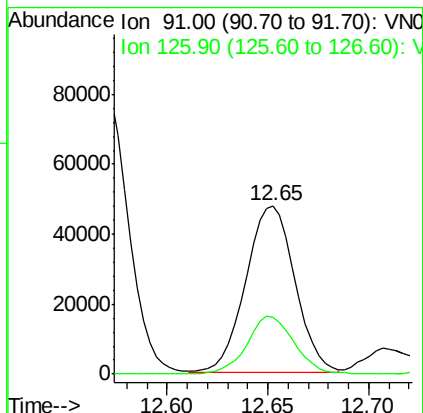
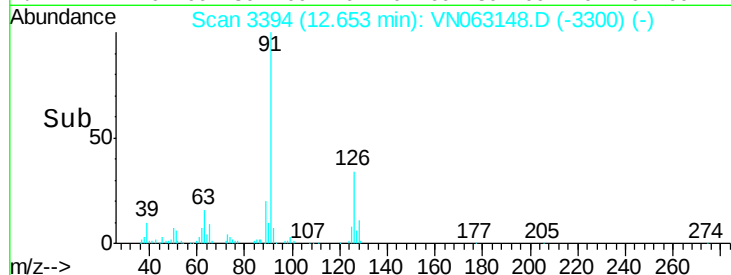
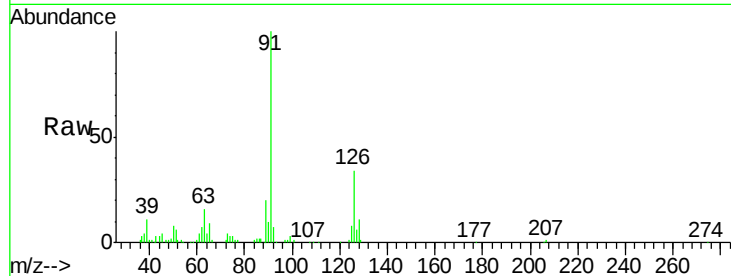
126 33.2 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.527 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VN063148.D

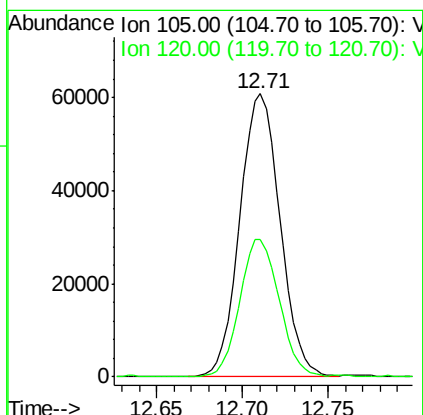
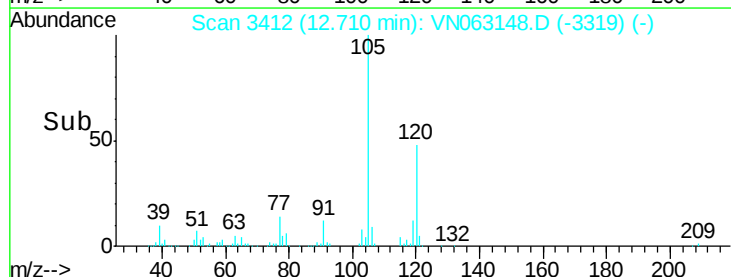
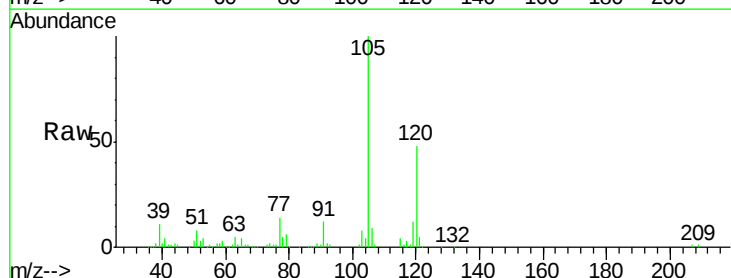
Acq: 31 Aug 2020 13:21

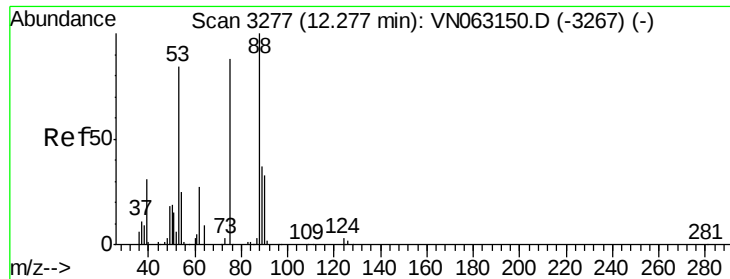
Tgt Ion: 105 Resp: 99043

Ion Ratio Lower Upper

105 100

120 47.5 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.979 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

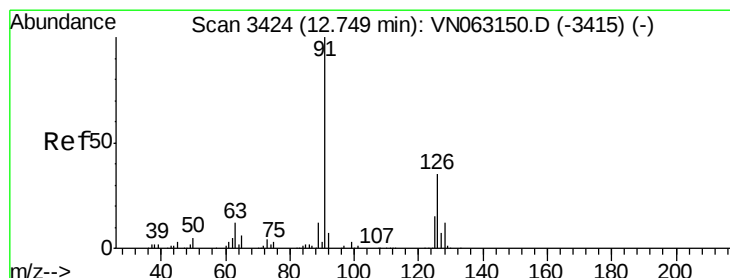
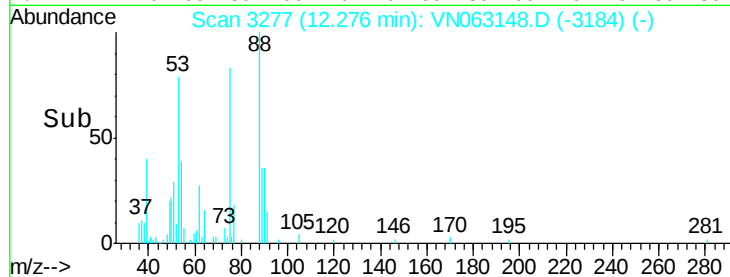
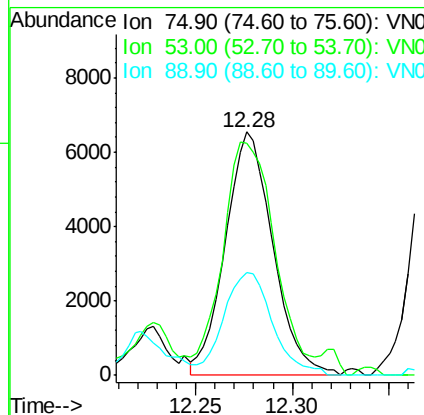
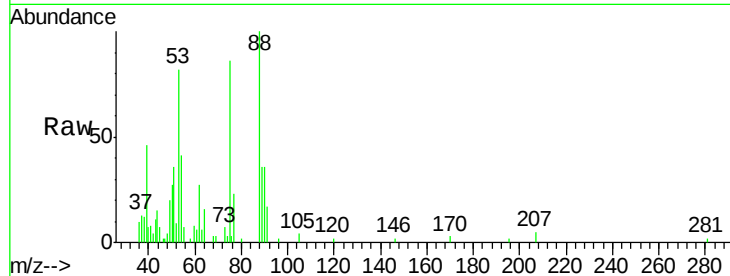
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	11199
Ion	Ratio	Lower	Upper
75	100		
53	105.2	78.7	118.1
89	43.1	35.3	52.9

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#82

4-Chlorotoluene

Concen: 5.269 ug/l

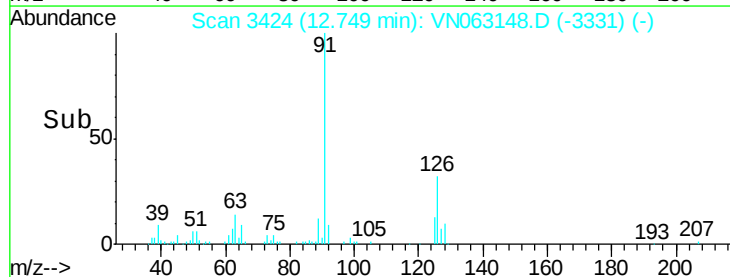
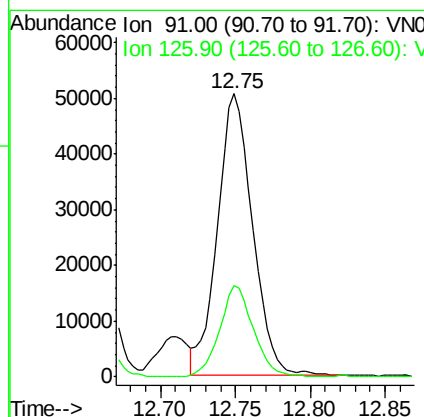
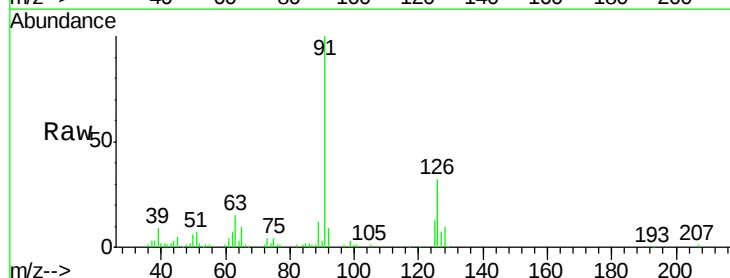
RT: 12.75 min Scan# 3424

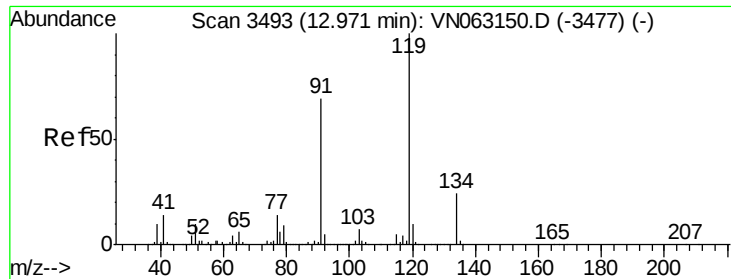
Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	91	Resp:	82741
Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.2	48.5





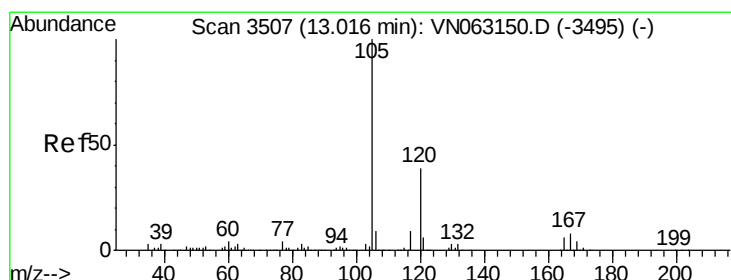
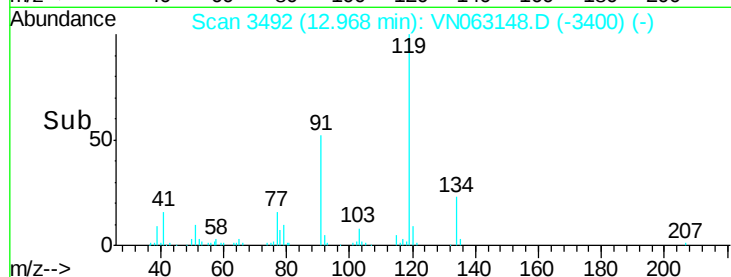
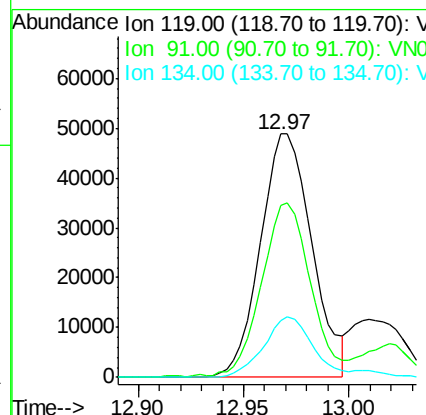
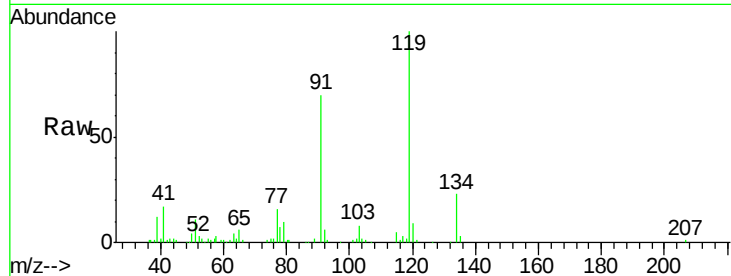
#83
tert-Butylbenzene
Concen: 5.296 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.7	101.0
134	23.5	12.0	36.0

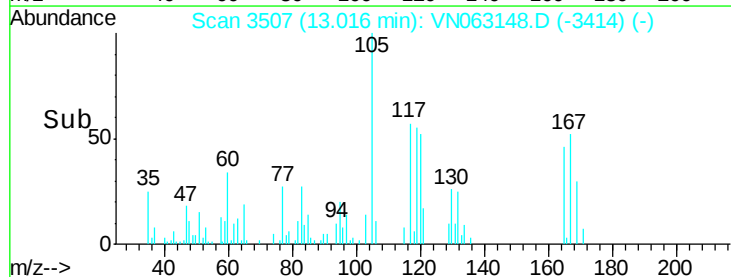
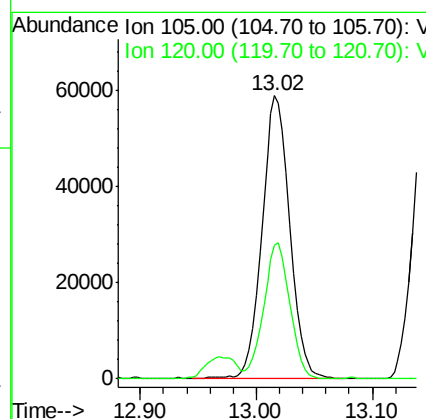
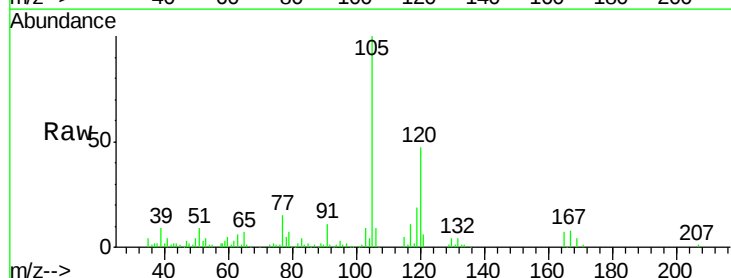
Manual Integrations
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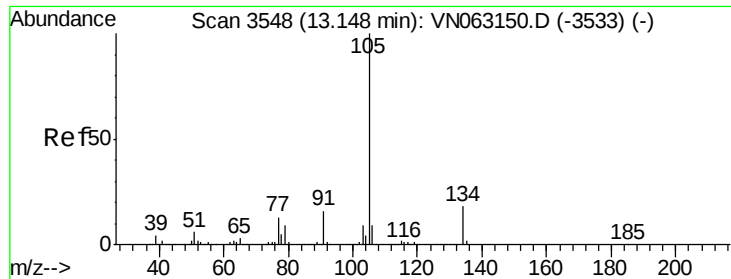
MMDadoda
9/1/2020 9:07:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 5.439 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 5.305 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 110089

Ion Ratio Lower Upper

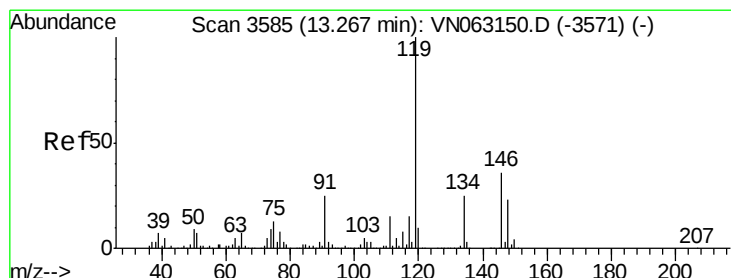
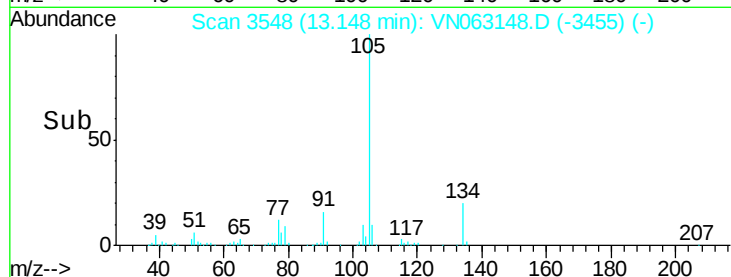
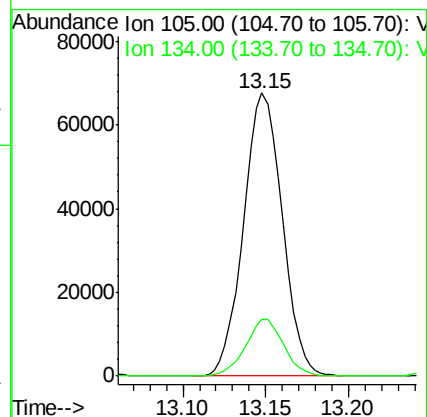
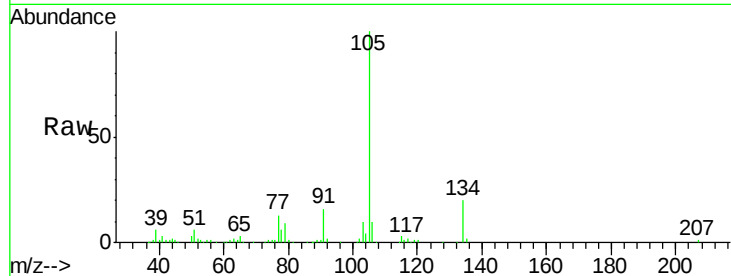
105 100

134 19.7 9.4 28.3

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#86

p-Isopropyltoluene

Concen: 5.339 ug/l

RT: 13.27 min Scan# 3585

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

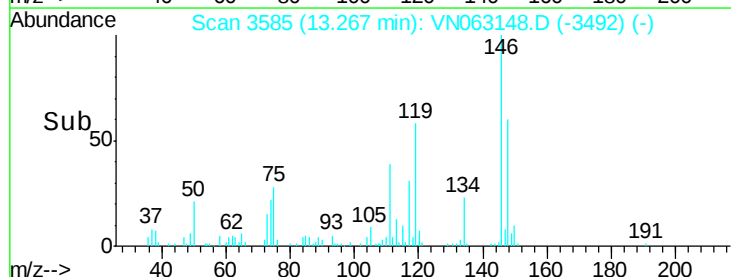
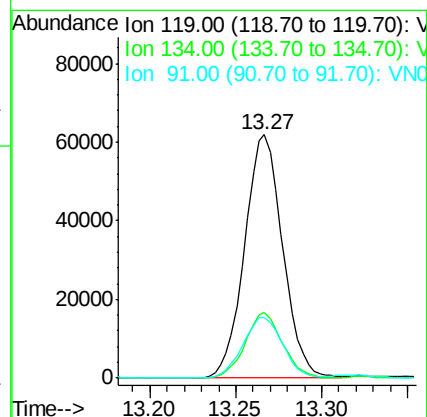
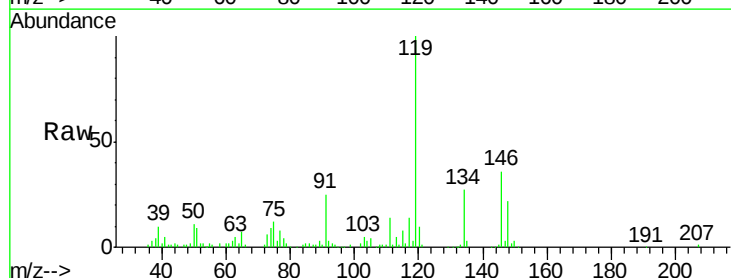
Tgt Ion:119 Resp: 95027

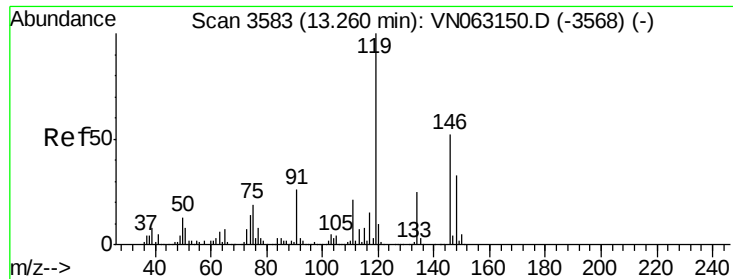
Ion Ratio Lower Upper

119 100

134 26.3 12.4 37.4

91 26.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 4.555 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

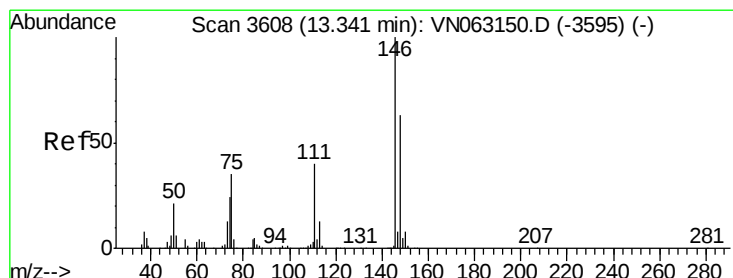
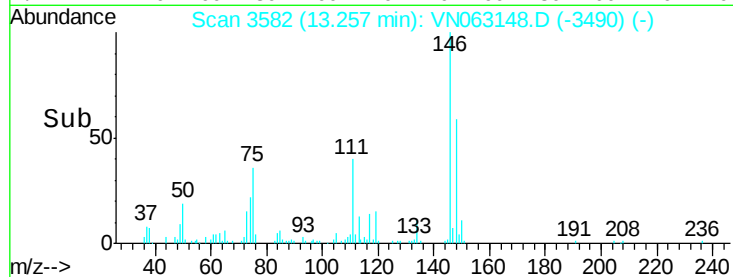
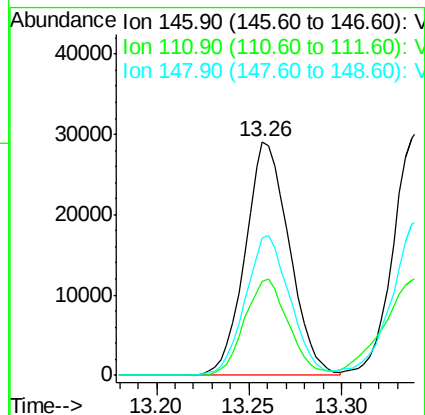
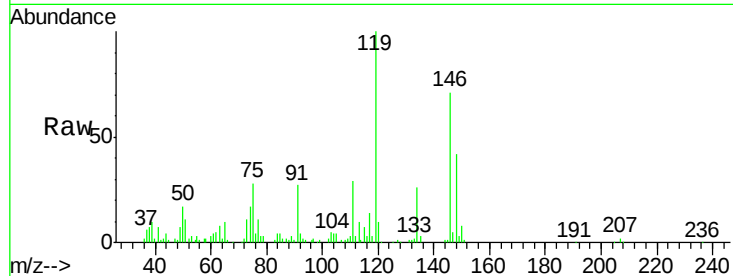
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	48027
Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	60.6	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 4.637 ug/l

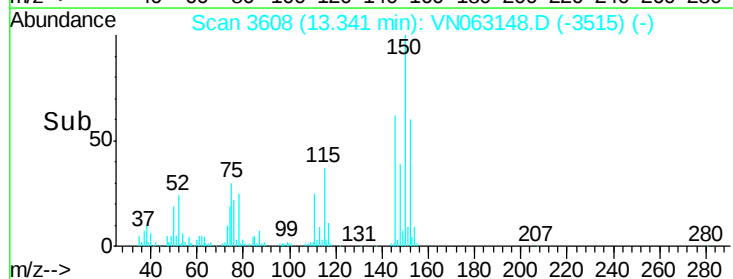
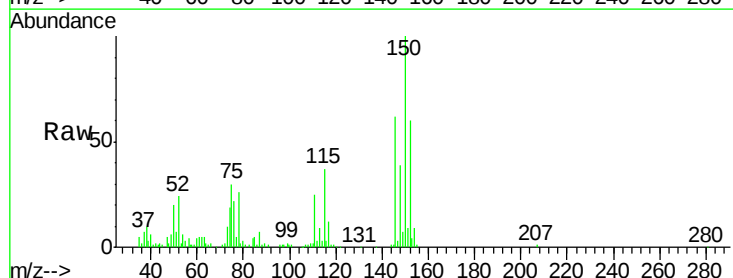
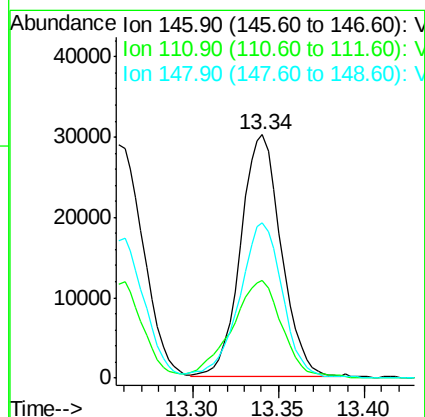
RT: 13.34 min Scan# 3608

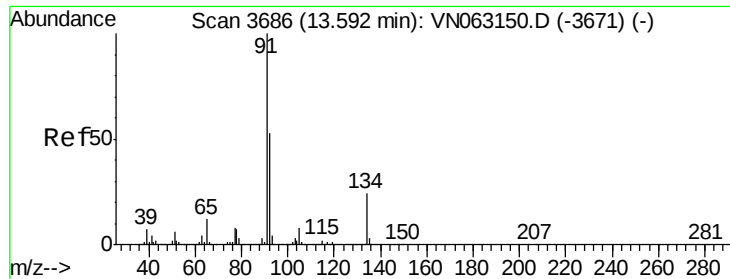
Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	146	Resp:	49365
Ion	Ratio	Lower	Upper
146	100		
111	50.4	20.5	61.5
148	69.1	31.9	95.7





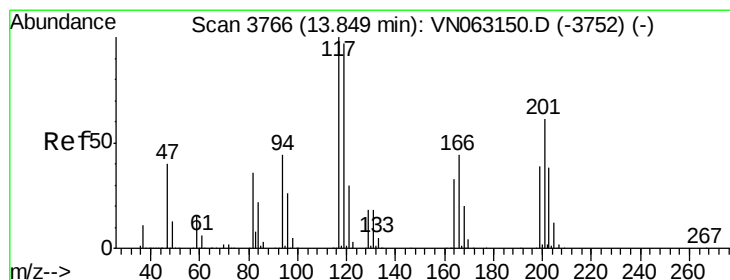
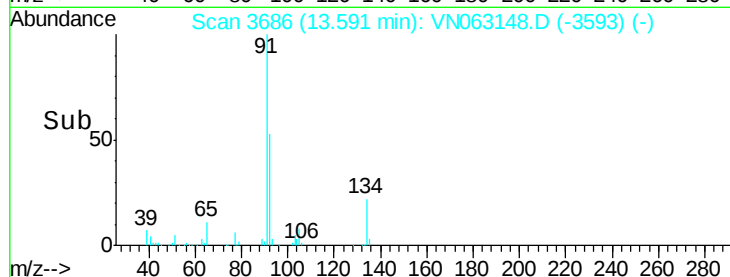
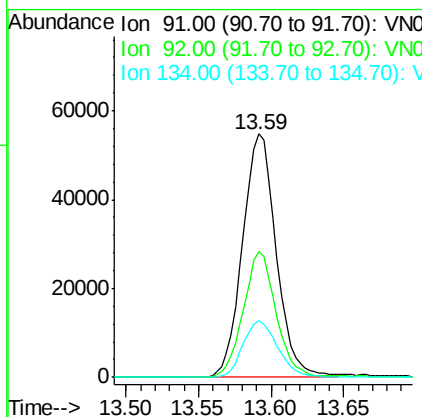
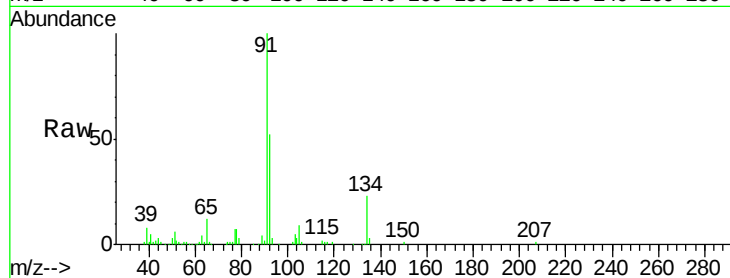
#89
n-Butylbenzene
Concen: 5.935 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.3	78.8
134	23.8	12.0	36.0

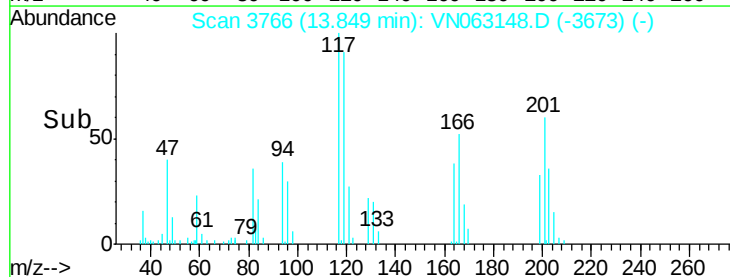
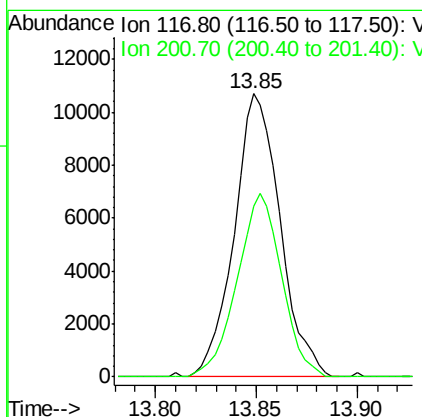
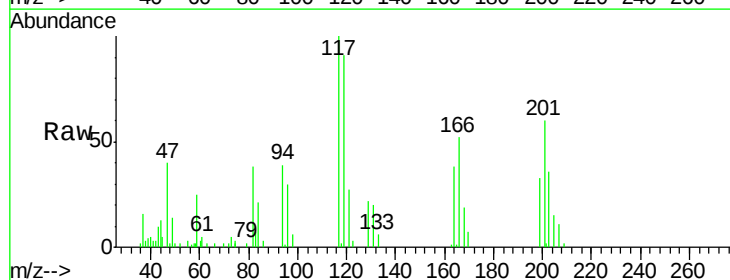
Manual Integrations
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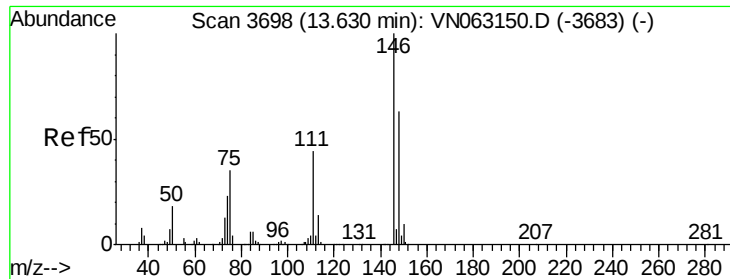
MMDadoda
9/1/2020 9:07:06 AM



#90
Hexachloroethane
Concen: 4.318 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063148.D
Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.7	30.6	92.0





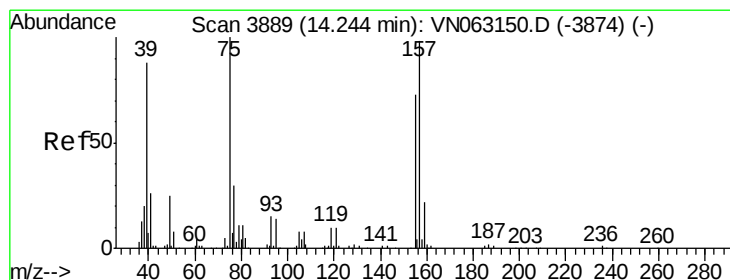
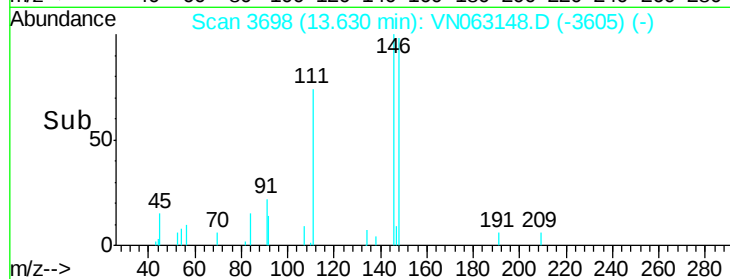
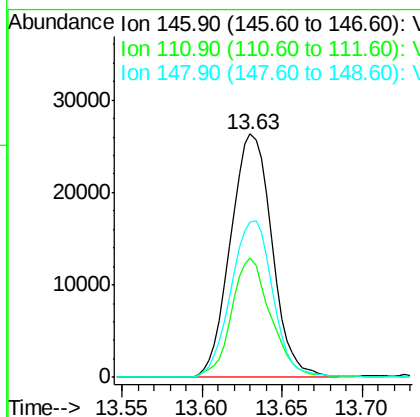
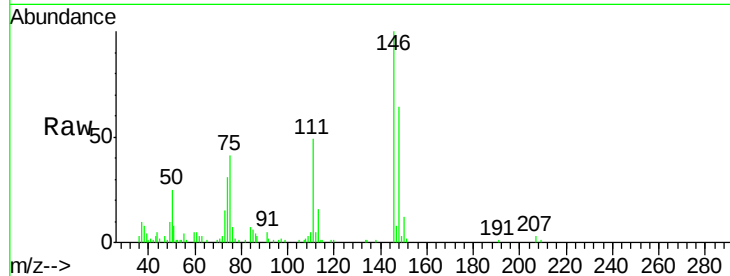
#91
 1,2-Dichlorobenzene
 Concen: 4.495 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.0	66.0
148	65.1	31.6	95.0

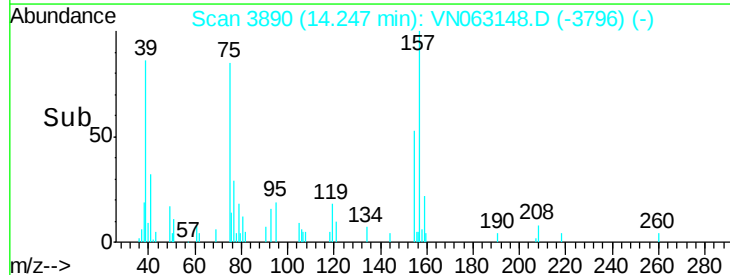
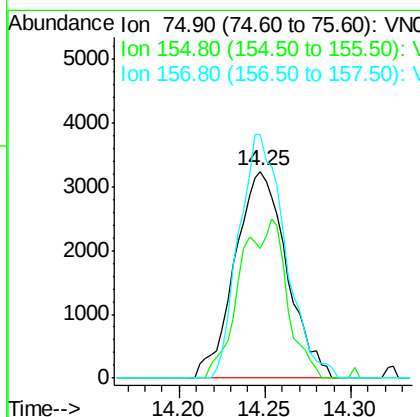
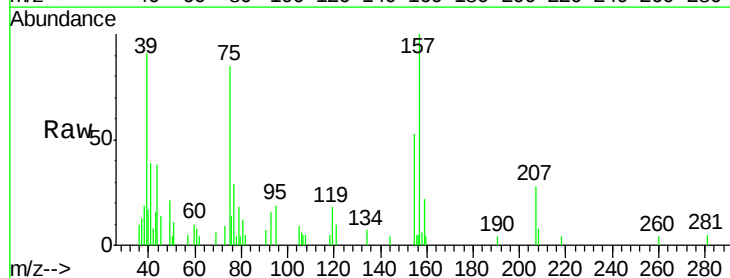
Manual Integrations
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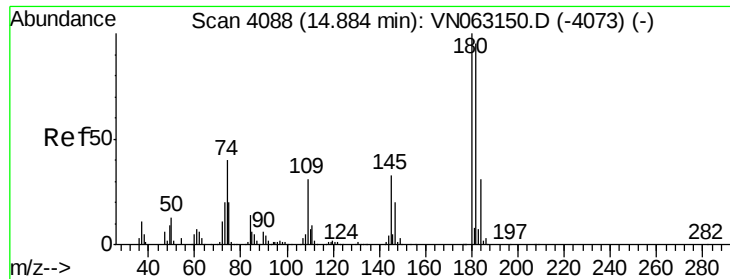
MMDadoda
 9/1/2020 9:07:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.107 ug/l
 RT: 14.25 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	35.4	36.1	108.5#
157	105.3	48.4	145.0





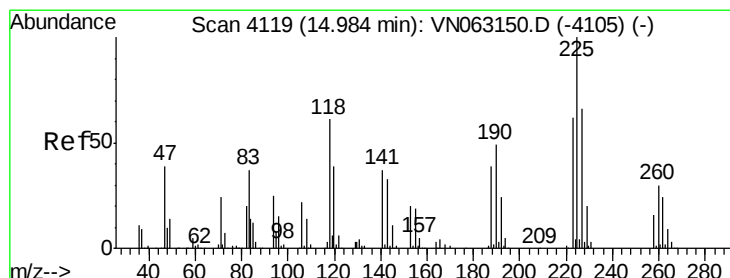
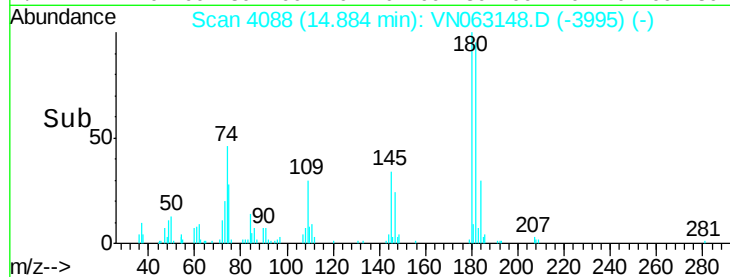
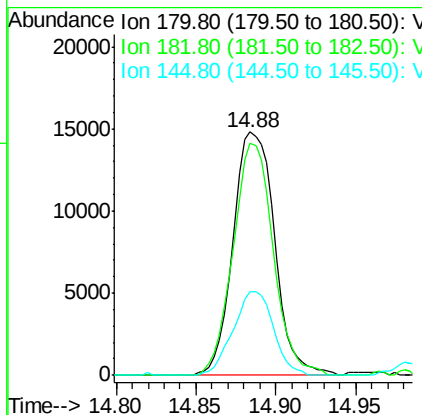
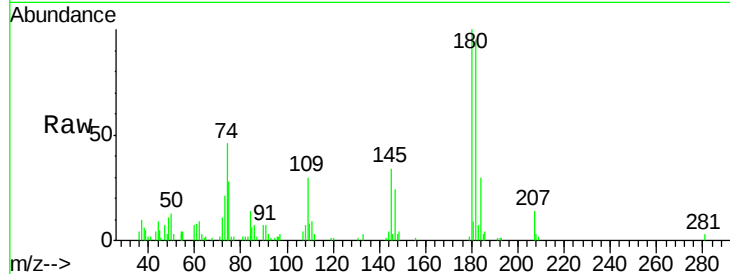
#93
 1,2,4-Trichlorobenzene
 Concen: 5.454 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26213		
182	92.2		47.5	142.5
145	33.3		16.6	49.8

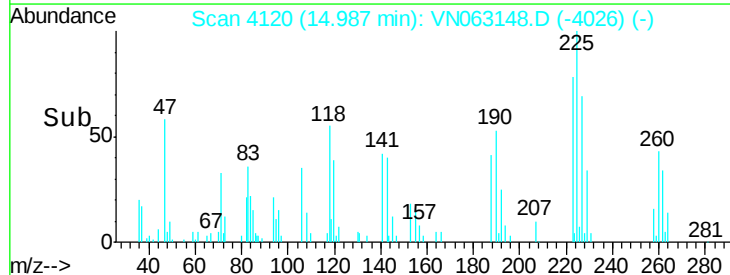
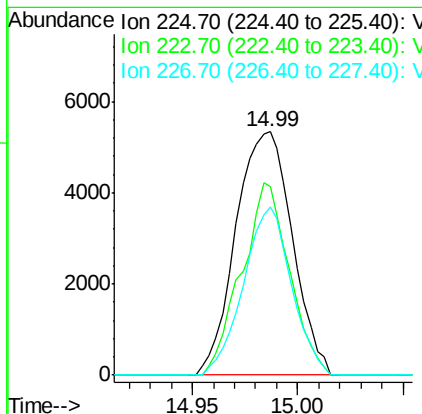
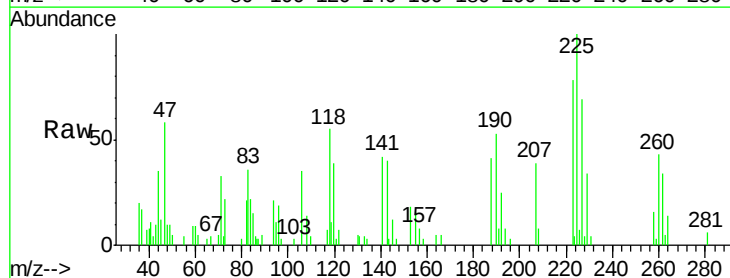
Manual Integrations
 APPROVED

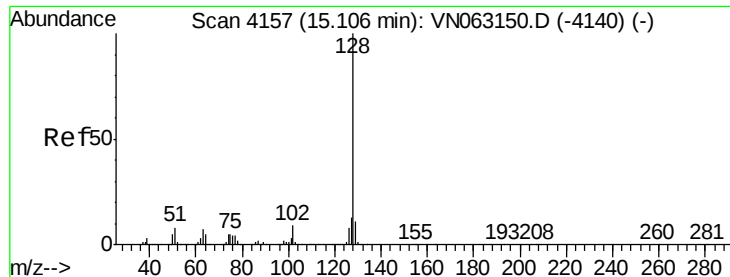
MMDadoda
 9/1/2020 9:07:06 AM



#94
 Hexachlorobutadiene
 Concen: 3.064 ug/l
 RT: 14.99 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN063148.D
 Acq: 31 Aug 2020 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9911		
223	67.0		30.9	92.7
227	58.9		32.9	98.7





#95

Naphthalene

Concen: 6.933 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. -0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Instrument :

MSVOA_N

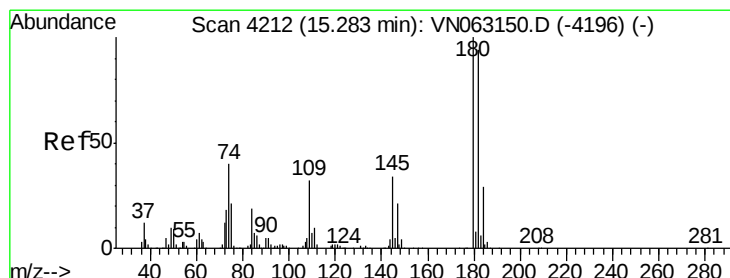
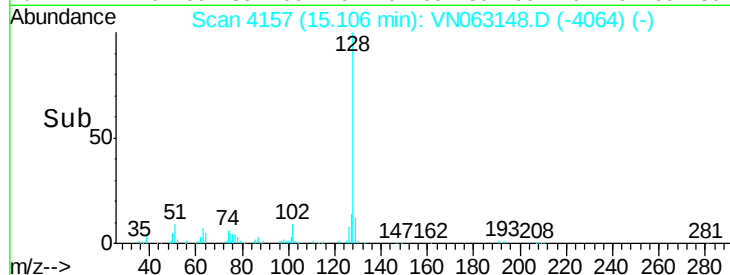
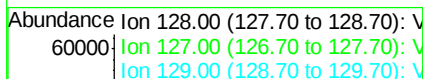
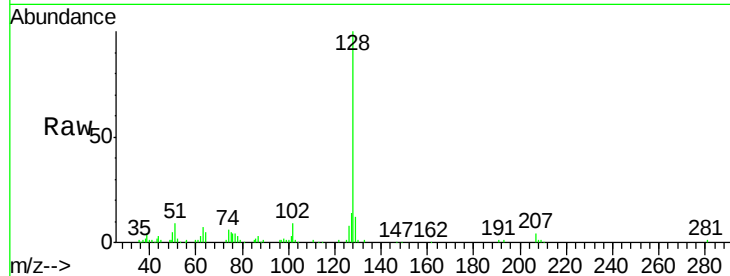
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	81192
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.5	15.7
129	12.0	8.6	13.0

Manual Integrations
APPROVED

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9/1/2020 9:07:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.833 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063148.D

Acq: 31 Aug 2020 13:21

Tgt Ion:	180	Resp:	24027
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.5	142.5
145	34.7	17.3	52.0

