

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063149.D
 Acq On : 31 Aug 2020 13:47
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:11 AM

Quant Time: Sep 01 03:09:53 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	7.62	168	424953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	792765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	722846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	319810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118390	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
35) Dibromofluoromethane	7.55	113	85188	13.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.58%	
50) Toluene-d8	10.06	98	334871	14.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.62%	
62) 4-Bromofluorobenzene	12.38	95	113795	14.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	73660	16.013	ug/l	97
3) Chloromethane	2.04	50	103938	17.506	ug/l	99
4) Vinyl Chloride	2.17	62	120444	18.805	ug/l	98
5) Bromomethane	2.54	94	98299	22.307	ug/l	97
6) Chloroethane	2.68	64	95336	21.598	ug/l	97
7) Trichlorofluoromethane	2.99	101	208194	23.402	ug/l	96
8) Diethyl Ether	3.38	74	56792	18.664	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	82896	15.768	ug/l	98
10) Methyl Iodide	3.91	142	110372	15.802	ug/l	99
11) Tert butyl alcohol	4.73	59	75717	144.348	ug/l #	78
12) 1,1-Dichloroethene	3.70	96	84102	17.846	ug/l	98
13) Acrolein	3.57	56	27178	98.244	ug/l	100
14) Allyl chloride	4.28	41	142010	18.599	ug/l	94
15) Acrylonitrile	4.93	53	203557	104.508	ug/l	99
16) Acetone	3.78	43	170036	103.548	ug/l	99
17) Carbon Disulfide	4.01	76	247063	17.510	ug/l	100
18) Methyl Acetate	4.28	43	86660	14.790	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	305142	22.401	ug/l	99
20) Methylene Chloride	4.51	84	99518	16.912	ug/l	87
21) trans-1,2-Dichloroethene	4.99	96	90485	17.957	ug/l	97
22) Diisopropyl ether	5.90	45	327168	20.974	ug/l	98
23) Vinyl Acetate	5.84	43	1380377	121.054	ug/l	98
24) 1,1-Dichloroethane	5.80	63	185788	18.864	ug/l	99
25) 2-Butanone	6.78	43	273118	114.741	ug/l	100
26) 2,2-Dichloropropane	6.78	77	159594	20.381	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	110254	19.775	ug/l	99
28) Bromochloromethane	7.15	49	93671	20.640	ug/l	99
29) Tetrahydrofuran	7.17	42	190980	126.053	ug/l	98
30) Chloroform	7.33	83	182874	18.065	ug/l	95
31) Cyclohexane	7.61	56	169091	18.371	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	162920	18.513	ug/l	99
36) 1,1-Dichloropropene	7.75	75	138373	15.970	ug/l	99
37) Ethyl Acetate	6.88	43	121577	19.312	ug/l	99
38) Carbon Tetrachloride	7.74	117	140957	15.170	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	159997	17.651	ug/l	97
40) Benzene	8.00	78	401898	15.206	ug/l	100
41) Methacrylonitrile	7.14	41	66006m	21.087	ug/l	
42) 1,2-Dichloroethane	8.09	62	150362	16.827	ug/l	100
43) Isopropyl Acetate	8.13	43	227460	20.640	ug/l	99
44) Trichloroethene	8.80	130	101848	14.836	ug/l	98
45) 1,2-Dichloropropane	9.09	63	107039	15.047	ug/l	99
46) Dibromomethane	9.17	93	70806	15.853	ug/l	99
47) Bromodichloromethane	9.37	83	152509	16.439	ug/l	99
48) Methyl methacrylate	9.17	41	105006	19.298	ug/l	99
49) 1,4-Dioxane	9.17	88	29392	380.373	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	634594	103.443	ug/l	100
52) Toluene	10.13	92	250366	15.920	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	159198	17.043	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	173582	17.085	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	96540	14.799	ug/l	95
56) Ethyl methacrylate	10.40	69	141453	18.146	ug/l	97
57) 1,3-Dichloropropane	10.68	76	171943	16.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	383642	106.159	ug/l	100
59) 2-Hexanone	10.72	43	441332	106.009	ug/l	99
60) Dibromochloromethane	10.87	129	105617	14.819	ug/l	99
61) 1,2-Dibromoethane	10.98	107	98692	16.051	ug/l	97
64) Tetrachloroethene	10.60	164	91571	14.470	ug/l	98
65) Chlorobenzene	11.41	112	266494	14.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	96480	13.981	ug/l	96
67) Ethyl Benzene	11.49	91	487601	16.732	ug/l	98
68) m/p-Xylenes	11.60	106	354916	32.495	ug/l	99
69) o-Xylene	11.92	106	168931	16.052	ug/l	95
70) Styrene	11.94	104	291202	16.999	ug/l	99
71) Bromoform	12.10	173	63237	13.048	ug/l #	97
73) Isopropylbenzene	12.23	105	459244	18.614	ug/l	99
74) N-amyl acetate	12.05	43	188505	23.519	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	126223	16.953	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	113259m	18.320	ug/l	
77) Bromobenzene	12.50	156	102571	15.476	ug/l	95
78) n-propylbenzene	12.57	91	542409	19.298	ug/l	99
79) 2-Chlorotoluene	12.65	91	315481	18.339	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	381397	19.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	46592	22.551	ug/l	99
82) 4-Chlorotoluene	12.75	91	330797	19.098	ug/l	98
83) tert-Butylbenzene	12.97	119	325961	18.858	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	382946	19.183	ug/l	99
85) sec-Butylbenzene	13.15	105	430965	18.827	ug/l	100
86) p-Isopropyltoluene	13.26	119	382372	19.476	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	184996	15.905	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	187332	15.951	ug/l	98
89) n-Butylbenzene	13.59	91	349082	21.130	ug/l	99
90) Hexachloroethane	13.85	117	65186	14.953	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	184252	16.100	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	27429	22.347	ug/l	92

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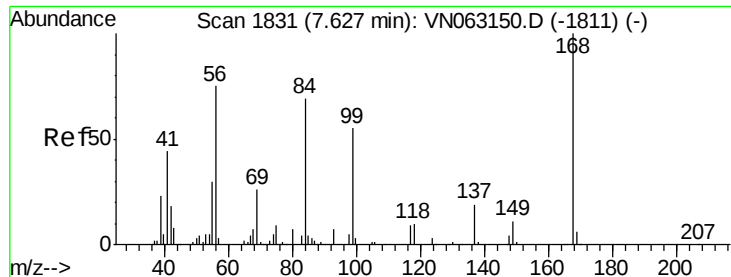
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	98467	18.572	ug/l	97
94) Hexachlorobutadiene	14.98	225	37211	10.427	ug/l	98
95) Naphthalene	15.10	128	333163	25.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	96161	17.533	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 424953

Ion Ratio Lower Upper

168 100

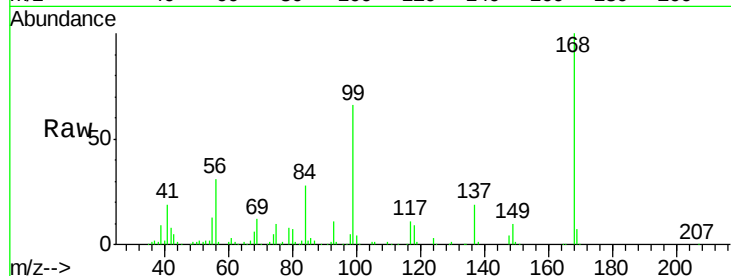
99 65.9 54.2 81.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

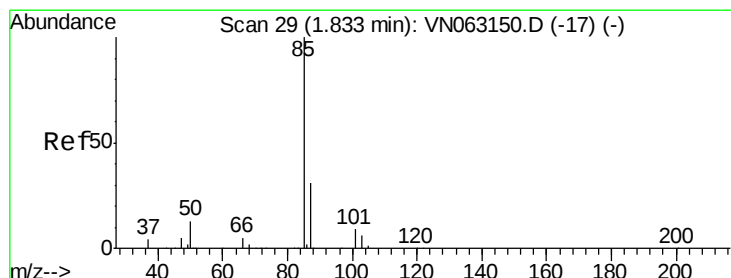
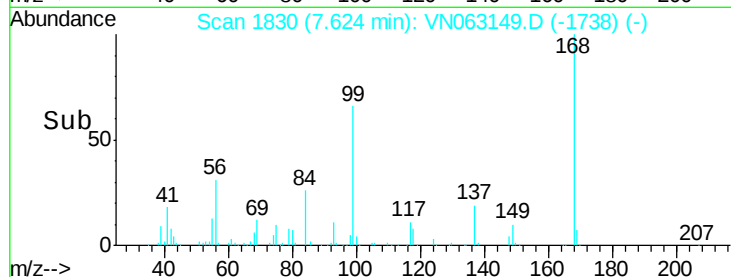
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.013 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063149.D

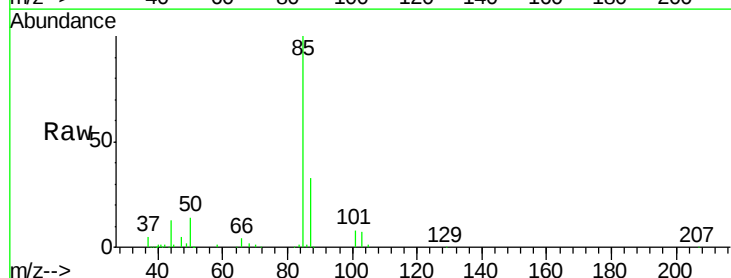
Acq: 31 Aug 2020 13:47

Tgt Ion: 85 Resp: 73660

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

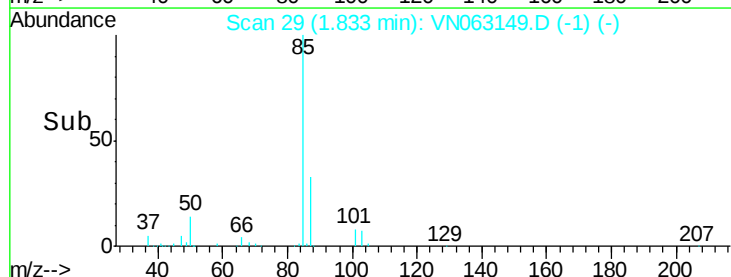
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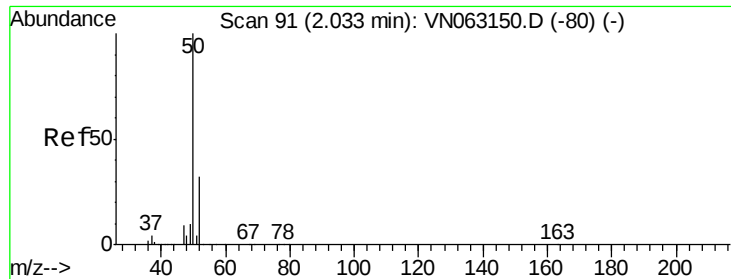
10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.506 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 103938

Ion Ratio Lower Upper

50 100

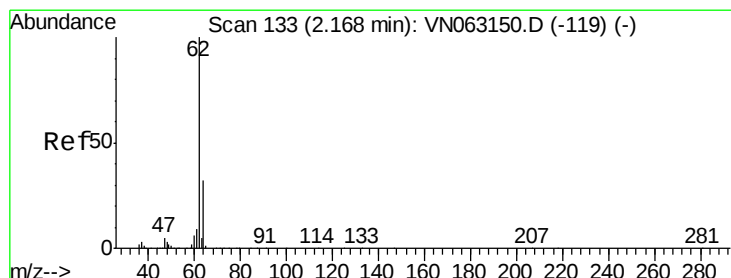
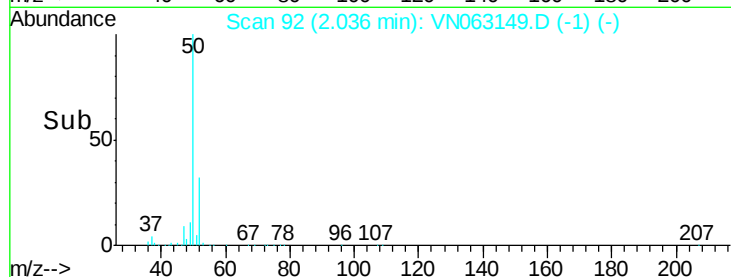
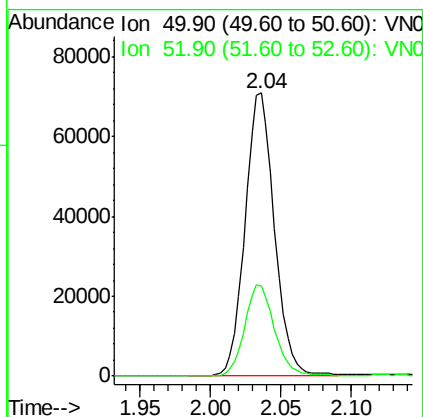
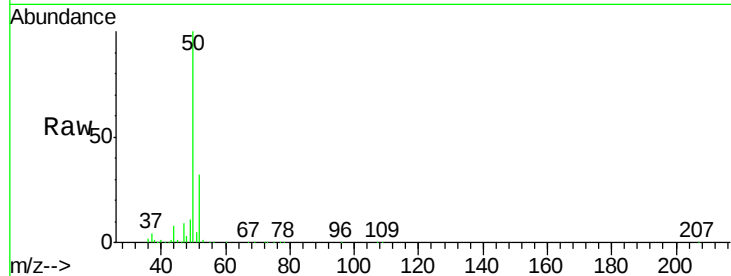
52 31.9 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.805 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063149.D

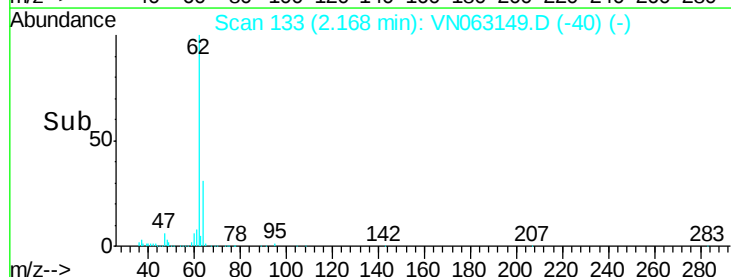
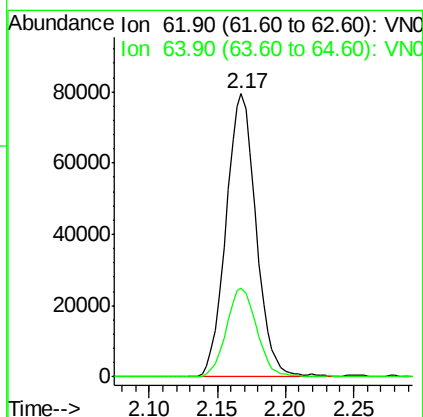
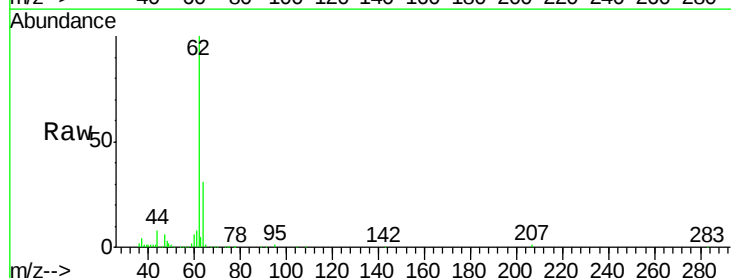
Acq: 31 Aug 2020 13:47

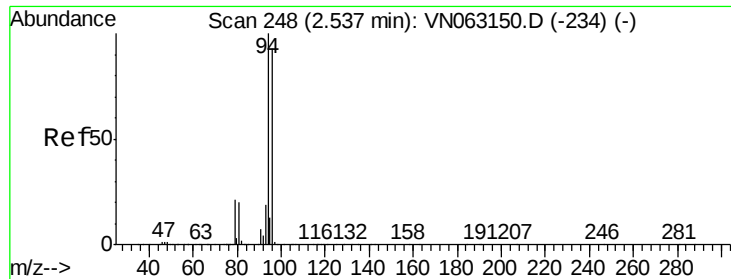
Tgt Ion: 62 Resp: 120444

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 22.307 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 98299

Ion Ratio Lower Upper

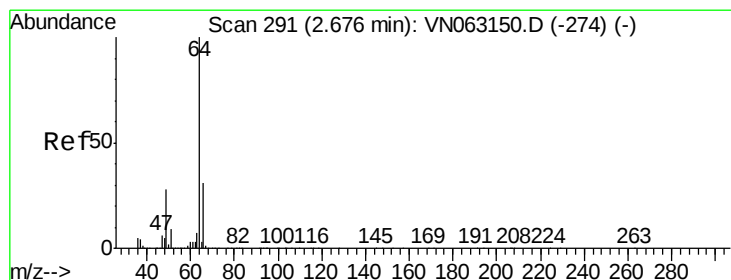
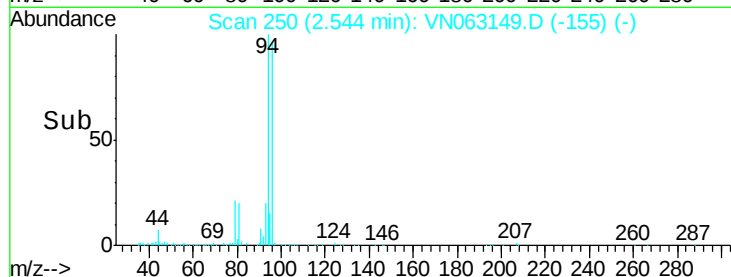
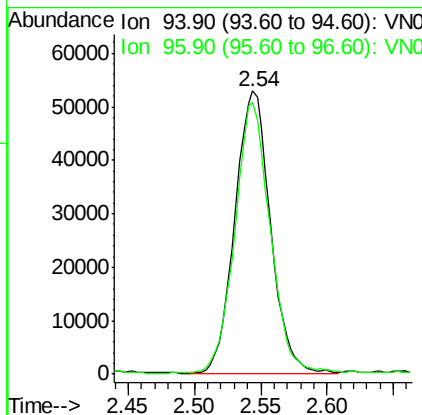
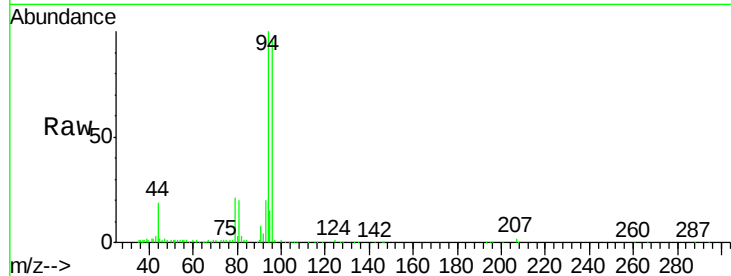
94 100

96 96.1 74.4 111.6

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#6

Chloroethane

Concen: 21.598 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN063149.D

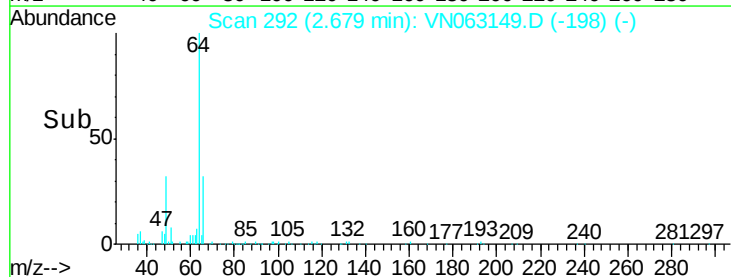
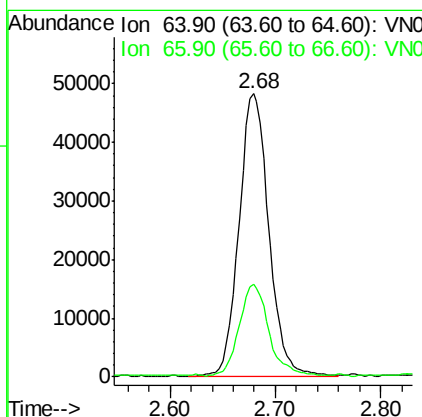
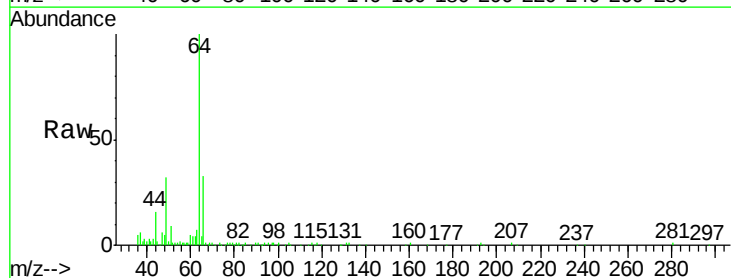
Acq: 31 Aug 2020 13:47

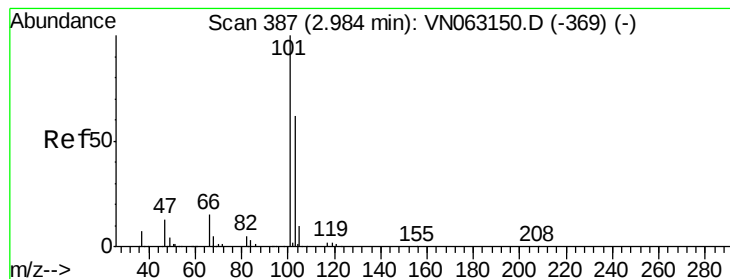
Tgt Ion: 64 Resp: 95336

Ion Ratio Lower Upper

64 100

66 32.6 24.7 37.1





#7

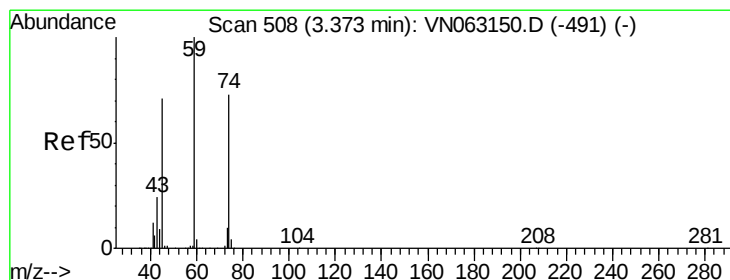
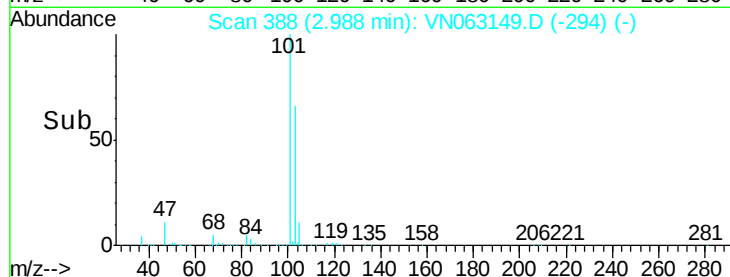
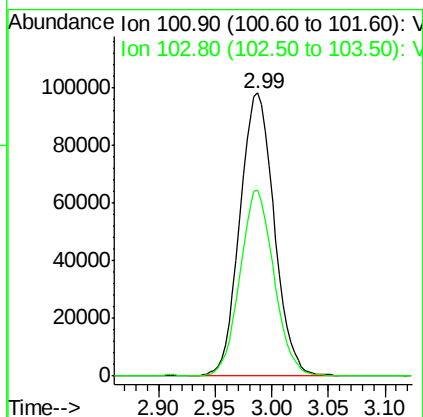
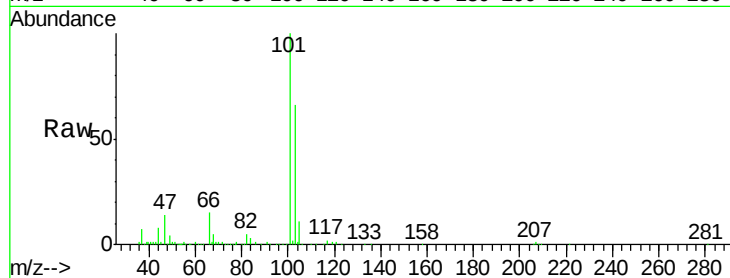
Trichlorofluoromethane
Concen: 23.402 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
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ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.7	74.5

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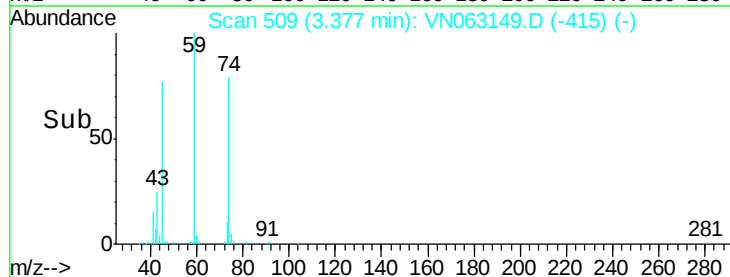
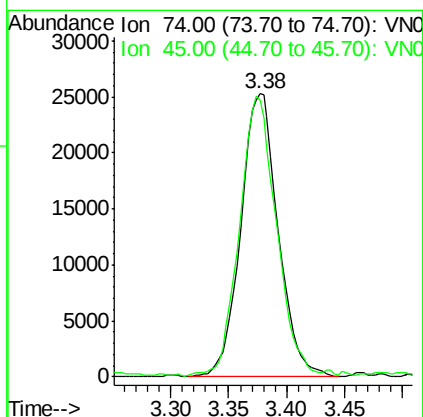
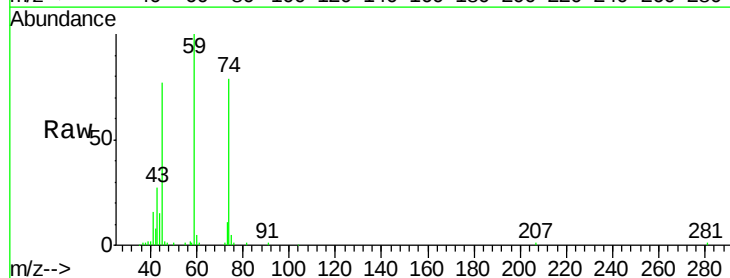
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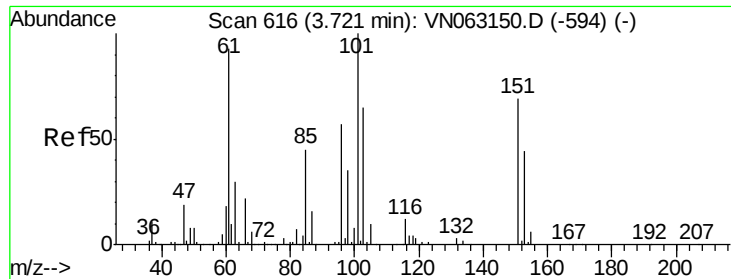


#8

Diethyl Ether
Concen: 18.664 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.768 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

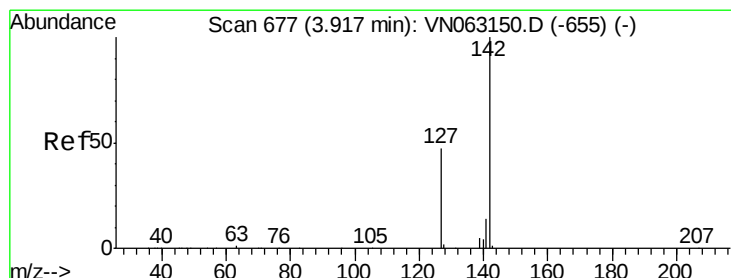
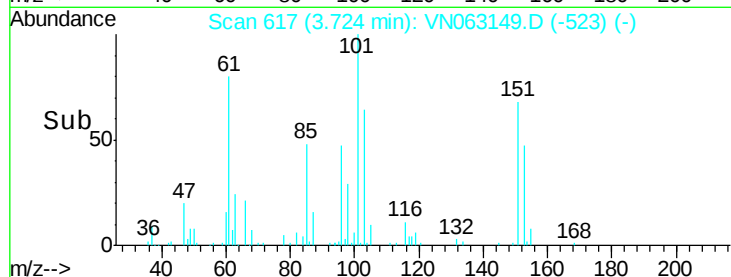
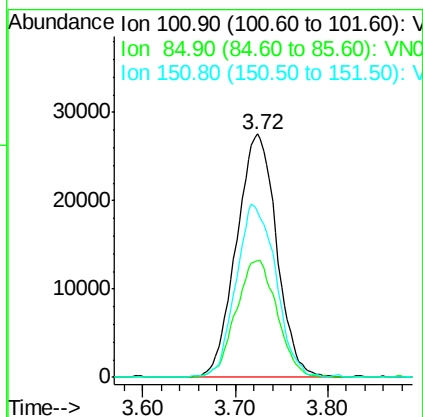
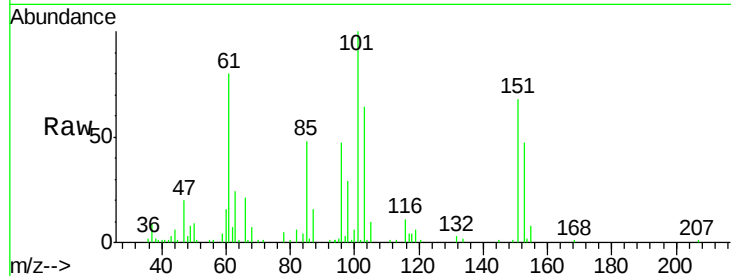
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	82896
Ion Ratio	Lower	Upper	
101	100		
85	49.1	37.8	56.8
151	70.3	55.0	82.4

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9/1/2020 9:07:11 AM



#10

Methyl Iodide

Concen: 15.802 ug/l

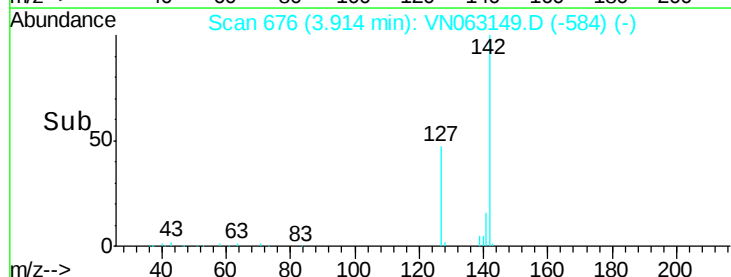
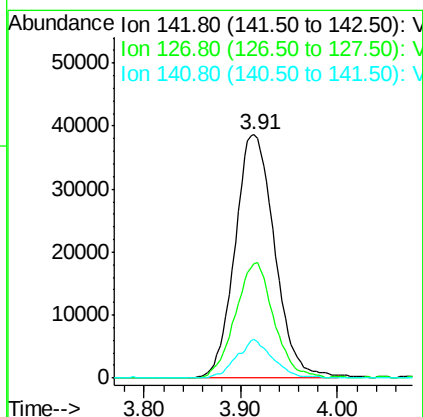
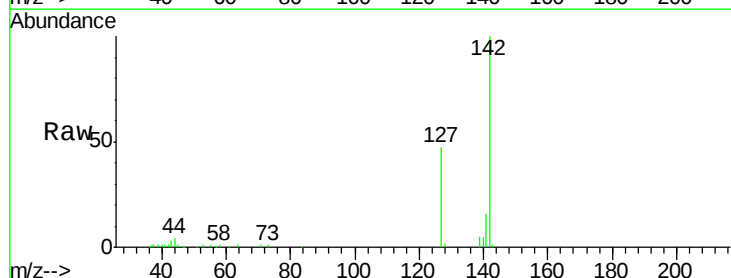
RT: 3.91 min Scan# 676

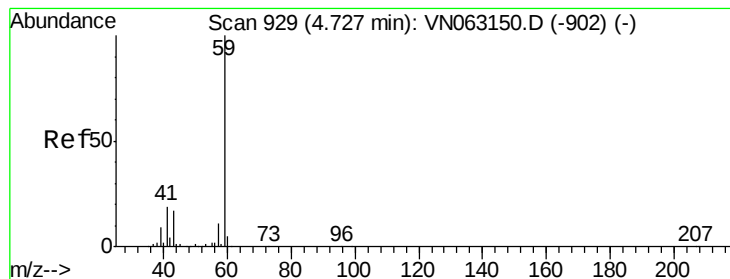
Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tgt Ion:	142	Resp:	110372
Ion Ratio	Lower	Upper	
142	100		
127	46.1	37.6	56.4
141	14.4	11.3	16.9





#11

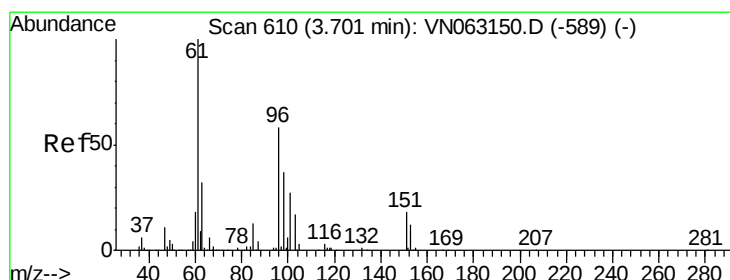
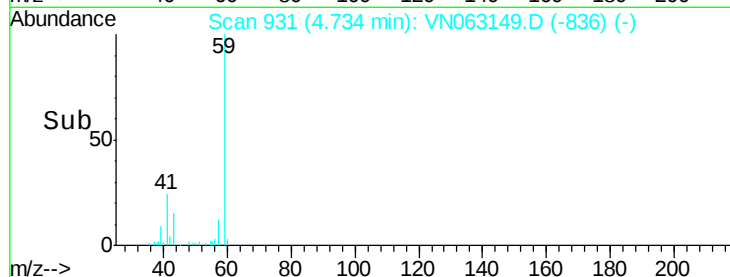
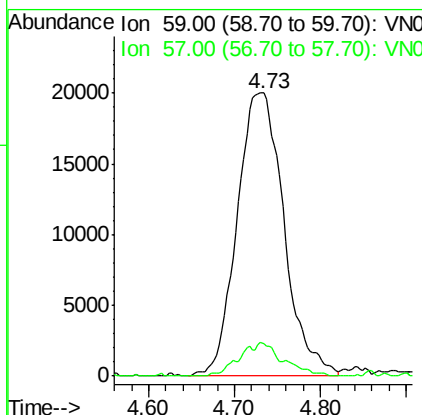
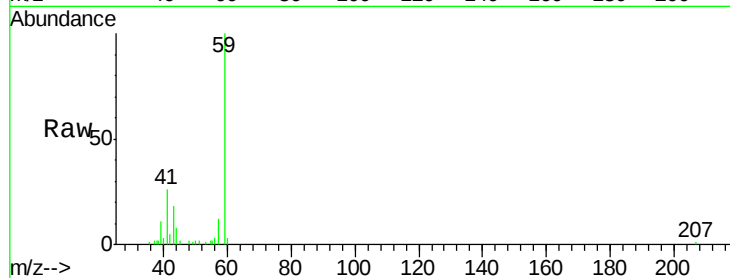
Tert butyl alcohol
 Concen: 144.348 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	75717		
57	57	2.4		8.4	12.6#

Manual Integrations
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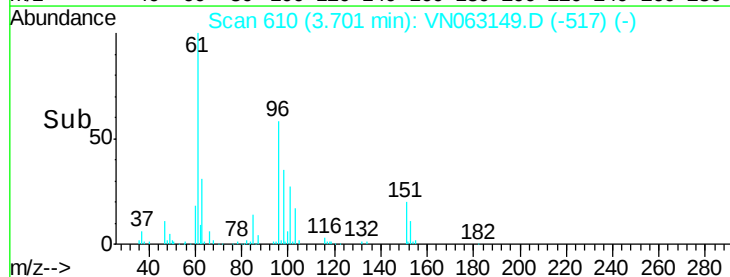
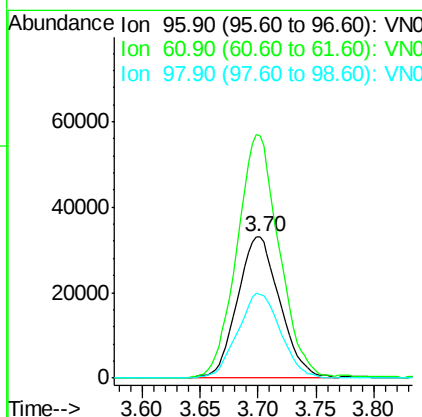
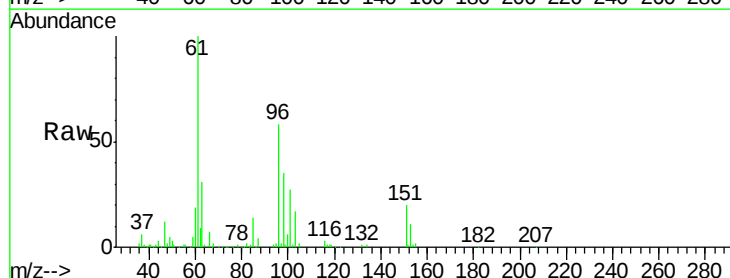
MMDadoda
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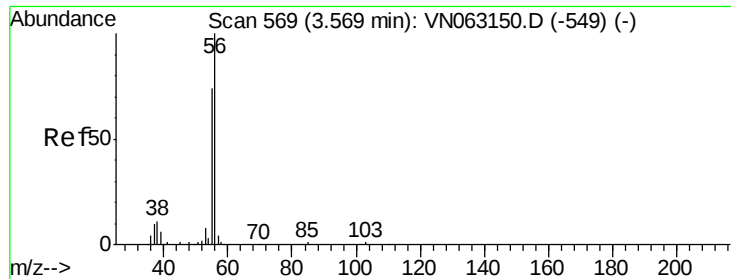


#12

1,1-Dichloroethene
 Concen: 17.846 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	84102		
61	61	170.7		137.4	206.2
98	98	59.3		50.5	75.7





#13

Acrolein

Concen: 98.244 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 27178

Ion Ratio Lower Upper

56 100

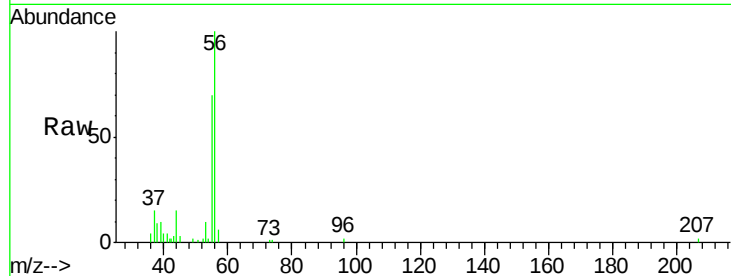
55 68.9 55.4 83.0

Manual Integrations

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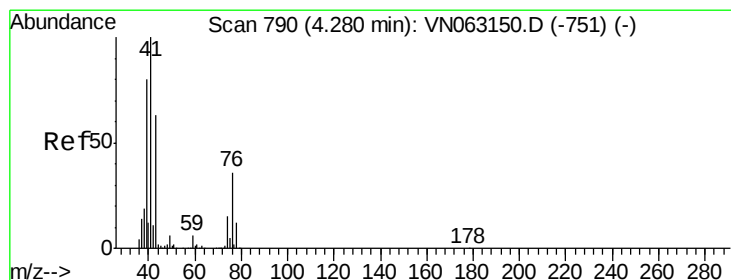
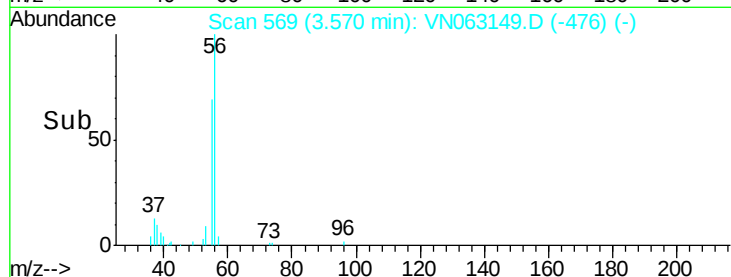
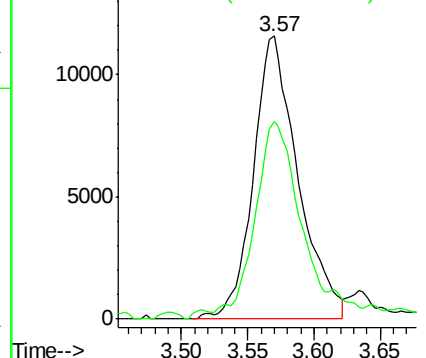
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.599 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

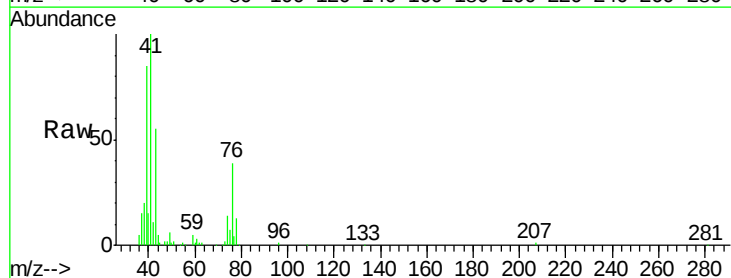
Tgt Ion: 41 Resp: 142010

Ion Ratio Lower Upper

41 100

39 80.6 60.2 90.2

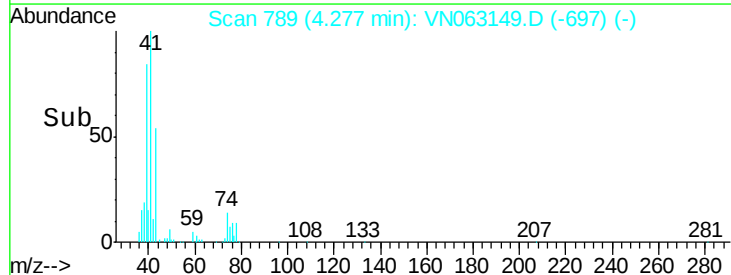
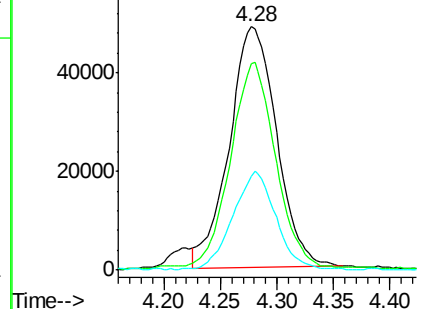
76 37.6 27.7 41.5

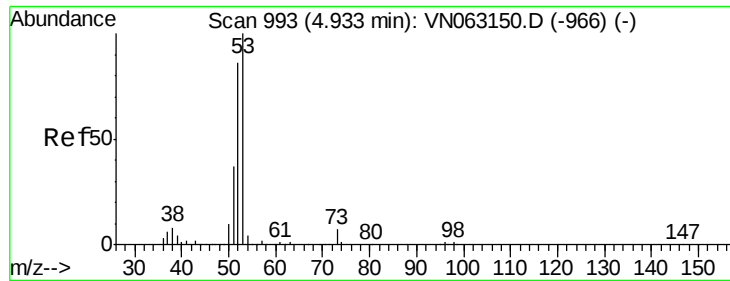


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.508 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

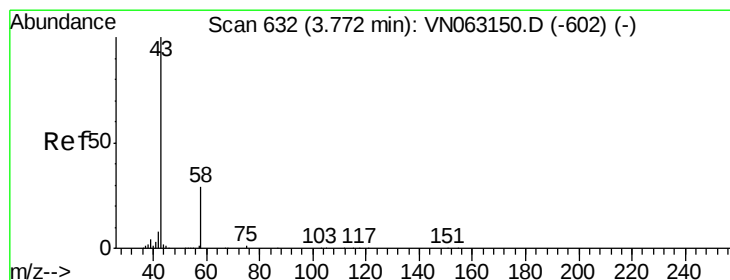
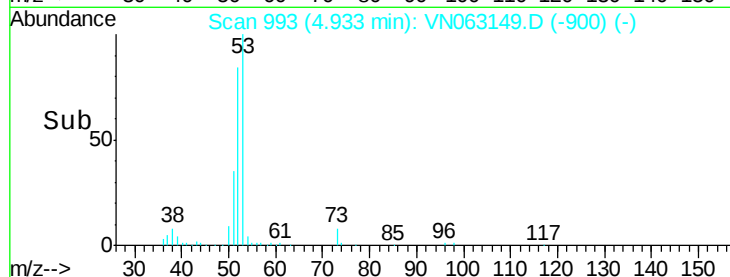
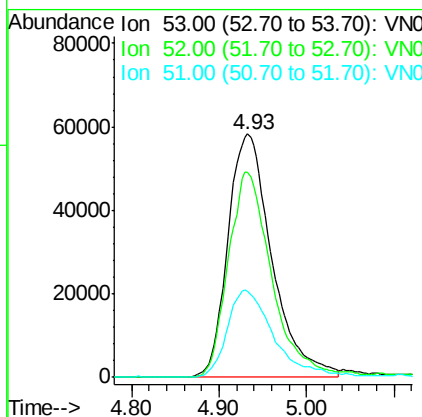
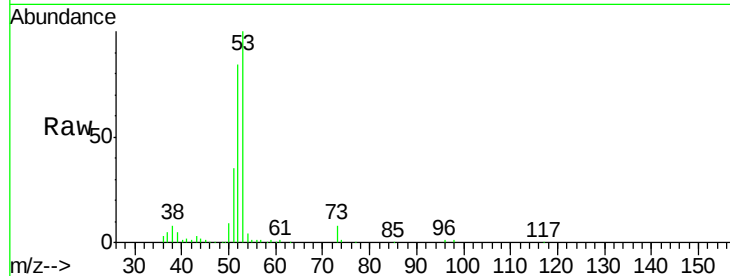
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	203557
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.2	100.8
51	38.2	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 103.548 ug/l

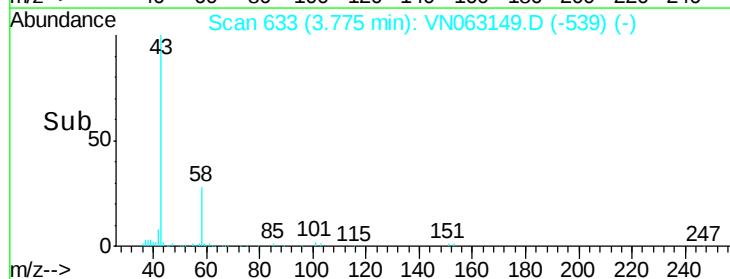
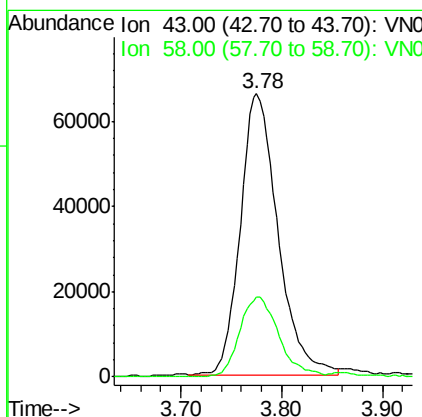
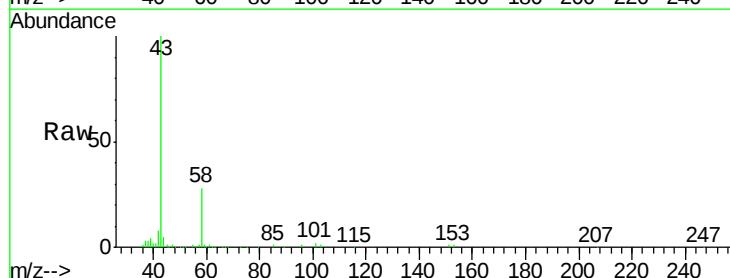
RT: 3.78 min Scan# 633

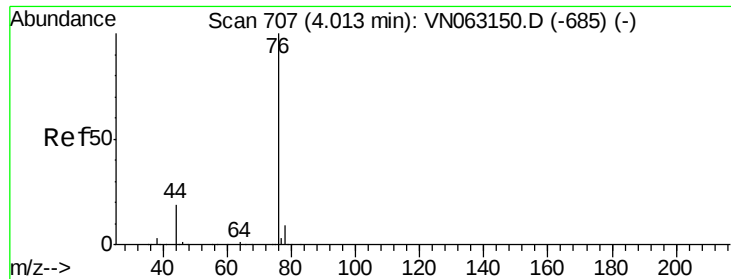
Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tgt Ion:	43	Resp:	170036
Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.1	34.7





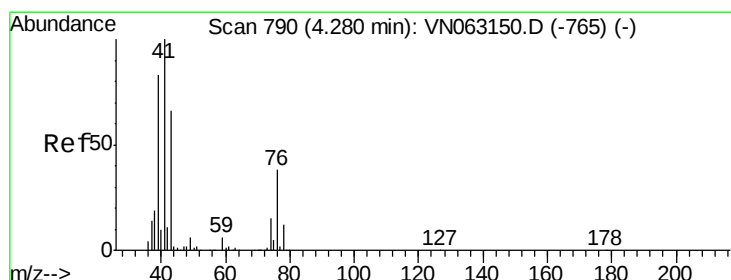
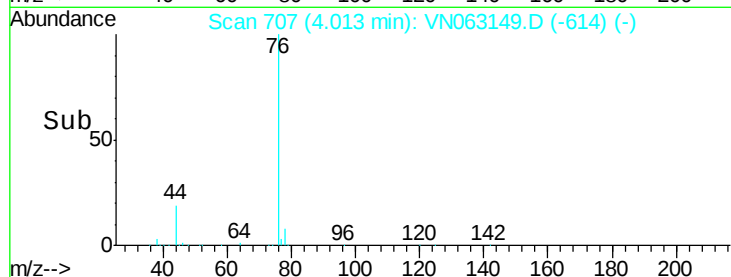
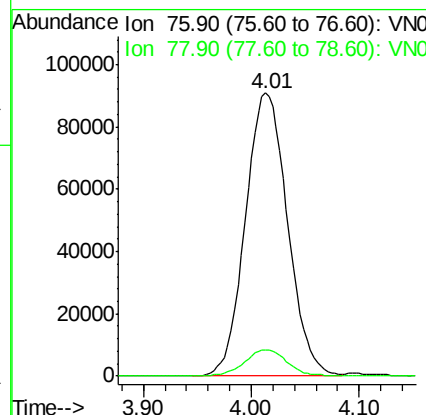
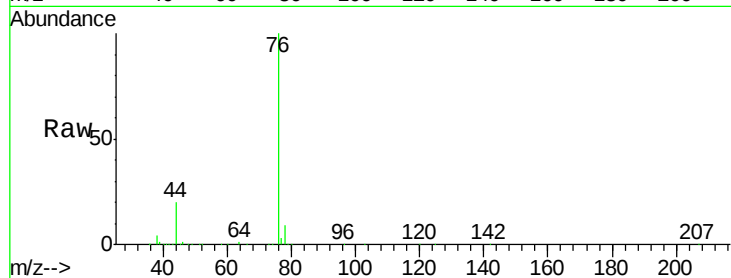
#17
Carbon Disulfide
Concen: 17.510 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

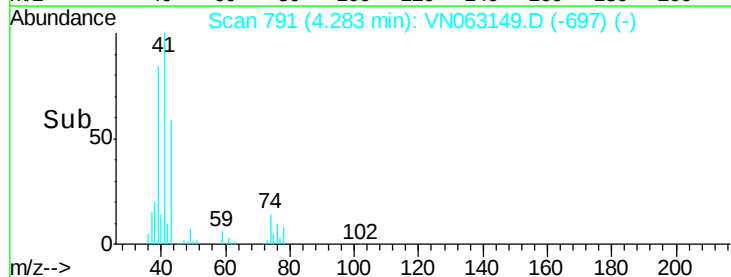
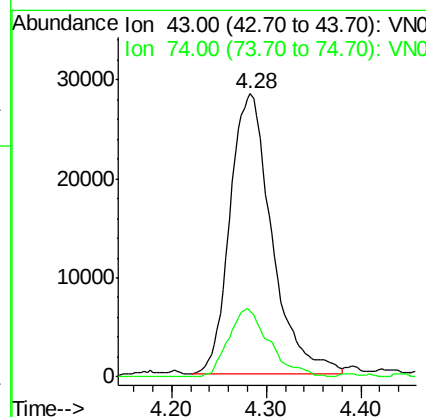
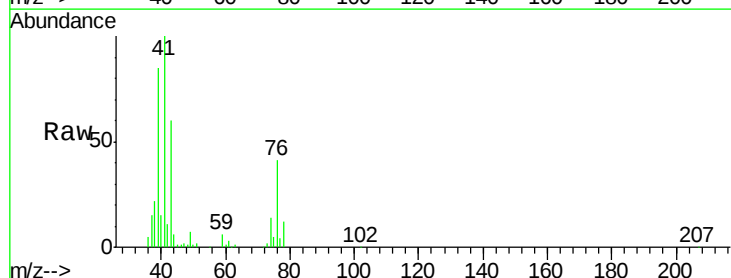
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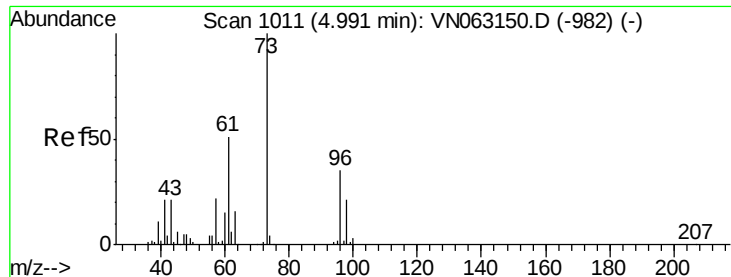
MMDadoda
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#18
Methyl Acetate
Concen: 14.790 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.0	28.6





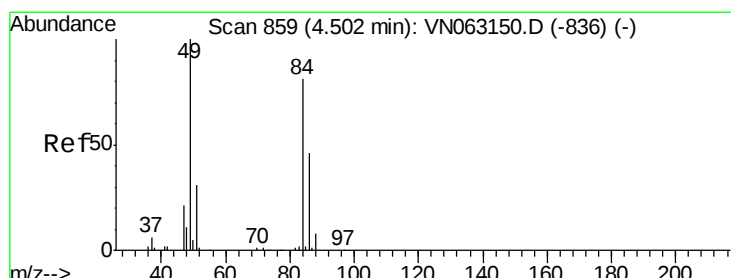
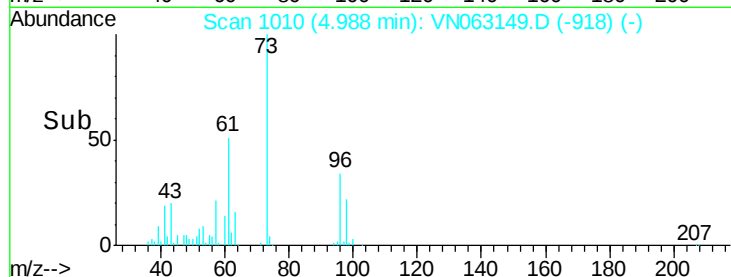
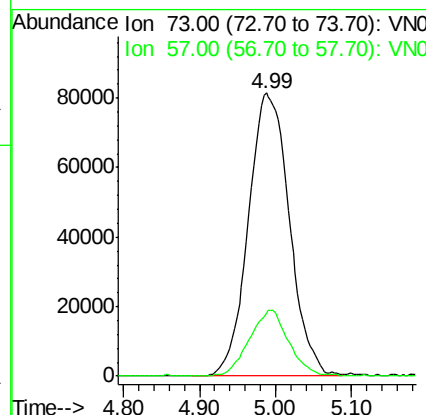
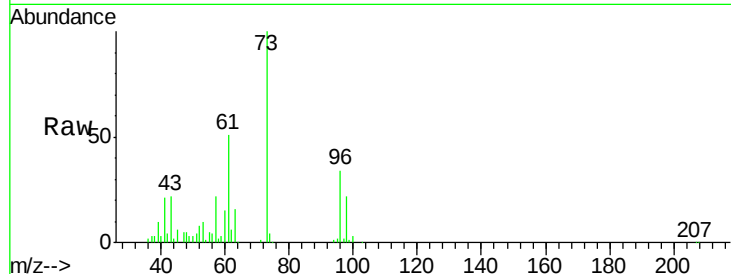
#19
Methvl tert-butvl Ether
Concen: 22.401 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 305142
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

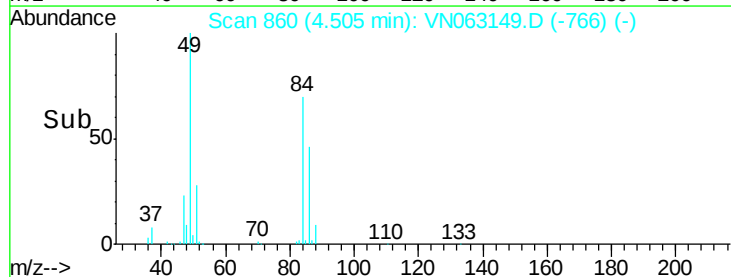
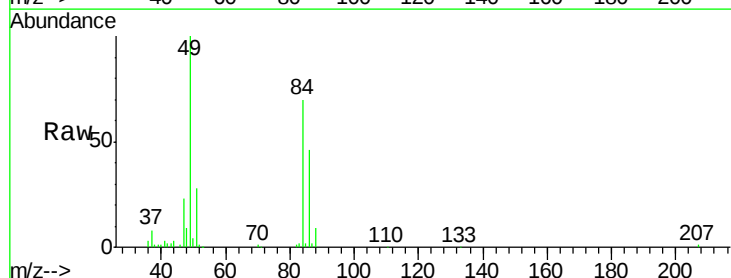
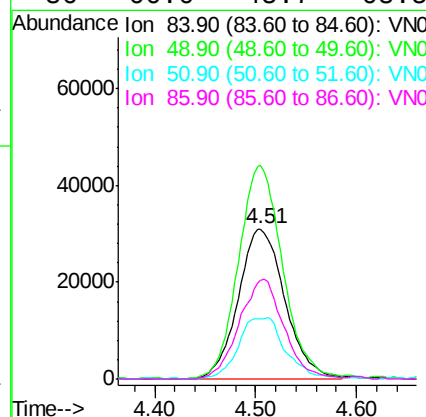
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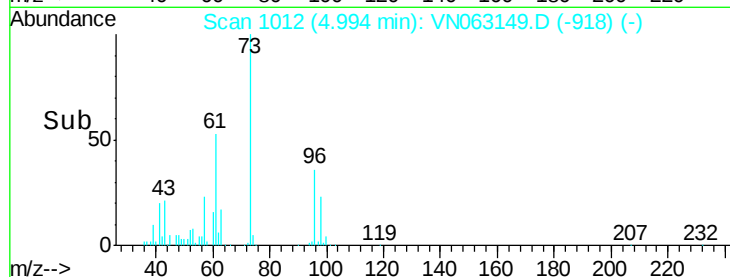
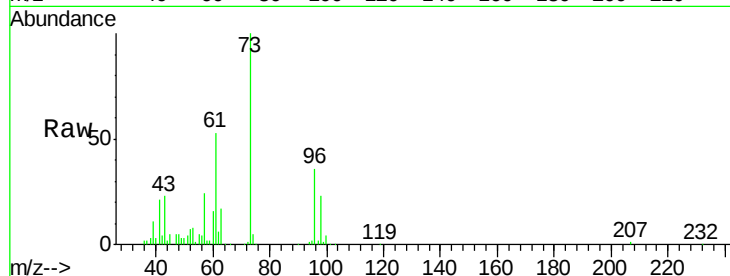
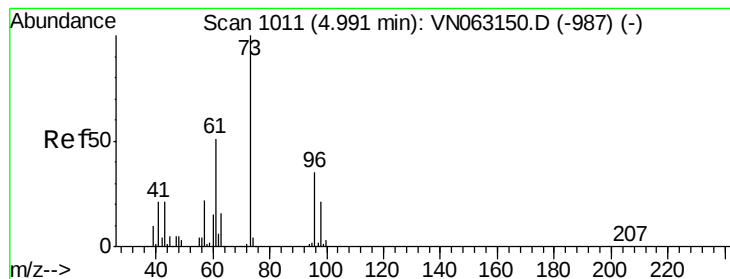
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#20
Methylene Chloride
Concen: 16.912 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion: 84 Resp: 99518
Ion Ratio Lower Upper
84 100
49 141.5 98.4 147.6
51 40.4 30.4 45.6
86 66.0 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 17.957 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tot Ion:	96	Resp:	90485
Ion	Ratio	Lower	Upper
96	100		
61	147.1	116.2	174.4
98	64.7	48.0	72.0

Instrument :

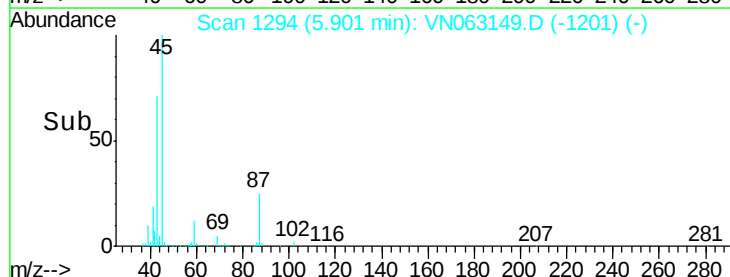
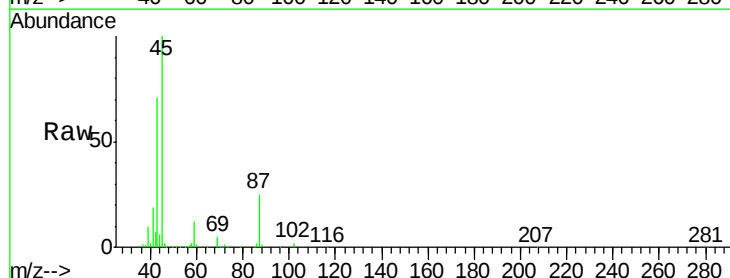
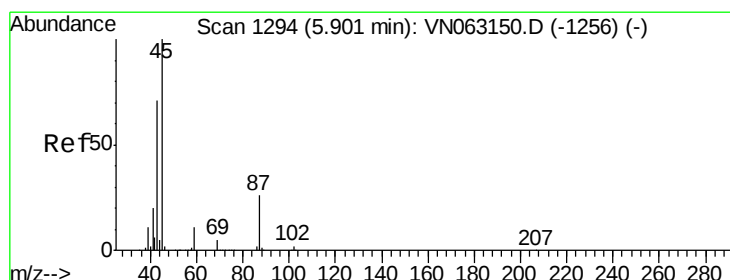
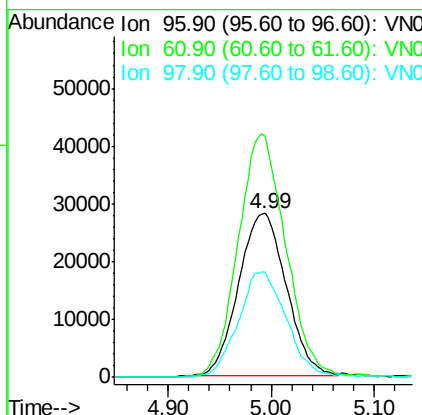
MSVOA_N

ClientSampleId :

VSTDIC020

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#22

Diisopropyl ether

Concen: 20.974 ug/l

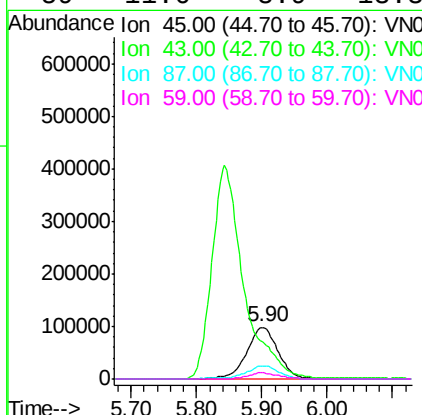
RT: 5.90 min Scan# 1294

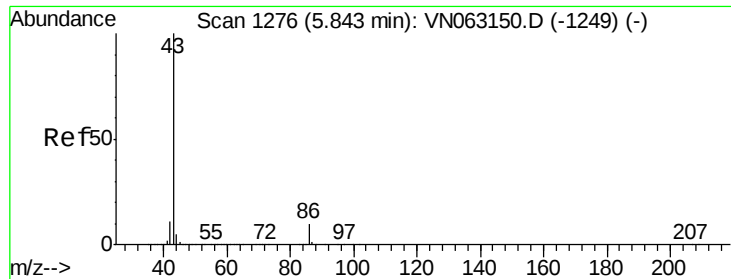
Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tgt Ion:	45	Resp:	327168
Ion	Ratio	Lower	Upper
45	100		
43	69.2	56.8	85.2
87	25.3	21.1	31.7
59	11.6	8.9	13.3





#23

Vinyl Acetate

Concen: 121.054 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1380377

Ion Ratio Lower Upper

43 100

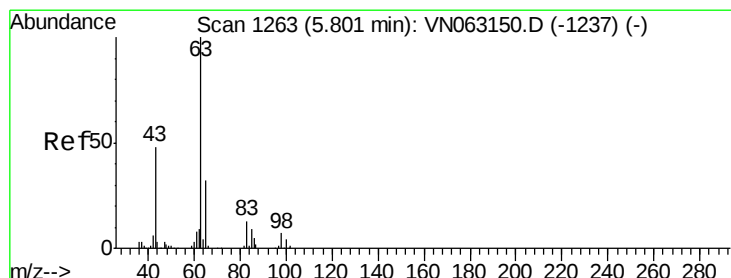
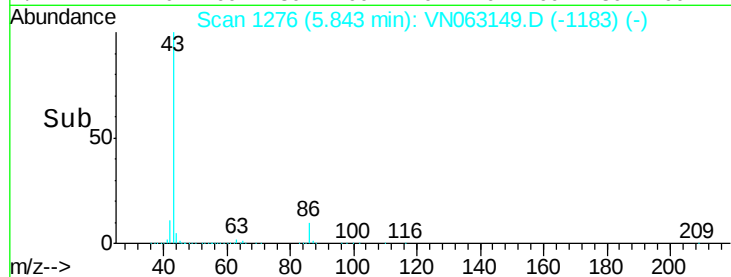
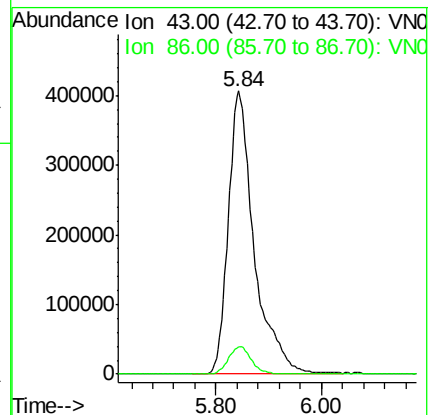
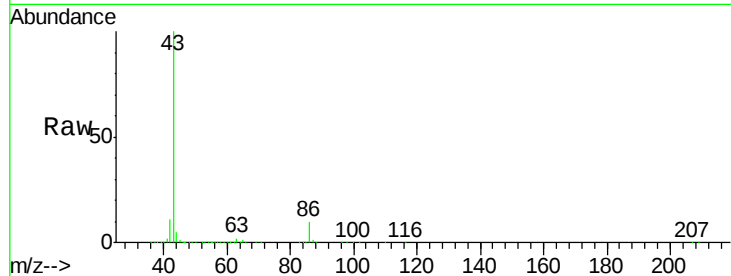
86 9.7 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.864 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

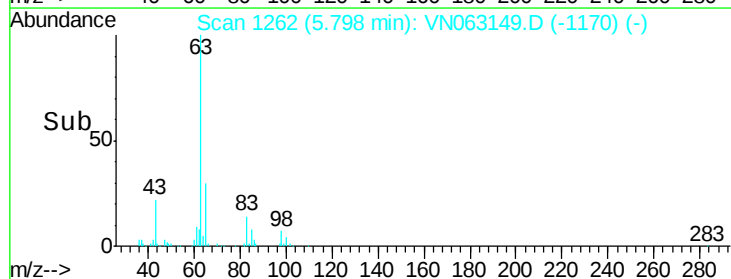
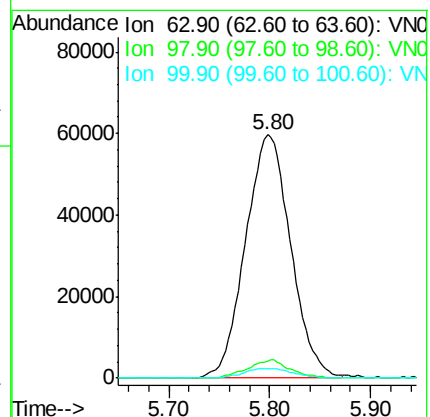
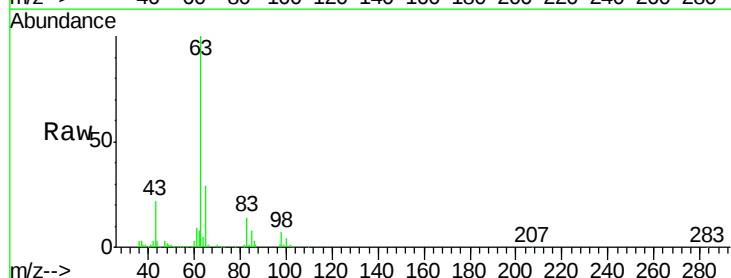
Tgt Ion: 63 Resp: 185788

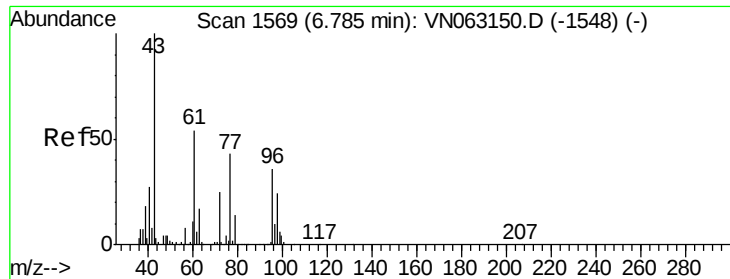
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 3.9 2.3 6.8





#25

2-Butanone

Concen: 114.741 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 273118

Ion Ratio Lower Upper

43 100

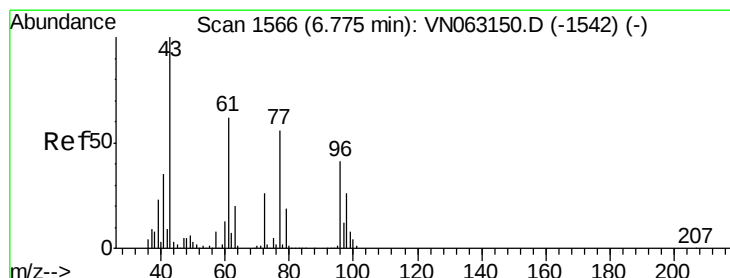
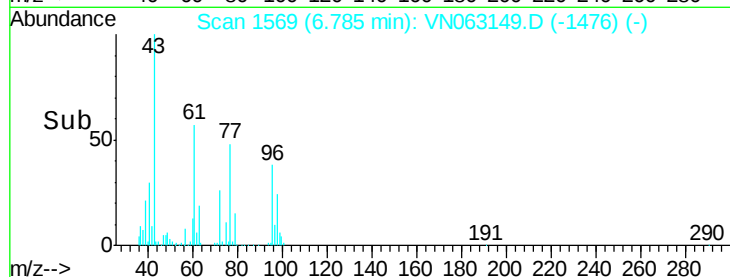
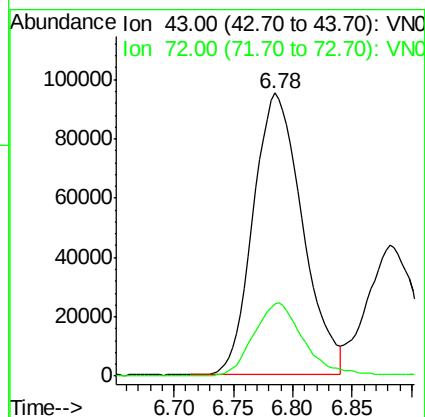
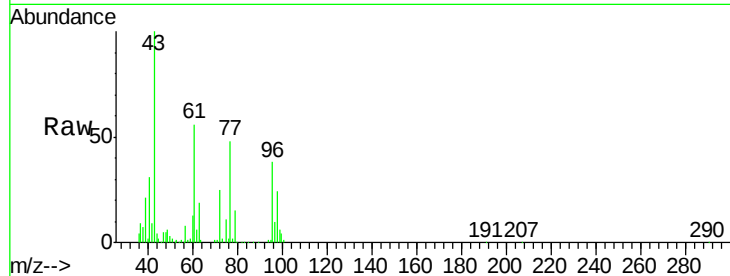
72 25.5 20.2 30.4

Manual Integrations

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MMDadoda

9/1/2020 9:07:11 AM



#26

2,2-Dichloropropane

Concen: 20.381 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063149.D

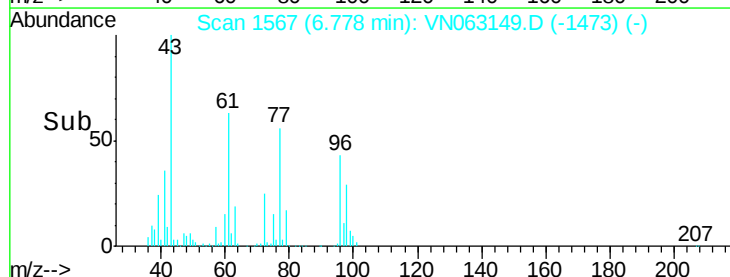
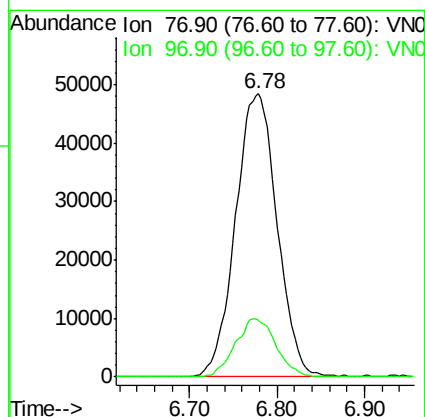
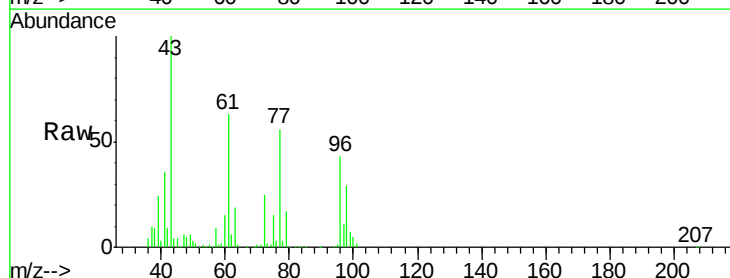
Acq: 31 Aug 2020 13:47

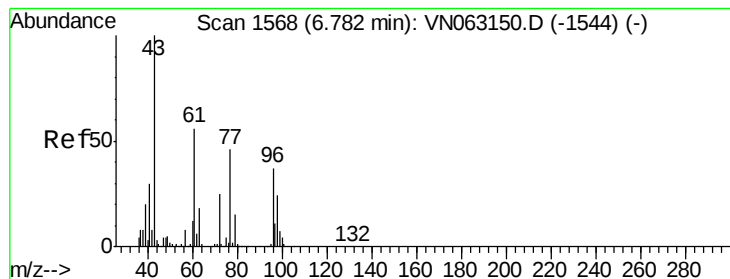
Tgt Ion: 77 Resp: 159594

Ion Ratio Lower Upper

77 100

97 20.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.775 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

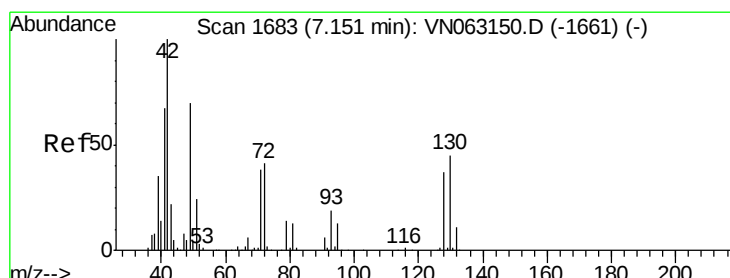
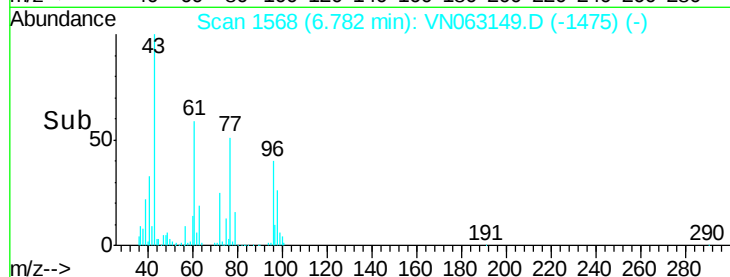
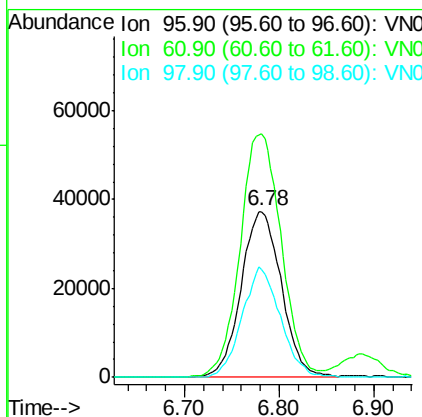
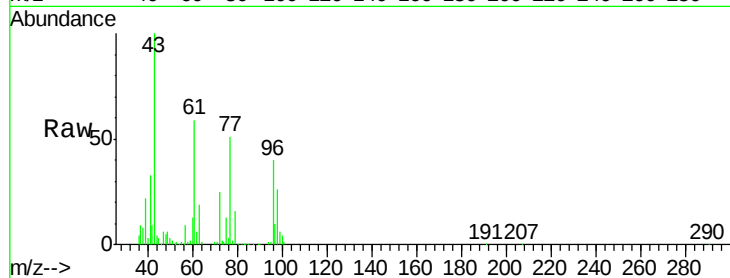
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	110254
Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	303.2
98	63.3	0.0	129.0

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#28

Bromochloromethane

Concen: 20.640 ug/l

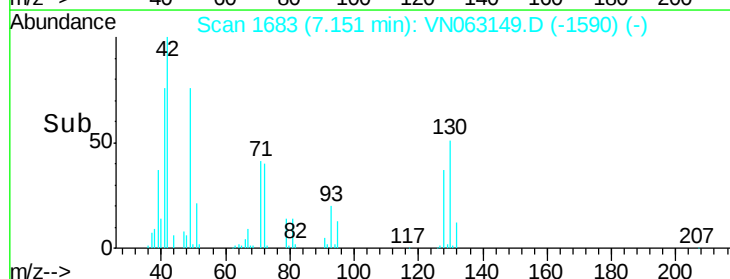
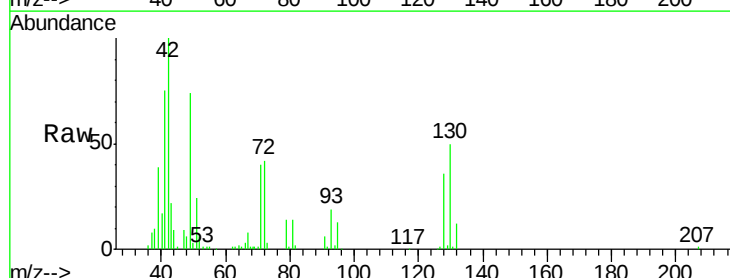
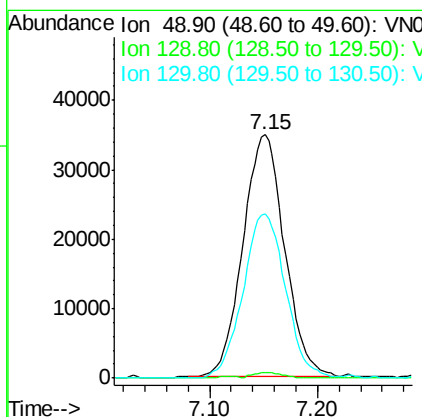
RT: 7.15 min Scan# 1683

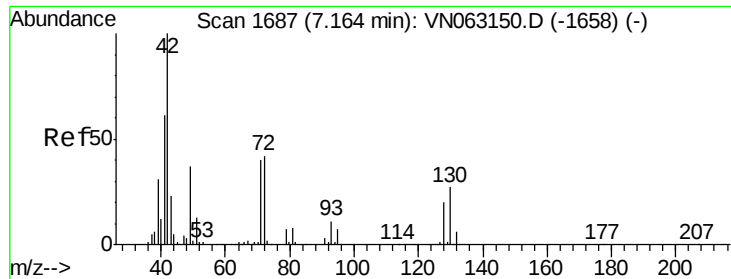
Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tgt Ion:	49	Resp:	93671
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	69.0	54.4	81.6





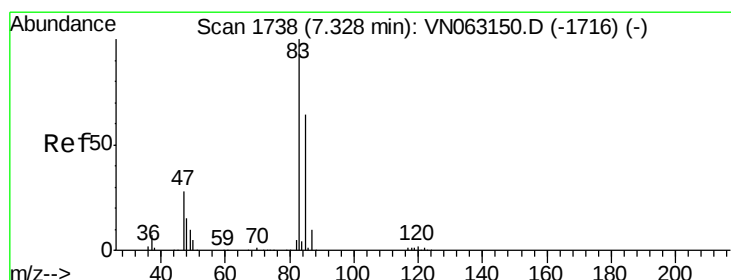
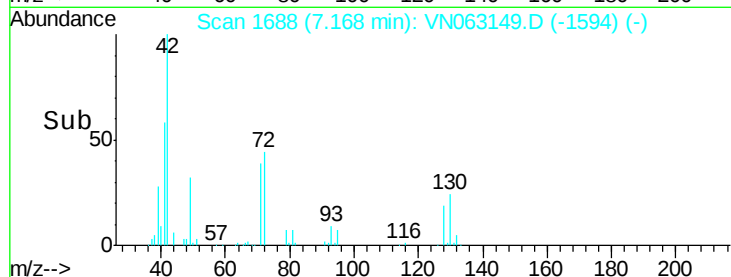
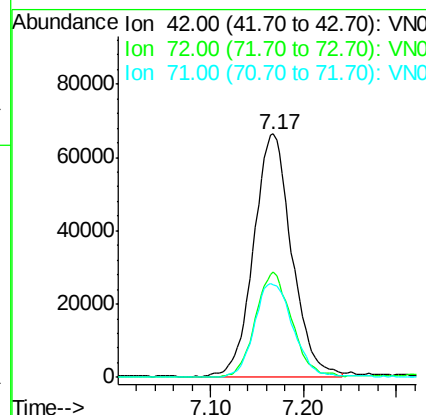
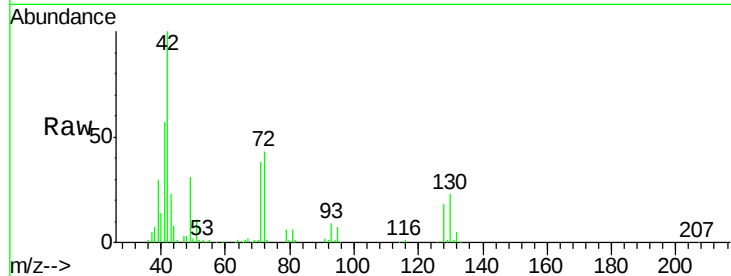
#29
Tetrahydrofuran
Concen: 126.053 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.9	50.9
71	39.0	31.9	47.9

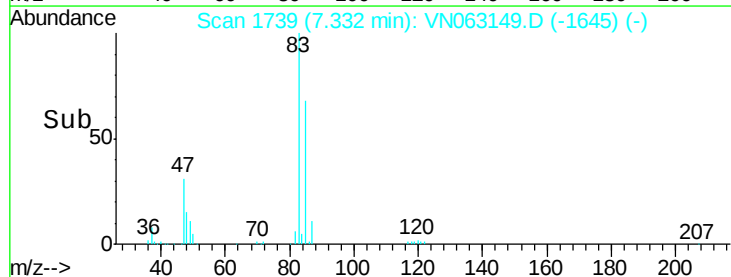
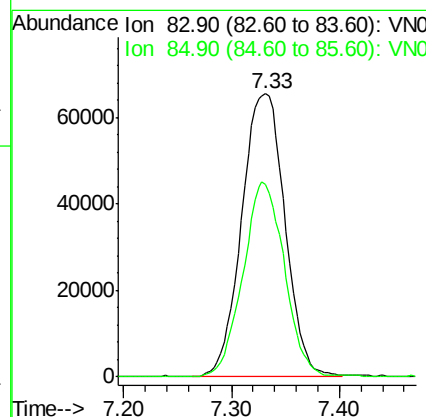
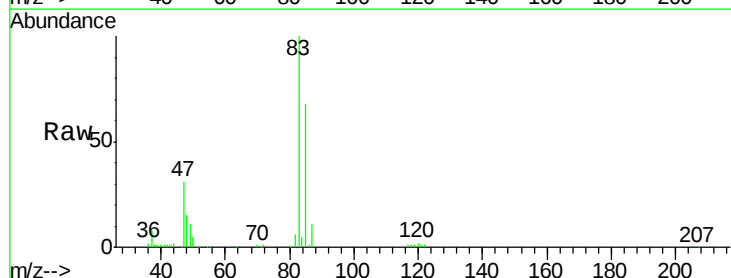
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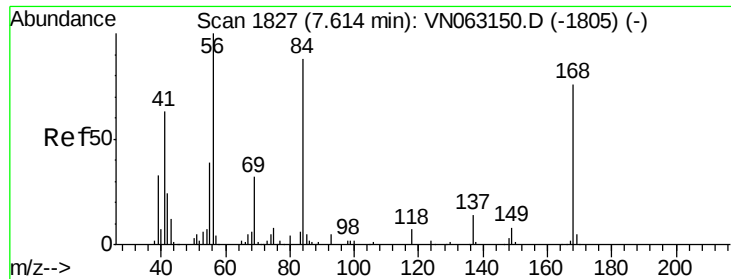
MMDadoda
9/1/2020 9:07:11 AM



#30
Chloroform
Concen: 18.065 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.0	76.6





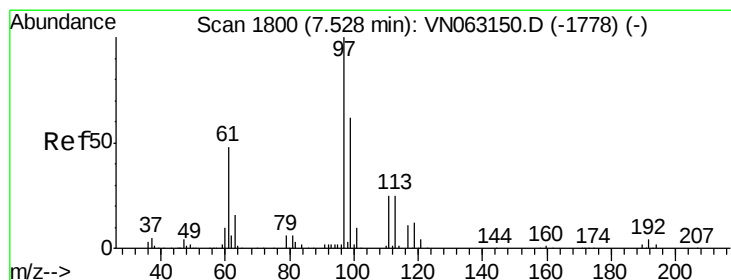
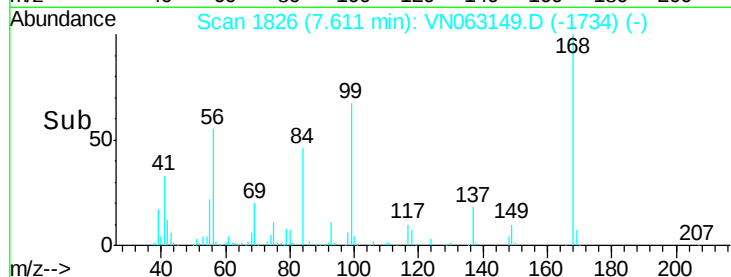
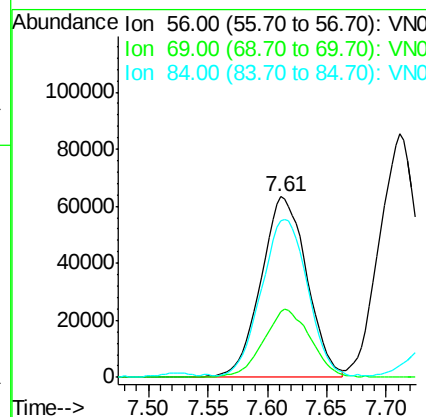
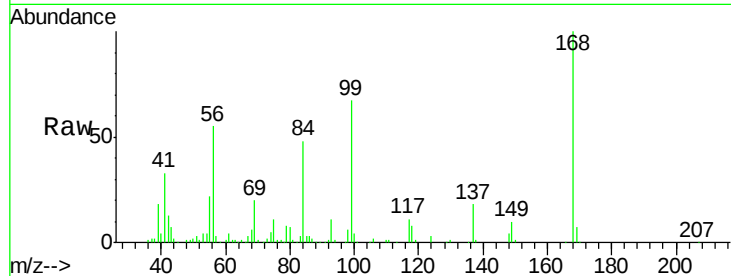
#31
Cyclohexane
Concen: 18.371 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.4	38.0
84	85.1	70.2	105.4

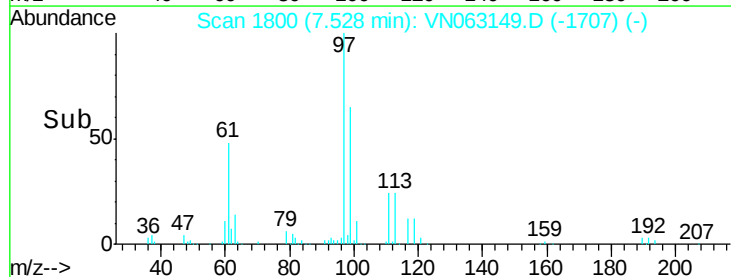
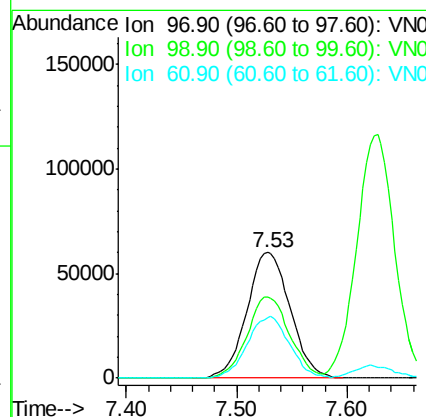
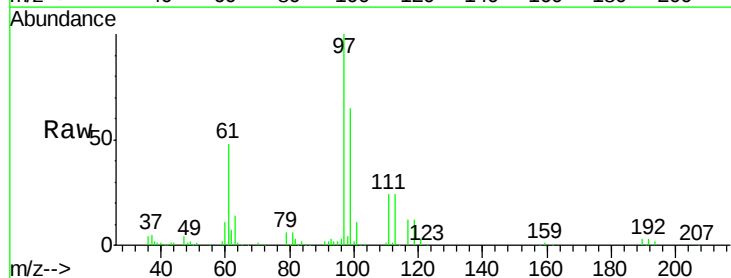
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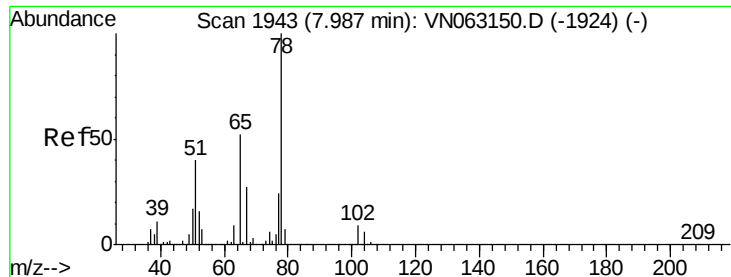
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#32
1,1,1-Trichloroethane
Concen: 18.513 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	48.0	37.4	56.2





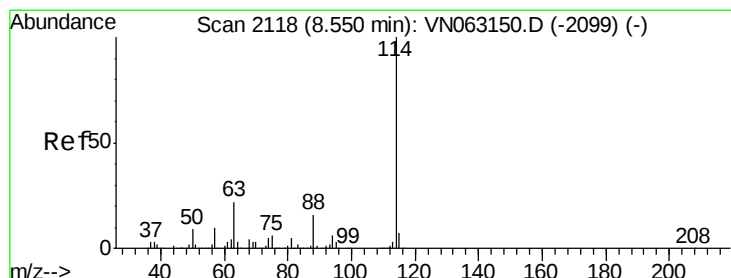
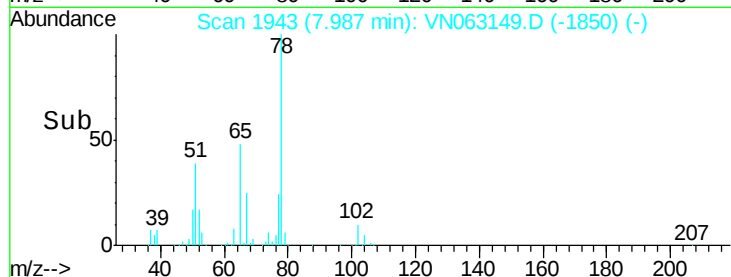
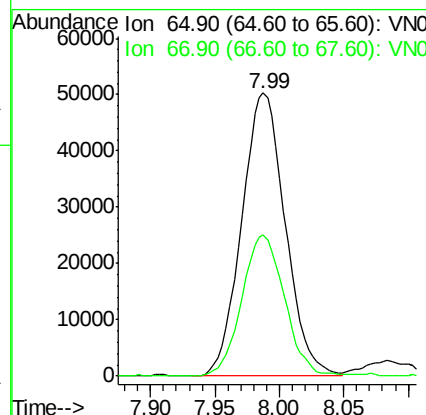
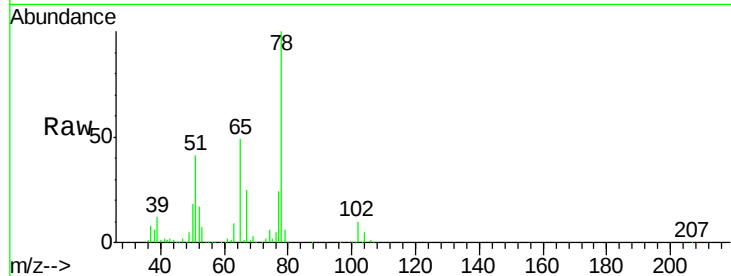
#33
 1,2-Dichloroethane-d4
 Concen: 19.198 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118390		
67	49.0	0.0	0.0	104.4

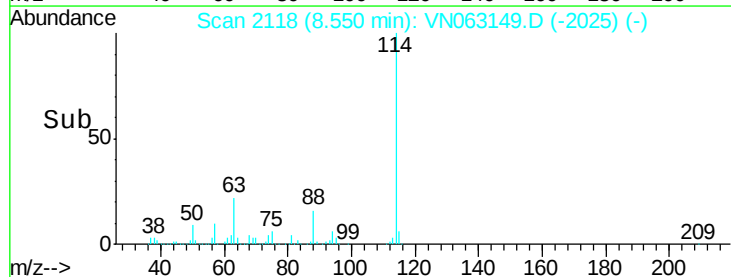
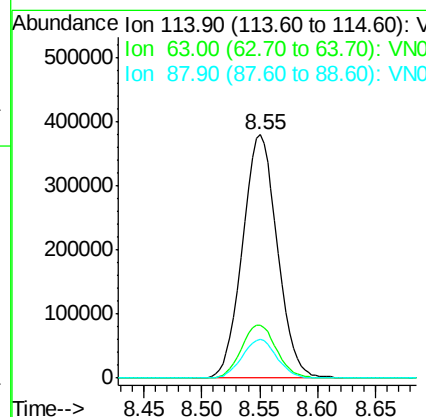
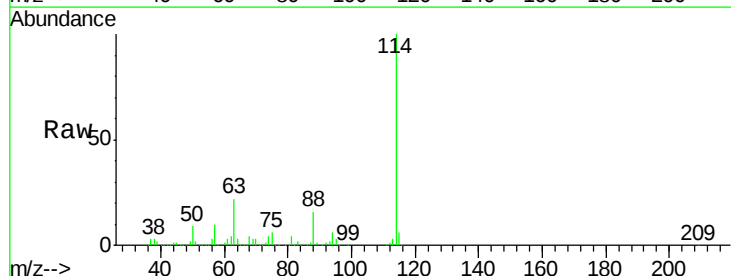
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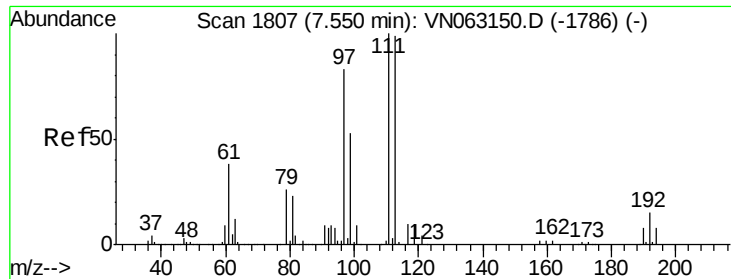
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	792765		
63	21.7	0.0	0.0	43.0
88	15.9	0.0	0.0	31.6





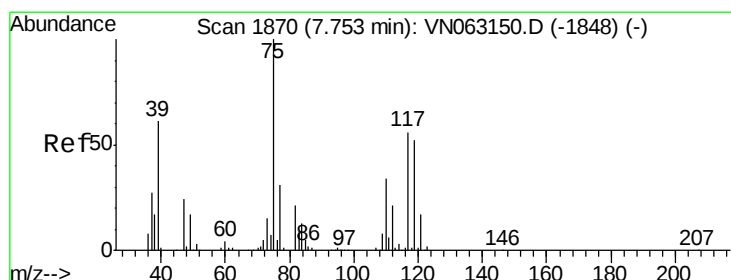
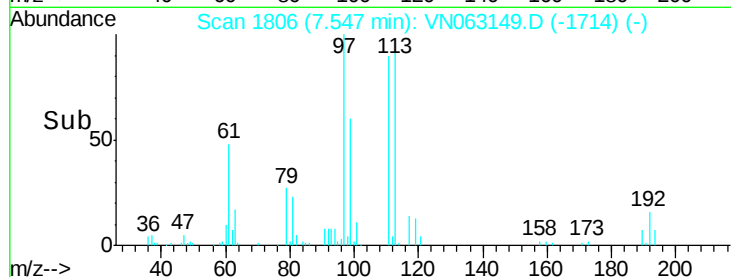
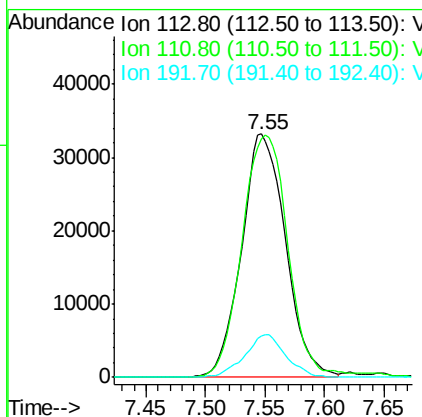
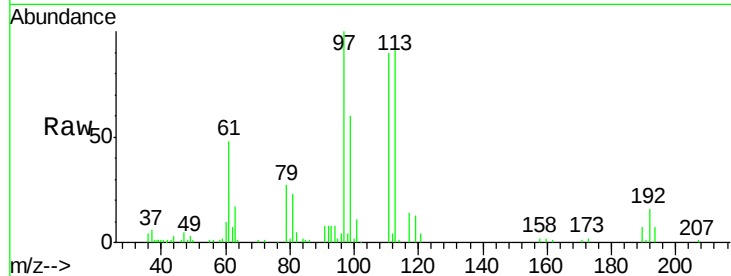
#35
 Dibromofluoromethane
 Concen: 13.287 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.7	121.1
192	16.3	12.6	19.0

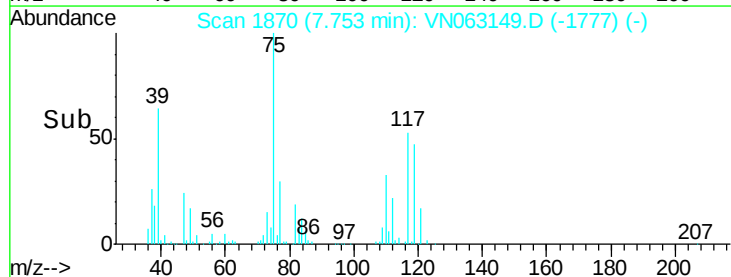
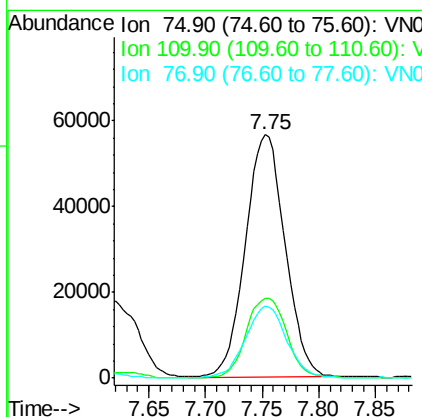
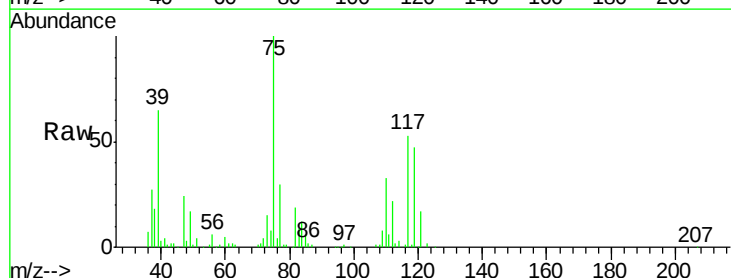
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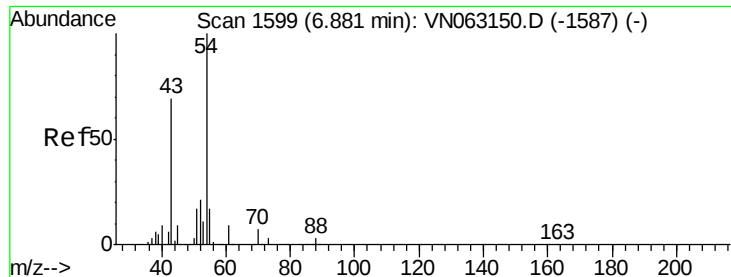
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#36
 1,1-Dichloropropene
 Concen: 15.970 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.6	49.8
77	31.1	25.4	38.2





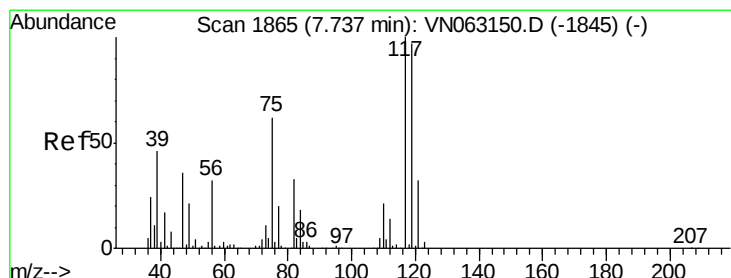
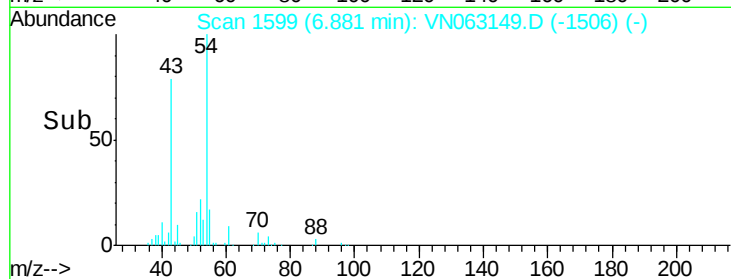
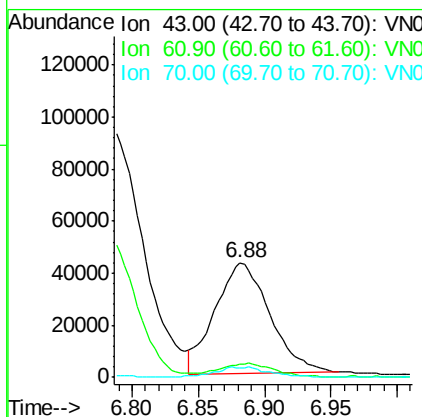
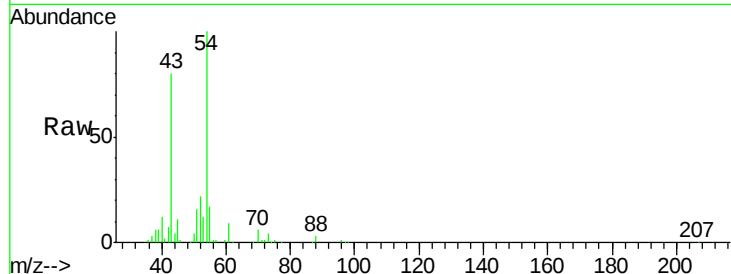
#37
Ethyl Acetate
Concen: 19.312 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.2	15.4
70	4.0	3.0	4.6

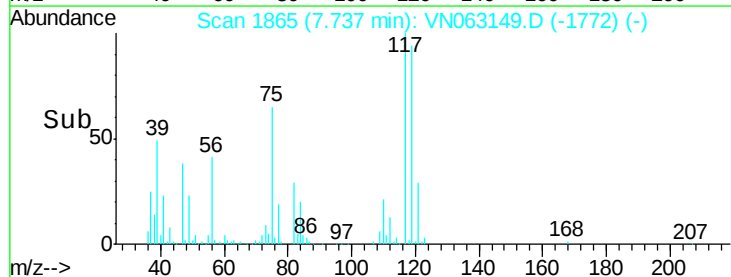
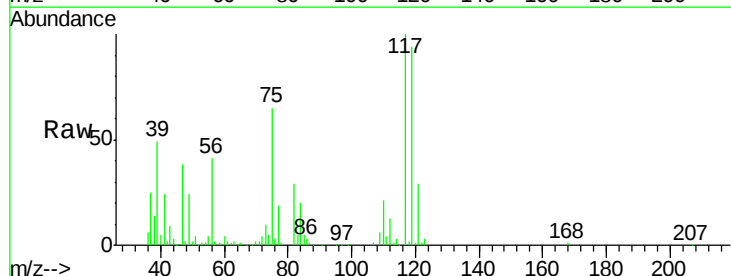
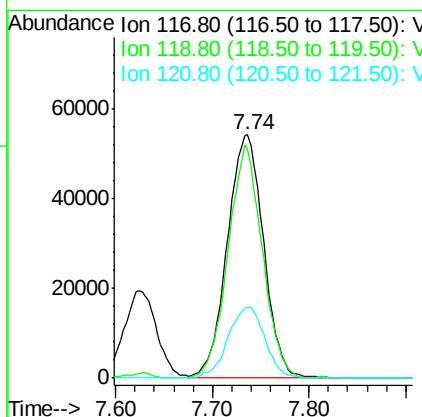
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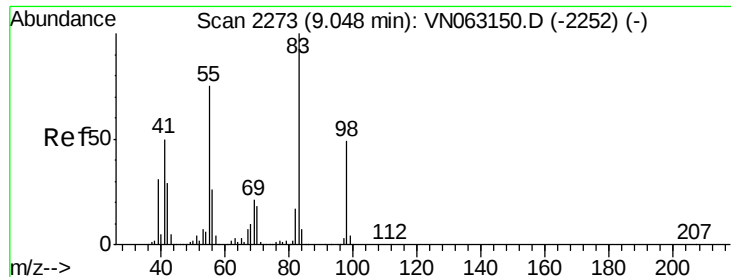
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#38
Carbon Tetrachloride
Concen: 15.170 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.2	115.8
121	29.1	25.6	38.4





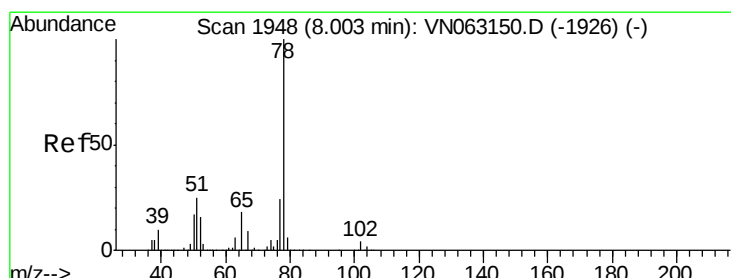
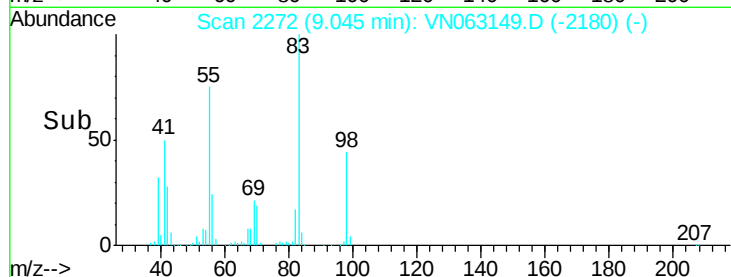
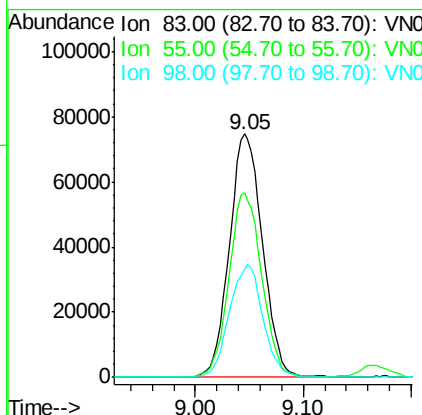
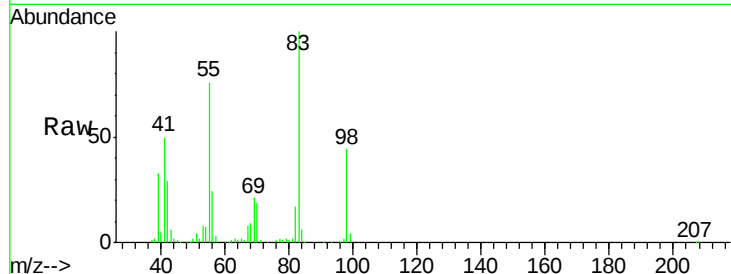
#39
Methvlcvclohexane
Concen: 17.651 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	159997		
55	75.8		60.3	90.5
98	44.3		38.9	58.3

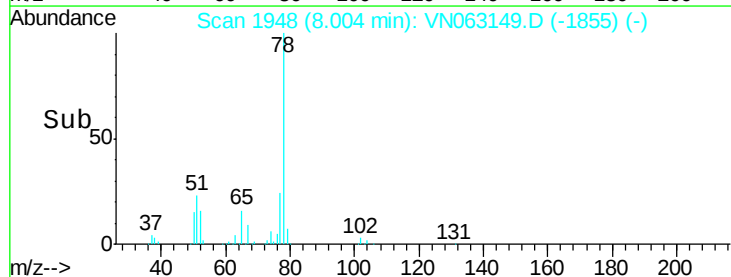
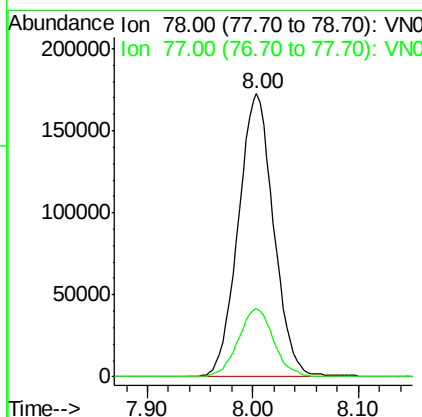
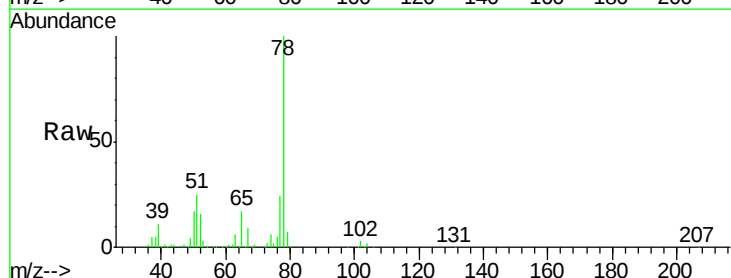
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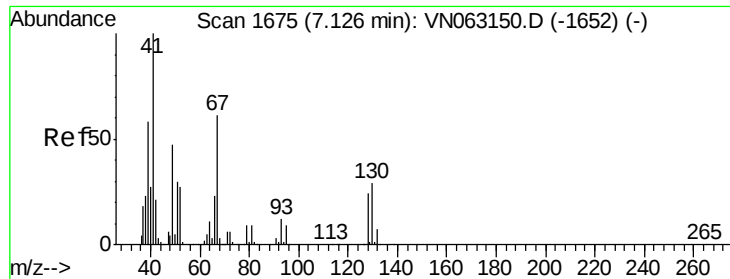
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#40
Benzene
Concen: 15.206 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	401898		
77	23.9		19.3	28.9





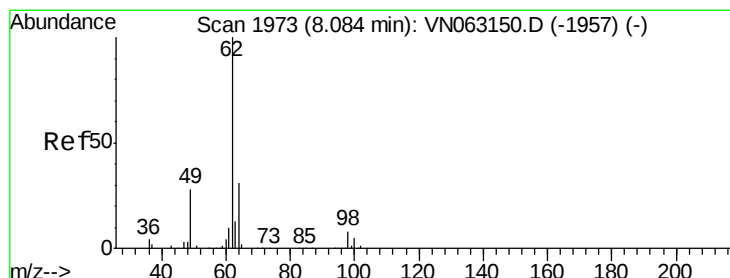
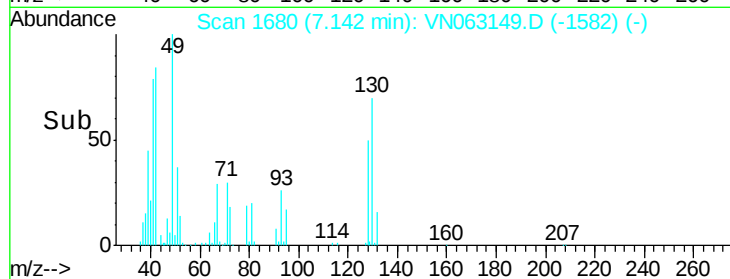
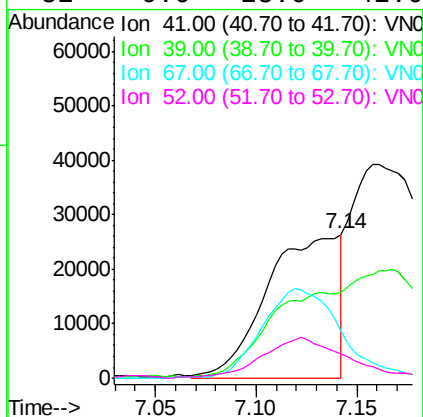
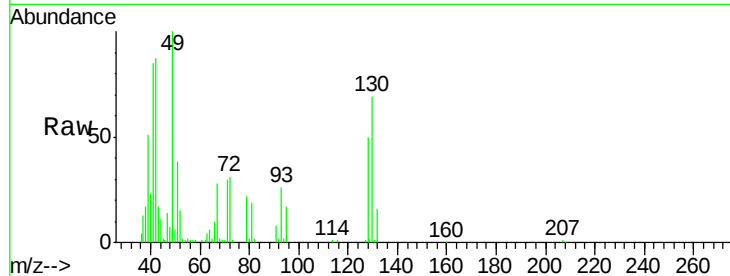
#41
Methacrylonitrile
Concen: 21.087 ug/l m
RT: 7.14 min Scan# 1680
Delta R.T. 0.02 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		66006		
39	0.0	46.6	70.0#		
67	0.0	62.6	94.0#		
52	0.0	28.0	42.0#		

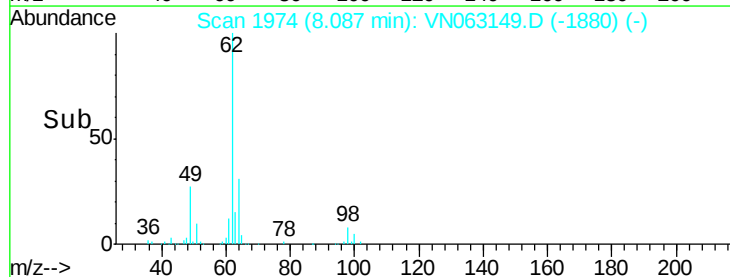
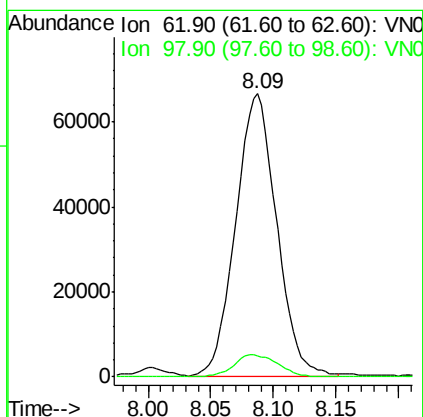
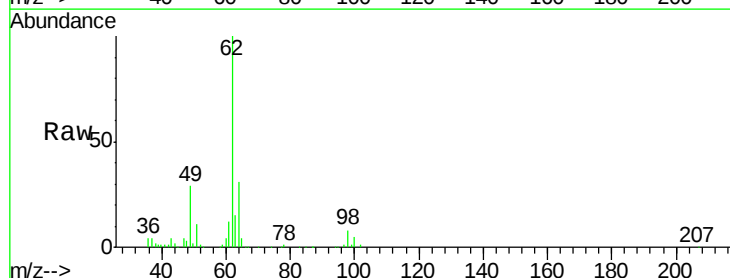
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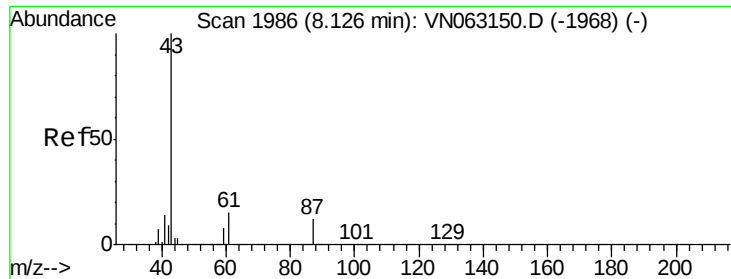
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#42
1,2-Dichloroethane
Concen: 16.827 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		150362		
98	8.5	0.0	17.2		





#43

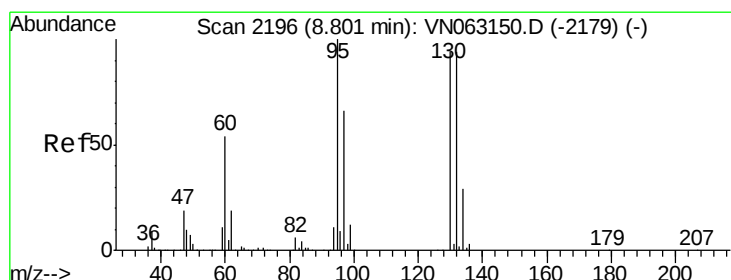
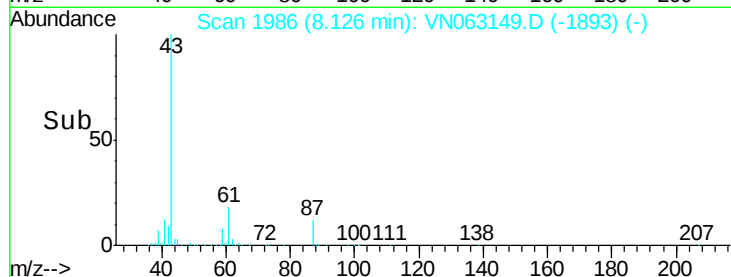
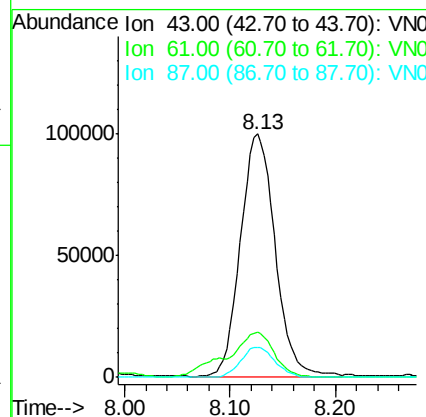
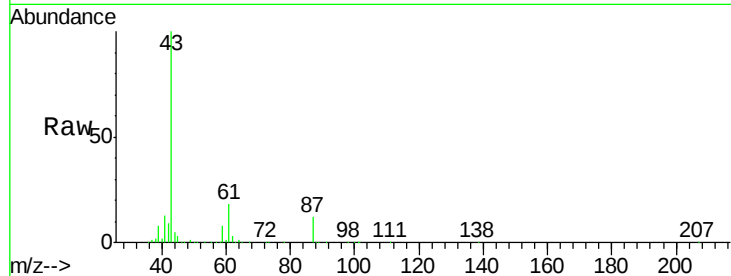
Isopropyl Acetate
 Concen: 20.640 ug/l
 RT: 8.13 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.2	30.4
87	12.2	9.8	14.6

Manual Integrations
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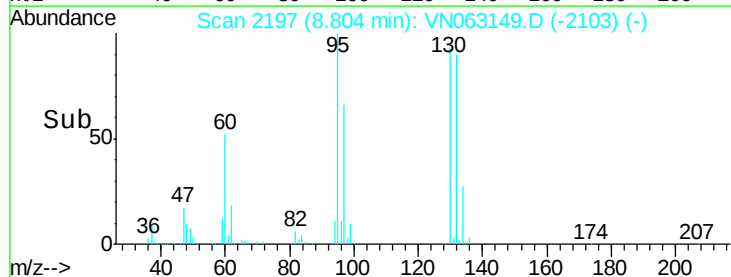
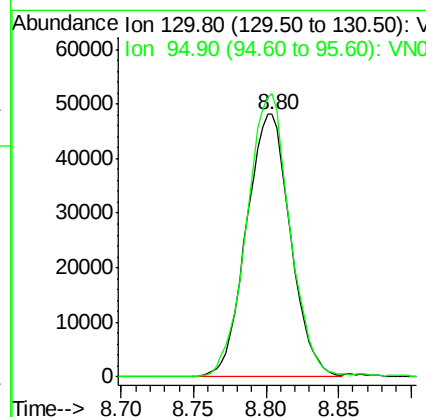
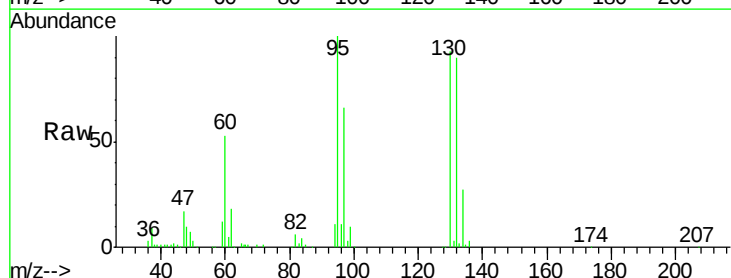
MMDadoda
 9/1/2020 9:07:11 AM

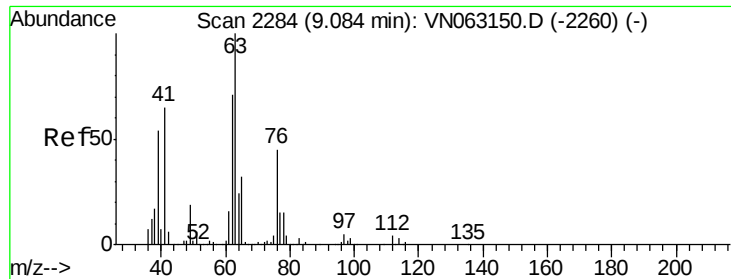


#44

Trichloroethene
 Concen: 14.836 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	212.0





#45

1,2-Dichloropropane

Concen: 15.047 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 107039

Ion Ratio Lower Upper

63 100

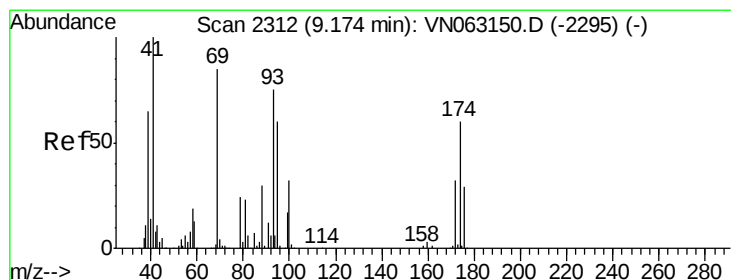
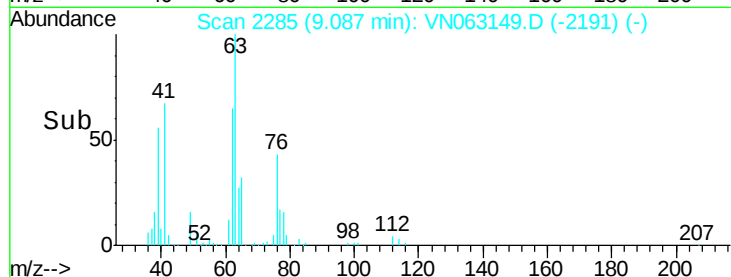
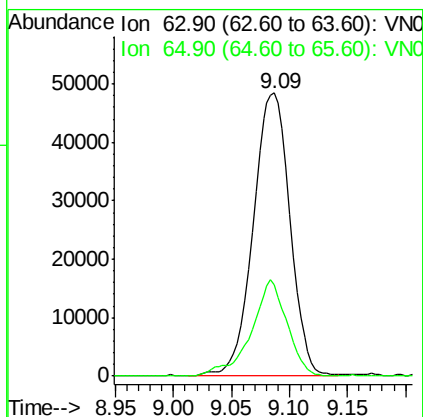
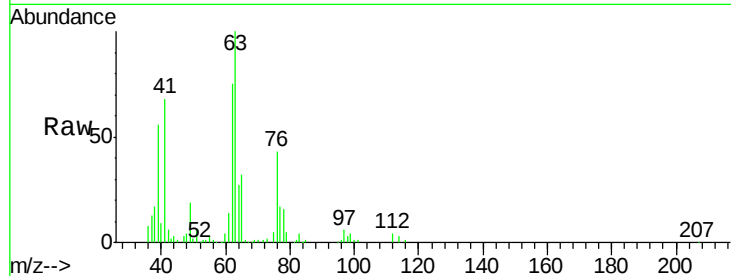
65 32.2 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 15.853 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

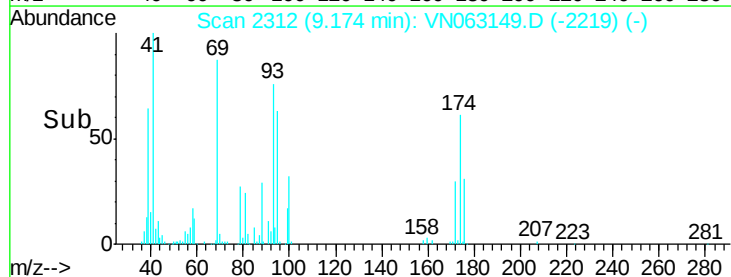
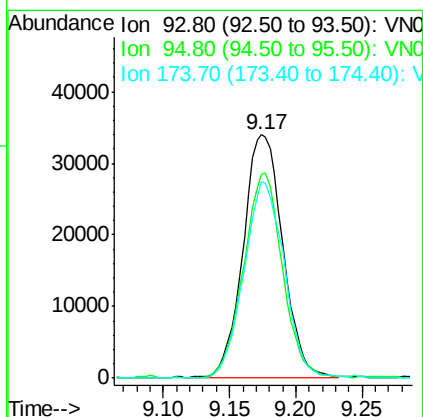
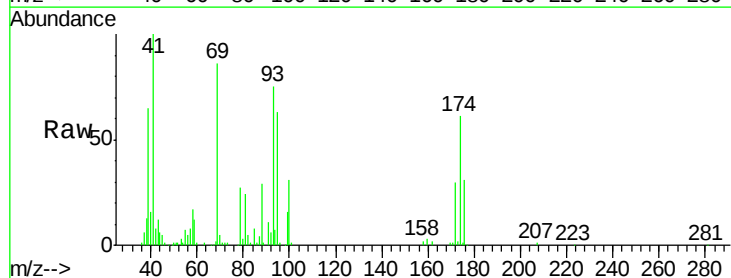
Tgt Ion: 93 Resp: 70806

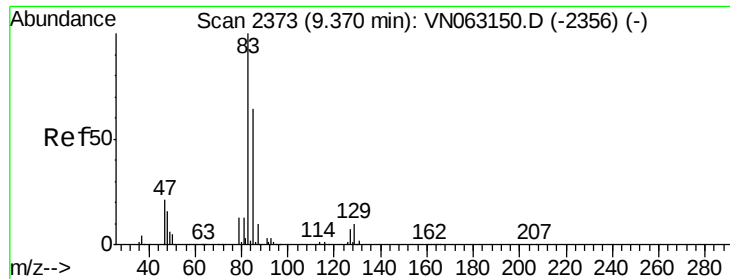
Ion Ratio Lower Upper

93 100

95 82.8 65.2 97.8

174 81.5 64.6 97.0





#47

Bromodichloromethane

Concen: 16.439 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

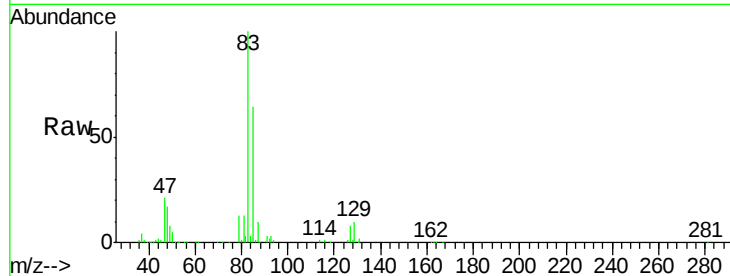
ClientSampleId :

VSTDIC020

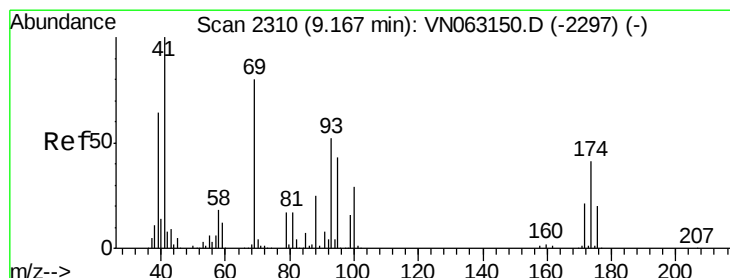
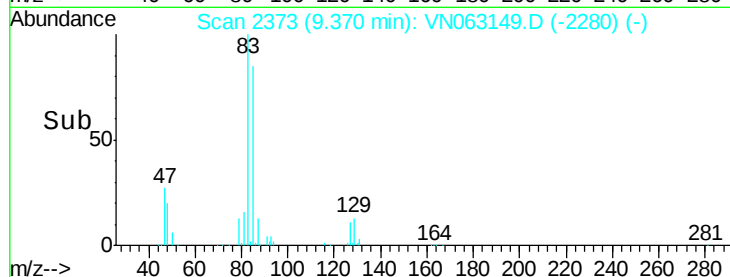
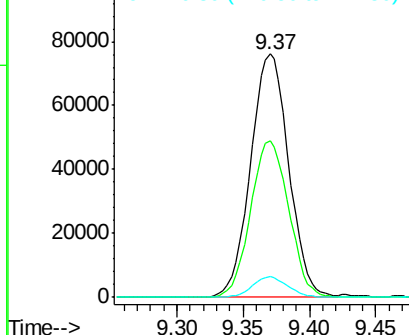
Tot Ion:	83	Resp:	152509
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6
127	8.4	5.7	8.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.298 ug/l

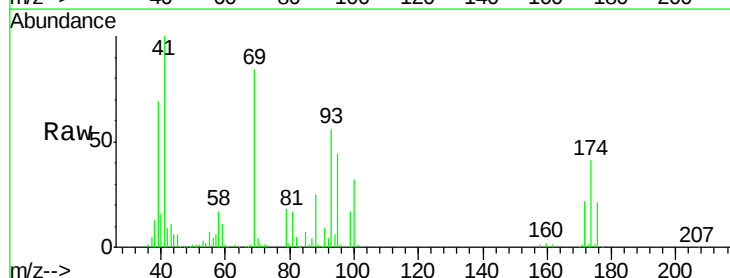
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

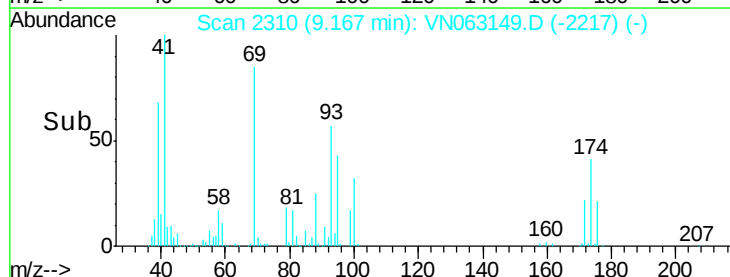
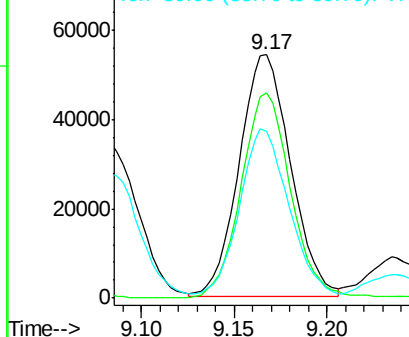
Lab File: VN063149.D

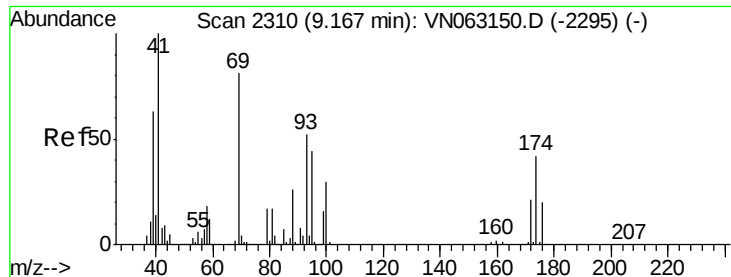
Acq: 31 Aug 2020 13:47

Tgt Ion:	41	Resp:	105006
Ion	Ratio	Lower	Upper
41	100		
69	82.2	65.9	98.9
39	66.9	52.0	78.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





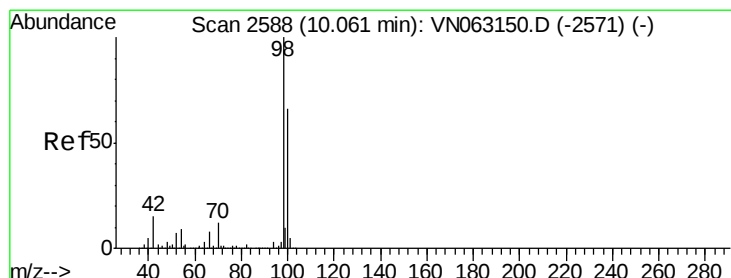
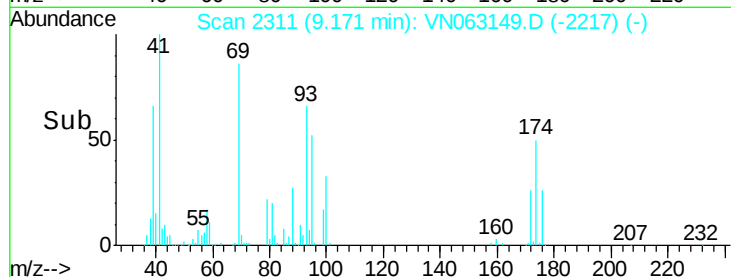
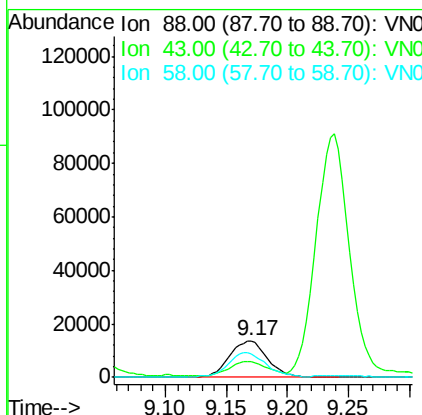
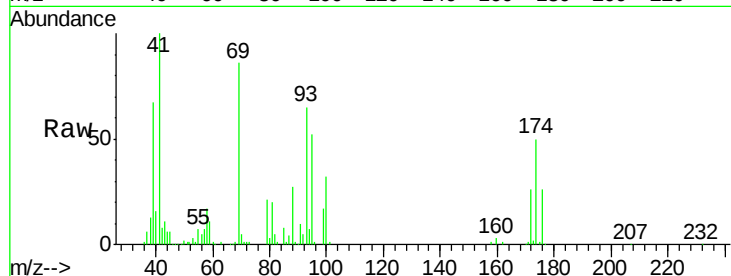
#49
1,4-Dioxane
Concen: 380.373 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	29392
Ion	Ratio	Lower	Upper
88	100		
43	40.0	28.6	42.8
58	68.1	53.2	79.8

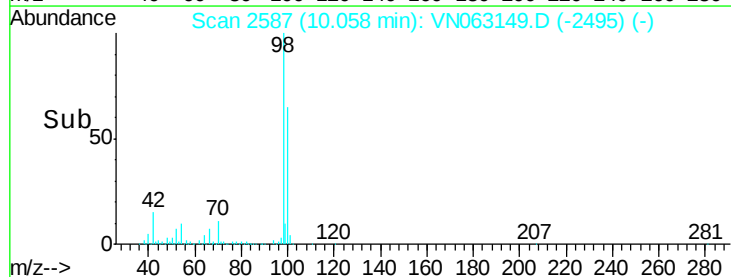
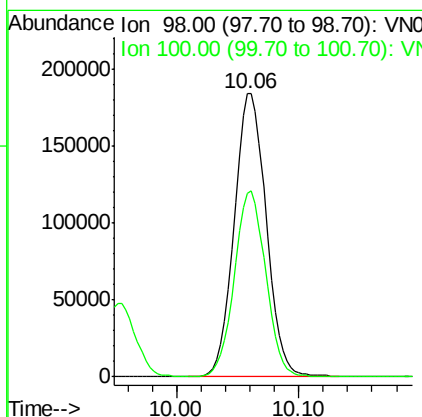
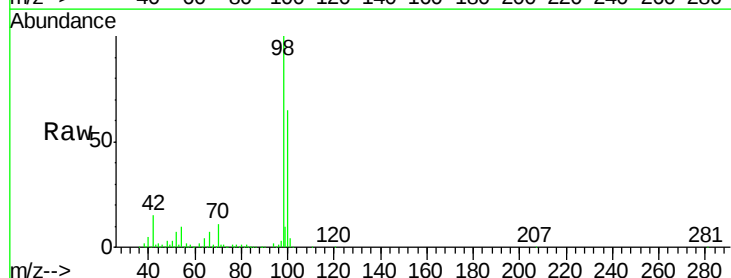
Manual Integrations
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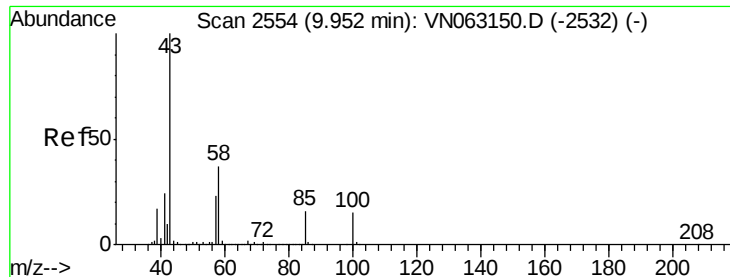
MMDadoda
9/1/2020 9:07:11 AM



#50
Toluene-d8
Concen: 14.310 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	98	Resp	334871
Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 103.443 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 634594

Ion Ratio Lower Upper

43 100

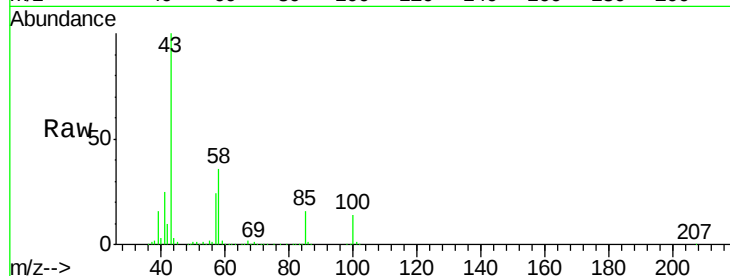
58 36.7 29.2 43.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

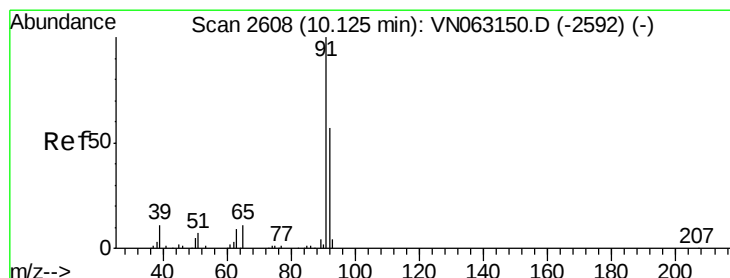
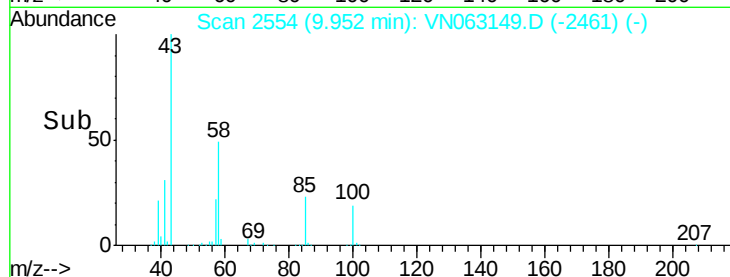
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 15.920 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063149.D

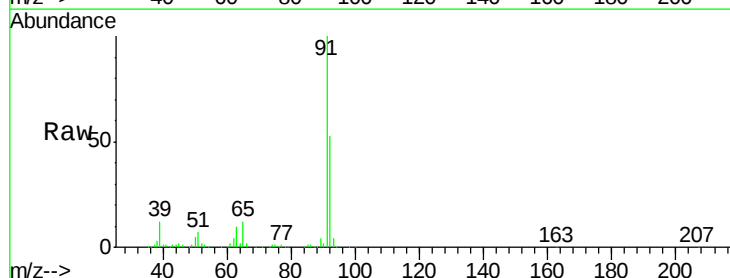
Acq: 31 Aug 2020 13:47

Tgt Ion: 92 Resp: 250366

Ion Ratio Lower Upper

92 100

91 176.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.13

250000

200000

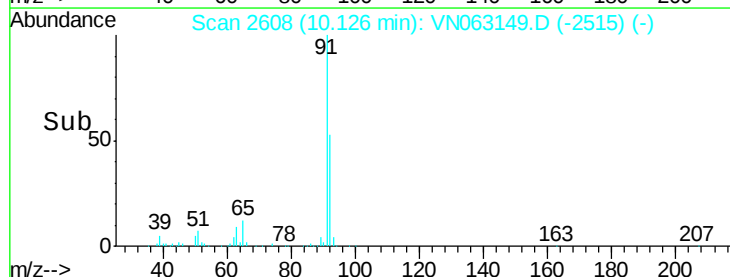
150000

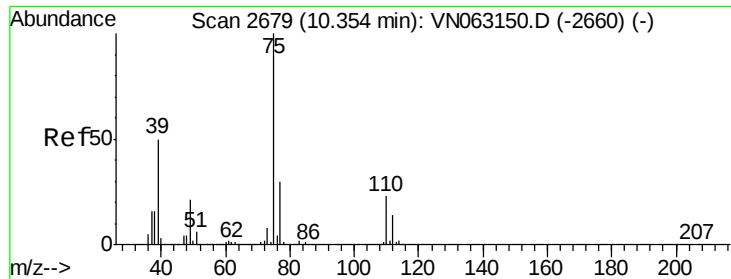
100000

50000

0

Time-->





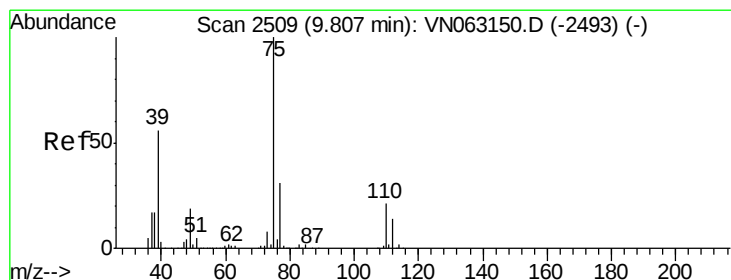
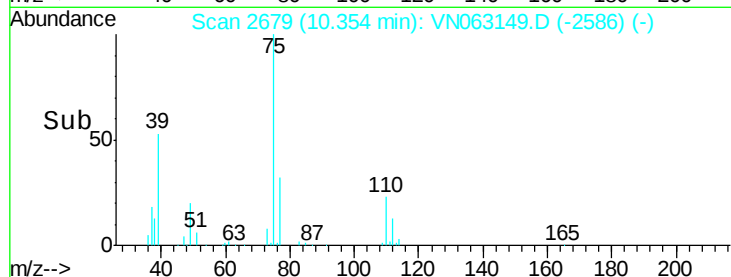
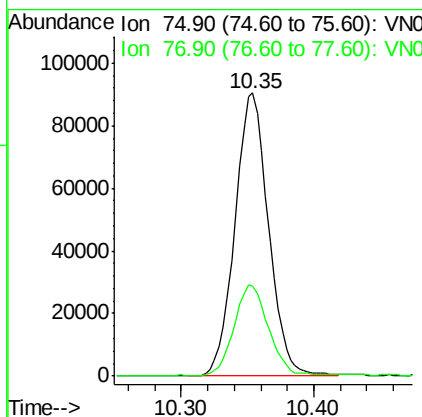
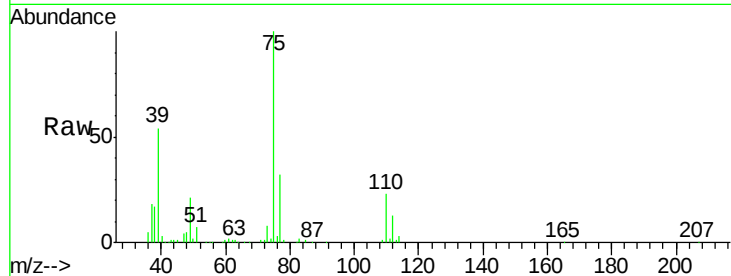
#53
t-1,3-Dichloropropene
Concen: 17.043 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	75	Resp	159198
Ion Ratio	Lower	Upper	
75	100		
77	31.5	24.2	36.2

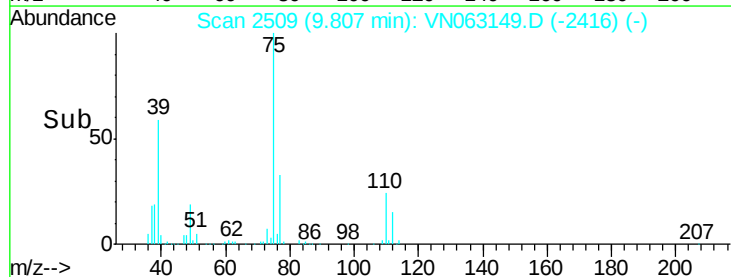
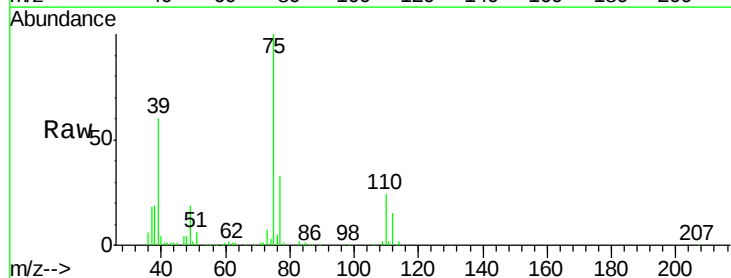
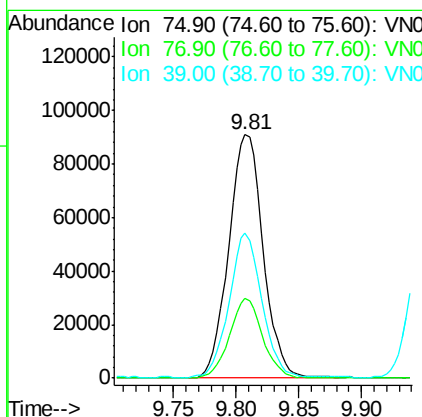
Manual Integrations
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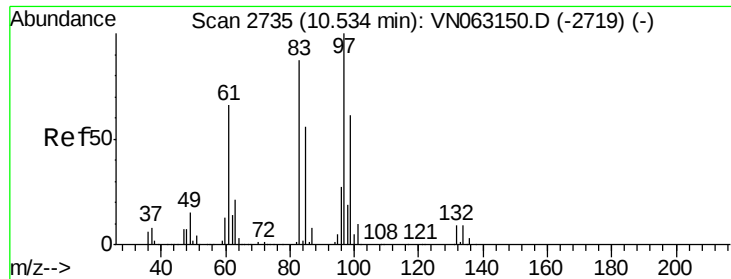
MMDadoda
9/1/2020 9:07:11 AM



#54
cis-1,3-Dichloropropene
Concen: 17.085 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	75	Resp	173582
Ion Ratio	Lower	Upper	
75	100		
77	32.7	24.8	37.2
39	59.2	45.0	67.6





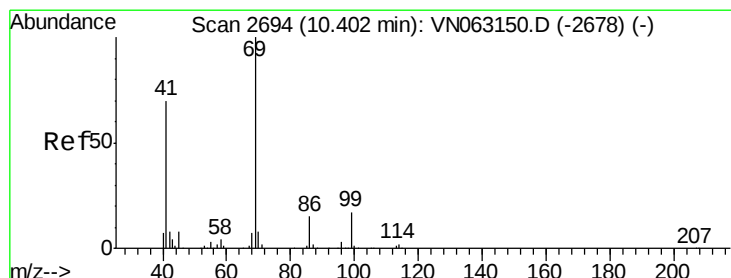
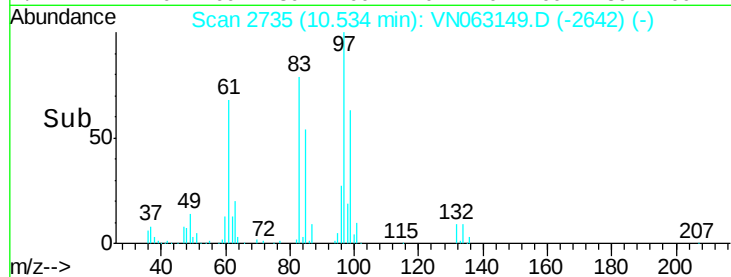
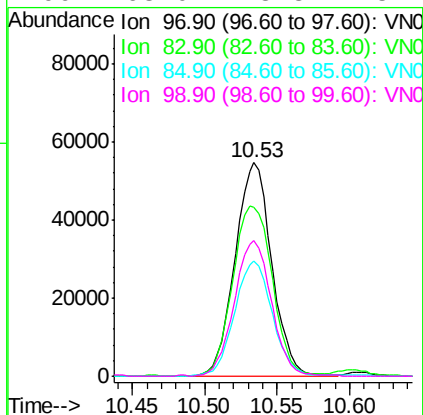
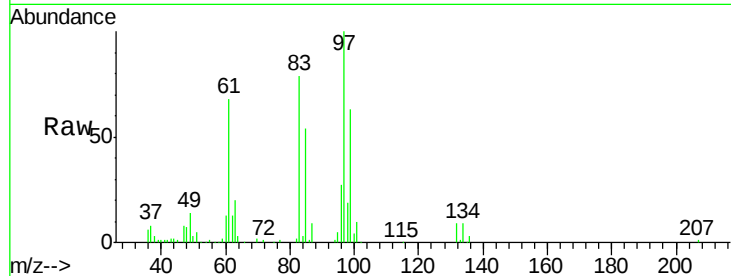
#55
 1,1,2-Trichloroethane
 Concen: 14.799 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	96540
Ion	Ratio	Lower	Upper
97	100		
83	79.4	69.8	104.8
85	53.4	44.9	67.3
99	63.0	48.8	73.2

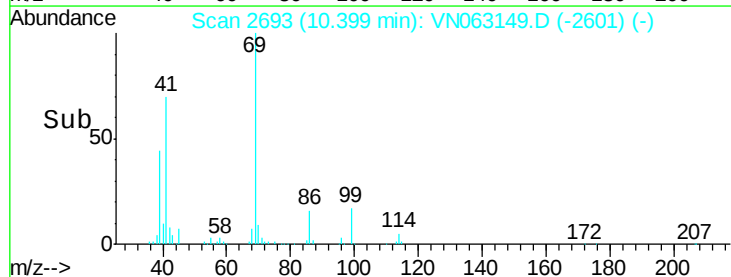
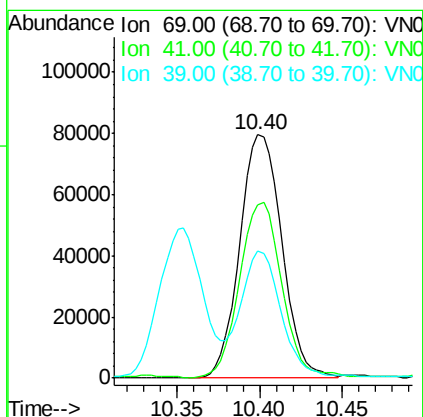
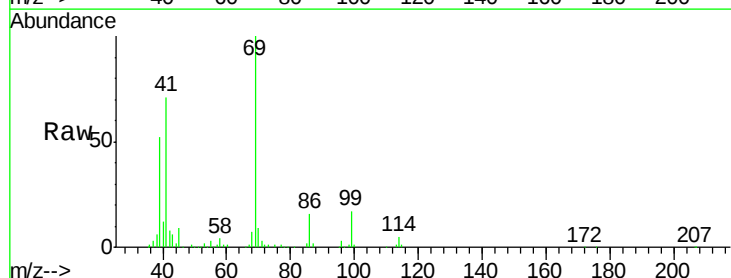
Manual Integrations
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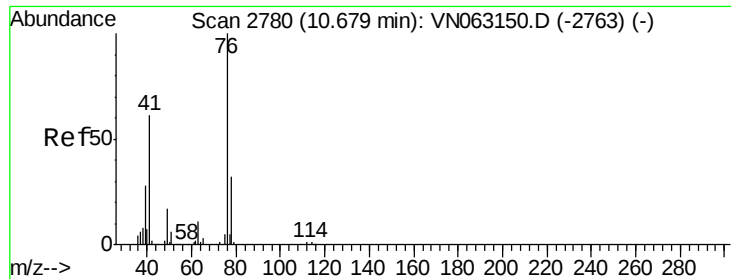
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#56
 Ethyl methacrylate
 Concen: 18.146 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion:	69	Resp:	141453
Ion	Ratio	Lower	Upper
69	100		
41	71.5	55.5	83.3
39	50.6	38.2	57.2





#57

1,3-Dichloropropane

Concen: 16.539 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 171943

Ion Ratio Lower Upper

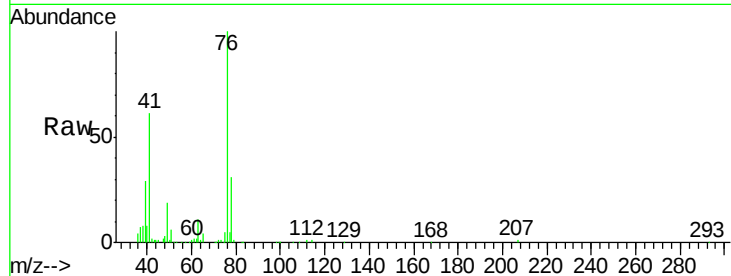
76 100

78 31.7 25.5 38.3

Manual Integrations
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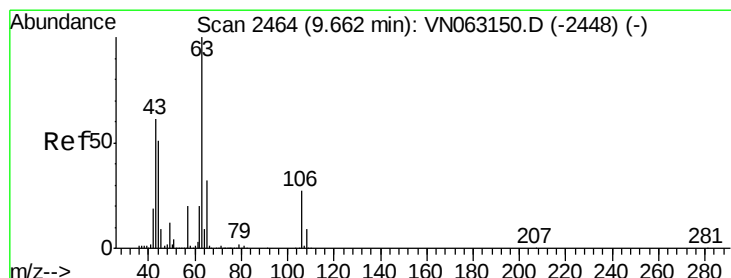
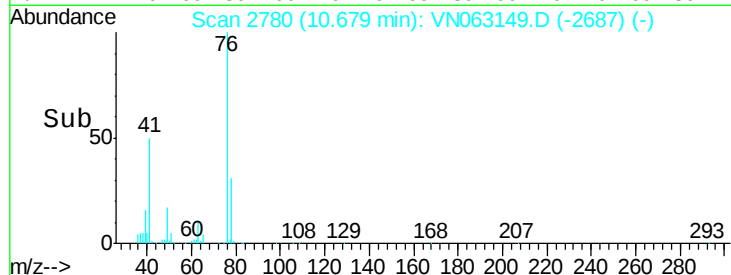
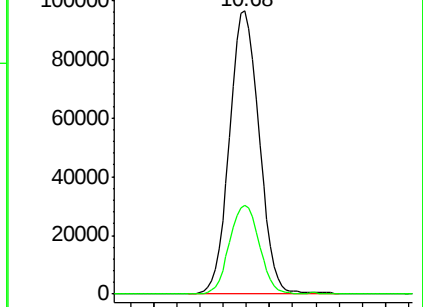
MMDadoda

9/1/2020 9:07:11 AM



Abundance Ion 75.90 (75.60 to 76.60): VN063149.D (-2687) (-)

Ion 77.90 (77.60 to 78.60): VN063149.D (-2687) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 106.159 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063149.D

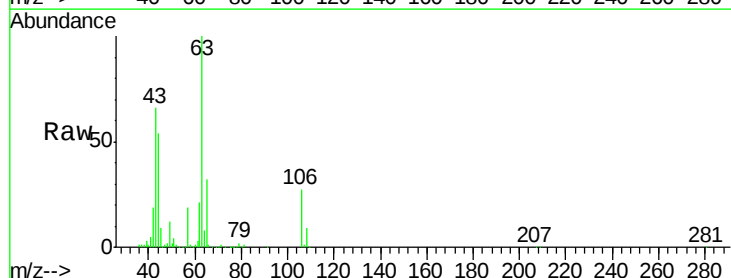
Acq: 31 Aug 2020 13:47

Tgt Ion: 63 Resp: 383642

Ion Ratio Lower Upper

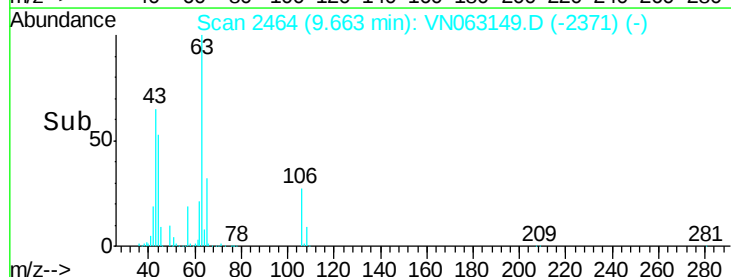
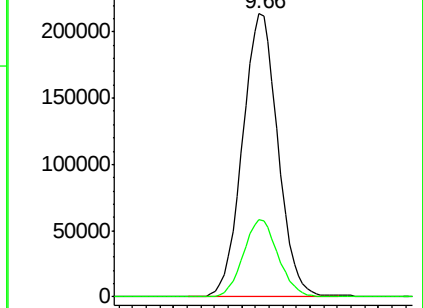
63 100

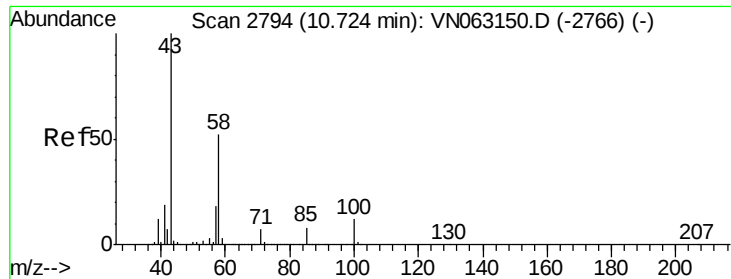
106 27.1 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VN063149.D (-2371) (-)

Ion 105.90 (105.60 to 106.60): VN063149.D (-2371) (-)





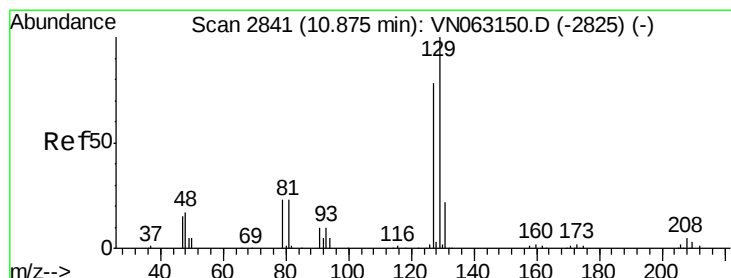
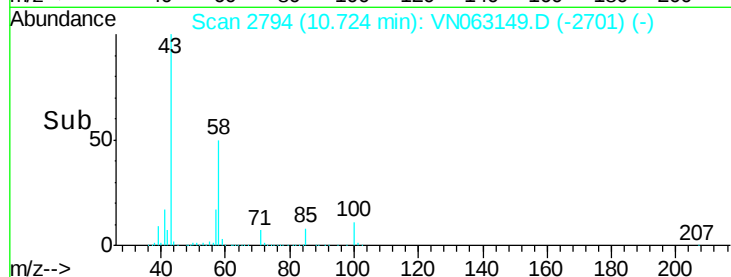
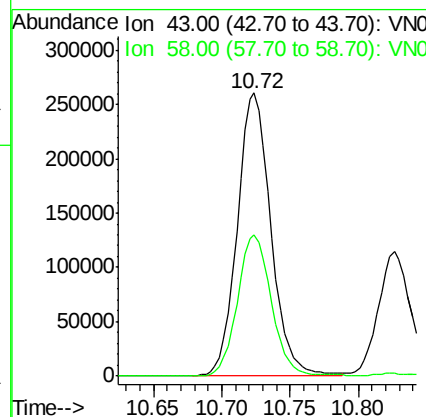
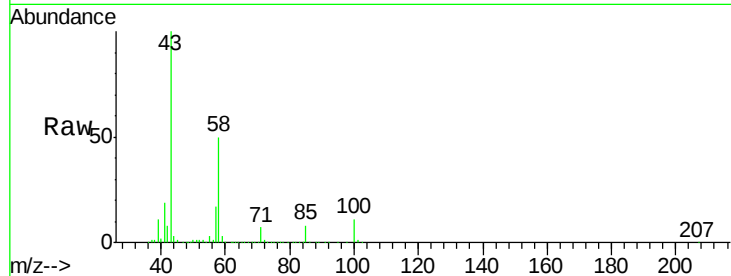
#59
2-Hexanone
Concen: 106.009 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	25.9	77.8

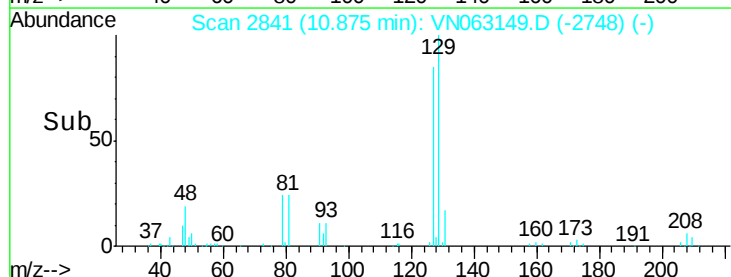
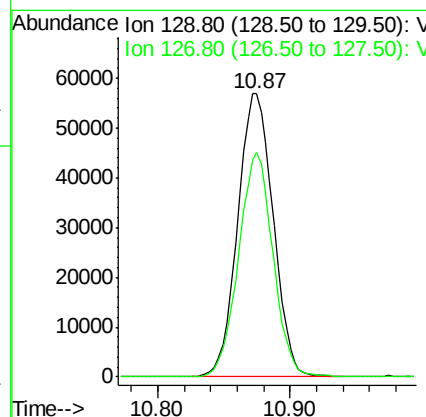
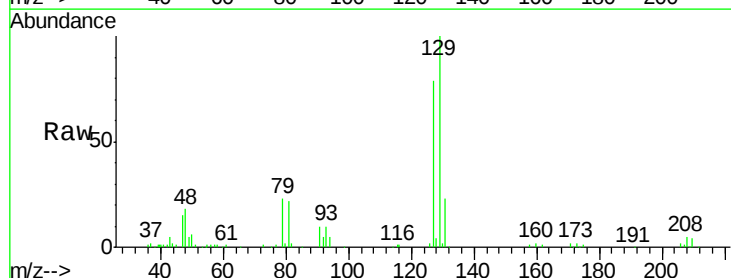
Manual Integrations
APPROVED

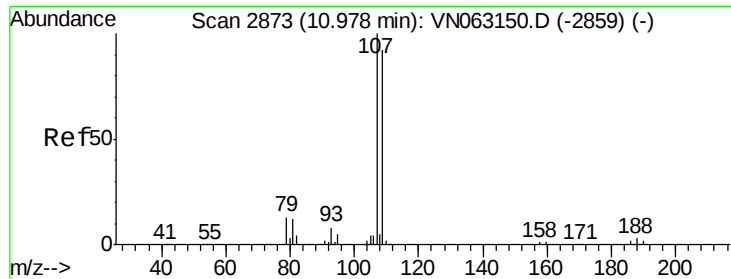
MMDadoda
9/1/2020 9:07:11 AM



#60
Dibromochloromethane
Concen: 14.819 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.0	117.0





#61

1,2-Dibromoethane

Concen: 16.051 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:107 Resp: 98692

Ion Ratio Lower Upper

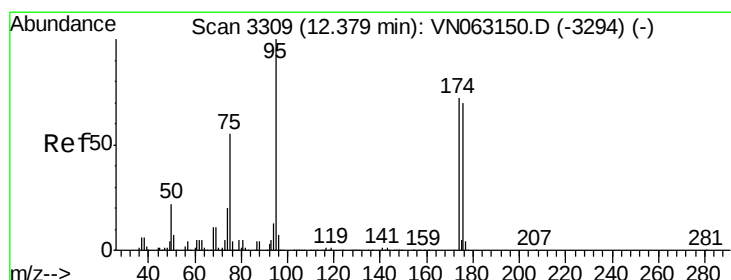
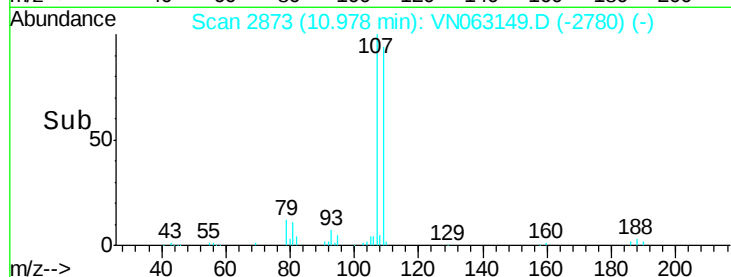
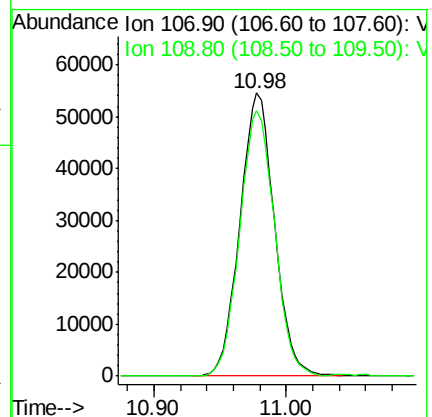
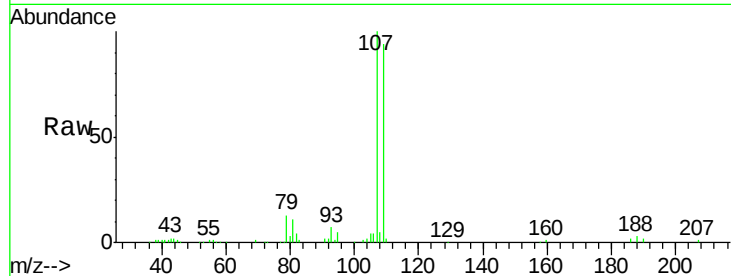
107 100

109 94.6 73.4 110.0

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:11 AM



#62

4-Bromofluorobenzene

Concen: 14.075 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

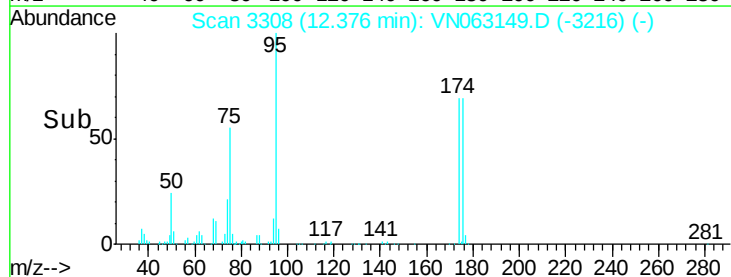
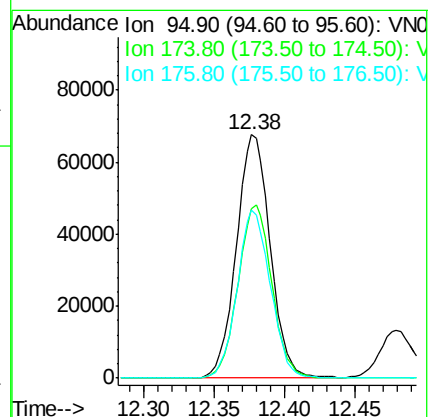
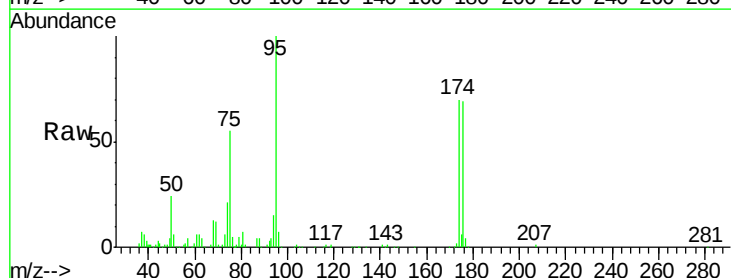
Tgt Ion: 95 Resp: 113795

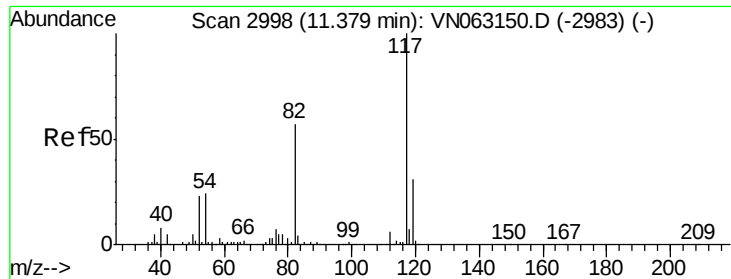
Ion Ratio Lower Upper

95 100

174 70.8 0.0 143.8

176 67.7 0.0 138.4





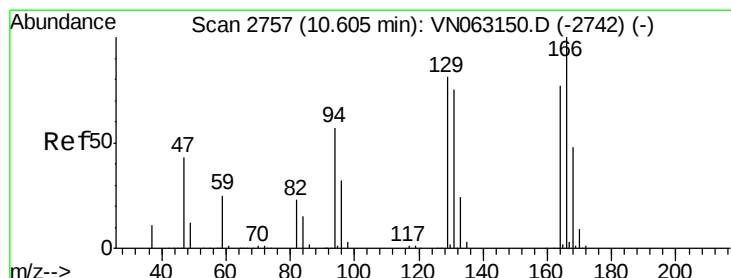
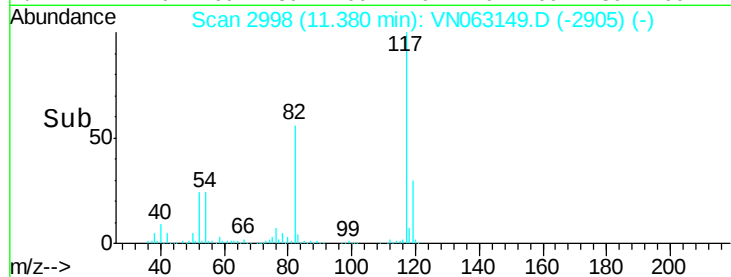
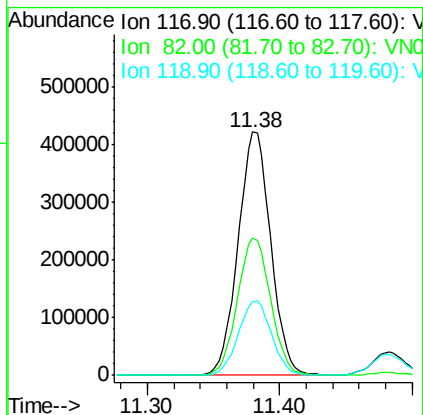
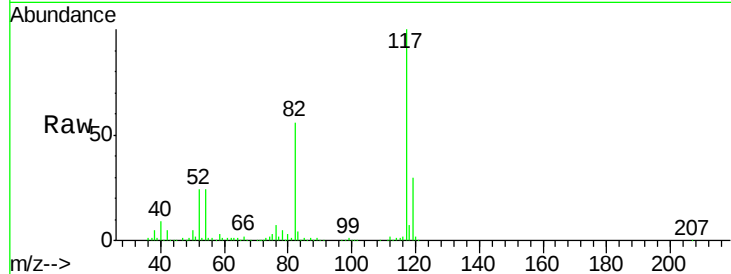
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.4	68.0
119	30.4	24.6	37.0

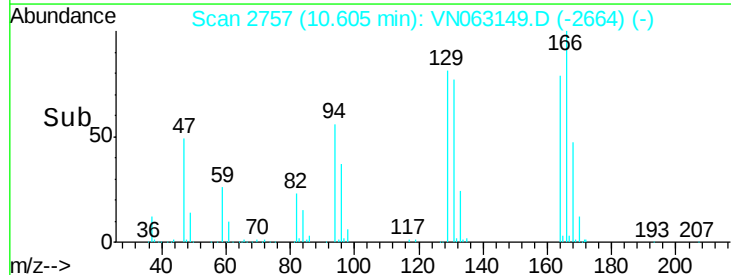
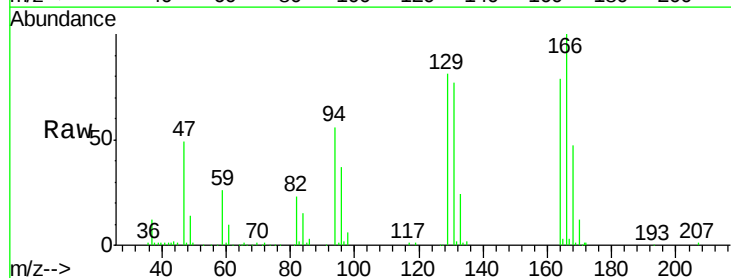
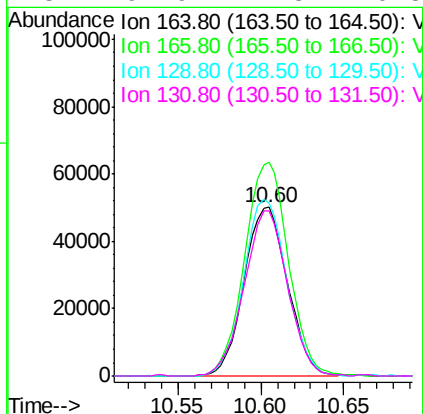
Manual Integrations
APPROVED

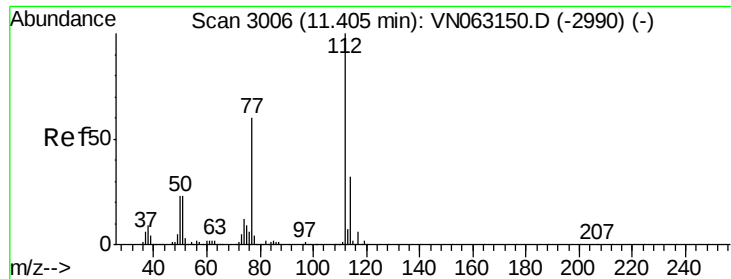
MMDadoda
9/1/2020 9:07:11 AM



#64
Tetrachloroethene
Concen: 14.470 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.4	155.2
129	102.3	83.4	125.0
131	97.9	77.8	116.8





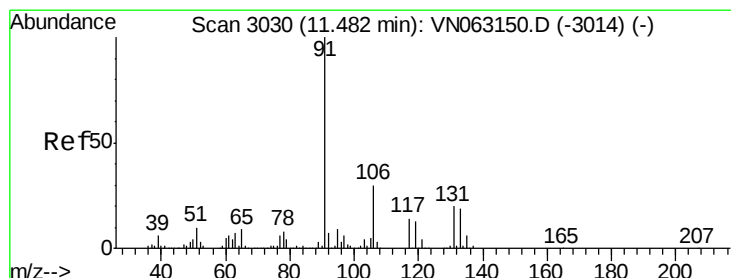
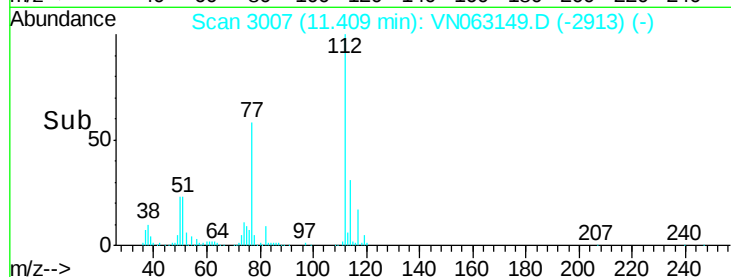
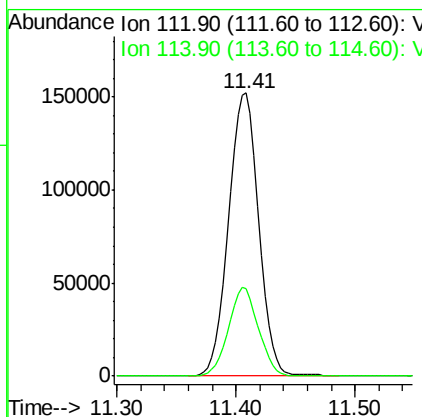
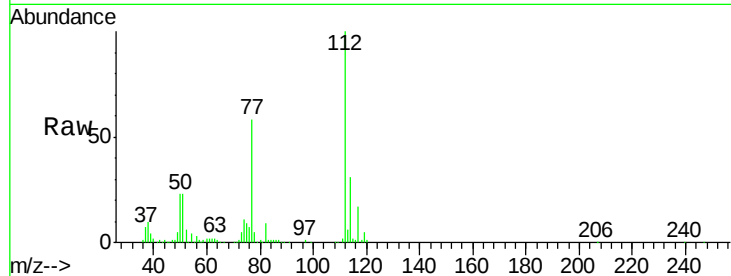
#65
Chlorobenzene
Concen: 14.985 ug/l
RT: 11.41 min Scan# 3007
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 266494
Ion Ratio Lower Upper
112 100
114 30.9 25.2 37.8

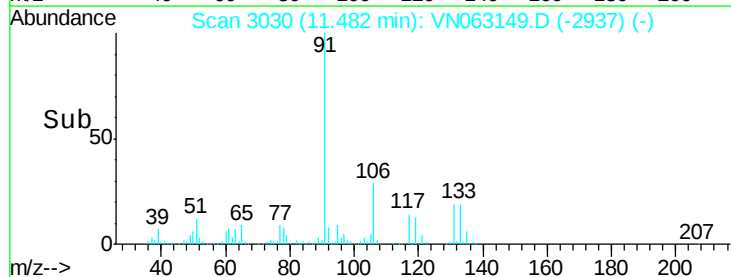
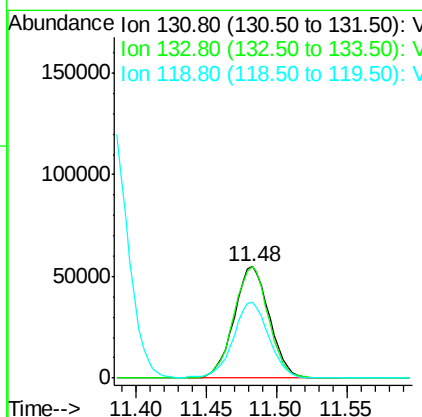
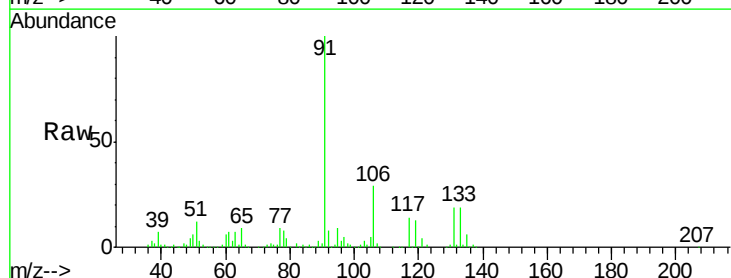
Manual Integrations
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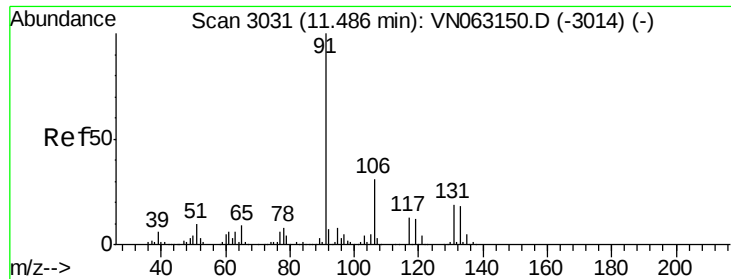
MMDadoda
9/1/2020 9:07:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 13.981 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion:131 Resp: 96480
Ion Ratio Lower Upper
131 100
133 97.9 47.3 142.0
119 68.7 32.4 97.0





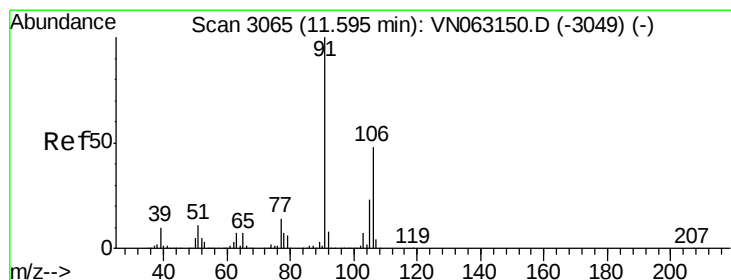
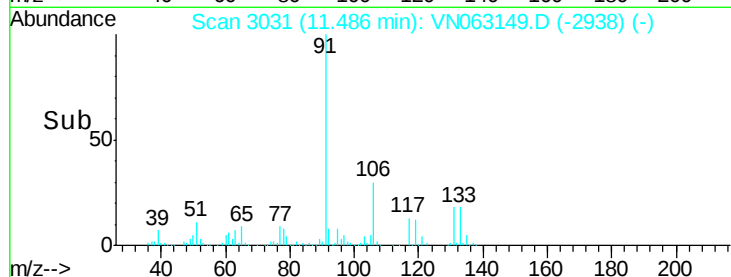
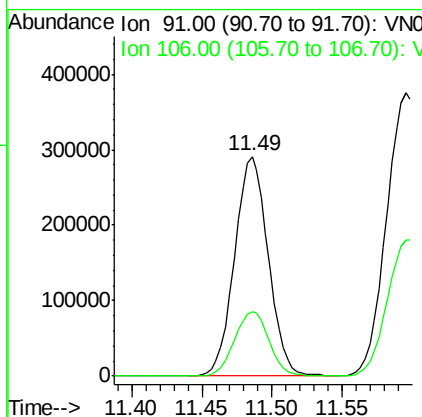
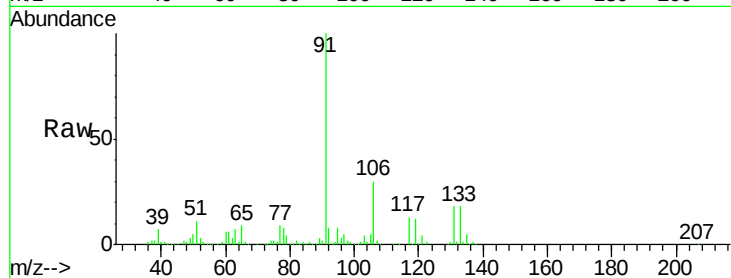
#67
Ethyl Benzene
Concen: 16.732 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.6	24.4	36.6	

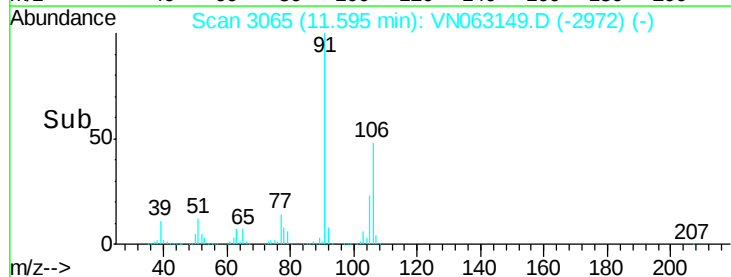
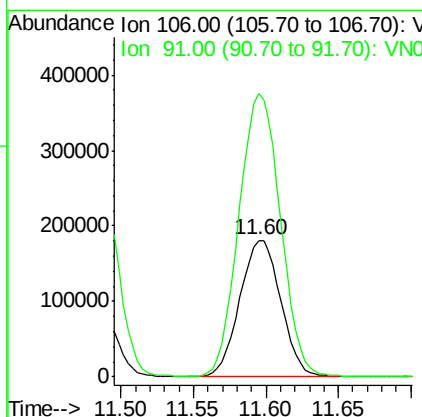
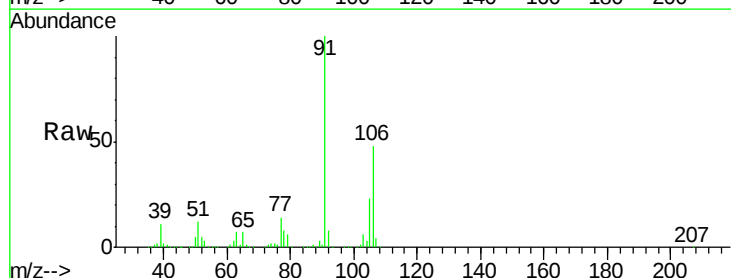
Manual Integrations
APPROVED

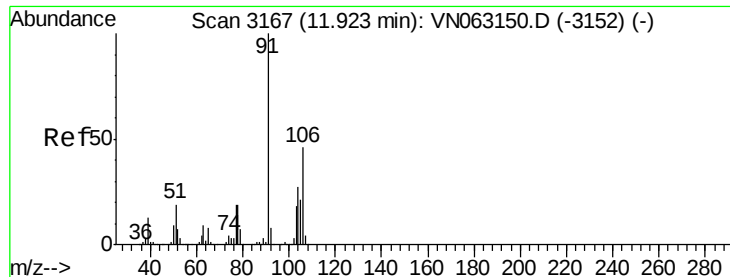
MMDadoda
9/1/2020 9:07:11 AM



#68
m/p-Xylenes
Concen: 32.495 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.2	166.7	250.1	





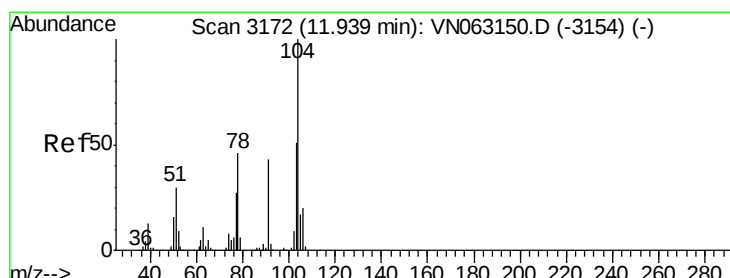
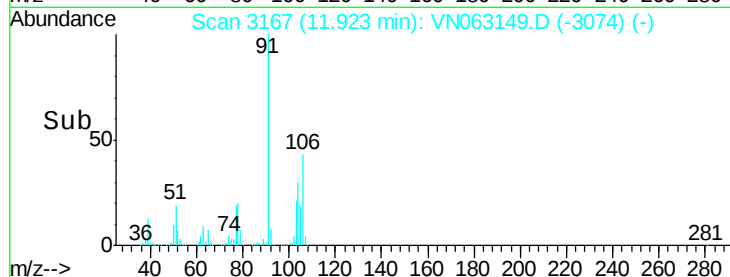
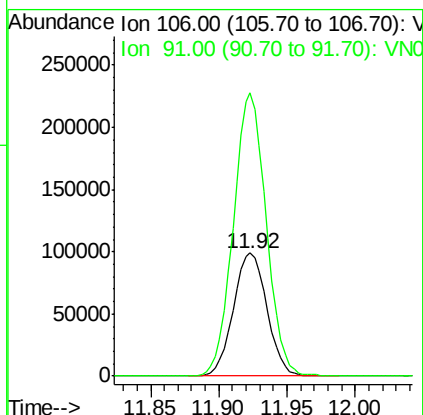
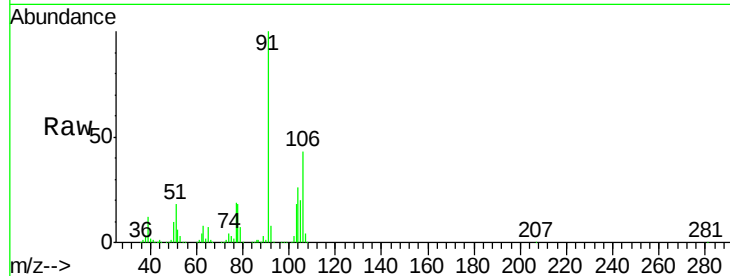
#69
o-Xylene
Concen: 16.052 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	224.4	108.6	325.6

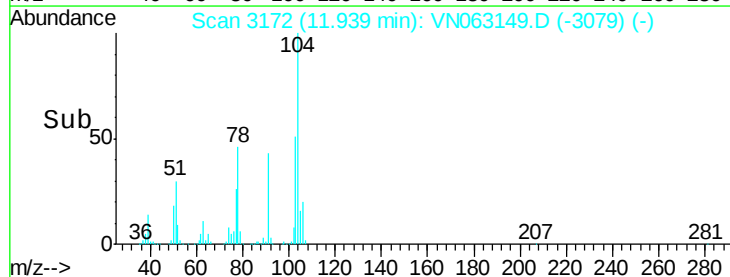
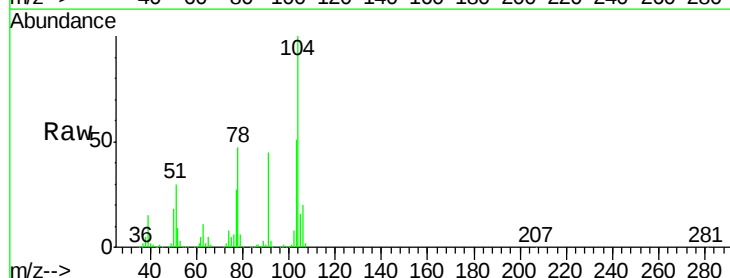
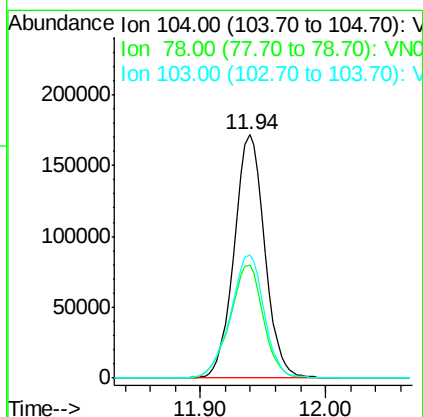
Manual Integrations
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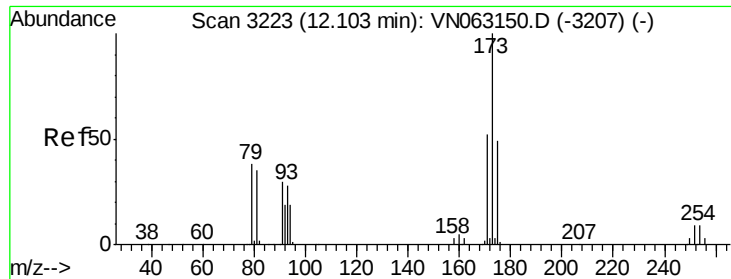
MMDadoda
9/1/2020 9:07:11 AM



#70
Styrene
Concen: 16.999 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.0	41.0	61.6
103	103	55.6	43.8	65.8





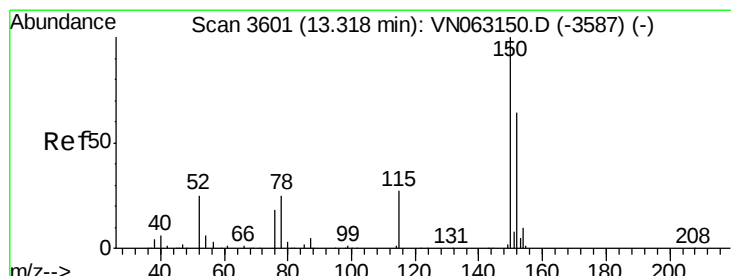
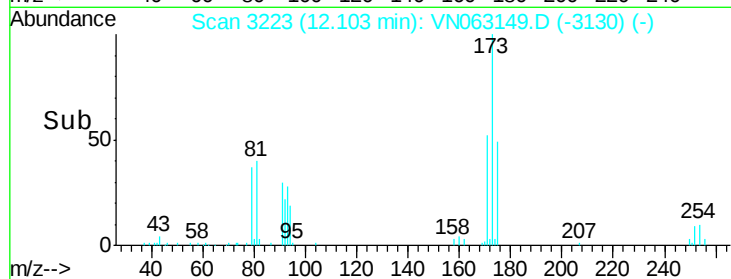
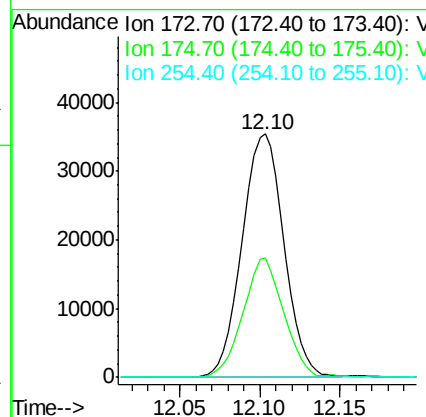
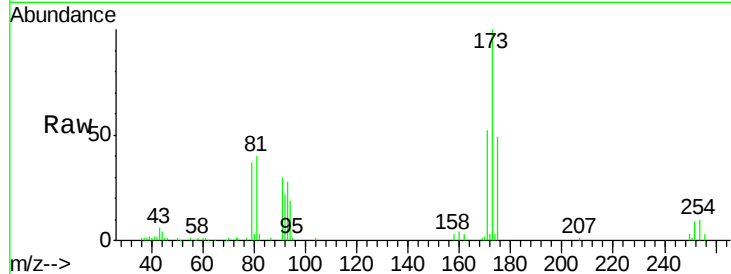
#71
Bromoform
Concen: 13.048 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.8
254	0.0	0.0	0.0

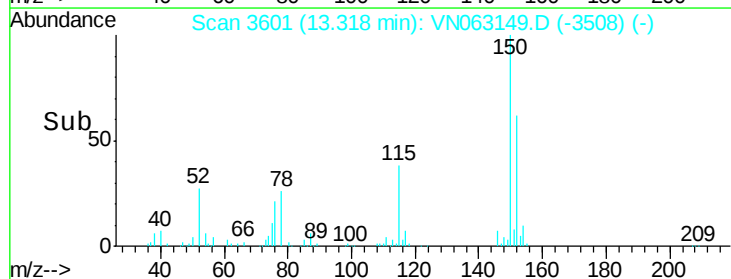
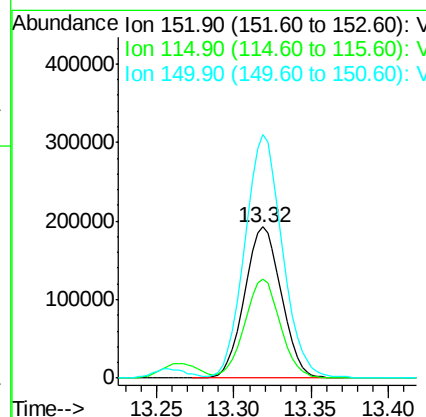
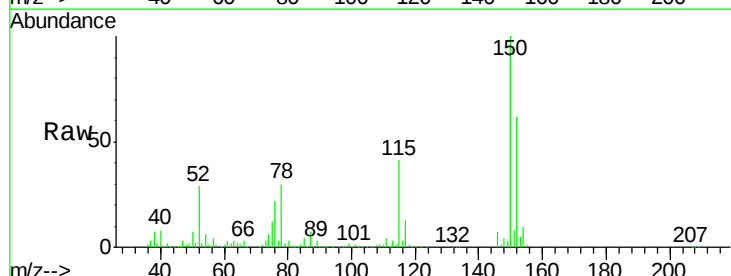
Manual Integrations
APPROVED

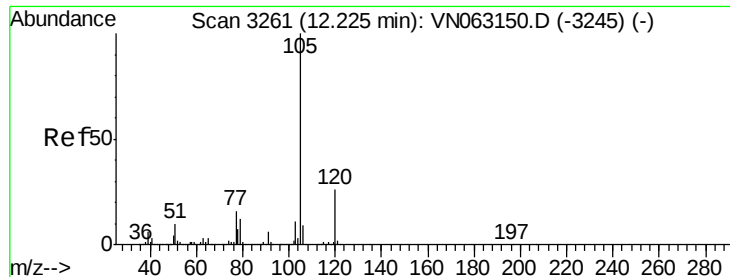
MMDadoda
9/1/2020 9:07:11 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	32.0	96.2
150	163.6	0.0	353.0





#73

Isopropylbenzene

Concen: 18.614 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 459244

Ion Ratio Lower Upper

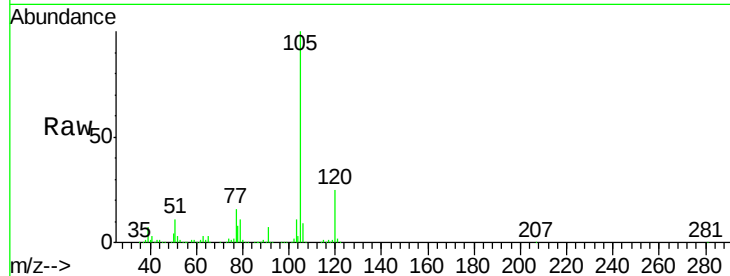
105 100

120 26.0 12.9 38.6

Manual Integrations
APPROVED

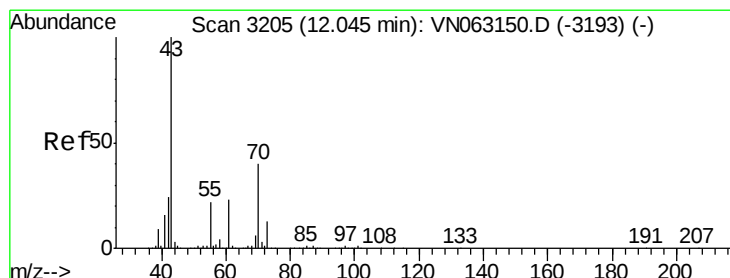
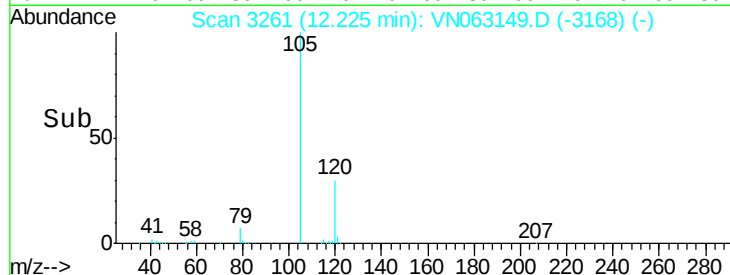
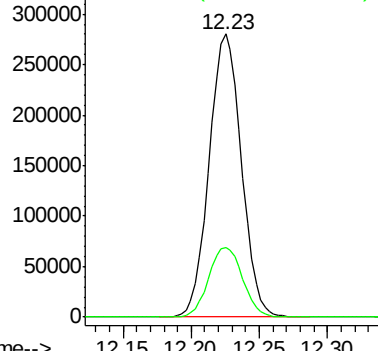
MMDadoda

9/1/2020 9:07:11 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.519 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tgt Ion: 43 Resp: 188505

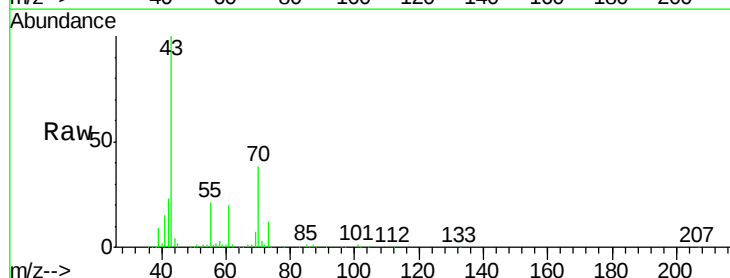
Ion Ratio Lower Upper

43 100

70 38.4 32.1 48.1

55 22.8 17.4 26.0

61 21.9 18.6 27.8

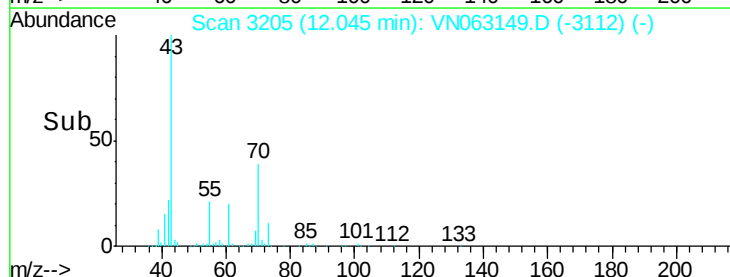
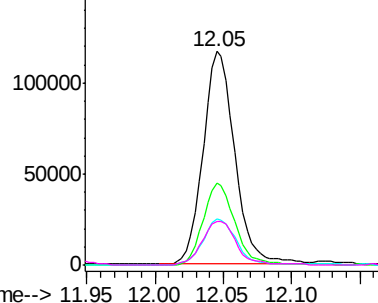


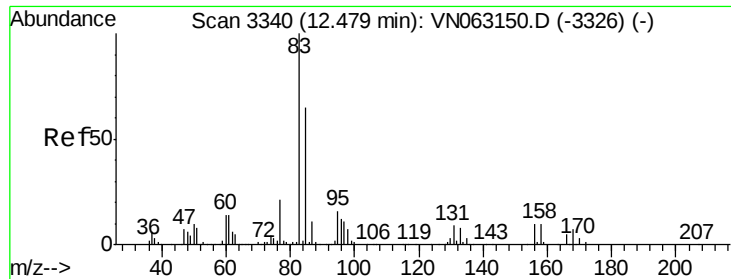
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.953 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 126223
Ion Ratio Lower Upper

83 100

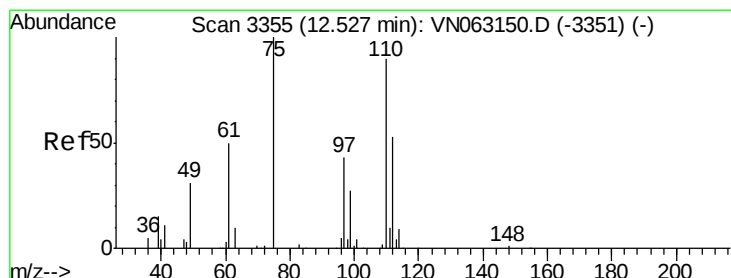
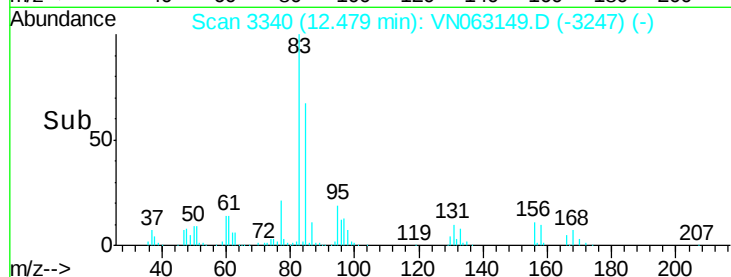
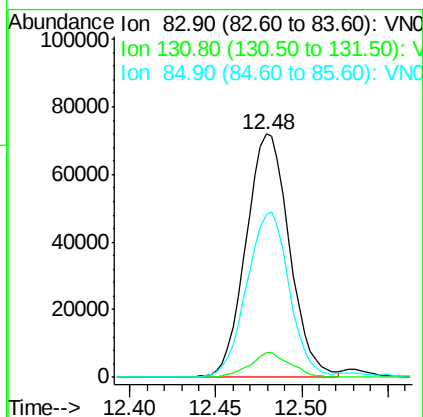
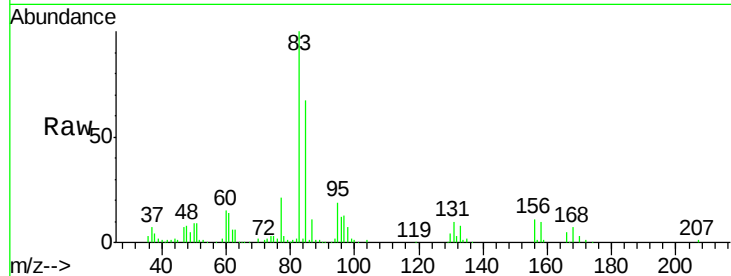
131 9.4 4.7 14.0

85 66.2 32.7 98.1

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#76

1,2,3-Trichloropropane

Concen: 18.320 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

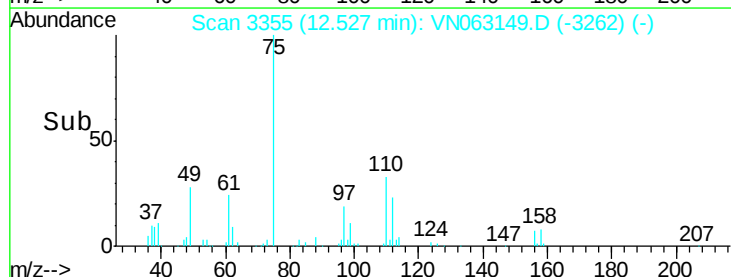
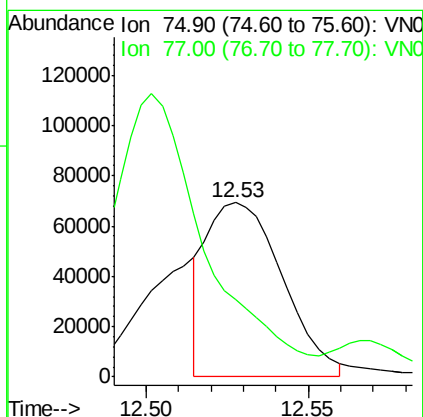
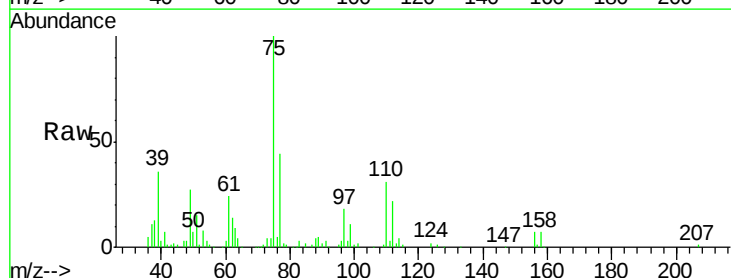
Lab File: VN063149.D

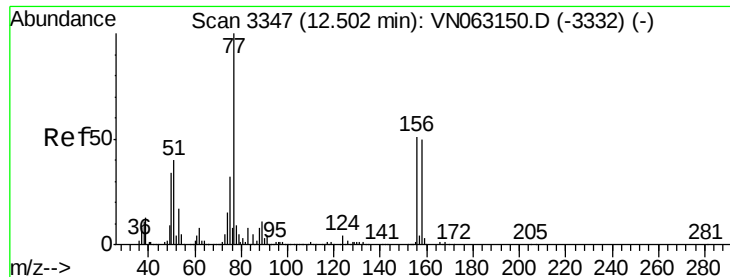
Acq: 31 Aug 2020 13:47

Tgt Ion: 75 Resp: 113259
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 15.476 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

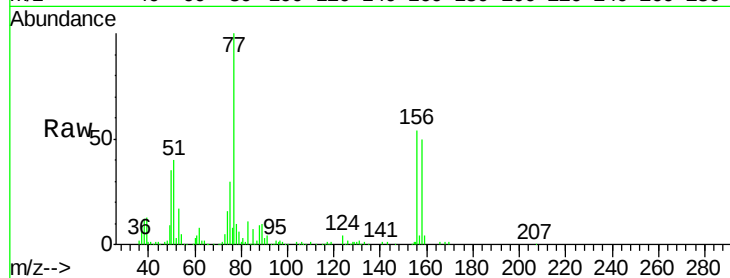
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.7	116.1	348.3
158	94.4	48.8	146.4

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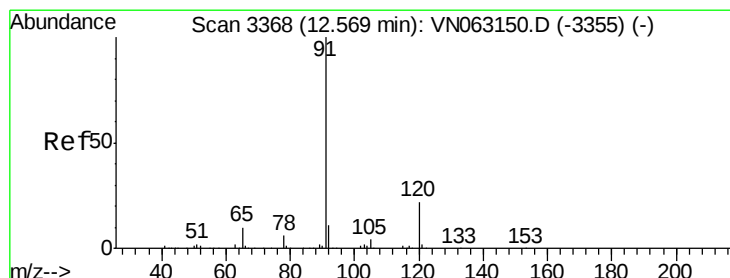
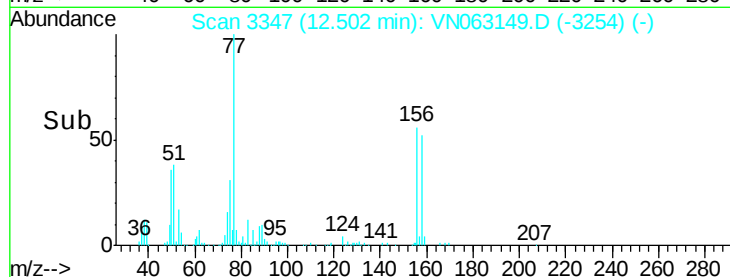
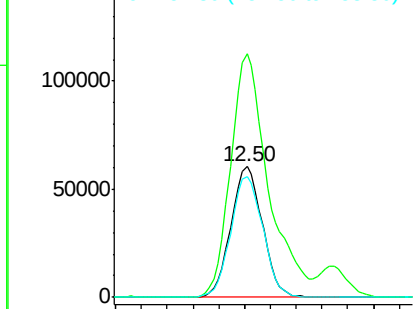
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.298 ug/l

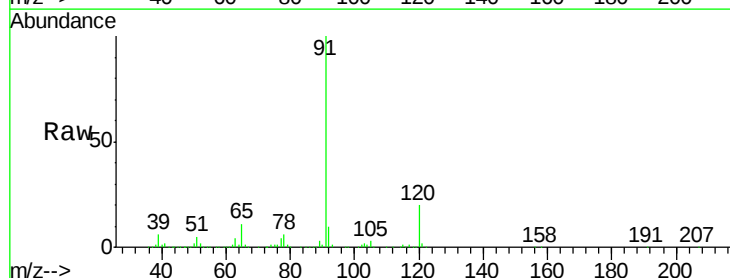
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063149.D

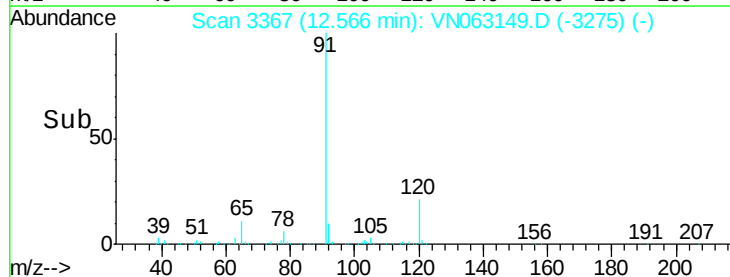
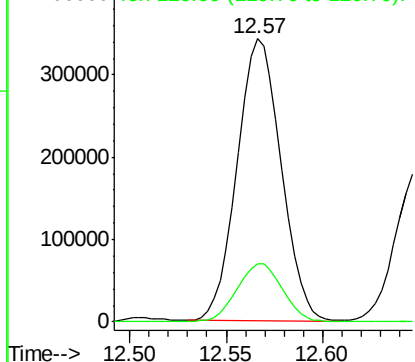
Acq: 31 Aug 2020 13:47

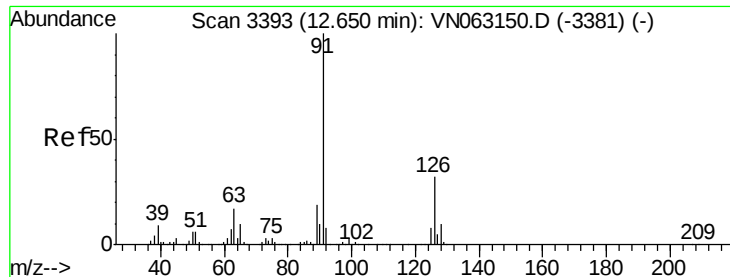
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





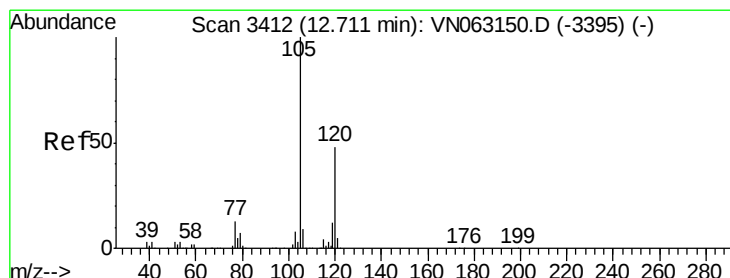
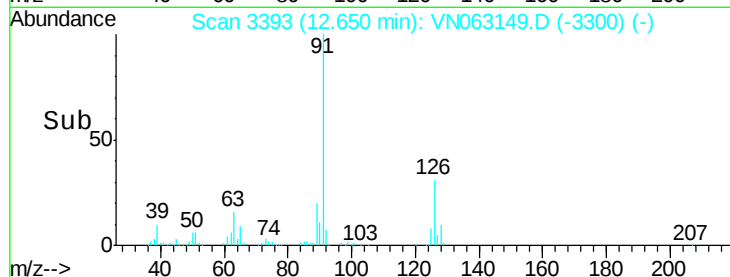
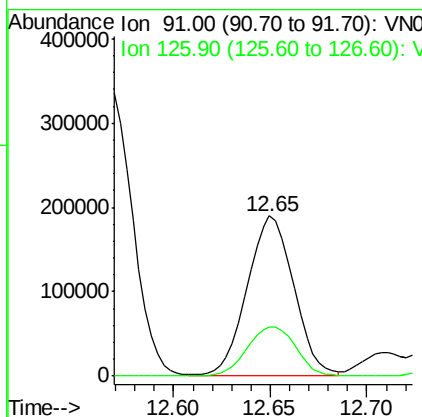
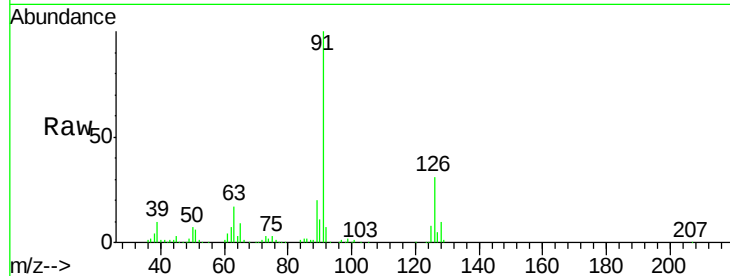
#79
 2-Chlorotoluene
 Concen: 18.339 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

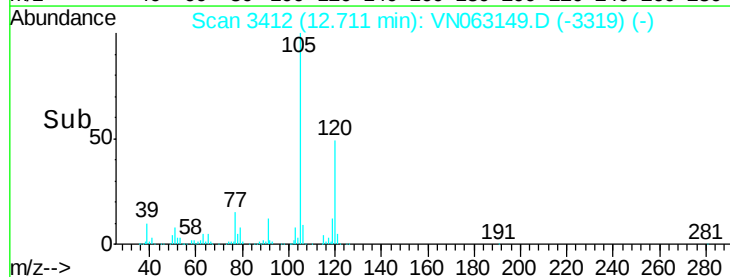
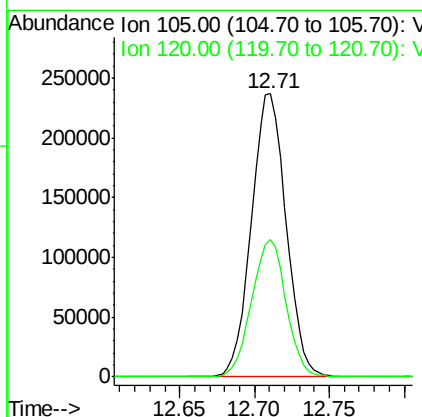
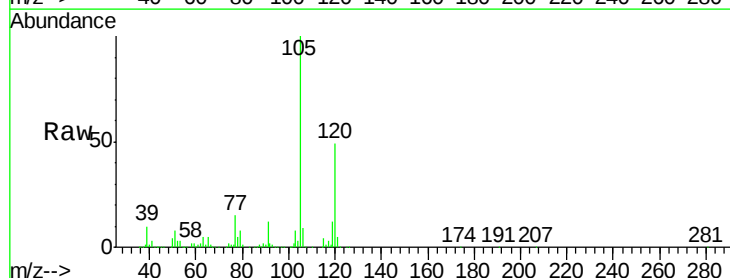
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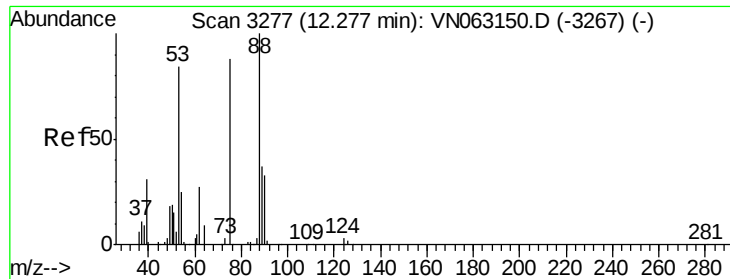
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.296 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.2	72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 22.551 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

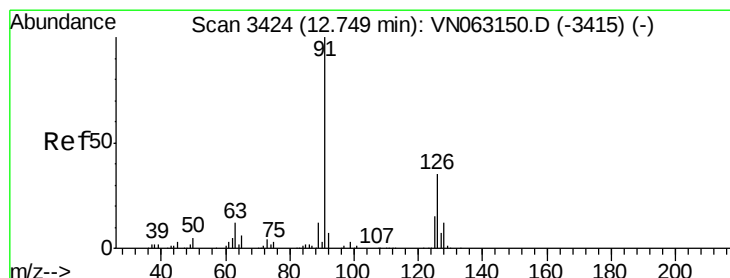
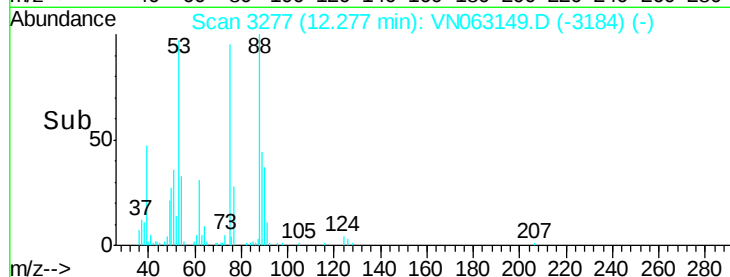
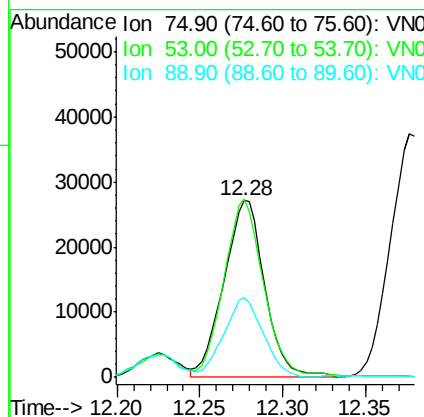
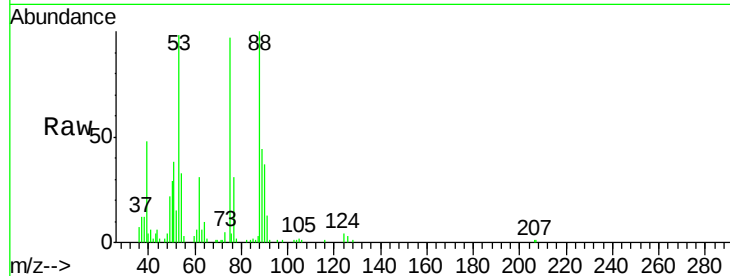
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	46592
Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.7	118.1
89	43.4	35.3	52.9

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#82

4-Chlorotoluene

Concen: 19.098 ug/l

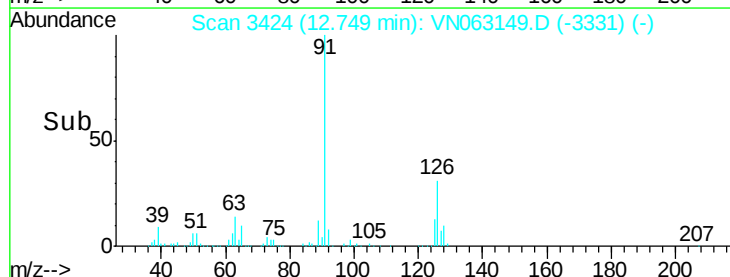
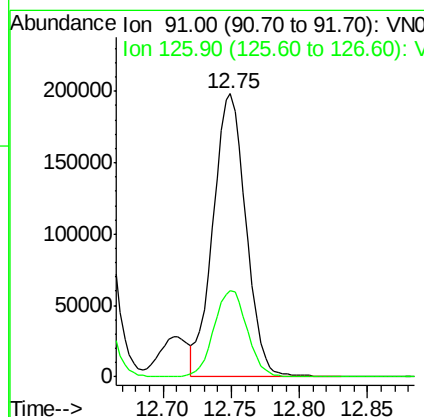
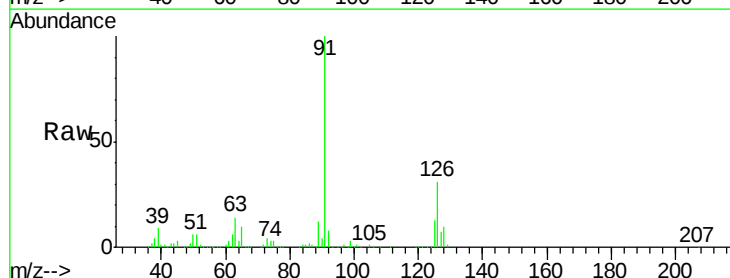
RT: 12.75 min Scan# 3424

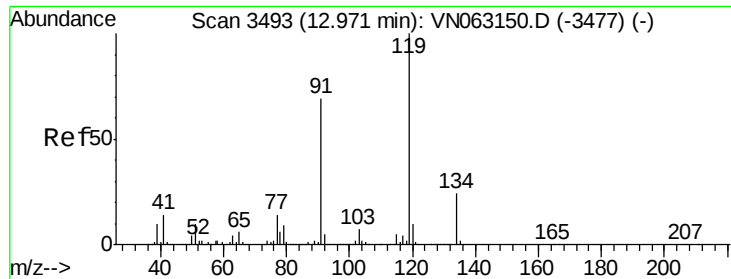
Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tgt Ion:	91	Resp:	330797
Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.2	48.5





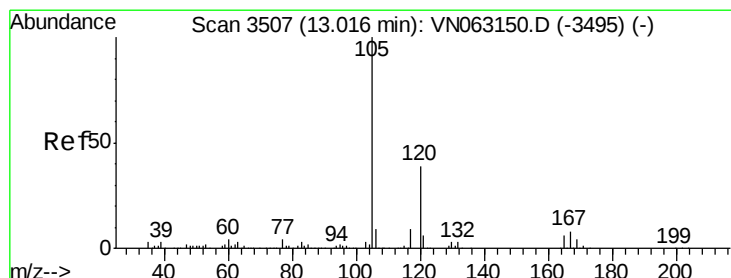
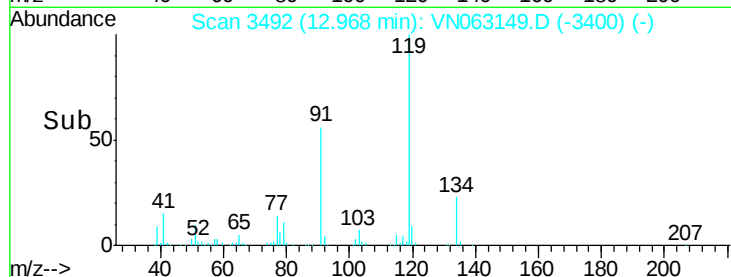
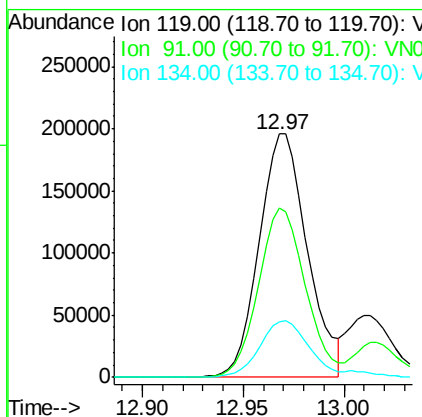
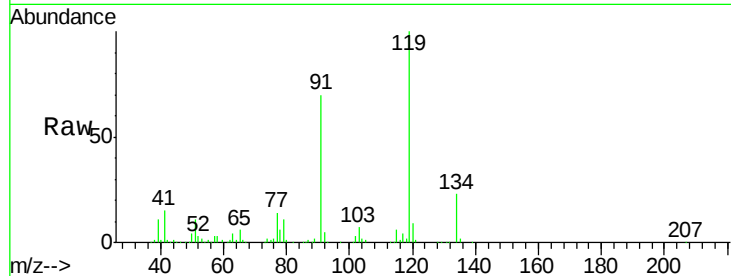
#83
tert-Butylbenzene
Concen: 18.858 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.7	101.0
134	25.3	12.0	36.0

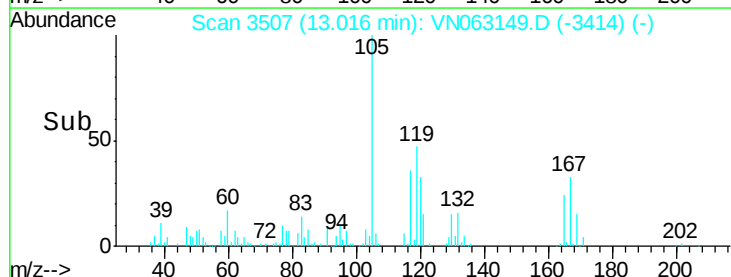
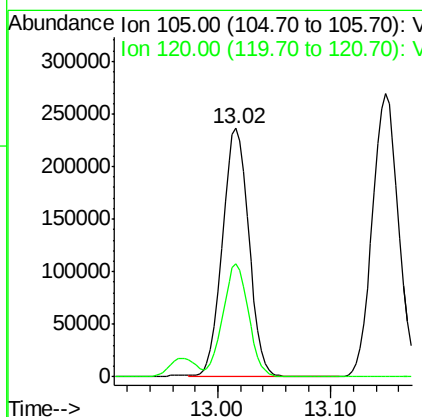
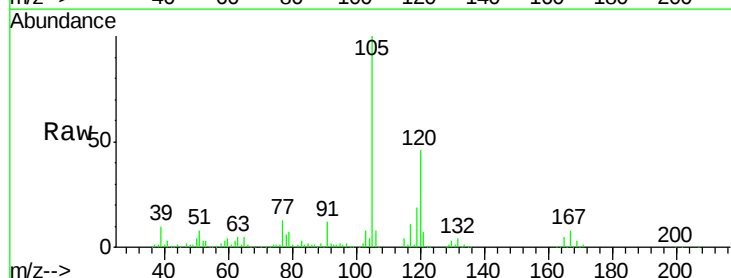
Manual Integrations
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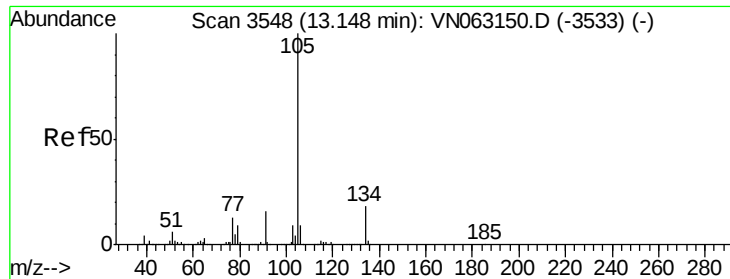
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#84
1,2,4-Trimethylbenzene
Concen: 19.183 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.7





#85

sec-Butylbenzene

Concen: 18.827 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 430965

Ion Ratio Lower Upper

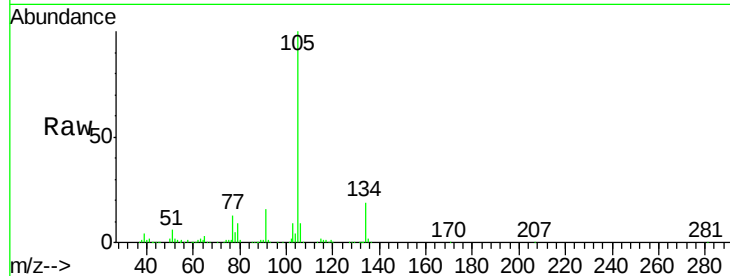
105 100

134 18.7 9.4 28.3

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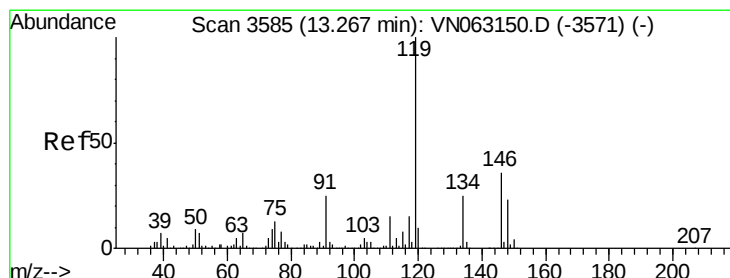
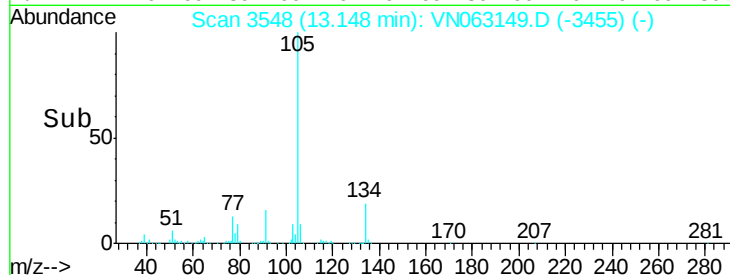
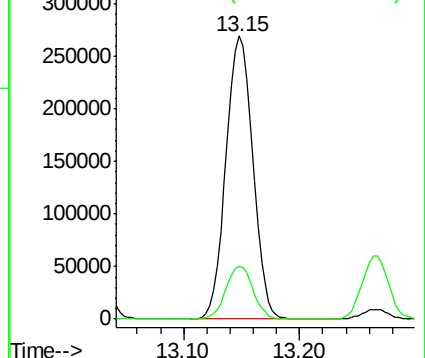
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.476 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

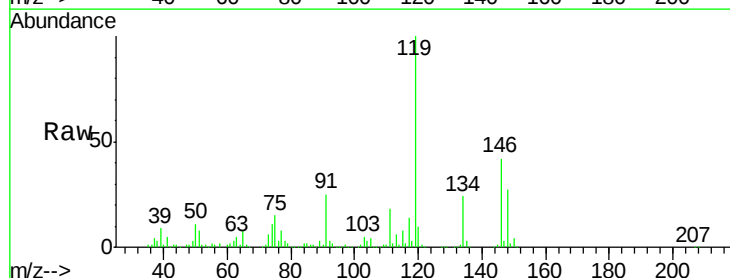
Tgt Ion:119 Resp: 382372

Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.4

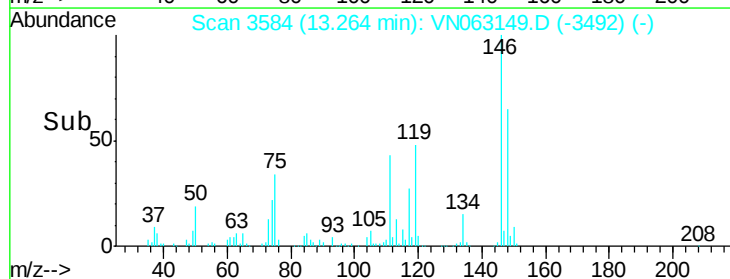
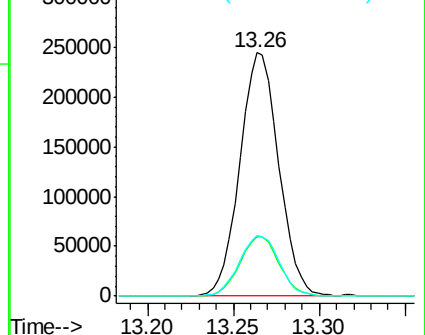
91 25.7 12.2 36.6

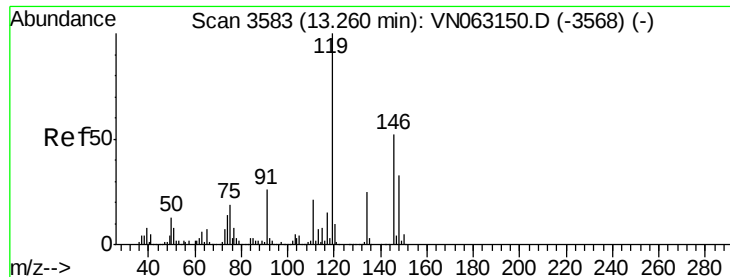


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 15.905 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Instrument :

MSVOA_N

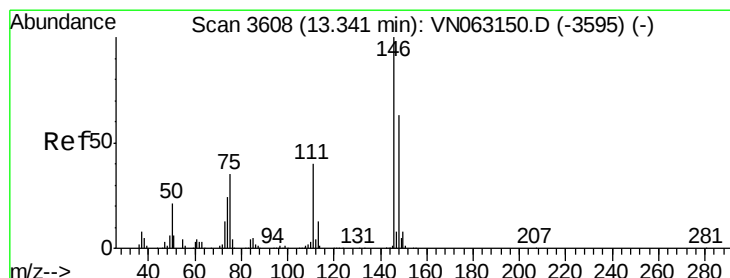
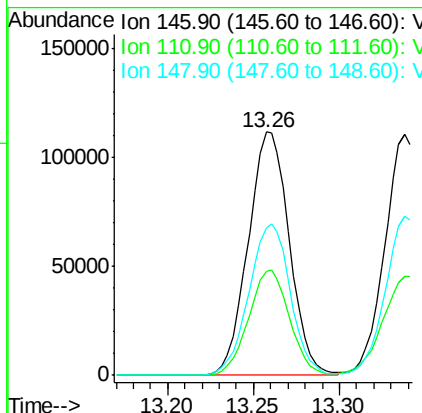
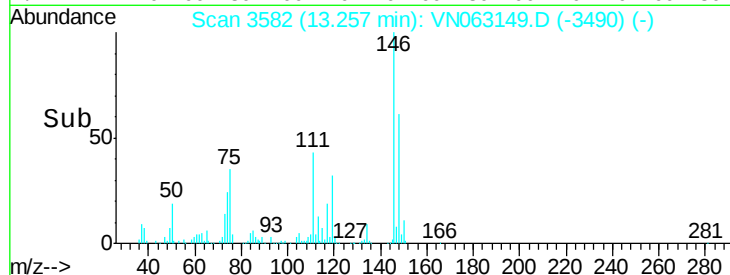
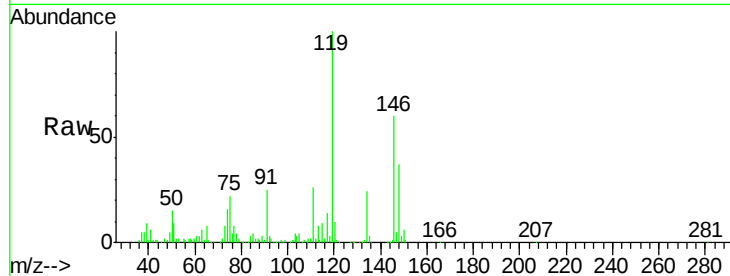
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	184996
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.3	63.7
148	62.7	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 15.951 ug/l

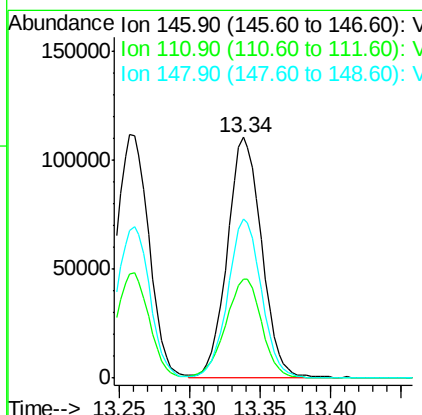
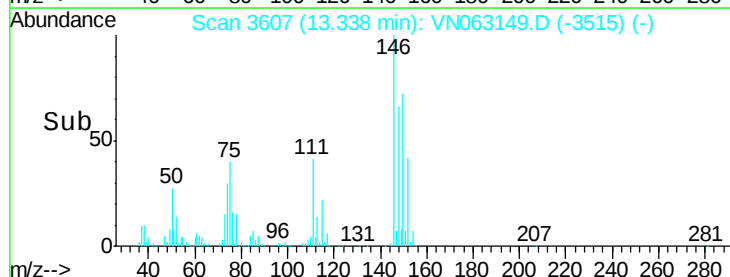
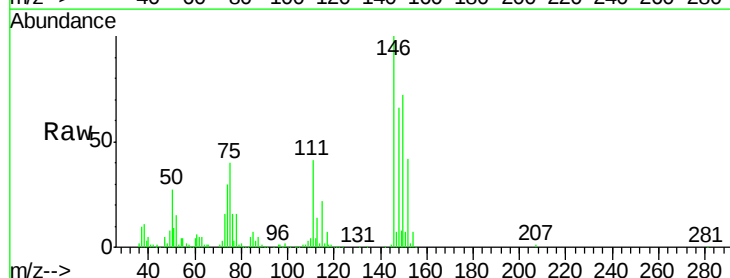
RT: 13.34 min Scan# 3607

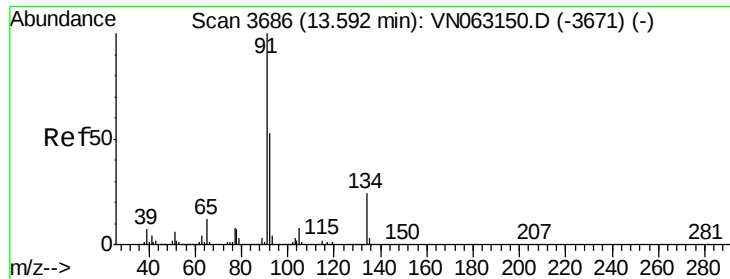
Delta R.T. -0.00 min

Lab File: VN063149.D

Acq: 31 Aug 2020 13:47

Tgt Ion:	146	Resp:	187332
Ion Ratio	Lower	Upper	
146	100		
111	43.3	20.5	61.5
148	65.1	31.9	95.7





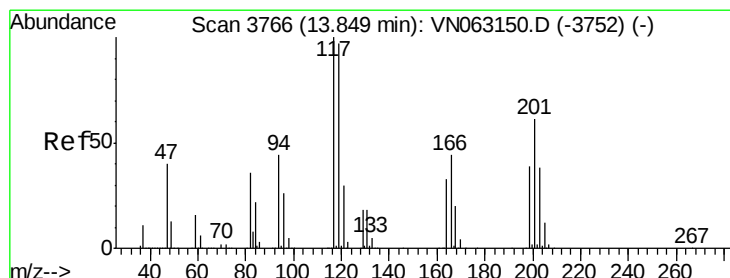
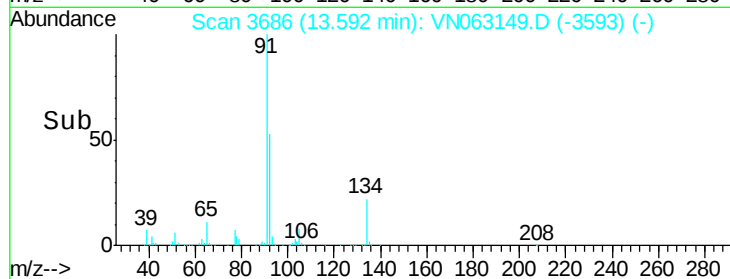
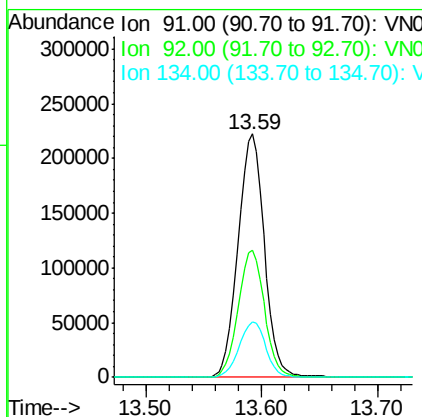
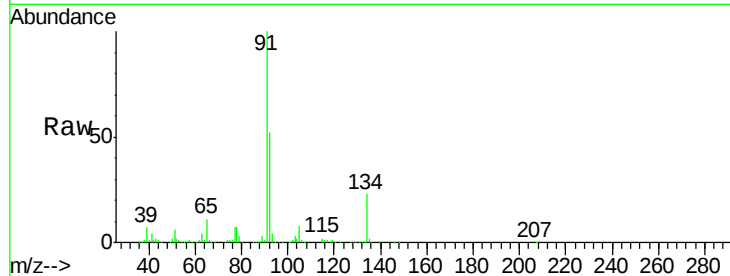
#89
n-Butylbenzene
Concen: 21.130 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	23.3	12.0	36.0

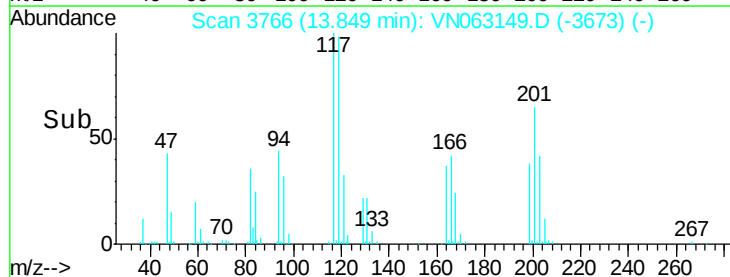
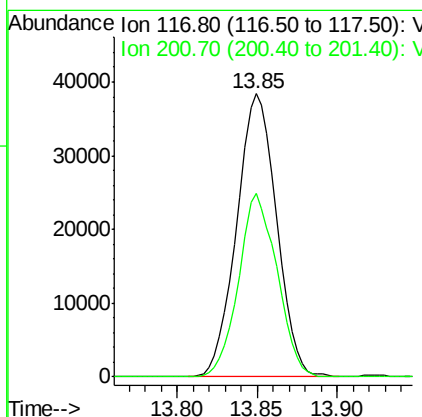
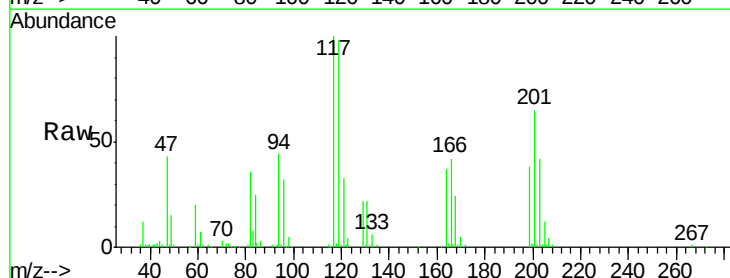
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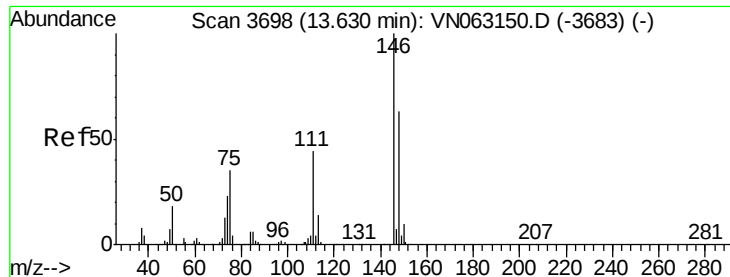
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#90
Hexachloroethane
Concen: 14.953 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.3	30.6	92.0





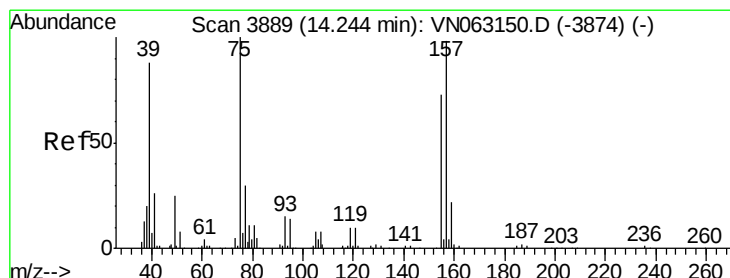
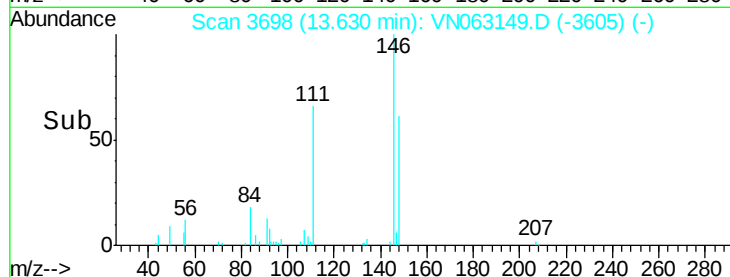
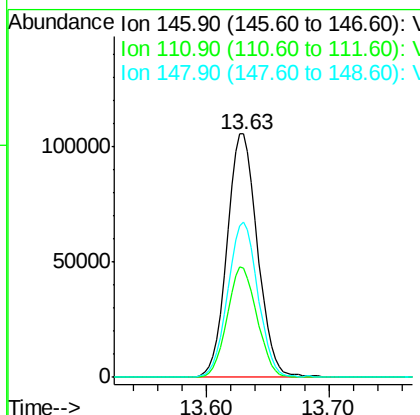
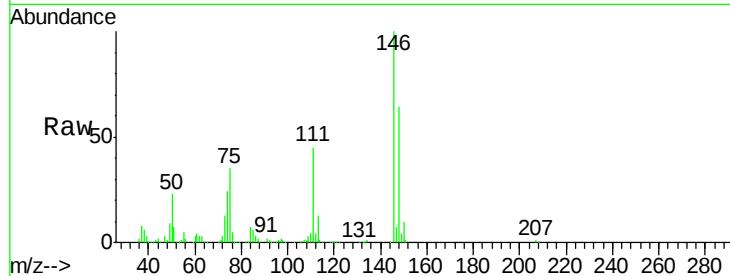
#91
 1,2-Dichlorobenzene
 Concen: 16.100 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	184252		
111	44.2	22.0	66.0	
148	62.9	31.6	95.0	

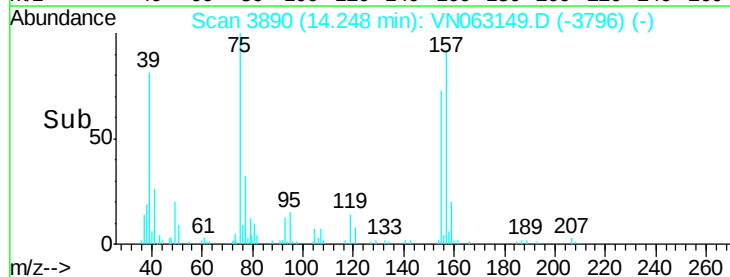
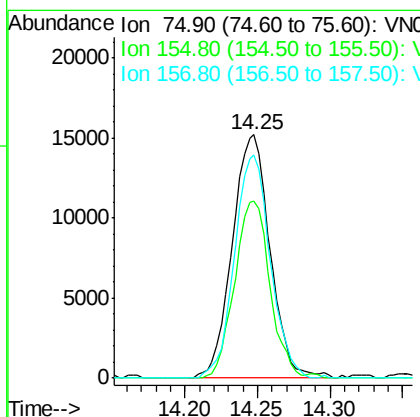
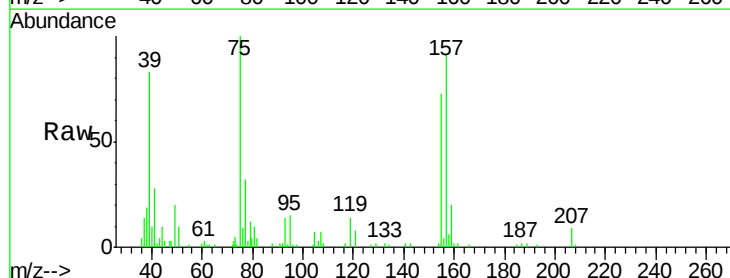
Manual Integrations
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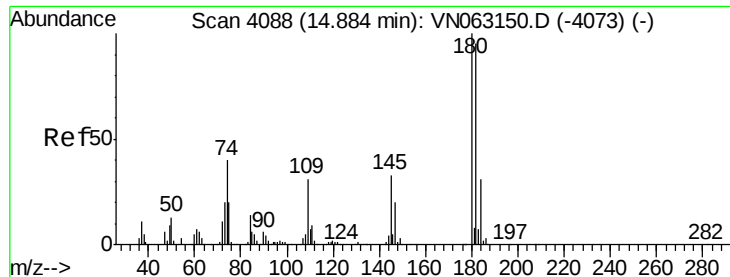
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.347 ug/l
 RT: 14.25 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27429		
155	68.0	36.1	108.5	
157	87.0	48.4	145.0	





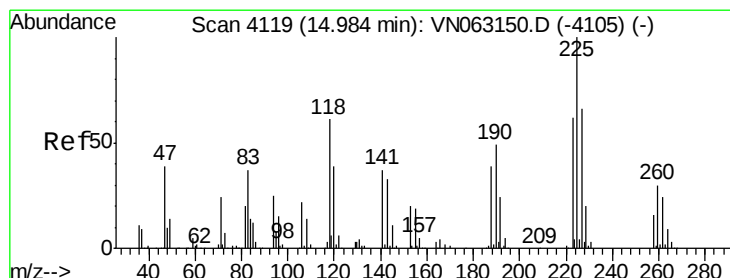
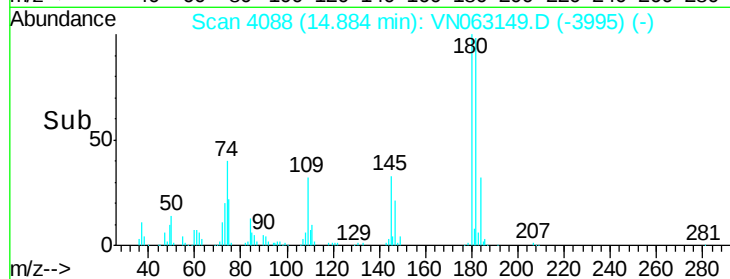
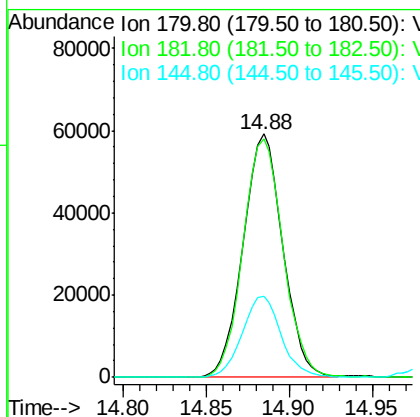
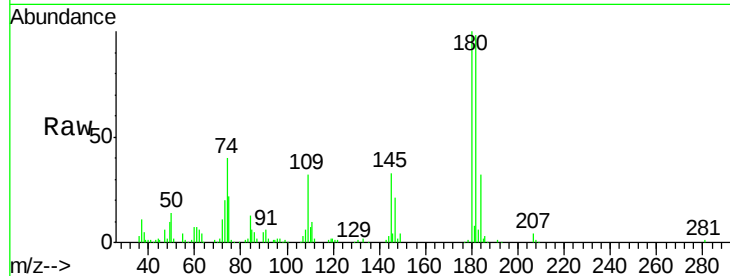
#93
 1,2,4-Trichlorobenzene
 Concen: 18.572 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.1	47.5	142.5	
145	32.7	16.6	49.8	

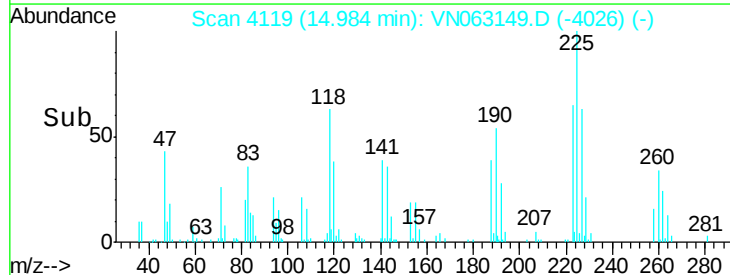
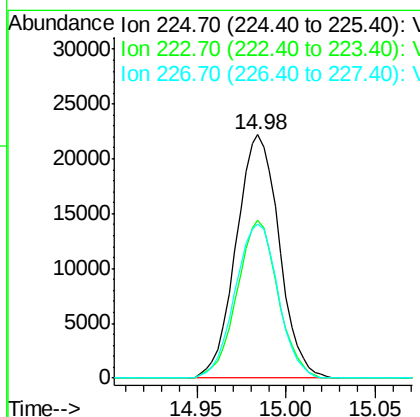
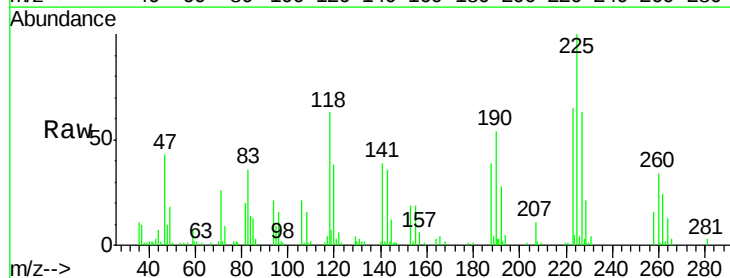
Manual Integrations
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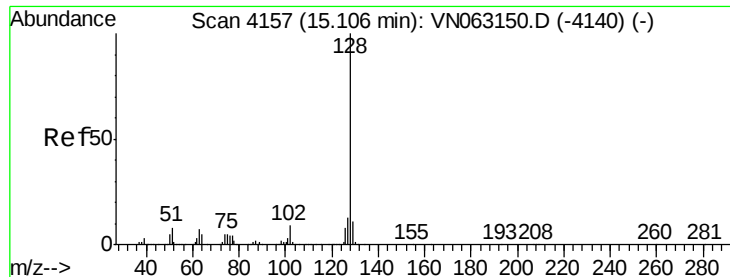
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#94
 Hexachlorobutadiene
 Concen: 10.427 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063149.D
 Acq: 31 Aug 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	30.9	92.7	
227	63.1	32.9	98.7	





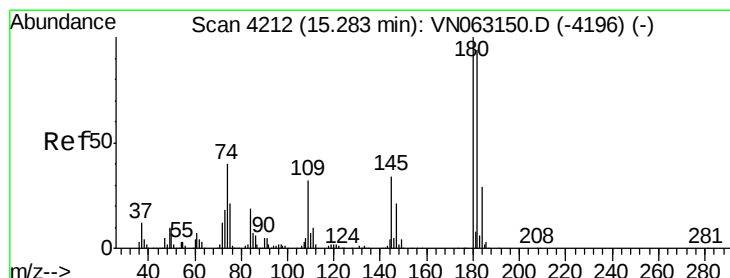
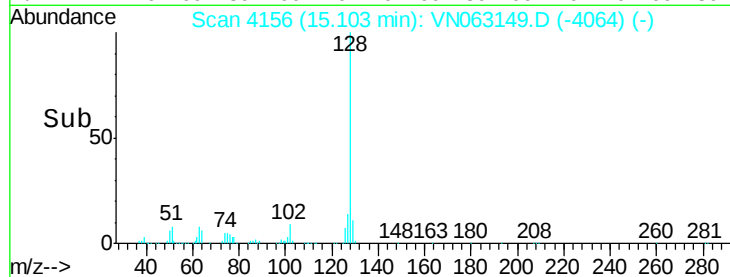
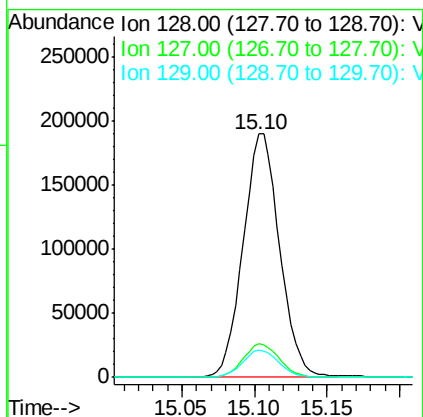
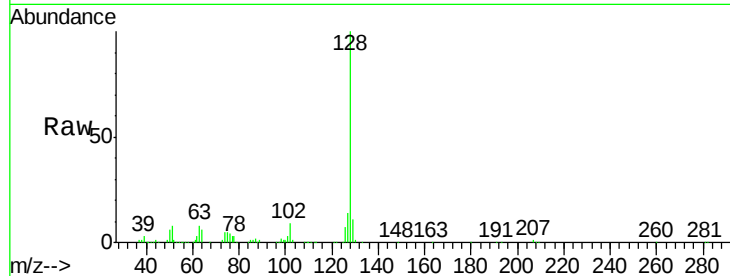
#95
Naphthalene
Concen: 25.790 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:	128	Resp:	333163
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	11.3	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.533 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063149.D
Acq: 31 Aug 2020 13:47

Tgt Ion:	180	Resp:	96161
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.5	142.5
145	33.8	17.3	52.0

