

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081820\
 Data File : VN062998.D
 Acq On : 18 Aug 2020 20:42
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:46:19 PM

Quant Time: Aug 19 06:02:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	284783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	277219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148366	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	334473	149.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.96%	
35) Dibromofluoromethane	7.55	113	276386	148.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.88%	
50) Toluene-d8	10.06	98	1092559	153.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.58%	
62) 4-Bromofluorobenzene	12.38	95	421913	167.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	335.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	362594	162.203	ug/l	99
3) Chloromethane	2.03	50	410730	158.667	ug/l	99
4) Vinyl Chloride	2.16	62	387742	154.884	ug/l	99
5) Bromomethane	2.49	94	227985	153.431	ug/l	98
6) Chloroethane	2.64	64	225057	152.265	ug/l	100
7) Trichlorofluoromethane	2.97	101	463099	148.336	ug/l	99
8) Diethyl Ether	3.37	74	160805	145.599	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	227933	135.491	ug/l	100
10) Methyl Iodide	3.90	142	341230	160.027	ug/l	99
11) Tert butyl alcohol	4.75	59	229410	723.823	ug/l	100
12) 1,1-Dichloroethene	3.69	96	223822	139.665	ug/l	98
13) Acrolein	3.56	56	52637	530.134	ug/l	97
14) Allyl chloride	4.27	41	413941	146.496	ug/l	98
15) Acrylonitrile	4.93	53	710185	762.366	ug/l	100
16) Acetone	3.78	43	504040	661.506	ug/l	99
17) Carbon Disulfide	4.00	76	629070	149.887	ug/l	98
18) Methyl Acetate	4.28	43	307909	138.471	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	866916	155.116	ug/l	100
20) Methylene Chloride	4.50	84	284793	113.357	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	245711	146.509	ug/l	97
22) Diisopropyl ether	5.90	45	966735	150.768	ug/l	98
23) Vinyl Acetate	5.84	43	3194820	738.357	ug/l	99
24) 1,1-Dichloroethane	5.79	63	501219	139.884	ug/l	99
25) 2-Butanone	6.79	43	900320	757.888	ug/l	100
26) 2,2-Dichloropropane	6.77	77	393365	139.595	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	311811	148.334	ug/l	99
28) Bromochloromethane	7.15	49	276993	147.747	ug/l	98
29) Tetrahydrofuran	7.17	42	600149	782.778	ug/l	99
30) Chloroform	7.33	83	513761	142.370	ug/l	99
31) Cyclohexane	7.61	56	510171	154.698	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	426648	144.819	ug/l	99
36) 1,1-Dichloropropene	7.75	75	373688	148.900	ug/l	99
37) Ethyl Acetate	6.88	43	342909	145.459	ug/l	100
38) Carbon Tetrachloride	7.73	117	365907	144.416	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	504373	170.082	ug/l	98
40) Benzene	8.00	78	1170174	147.012	ug/l	100
41) Methacrylonitrile	7.13	41	186288	166.267	ug/l	94
42) 1,2-Dichloroethane	8.09	62	390819	146.227	ug/l	100
43) Isopropyl Acetate	8.13	43	603903	155.012	ug/l	100
44) Trichloroethene	8.80	130	289931	146.434	ug/l	98
45) 1,2-Dichloropropane	9.09	63	330990	143.857	ug/l	97
46) Dibromomethane	9.18	93	193132	145.301	ug/l	98
47) Bromodichloromethane	9.37	83	420996	144.612	ug/l	99
48) Methyl methacrylate	9.17	41	292322	158.585	ug/l	99
49) 1,4-Dioxane	9.17	88	117842	3279.664	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1853160	752.548	ug/l	98
52) Toluene	10.13	92	740170	154.150	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	475376	157.904	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	511794	154.970	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	302714	147.442	ug/l	100
56) Ethyl methacrylate	10.40	69	472764	170.522	ug/l	99
57) 1,3-Dichloropropane	10.68	76	507449	148.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	577930	869.745	ug/l	99
59) 2-Hexanone	10.72	43	1374873	800.431	ug/l	99
60) Dibromochloromethane	10.88	129	343541	151.199	ug/l	100
61) 1,2-Dibromoethane	10.98	107	306738	155.486	ug/l	100
64) Tetrachloroethene	10.61	164	258981	142.119	ug/l	98
65) Chlorobenzene	11.41	112	822930	147.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	319041	147.325	ug/l	99
67) Ethyl Benzene	11.48	91	1511938	160.715	ug/l	100
68) m/p-Xylenes	11.60	106	1153466	329.892	ug/l	99
69) o-Xylene	11.92	106	560527	166.943	ug/l	99
70) Styrene	11.94	104	1004707	174.361	ug/l	99
71) Bromoform	12.10	173	270216	156.764	ug/l #	100
73) Isopropylbenzene	12.22	105	1501880	147.821	ug/l	100
74) N-amyl acetate	12.05	43	598015	164.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	463061	127.739	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	404669m	138.485	ug/l	
77) Bromobenzene	12.50	156	393564	140.844	ug/l	99
78) n-propylbenzene	12.57	91	1799630	155.399	ug/l	99
79) 2-Chlorotoluene	12.65	91	1052194	144.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1314795	156.544	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	162134	154.407	ug/l	98
82) 4-Chlorotoluene	12.75	91	1119652	150.954	ug/l	100
83) tert-Butylbenzene	12.97	119	1121178	154.664	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	1335821	163.258	ug/l	100
85) sec-Butylbenzene	13.15	105	1536625	156.846	ug/l	100
86) p-Isopropyltoluene	13.26	119	1407901	164.928	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	727008	151.387	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	723551	148.445	ug/l	99
89) n-Butylbenzene	13.59	91	1254166	174.092	ug/l	98
90) Hexachloroethane	13.85	117	257681	142.020	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	683363	147.315	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	84419	164.981	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:46:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	415880	205.190	ug/l	99
94) Hexachlorobutadiene	14.99	225	233738	136.358	ug/l	100
95) Naphthalene	15.10	128	978904	216.525	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	400241	196.628	ug/l	98

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

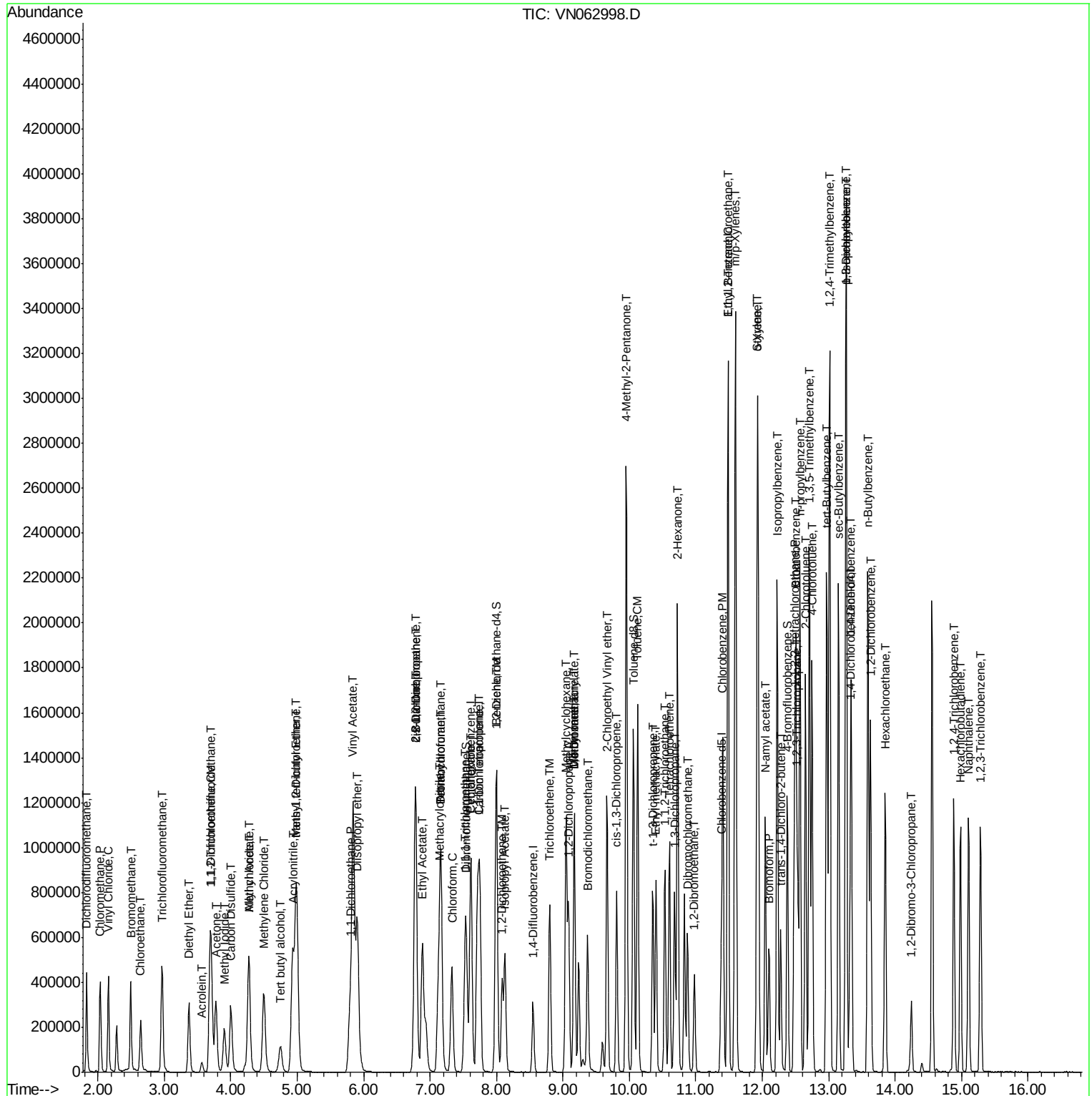
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Data File : VN062998.D
Acq On : 18 Aug 2020 20:42
Operator : JC/MD
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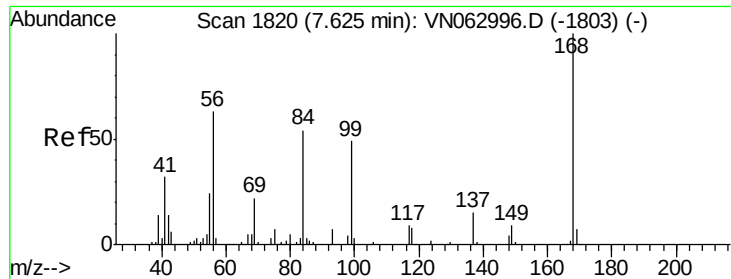
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 188795

Ion Ratio Lower Upper

168 100

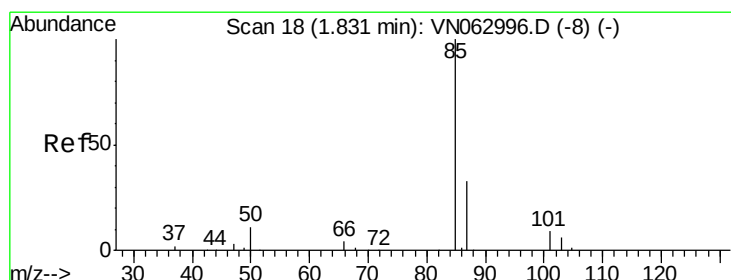
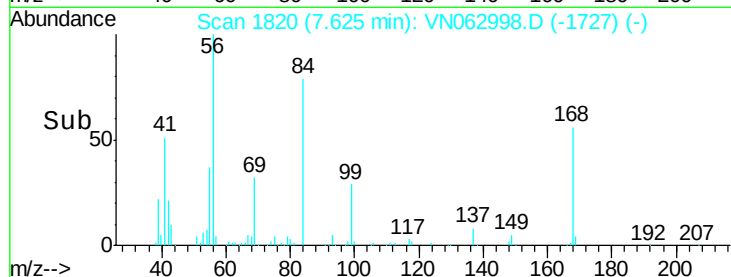
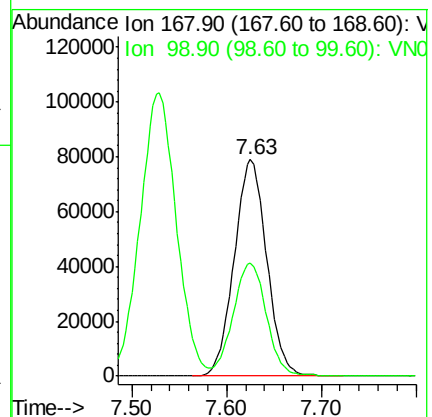
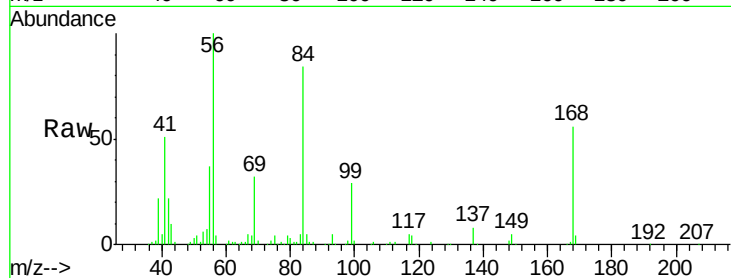
99 52.0 42.0 63.0

Manual Integrations

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8/19/2020 5:46:19 PM



#2

Dichlorodifluoromethane

Concen: 162.203 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062998.D

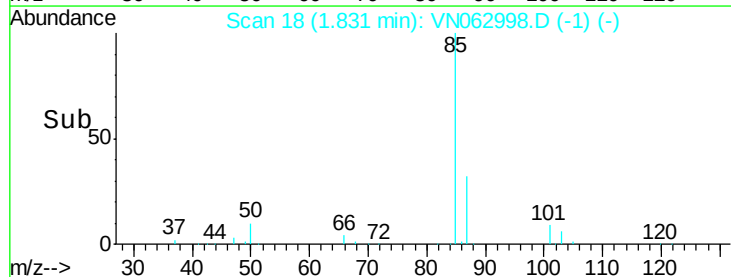
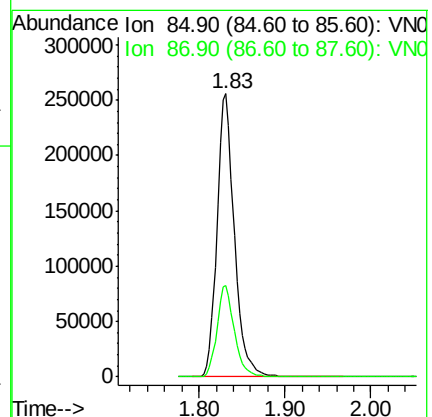
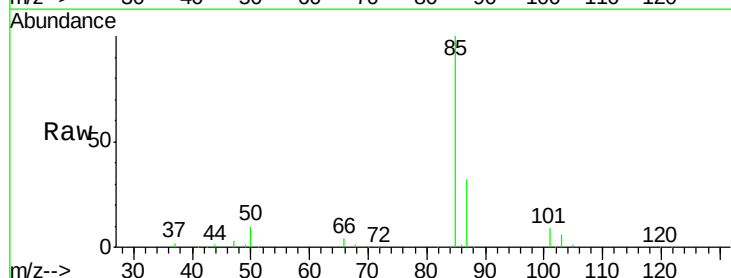
Acq: 18 Aug 2020 20:42

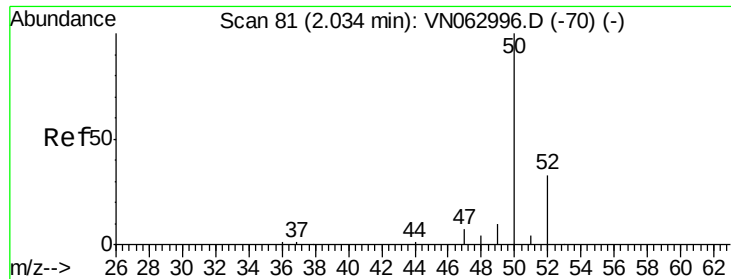
Tgt Ion: 85 Resp: 362594

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.4





#3

Chloromethane

Concen: 158.667 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 410730

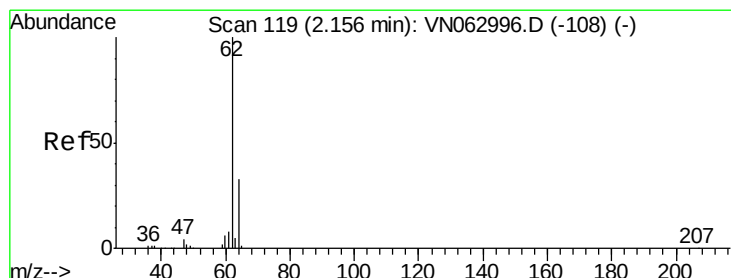
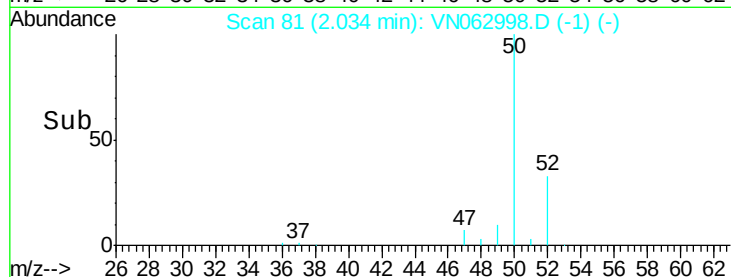
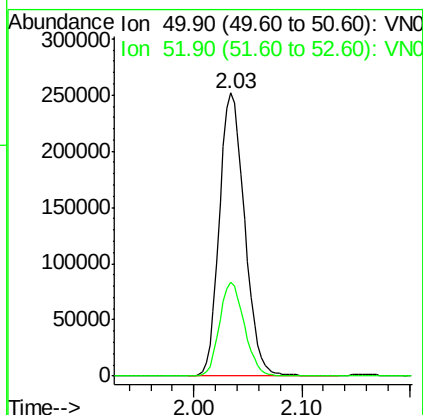
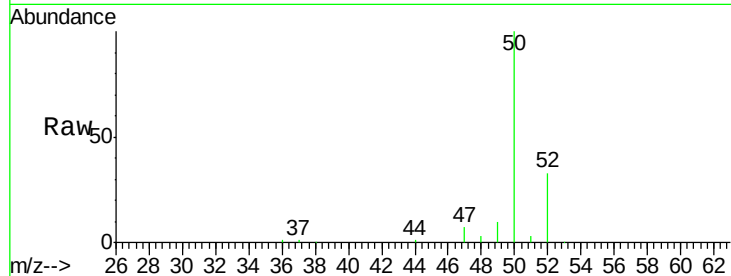
Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 154.884 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062998.D

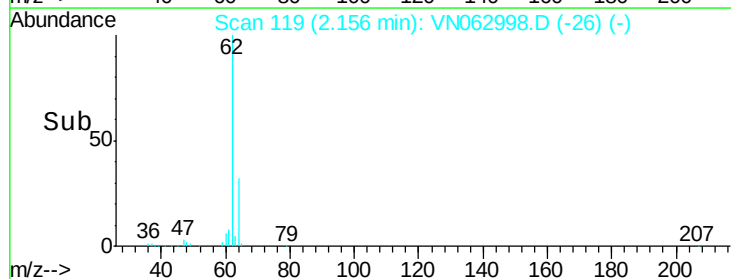
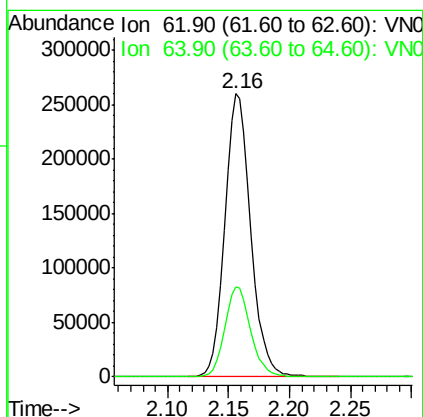
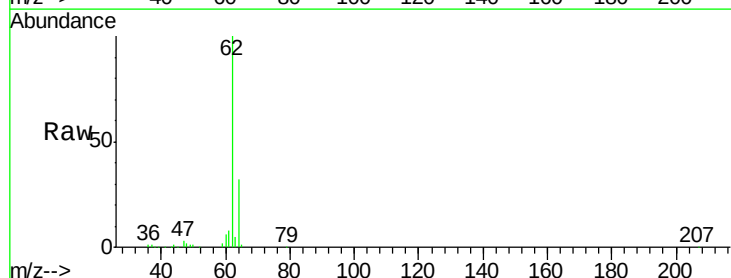
Acq: 18 Aug 2020 20:42

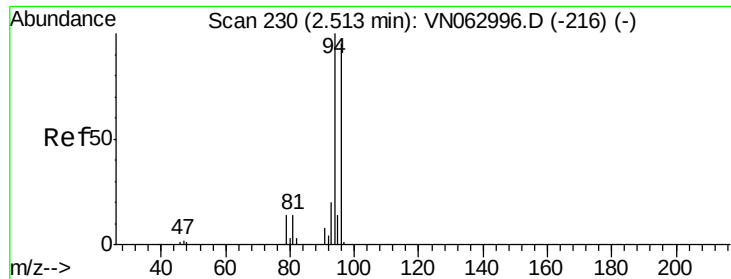
Tgt Ion: 62 Resp: 387742

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 153.431 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.02 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 227985

Ion Ratio Lower Upper

94 100

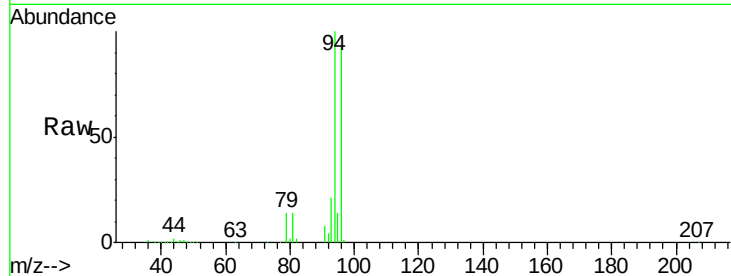
96 93.3 75.8 113.8

Manual Integrations

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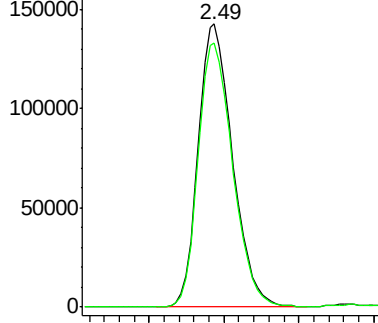
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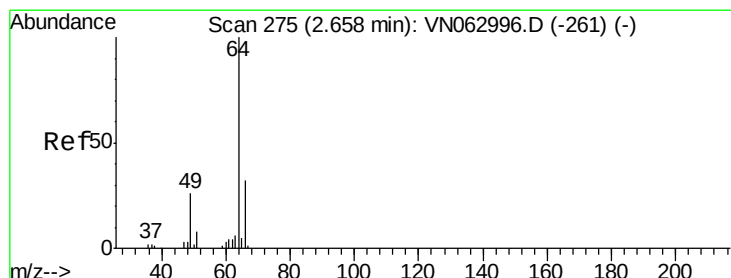
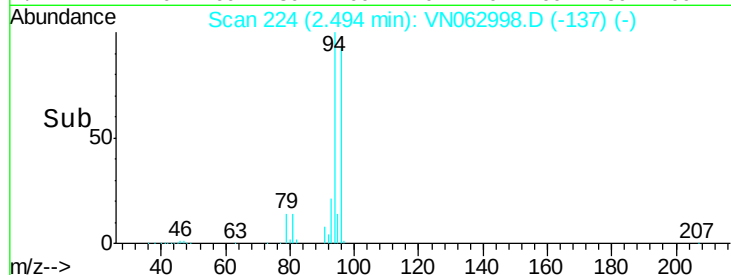


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 152.265 ug/l

RT: 2.64 min Scan# 271

Delta R.T. -0.01 min

Lab File: VN062998.D

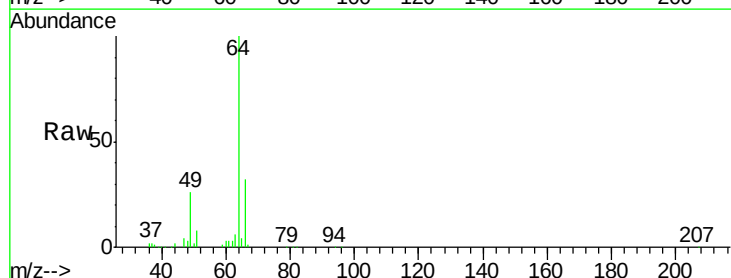
Acq: 18 Aug 2020 20:42

Tgt Ion: 64 Resp: 225057

Ion Ratio Lower Upper

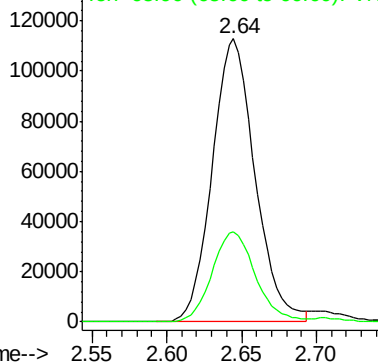
64 100

66 31.8 25.4 38.0

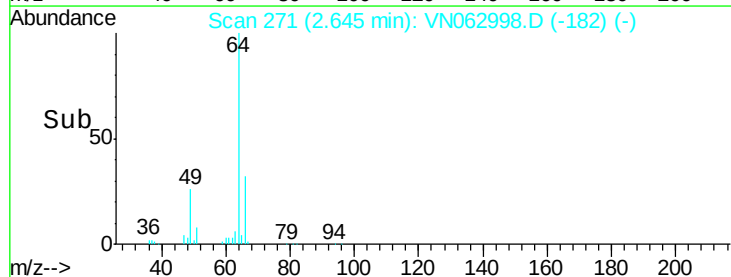


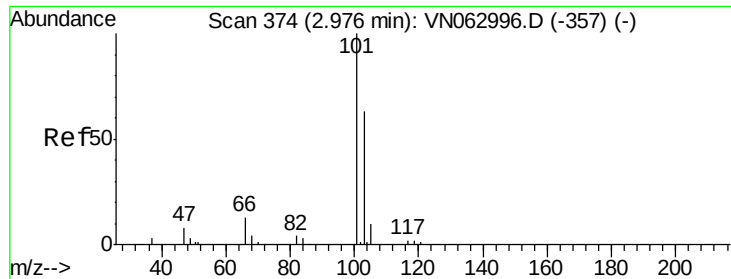
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

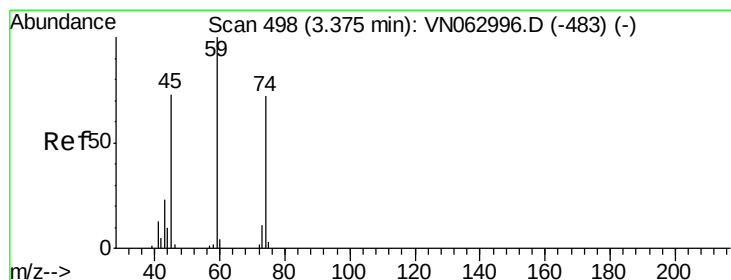
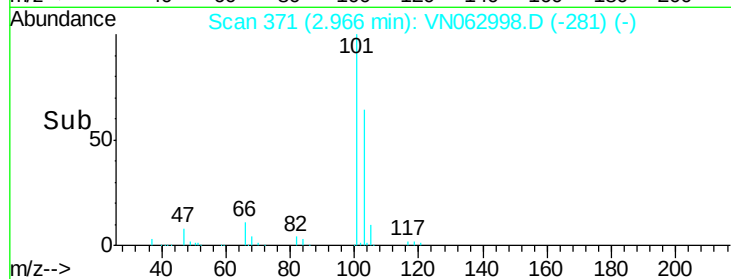
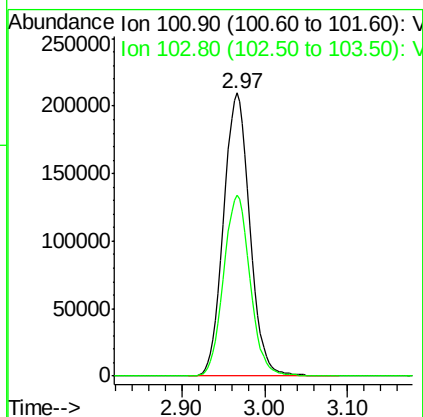
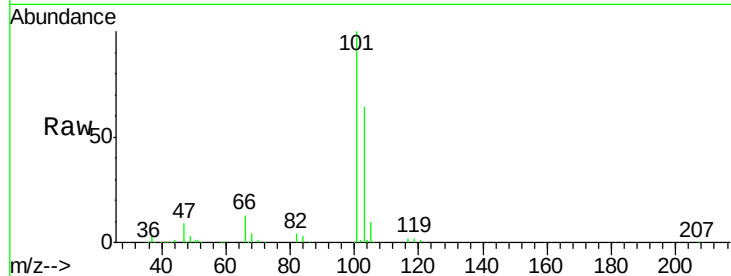
Trichlorofluoromethane
 Concen: 148.336 ug/l
 RT: 2.97 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
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 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		463099		
103	63.9	50.5	75.7		

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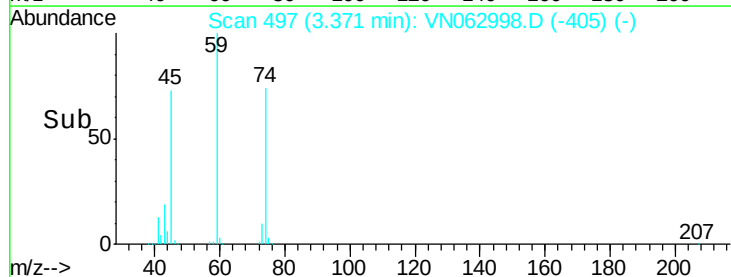
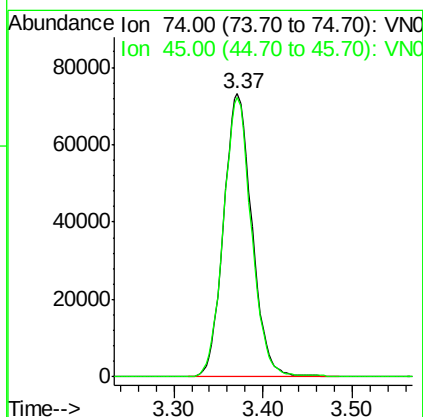
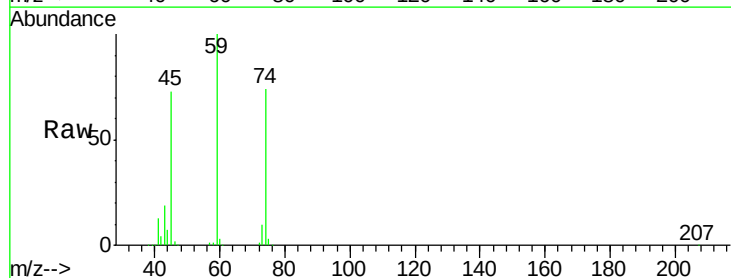
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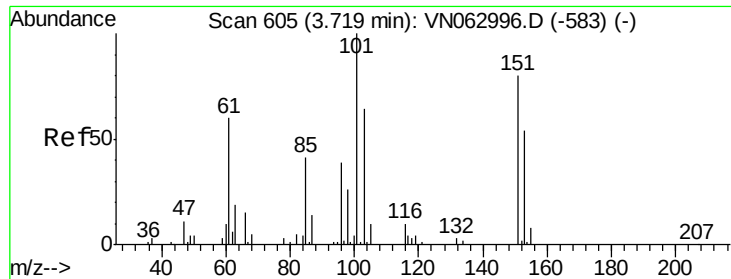


#8

Diethyl Ether
 Concen: 145.599 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		160805		
45	98.1	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 135.491 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

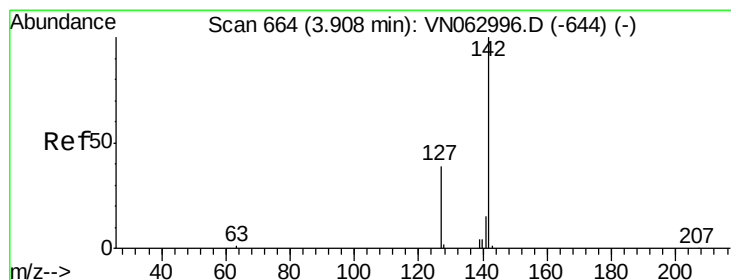
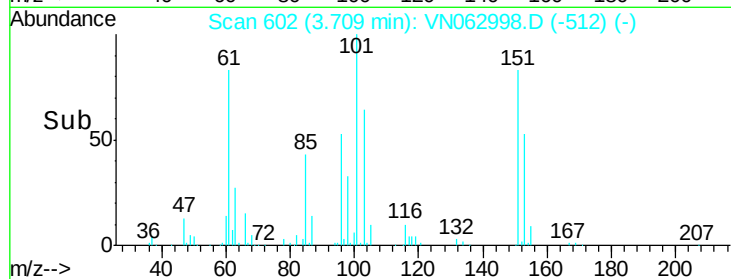
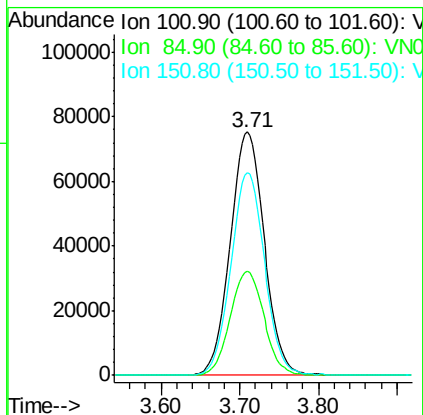
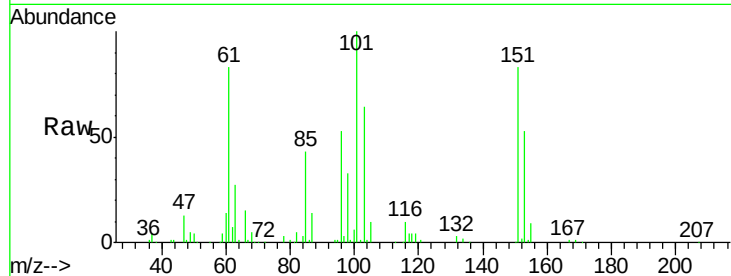
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	227933		
85	42.5	34.0	51.0	
151	82.3	65.8	98.8	

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#10

Methyl Iodide

Concen: 160.027 ug/l

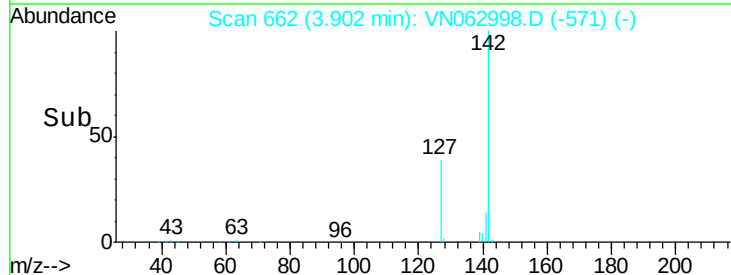
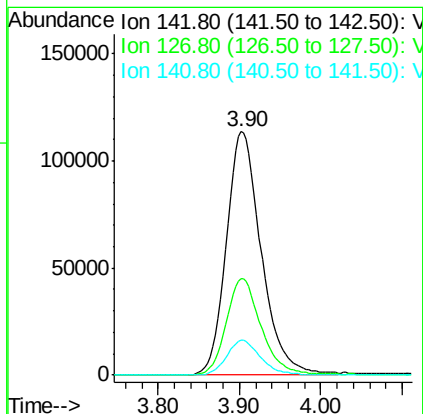
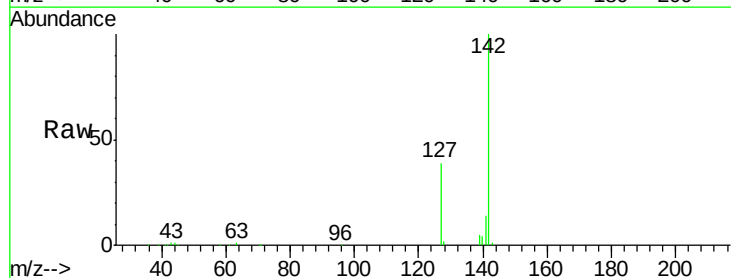
RT: 3.90 min Scan# 662

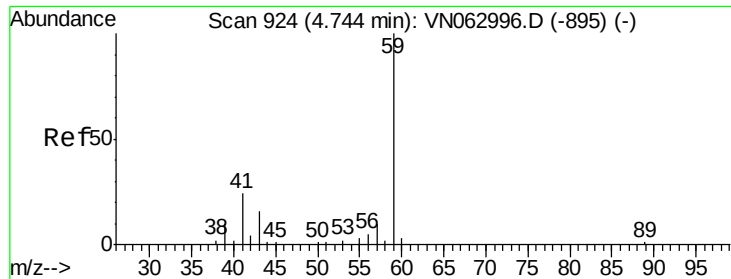
Delta R.T. -0.01 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	341230		
127	39.7	32.2	48.4	
141	14.1	11.3	16.9	





#11

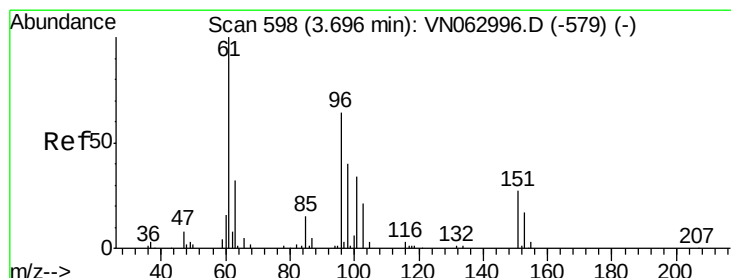
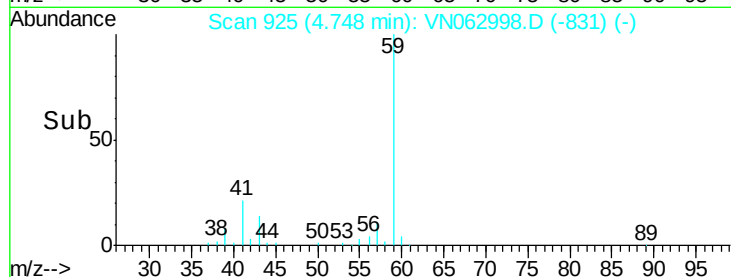
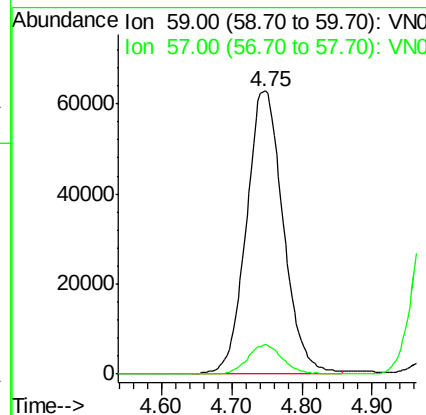
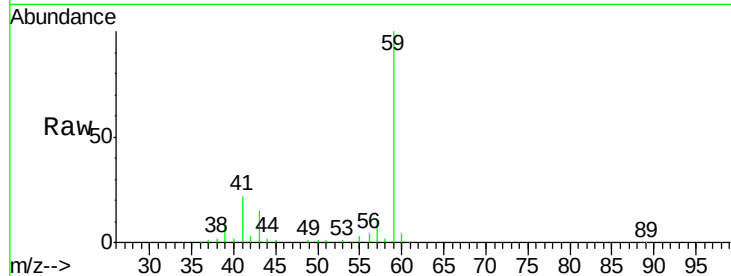
Tert butyl alcohol
Concen: 723.823 ug/l
RT: 4.75 min Scan# 925
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	229410		
57	9.8		7.8	11.6

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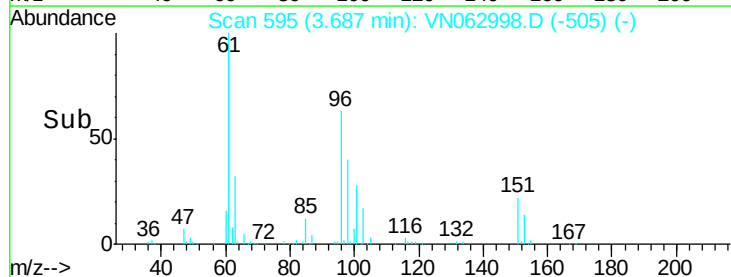
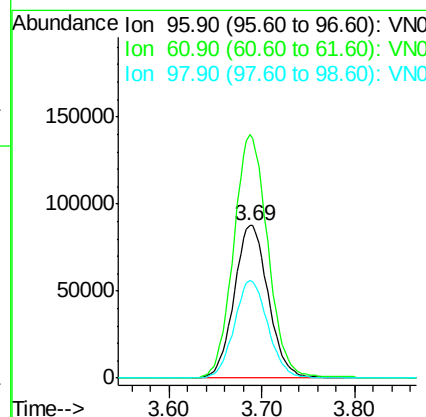
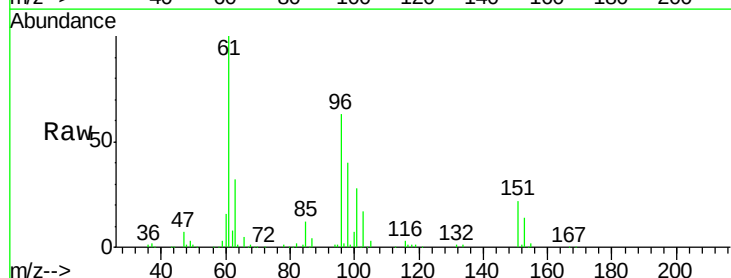
MMDadoda
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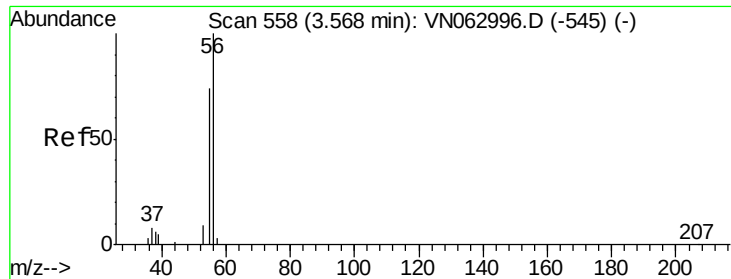


#12

1,1-Dichloroethene
Concen: 139.665 ug/l
RT: 3.69 min Scan# 595
Delta R.T. -0.01 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	223822		
61	159.8		125.5	188.3
98	64.4		50.4	75.6





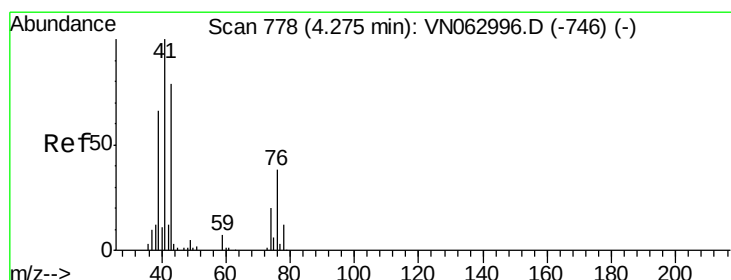
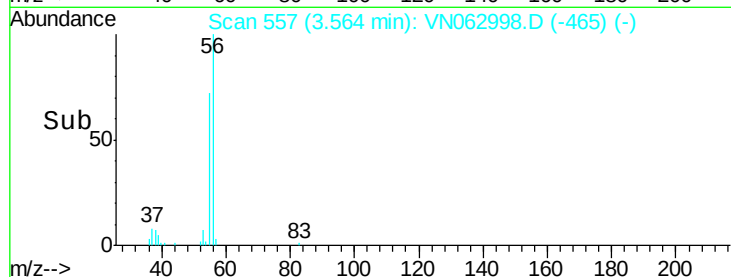
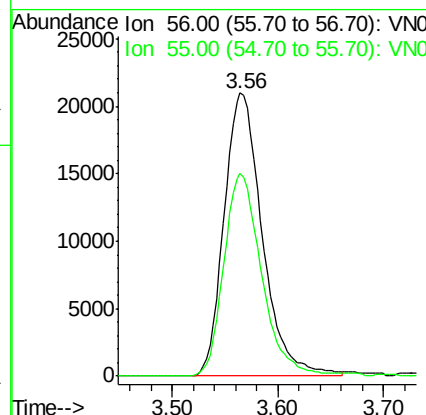
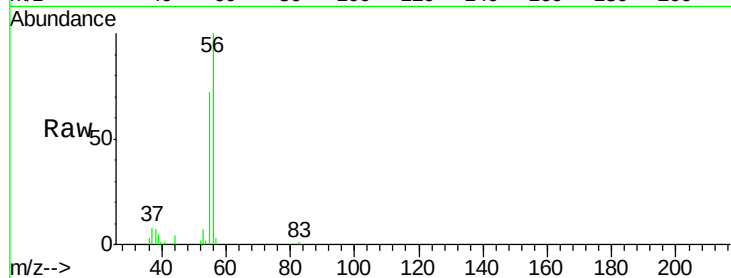
#13
Acrolein
Concen: 530.134 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	58.4	87.6

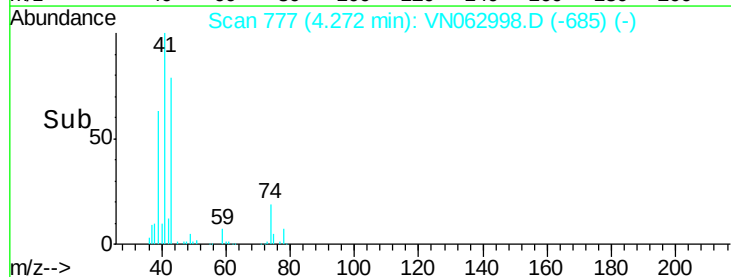
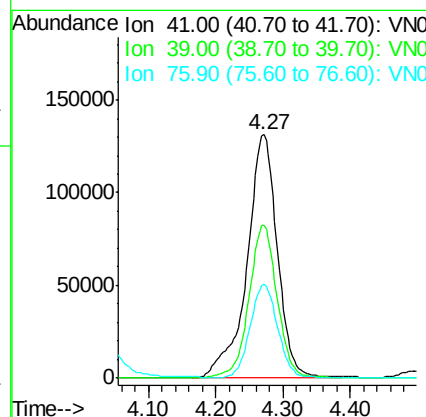
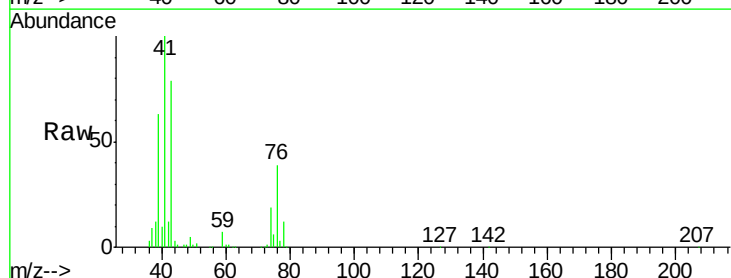
Manual Integrations
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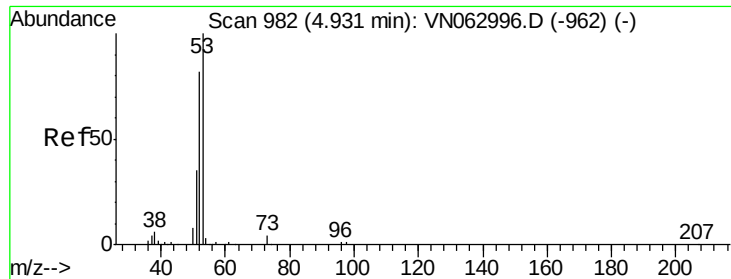
MMDadoda
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#14
Allyl chloride
Concen: 146.496 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.0	47.9	71.9
76	34.5	27.0	40.6





#15

Acrylonitrile

Concen: 762.366 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

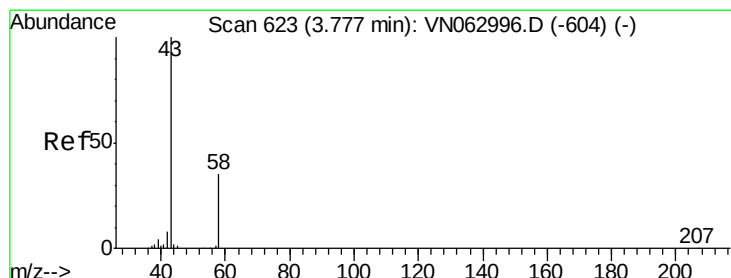
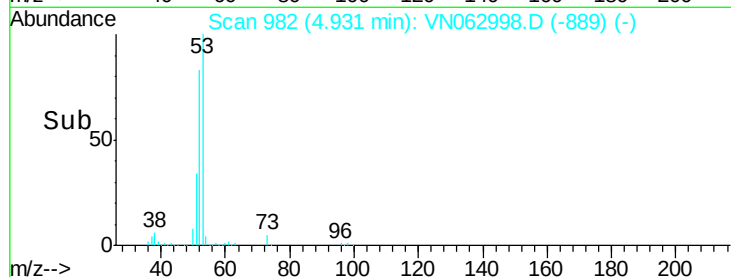
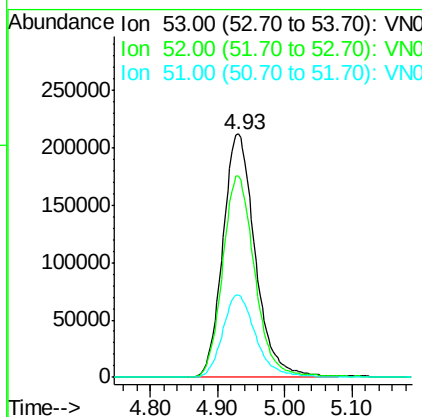
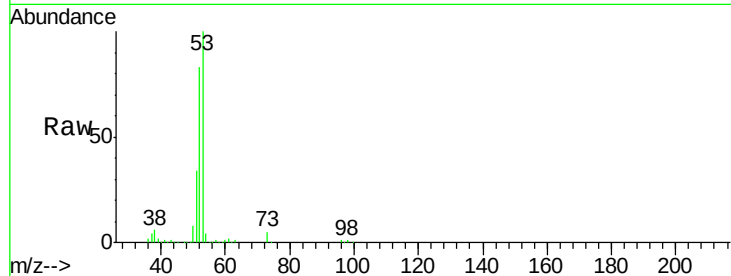
ClientSampleId :

VSTDIC150

Tot Ion	53	Resp	710185
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.6	98.4
51	35.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 661.506 ug/l

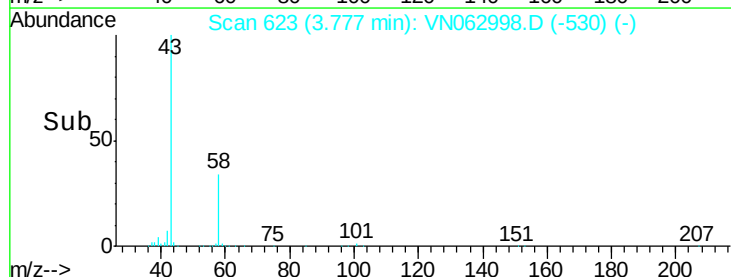
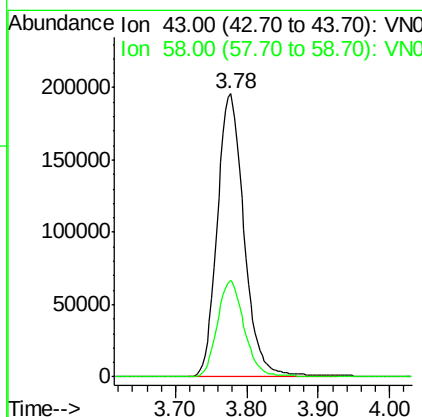
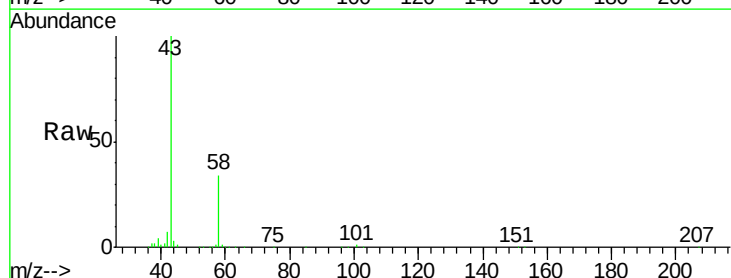
RT: 3.78 min Scan# 623

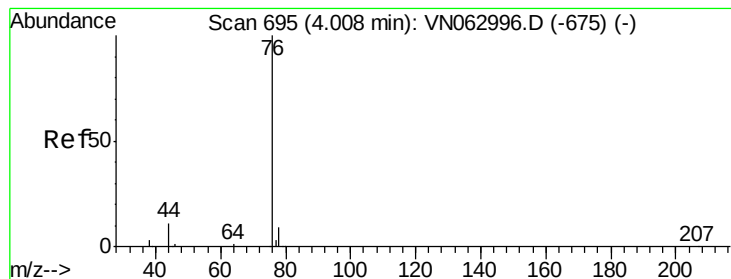
Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion	43	Resp	504040
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.8	41.6





#17

Carbon Disulfide

Concen: 149.887 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 629070

Ion Ratio Lower Upper

76 100

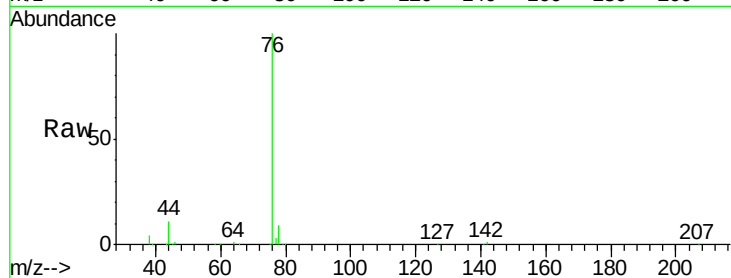
78 9.2 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062998.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN062998.D (-602) (-)

4.00

250000

200000

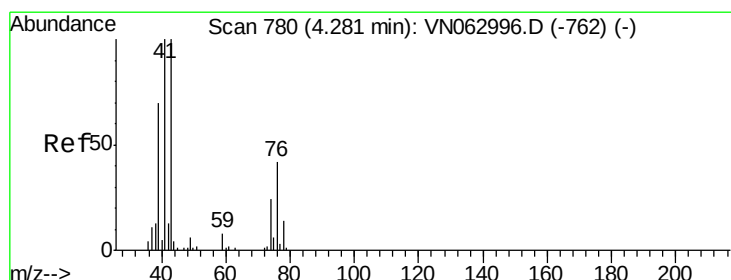
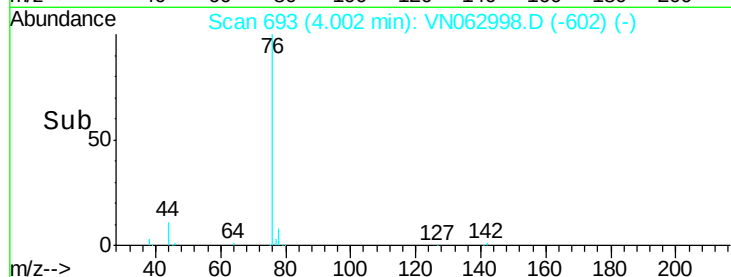
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 138.471 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062998.D

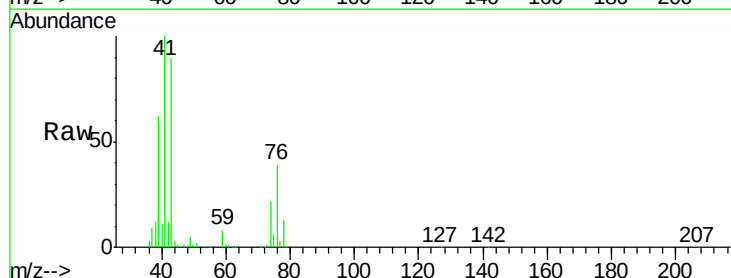
Acq: 18 Aug 2020 20:42

Tgt Ion: 43 Resp: 307909

Ion Ratio Lower Upper

43 100

74 24.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN062998.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN062998.D (-687) (-)

4.28

120000

100000

80000

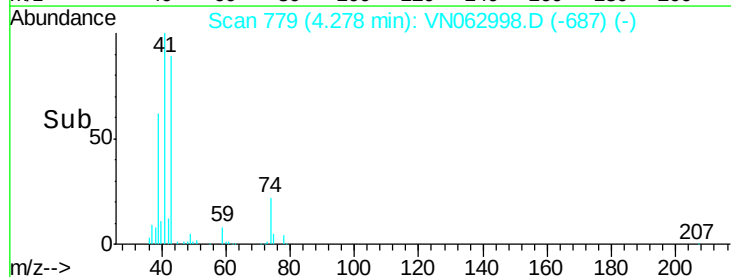
60000

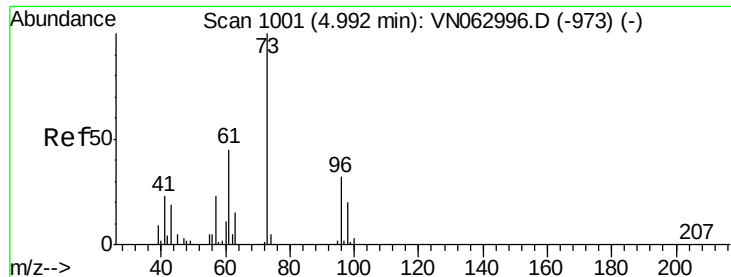
40000

20000

0

Time-->





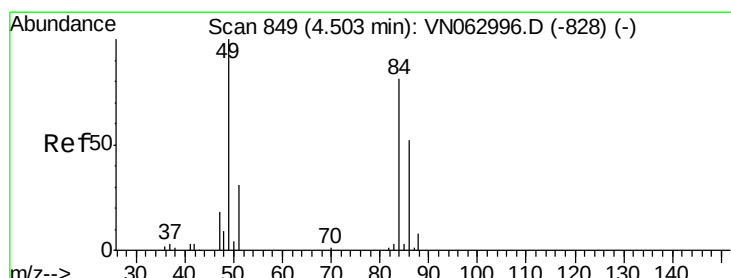
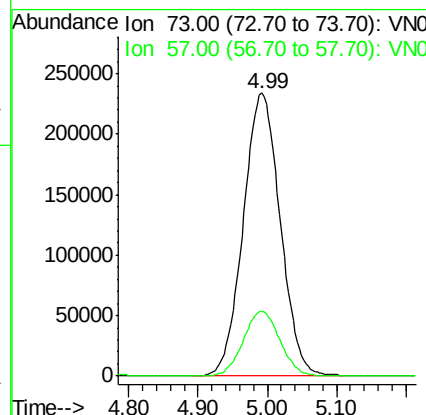
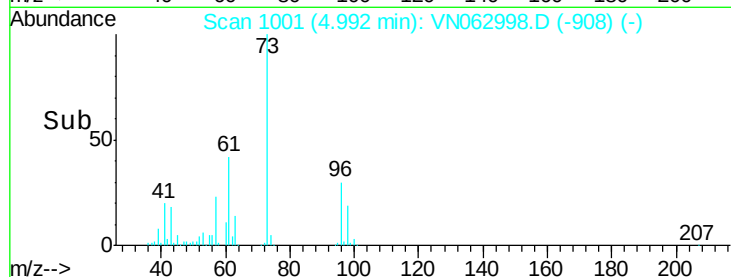
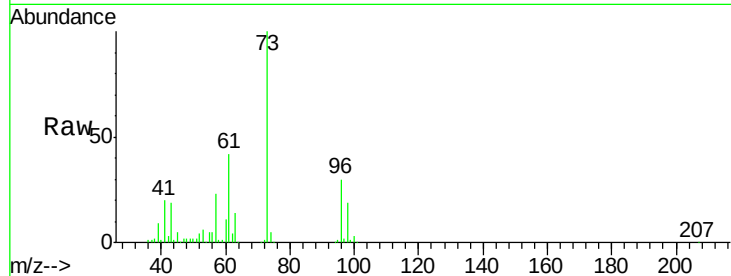
#19
Methvl tert-butvl Ether
Concen: 155.116 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 866916
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1

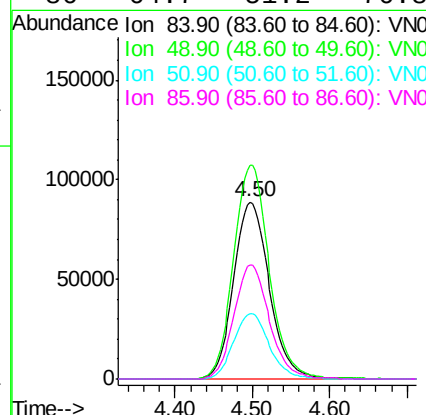
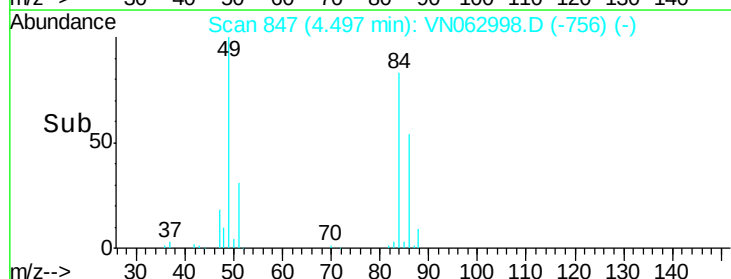
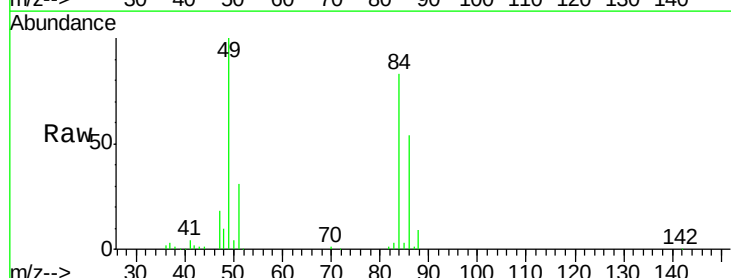
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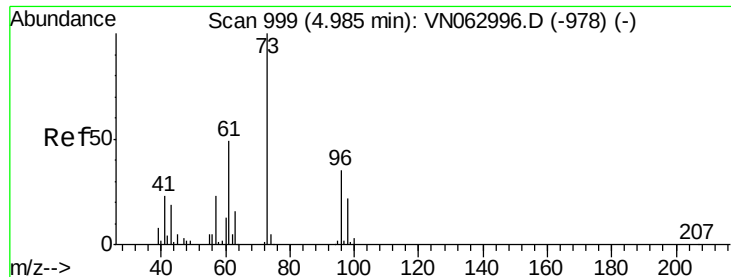
MMDadoda
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#20
Methylene Chloride
Concen: 113.357 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 84 Resp: 284793
Ion Ratio Lower Upper
84 100
49 120.6 98.7 148.1
51 37.2 30.8 46.2
86 64.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 146.509 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

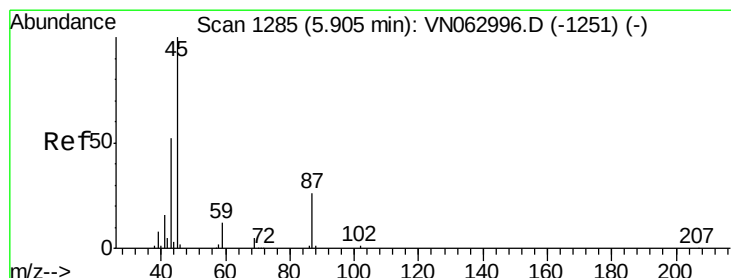
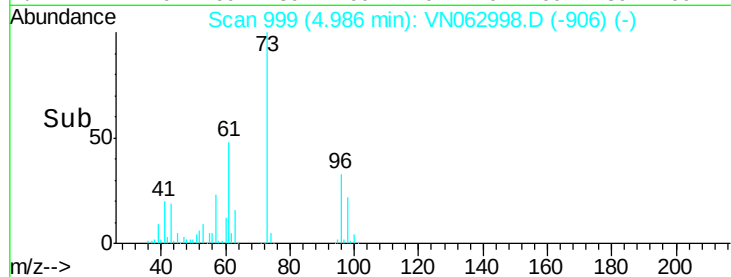
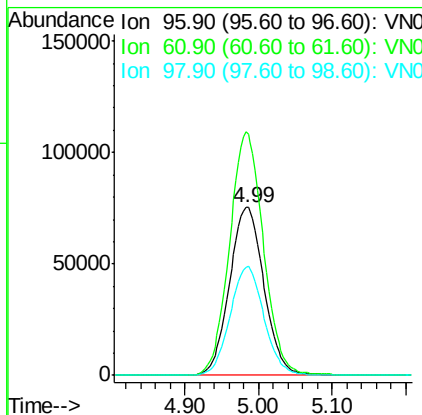
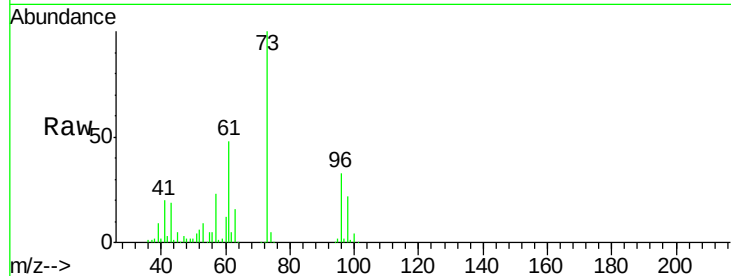
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	245711
Ion	Ratio	Lower	Upper
96	100		
61	144.0	112.5	168.7
98	64.7	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 150.768 ug/l

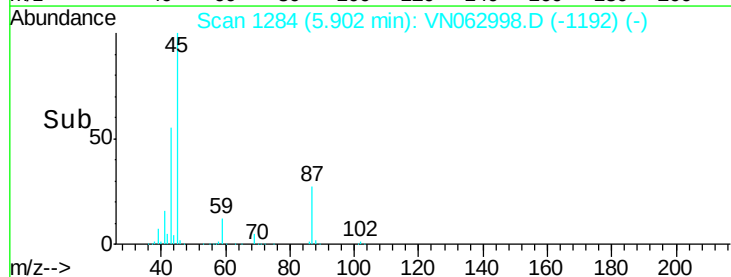
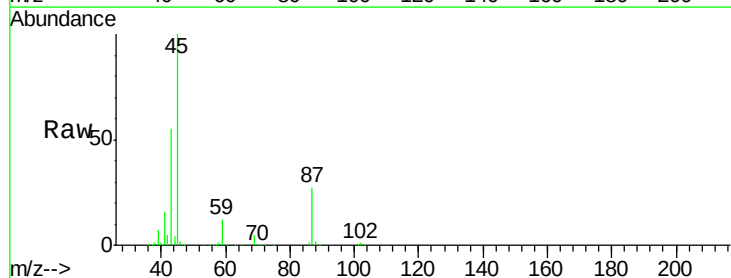
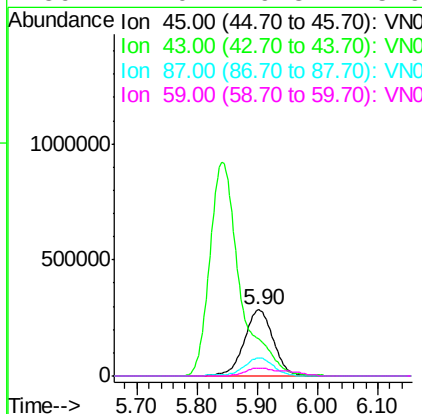
RT: 5.90 min Scan# 1284

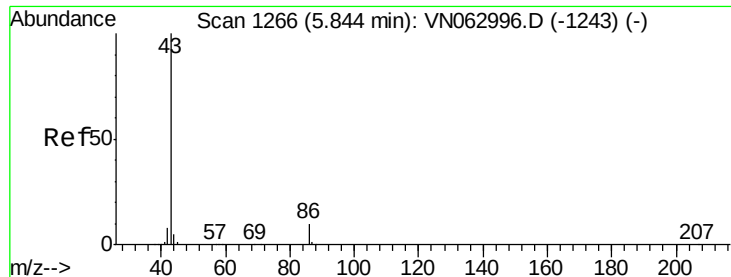
Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion:	45	Resp:	966735
Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.7	68.5
87	27.2	21.8	32.6
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 738.357 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC150

Tot Ion: 43 Resp: 3194820

Ion Ratio Lower Upper

43 100

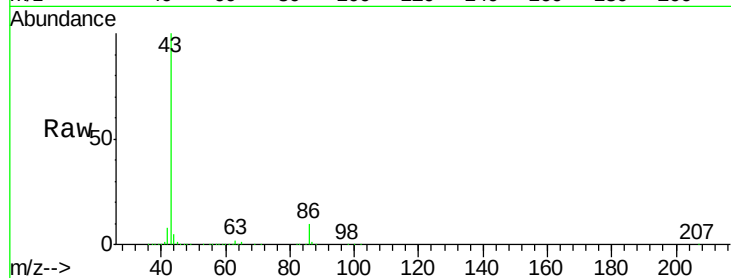
86 10.4 8.0 12.0

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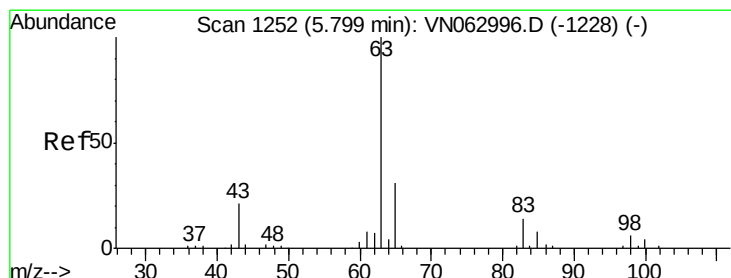
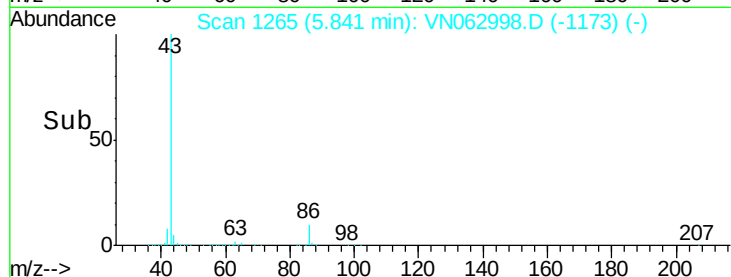
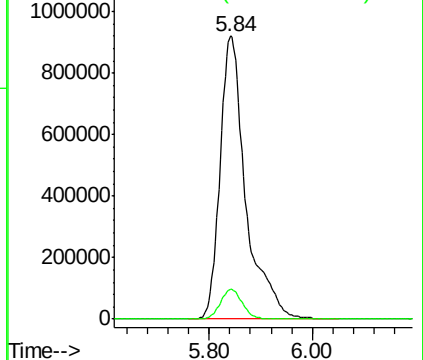
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 139.884 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

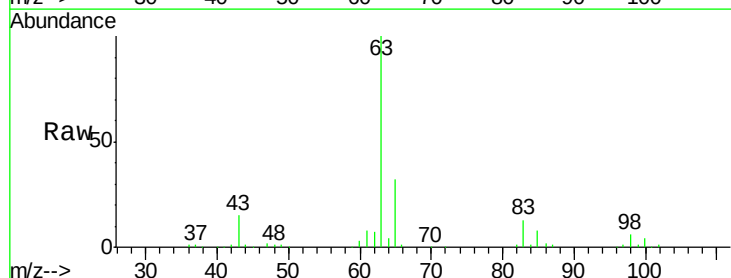
Tgt Ion: 63 Resp: 501219

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

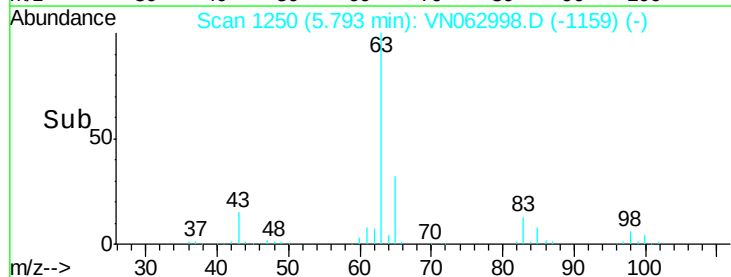
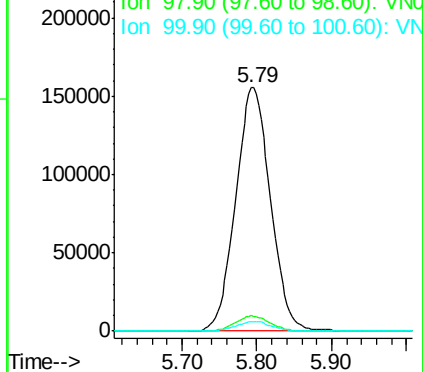
100 3.7 2.0 5.8

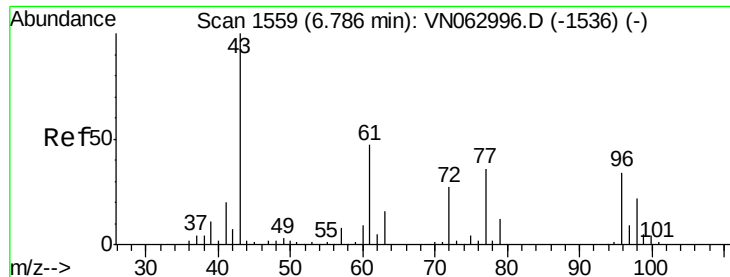


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 757.888 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 900320

Ion Ratio Lower Upper

43 100

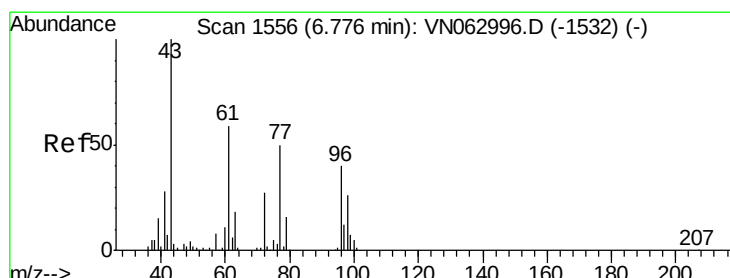
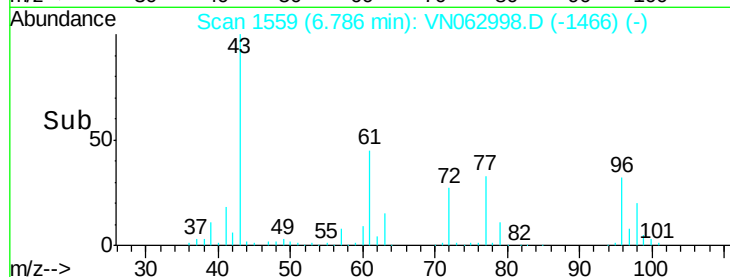
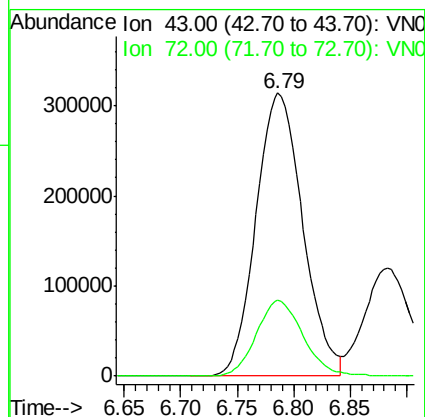
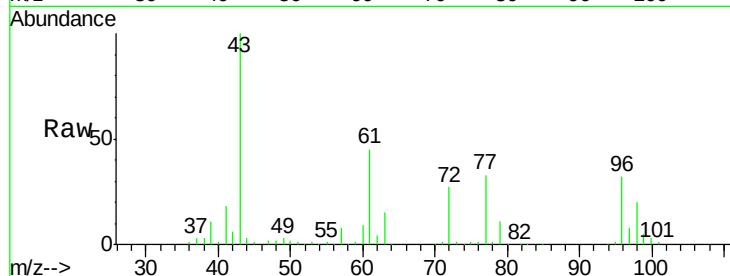
72 27.0 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 139.595 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062998.D

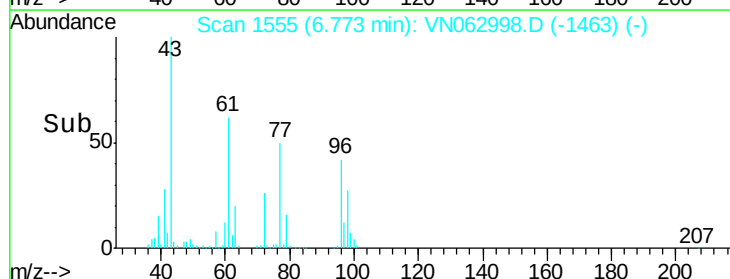
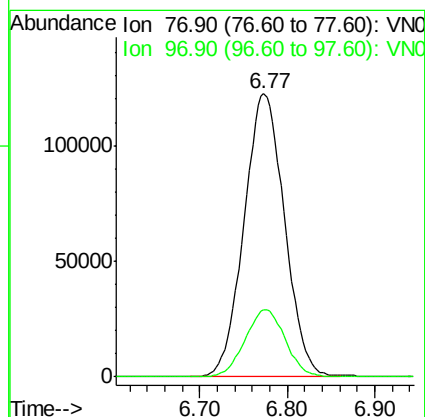
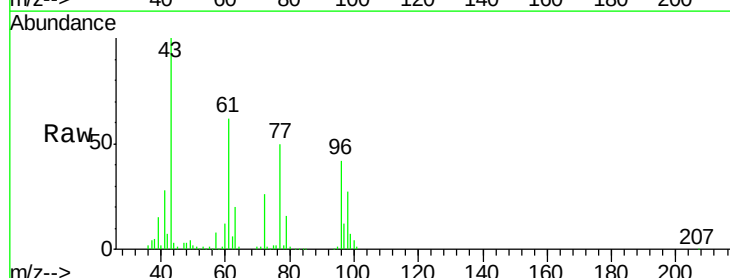
Acq: 18 Aug 2020 20:42

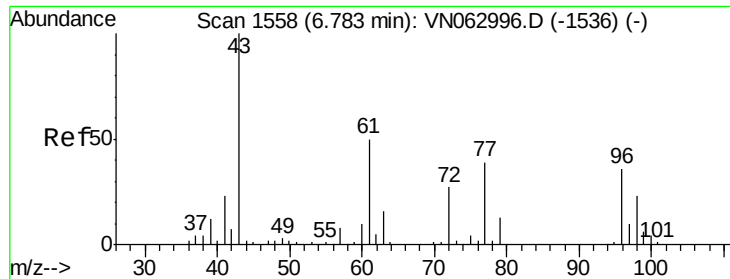
Tgt Ion: 77 Resp: 393365

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 148.334 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

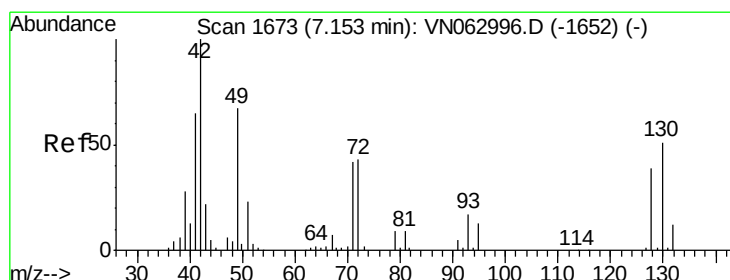
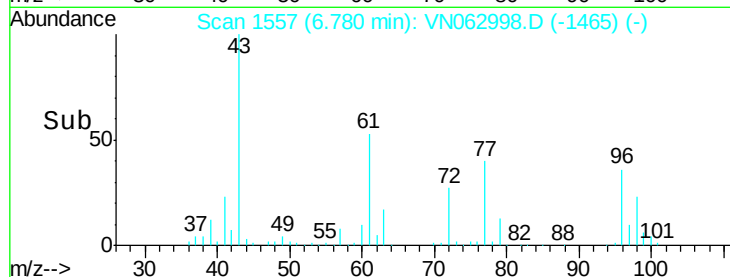
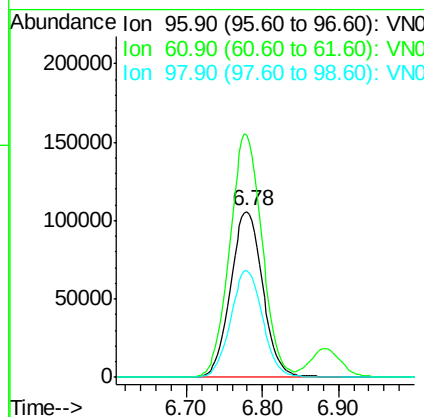
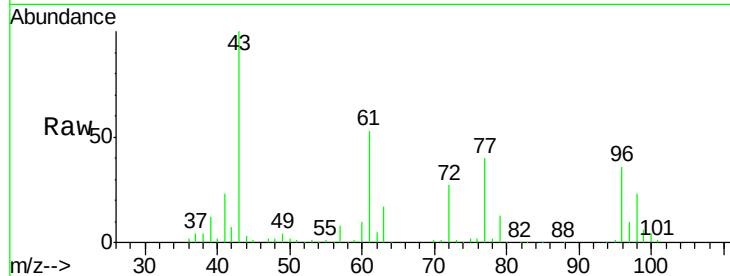
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	311811
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	292.8
98	64.4	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 147.747 ug/l

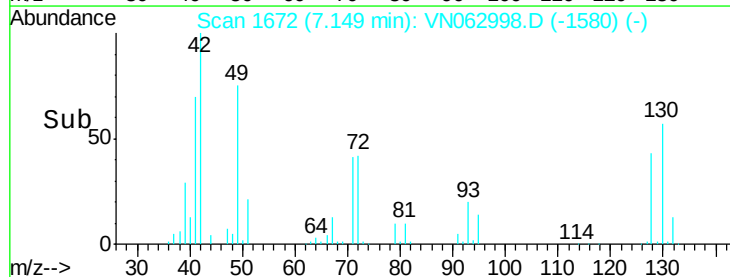
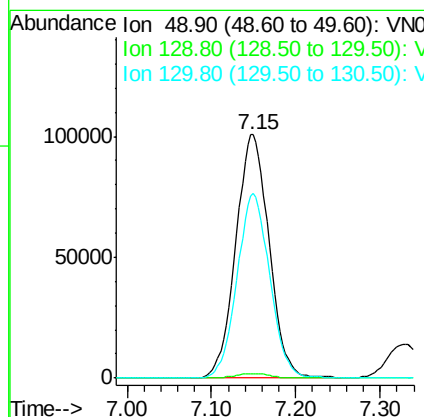
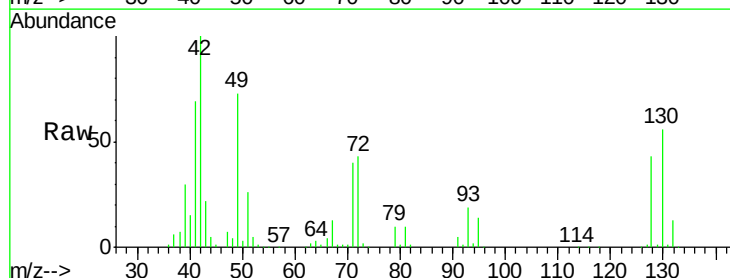
RT: 7.15 min Scan# 1672

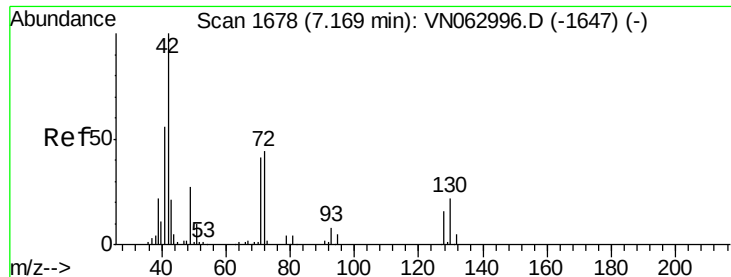
Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion:	49	Resp:	276993
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	74.6	61.1	91.7





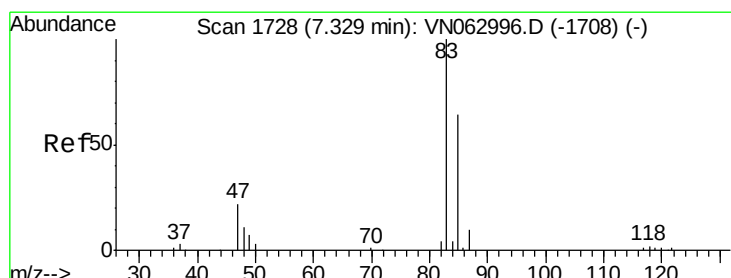
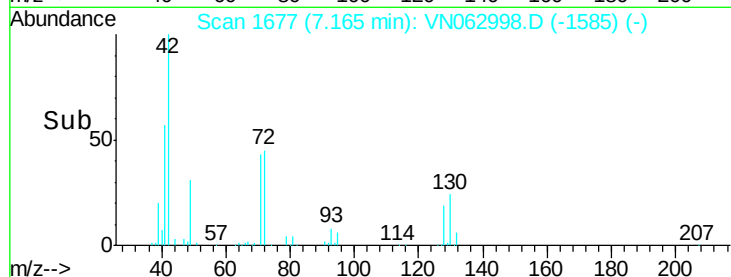
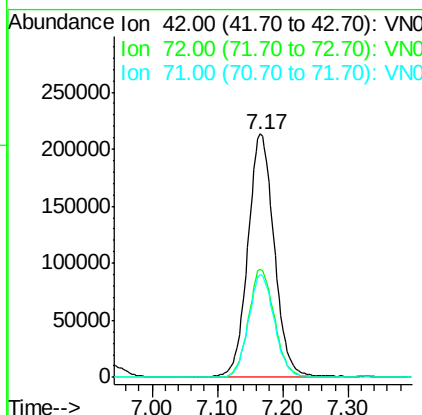
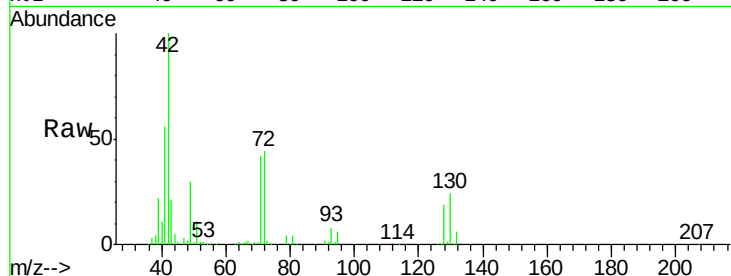
#29
Tetrahydrofuran
Concen: 782.778 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.6	52.0
71	41.3	32.3	48.5

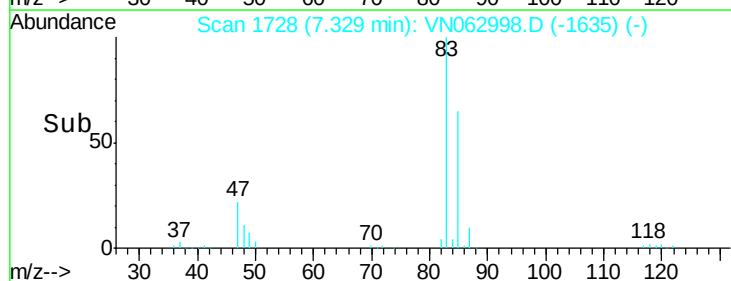
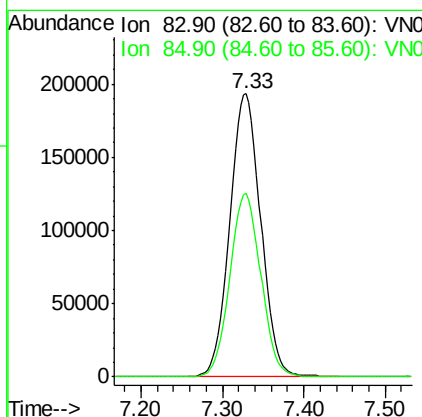
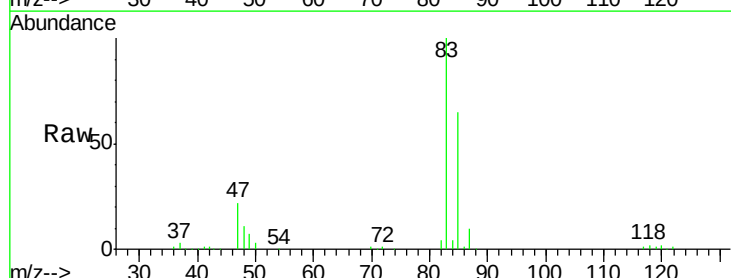
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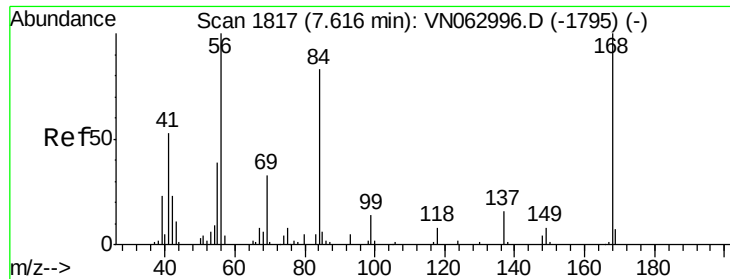
MMDadoda
8/19/2020 5:46:19 PM



#30
Chloroform
Concen: 142.370 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





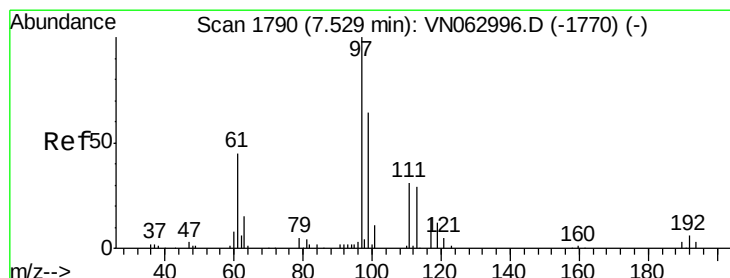
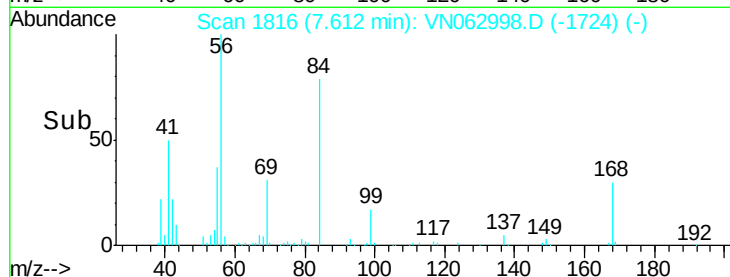
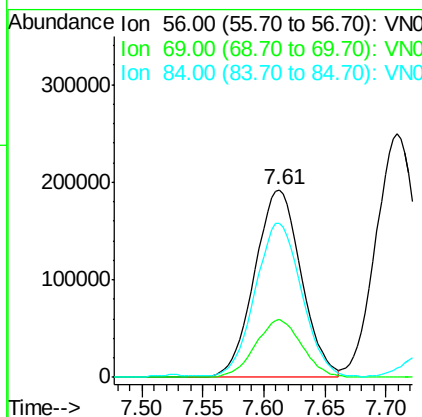
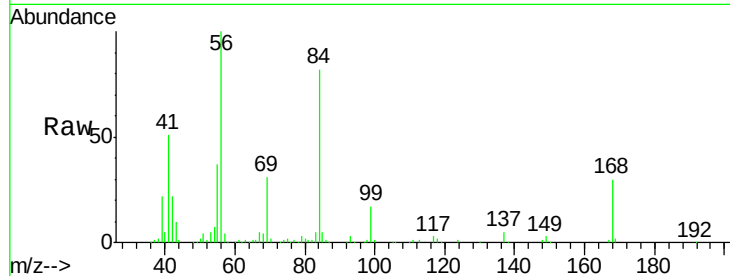
#31
Cyclohexane
Concen: 154.698 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	26.6	40.0
84	81.1	66.4	99.6

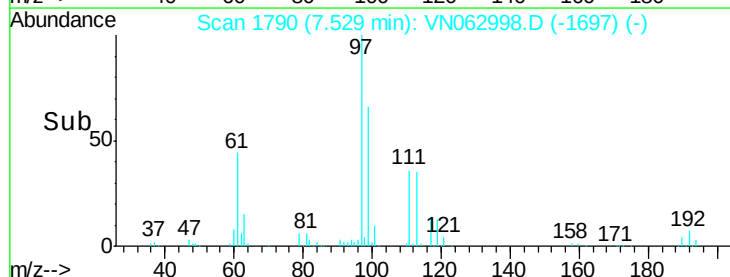
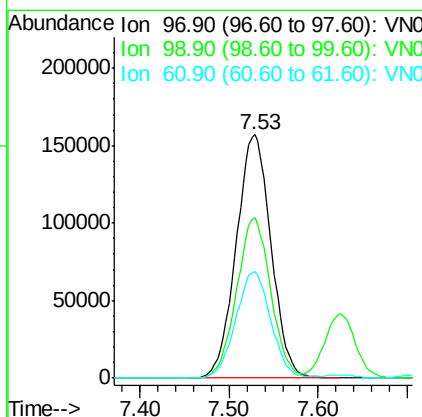
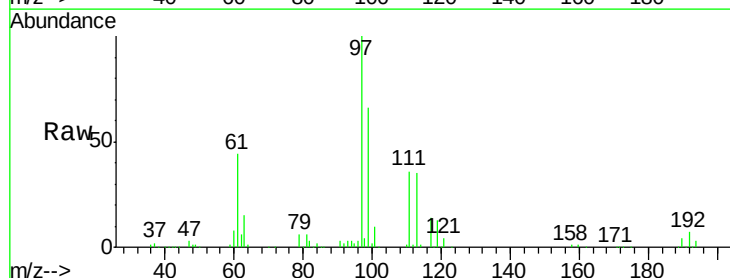
Manual Integrations
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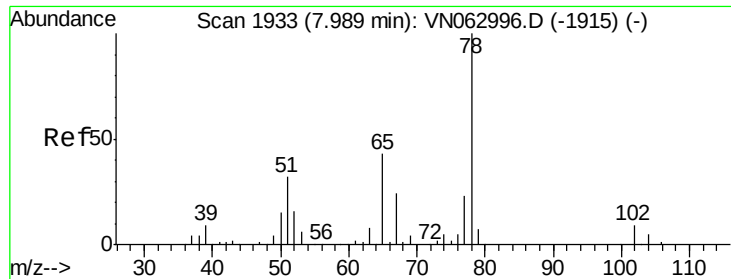
MMDadoda
8/19/2020 5:46:19 PM



#32
1,1,1-Trichloroethane
Concen: 144.819 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	43.7	36.2	54.4





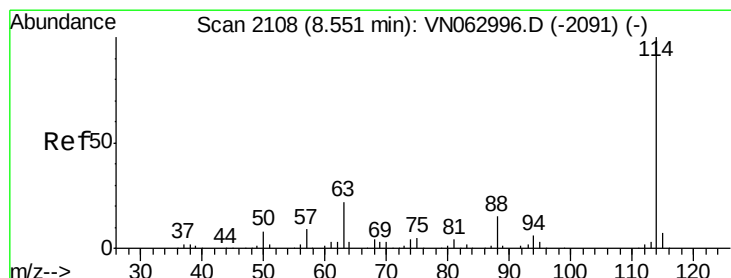
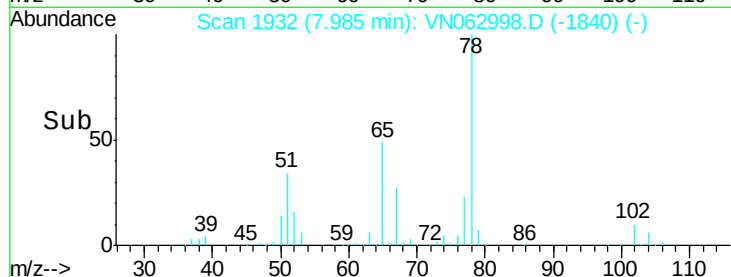
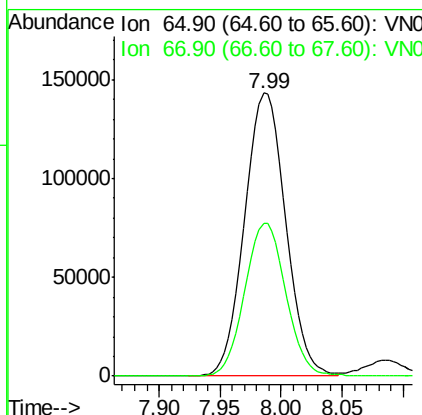
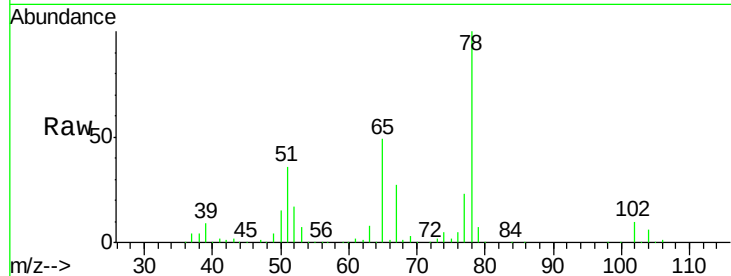
#33
 1,2-Dichloroethane-d4
 Concen: 149.480 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	334473		
67	54.2	0.0	112.0	

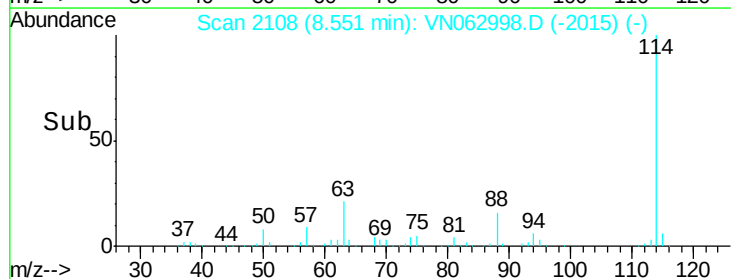
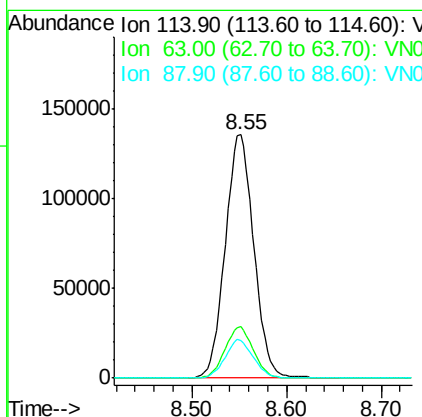
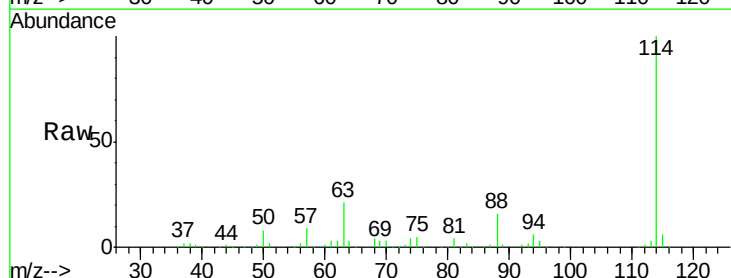
Manual Integrations
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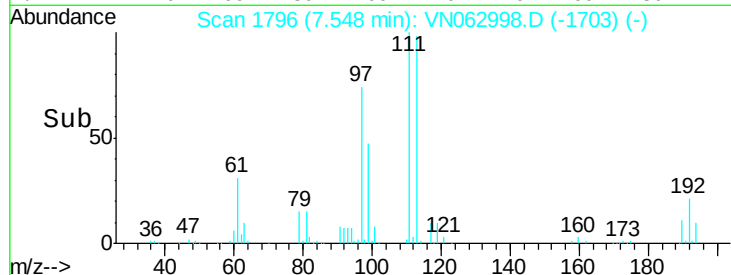
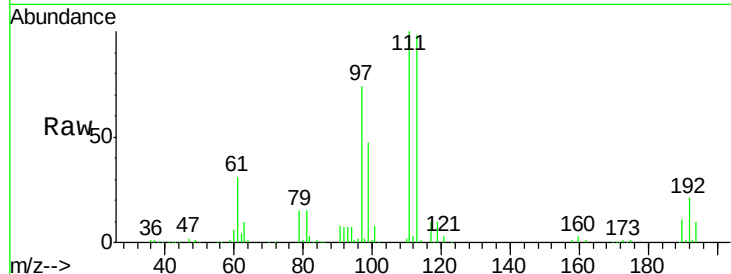
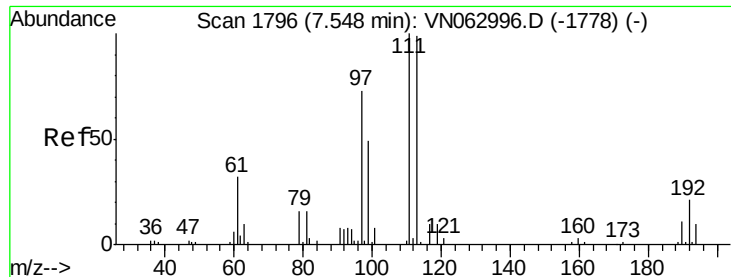
MMDadoda
 8/19/2020 5:46:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284783		
63	21.0	0.0	43.2	
88	15.7	0.0	30.6	





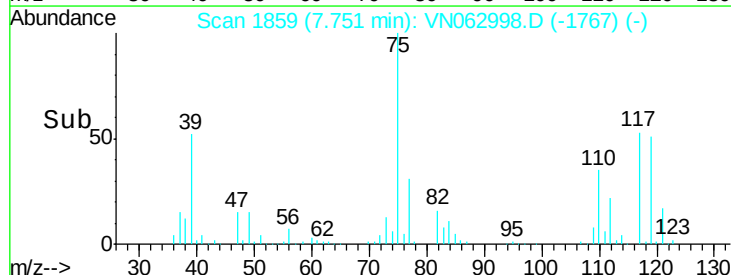
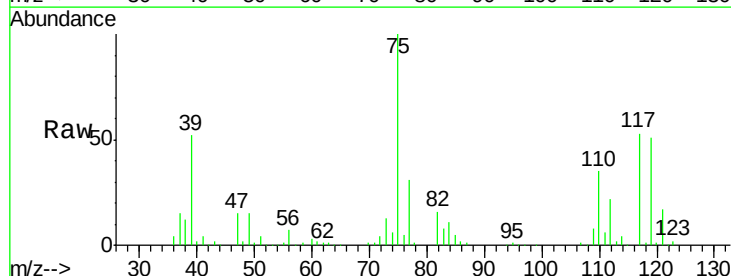
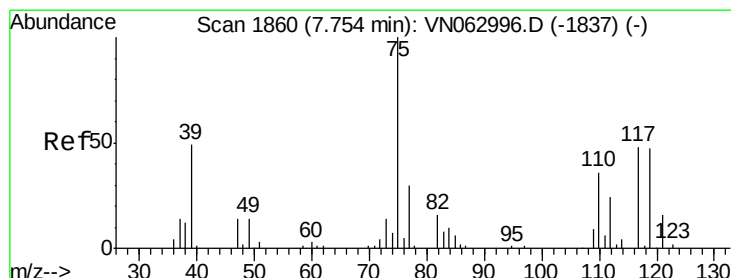
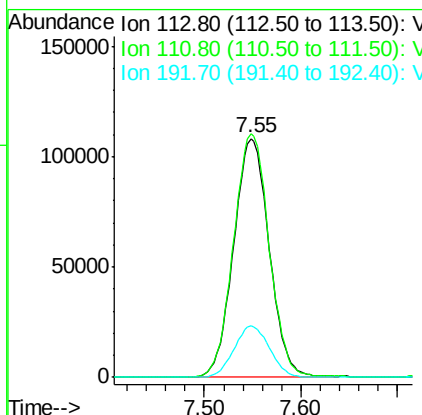
#35
Dibromofluoromethane
Concen: 148.944 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tot Ion	Ratio	Resp	Lower	Upper
113	100	276386		
111	102.8		81.7	122.5
192	21.7		17.5	26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

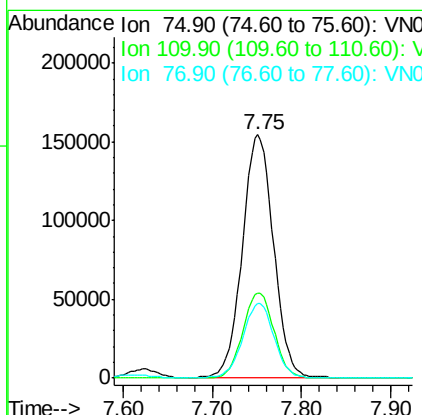
Manual Integrations
APPROVED

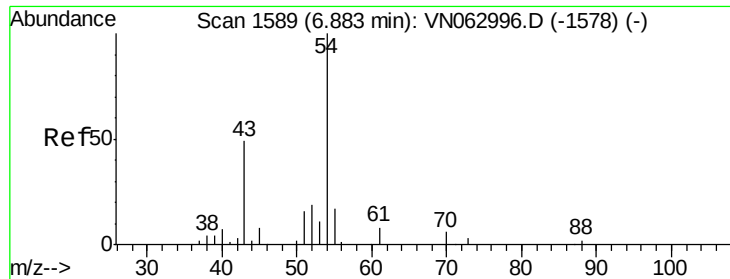
MMDadoda
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#36
1,1-Dichloropropene
Concen: 148.900 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	373688		
110	35.1		17.5	52.6
77	31.3		24.2	36.4





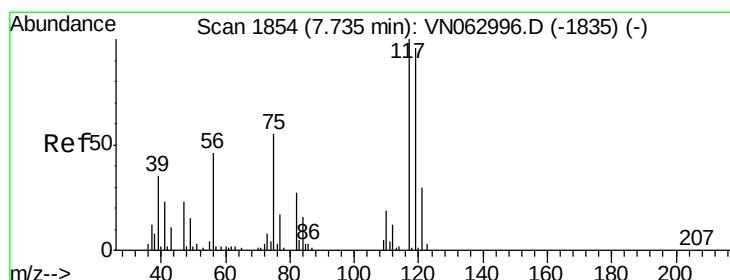
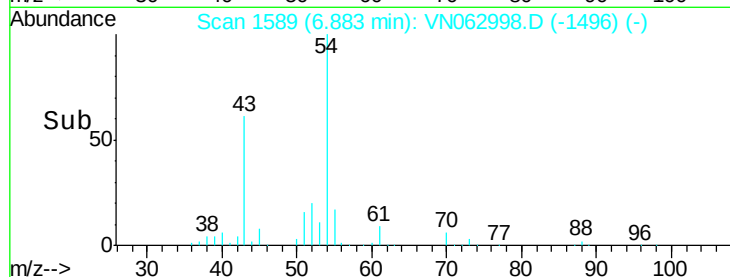
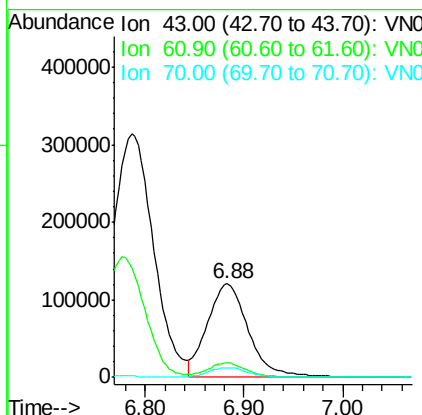
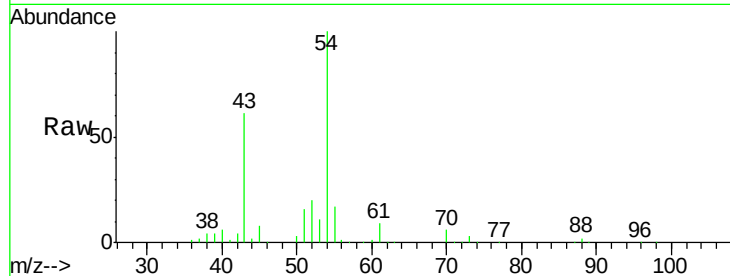
#37
Ethyl Acetate
Concen: 145.459 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.8
70	10.3	8.2	12.2

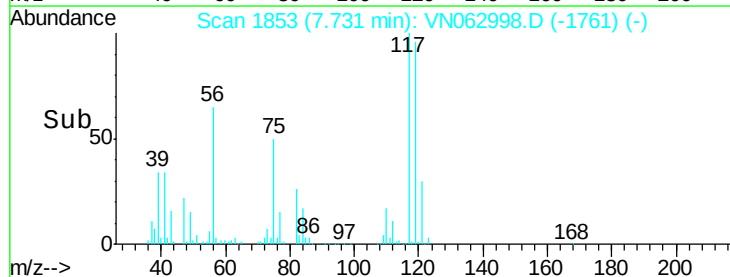
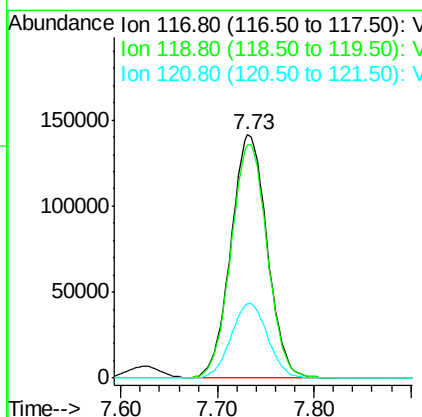
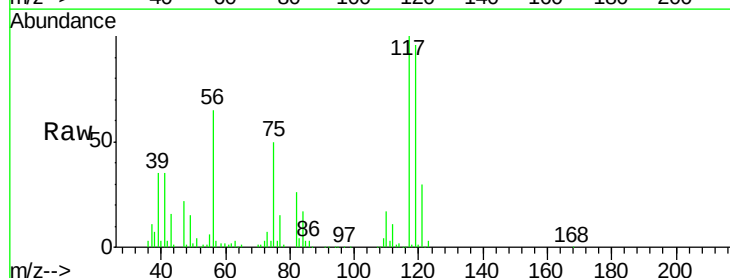
Manual Integrations
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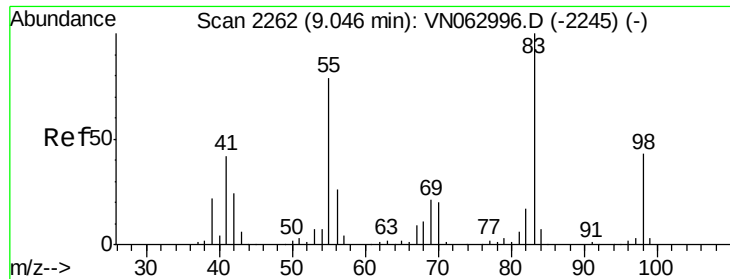
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#38
Carbon Tetrachloride
Concen: 144.416 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.4
121	30.5	24.2	36.2





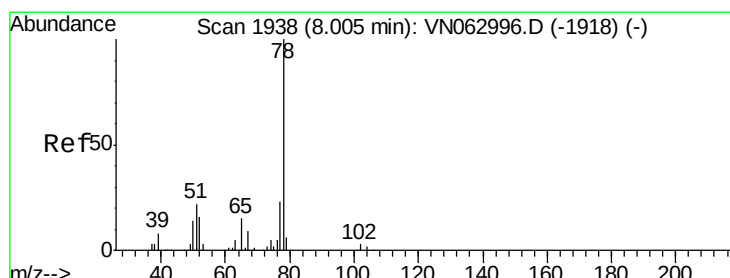
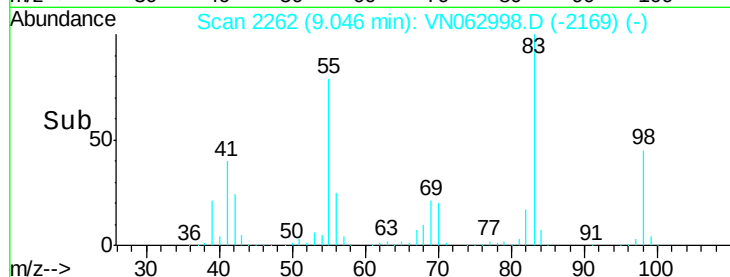
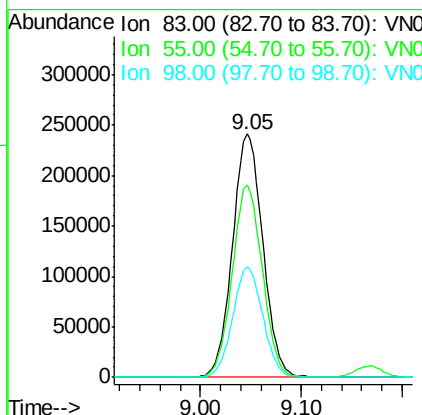
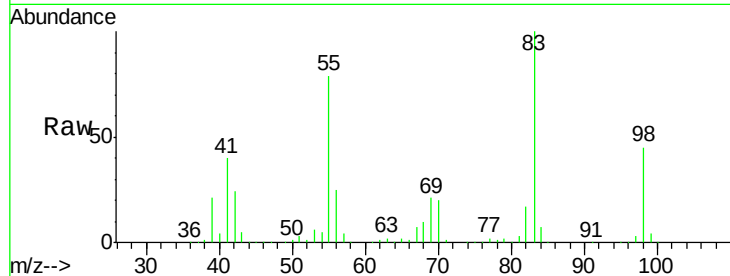
#39
Methylvlcyclohexane
Concen: 170.082 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83.00	Resp	504373
Ion	Ratio	Lower	Upper
83	100		
55	79.2	63.3	94.9
98	45.5	34.2	51.4

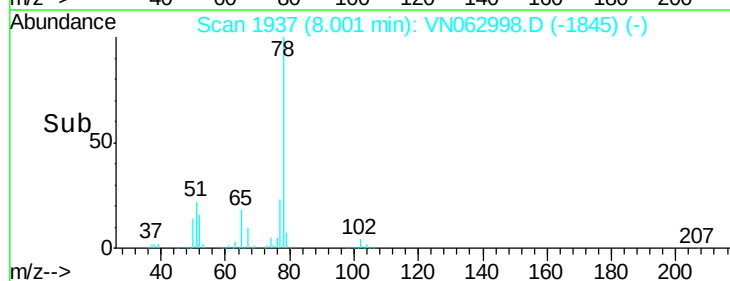
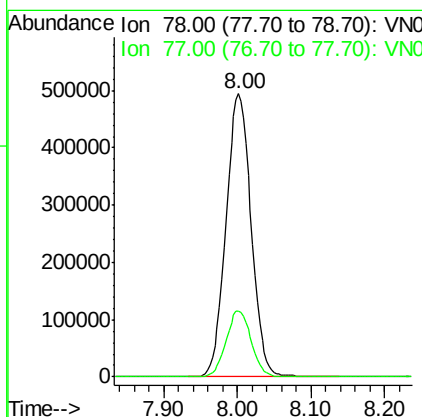
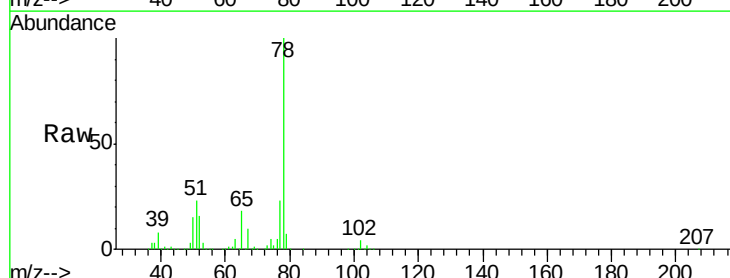
Manual Integrations
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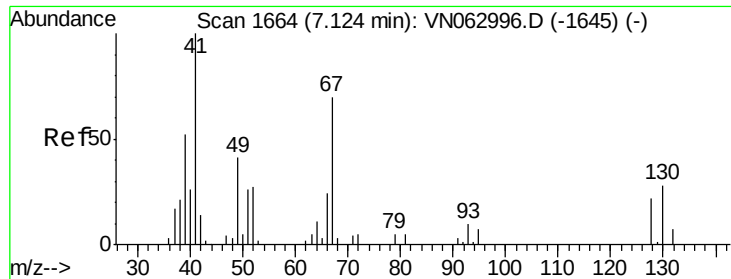
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#40
Benzene
Concen: 147.012 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	78.00	Resp	1170174
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





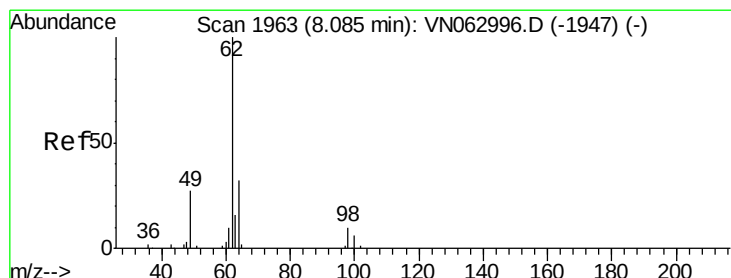
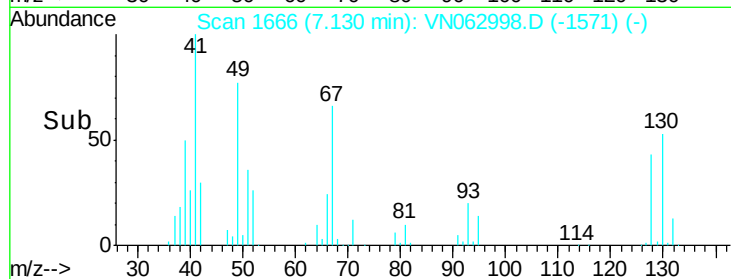
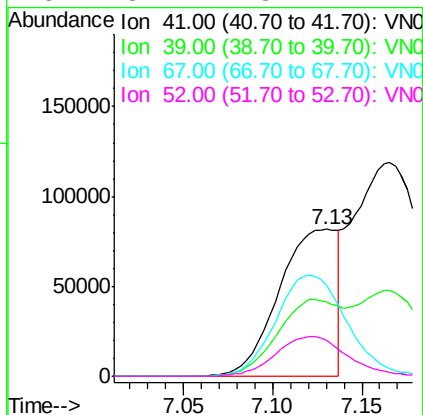
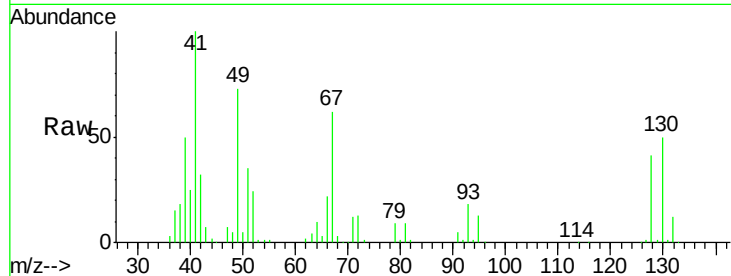
#41
Methacrylonitrile
Concen: 166.267 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.8	41.6	62.4
67	84.0	71.8	107.8
52	32.7	28.2	42.4

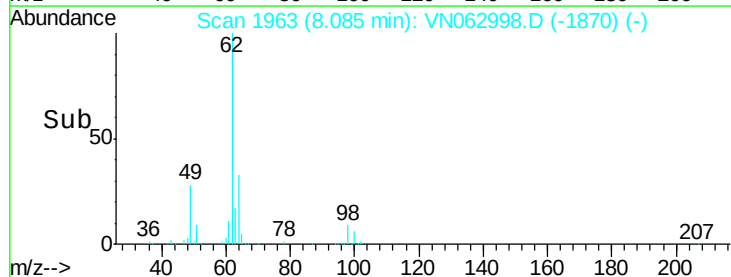
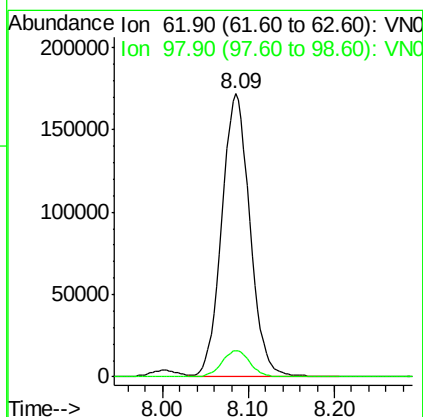
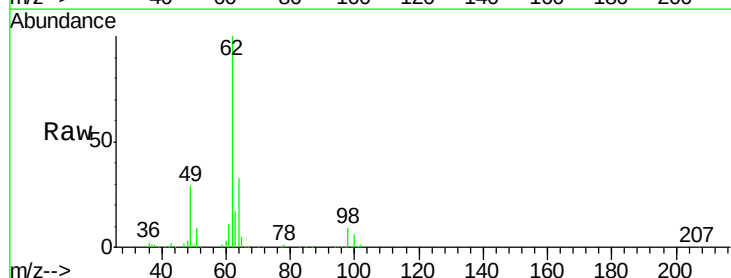
Manual Integrations
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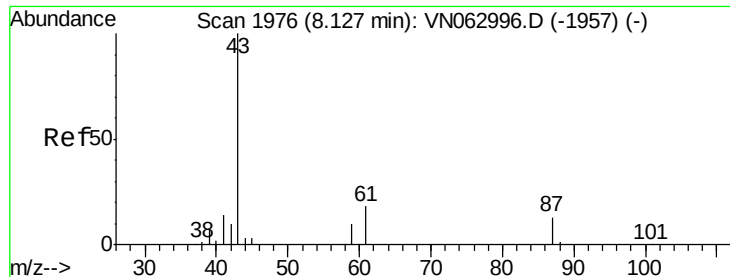
MMDadoda
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#42
1,2-Dichloroethane
Concen: 146.227 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 155.012 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

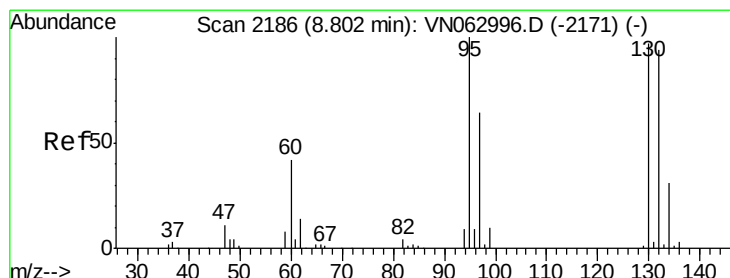
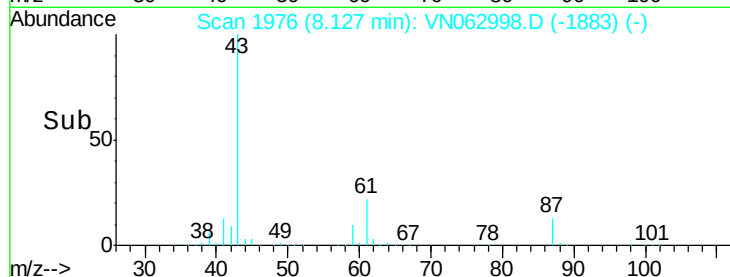
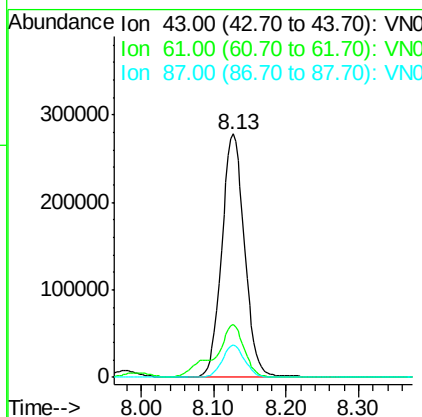
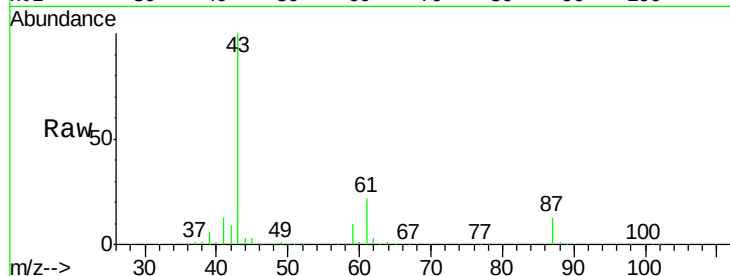
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	603903
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.6	33.8
87	13.2	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 146.434 ug/l

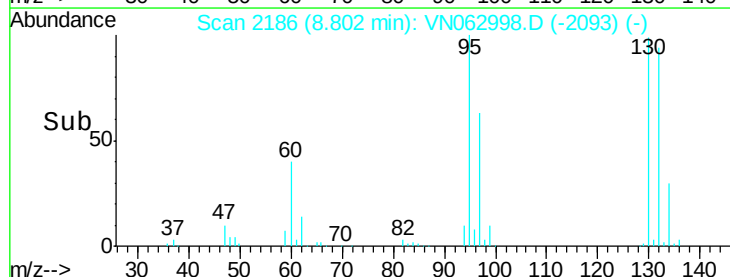
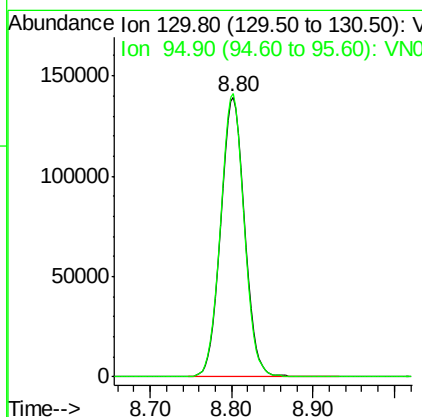
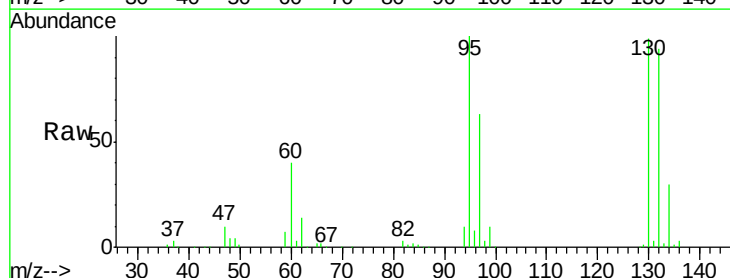
RT: 8.80 min Scan# 2186

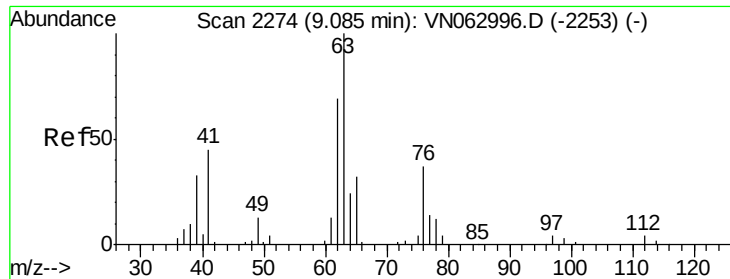
Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion:	130	Resp:	289931
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.6





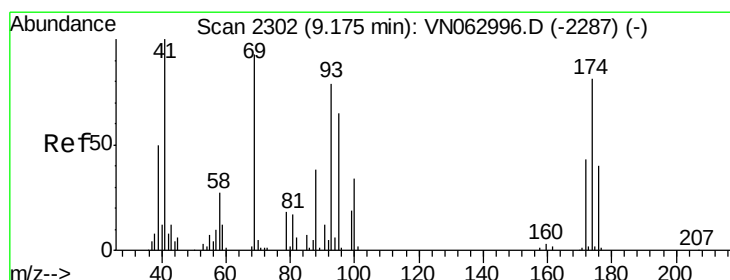
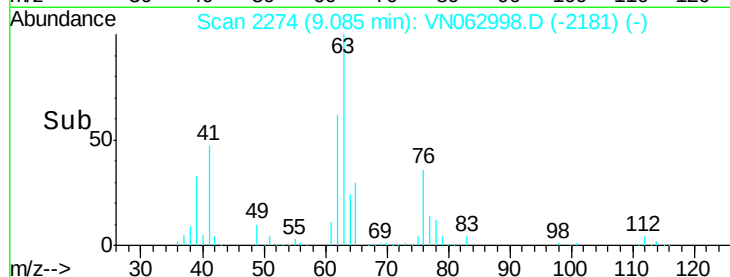
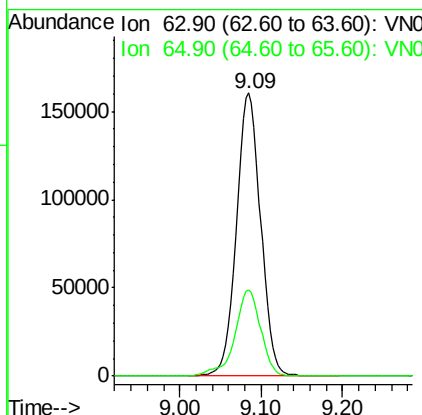
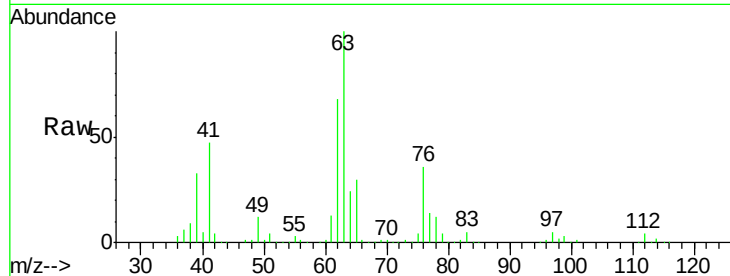
#45
 1,2-Dichloropropane
 Concen: 143.857 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.4	25.6	38.4	

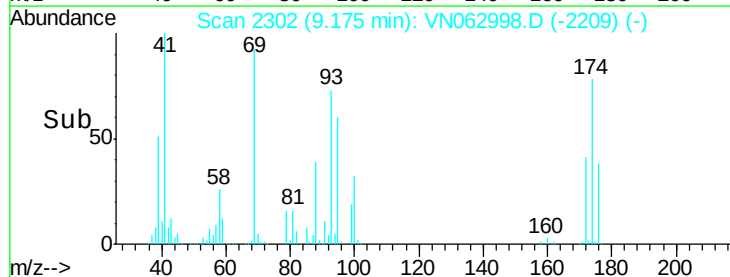
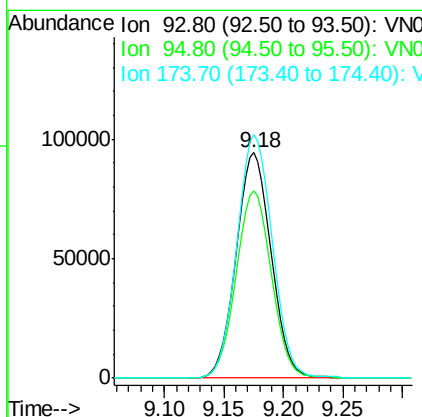
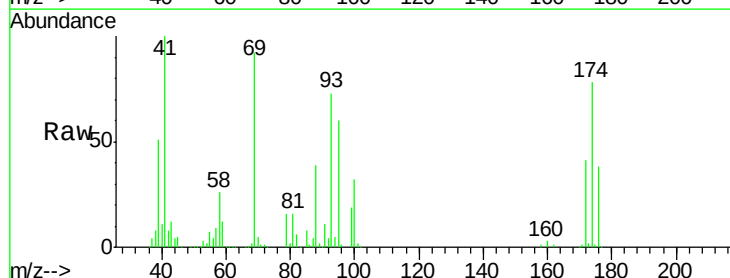
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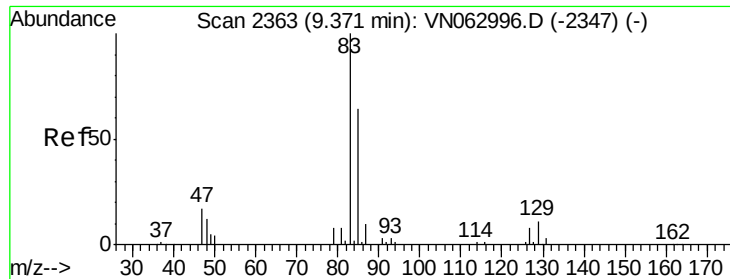
MMDadoda
 8/19/2020 5:46:19 PM



#46
 Dibromomethane
 Concen: 145.301 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	83.8	66.2	99.4	
174	109.2	84.6	127.0	





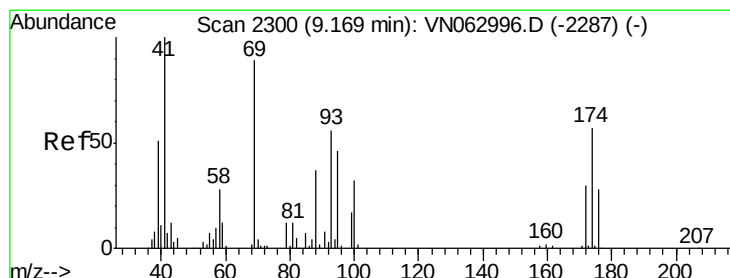
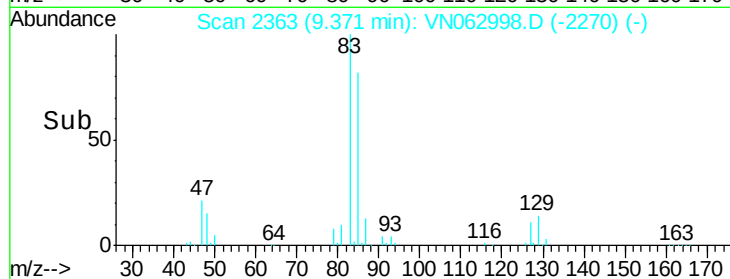
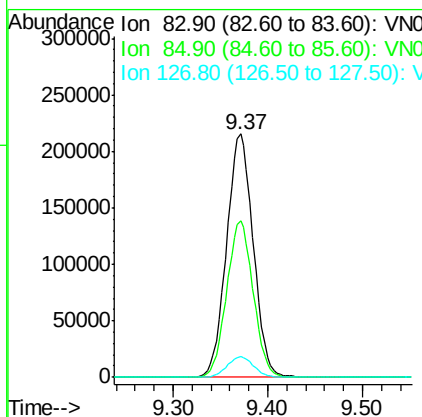
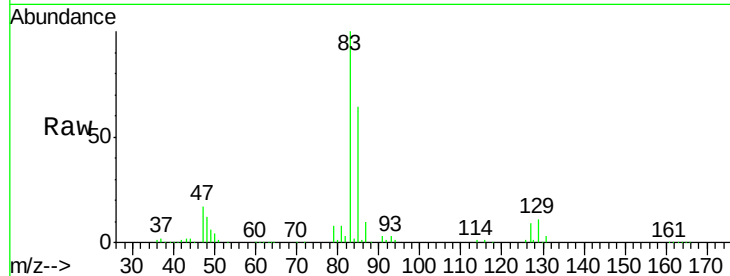
#47
Bromodichloromethane
Concen: 144.612 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	83	Resp:	420996
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.1	76.7
127	8.5	6.6	9.8

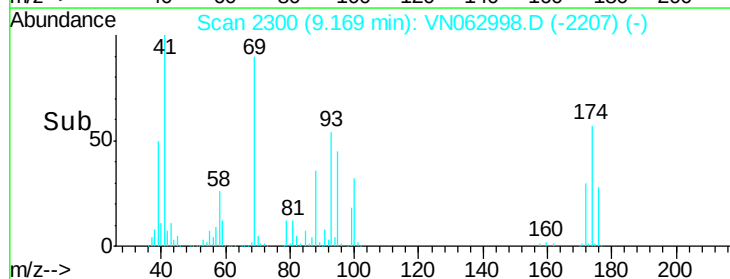
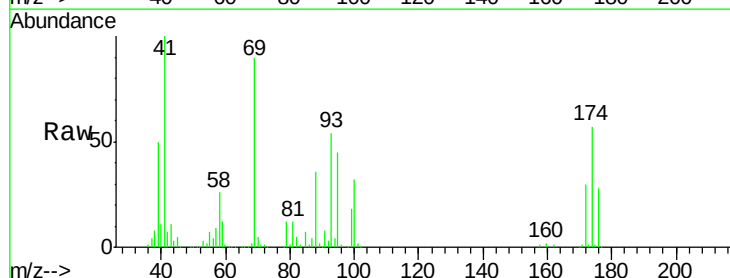
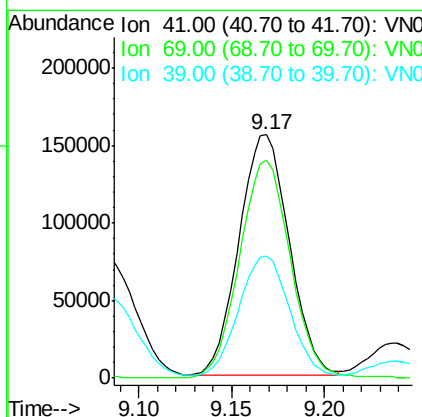
Manual Integrations
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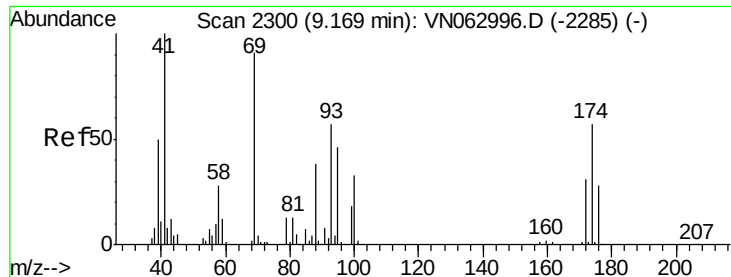
MMDadoda
8/19/2020 5:46:19 PM



#48
Methyl methacrylate
Concen: 158.585 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion:	41	Resp:	292322
Ion Ratio	Lower	Upper	
41	100		
69	91.8	74.2	111.4
39	51.8	42.5	63.7





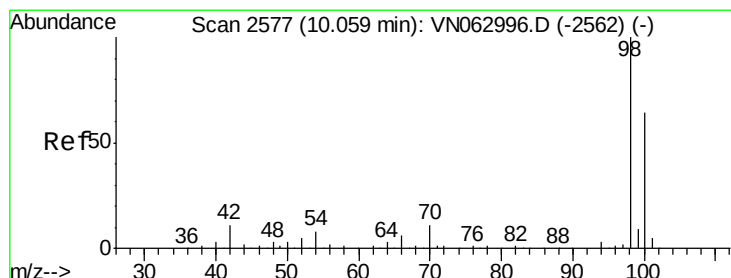
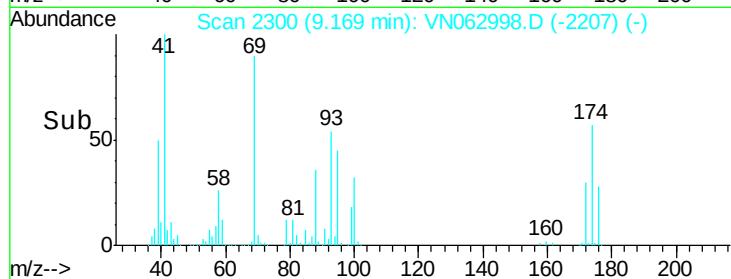
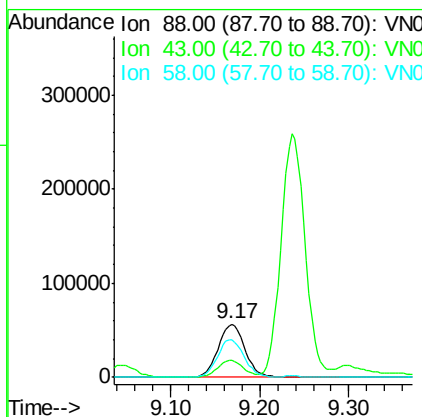
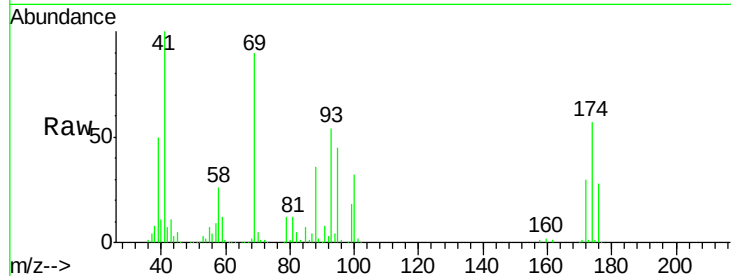
#49
1,4-Dioxane
Concen: 3279.664 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	25.2	37.8
58	70.4	56.7	85.1

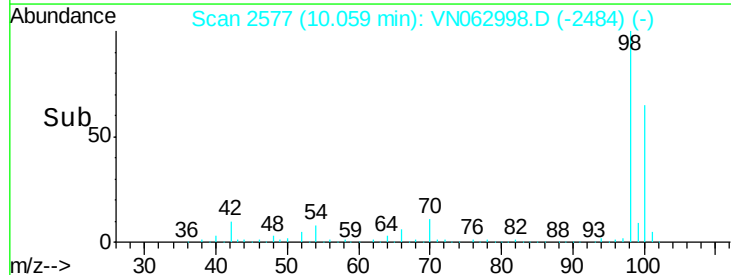
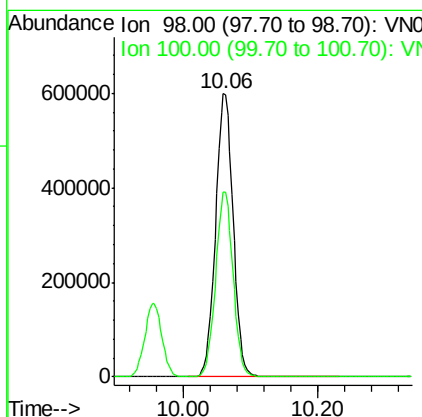
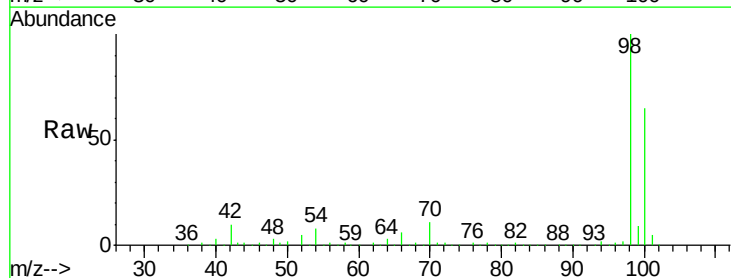
Manual Integrations
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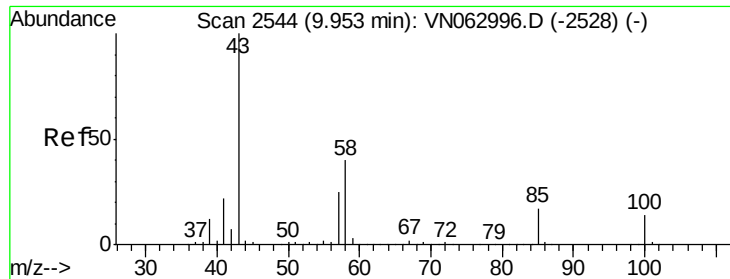
MMDadoda
8/19/2020 5:46:19 PM



#50
Toluene-d8
Concen: 153.286 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 752.548 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1853160

Ion Ratio Lower Upper

43 100

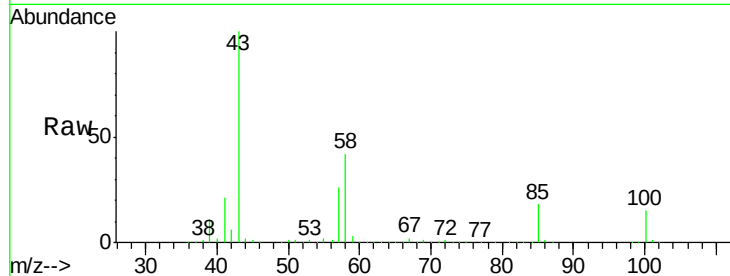
58 41.3 32.2 48.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN062998.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062998.D (-2528) (-)

1200000

1000000

800000

600000

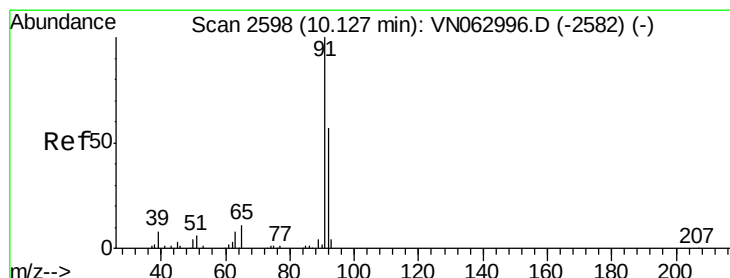
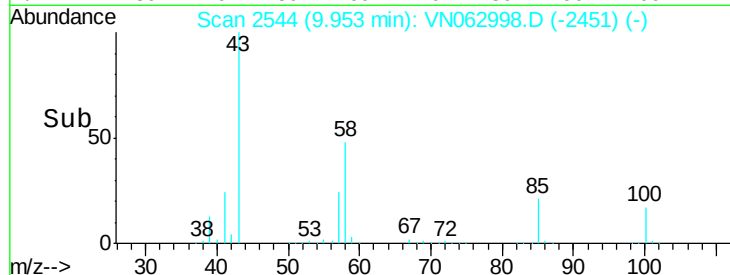
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 154.150 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062998.D

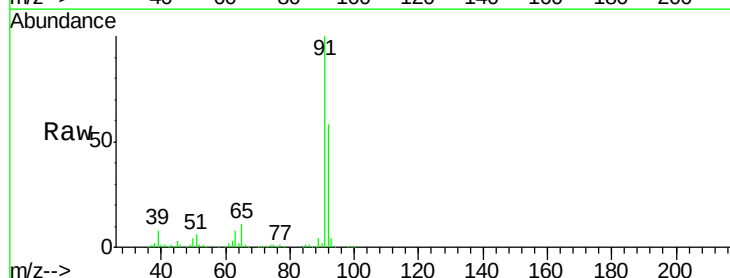
Acq: 18 Aug 2020 20:42

Tgt Ion: 92 Resp: 740170

Ion Ratio Lower Upper

92 100

91 172.6 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062998.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VN062998.D (-2505) (-)

800000

600000

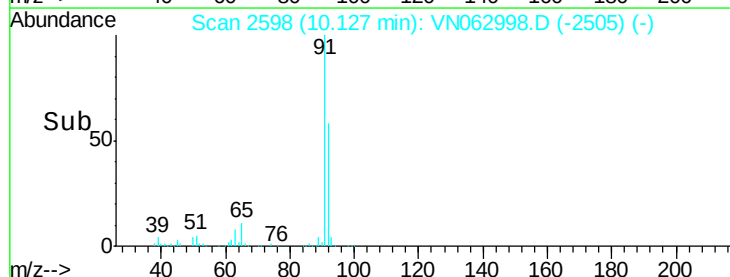
400000

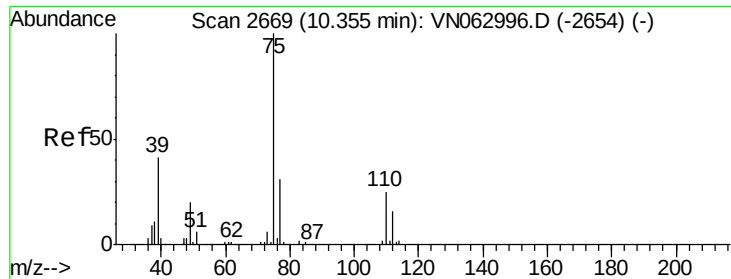
200000

0

10.10 10.13 10.20

Time-->





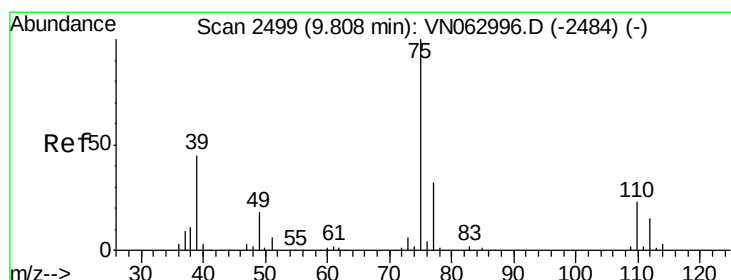
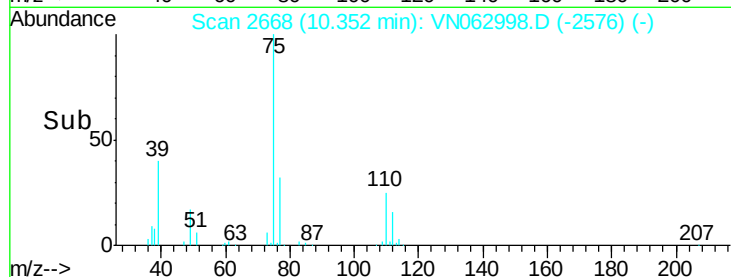
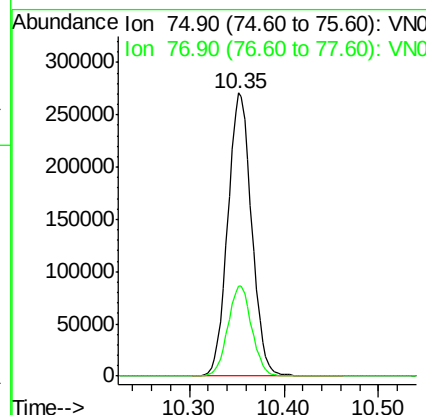
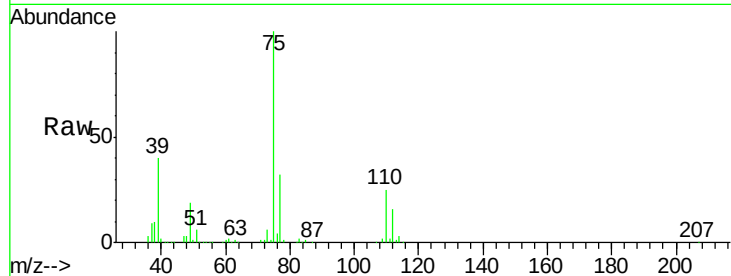
#53
 t-1,3-Dichloropropene
 Concen: 157.904 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 475376
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0

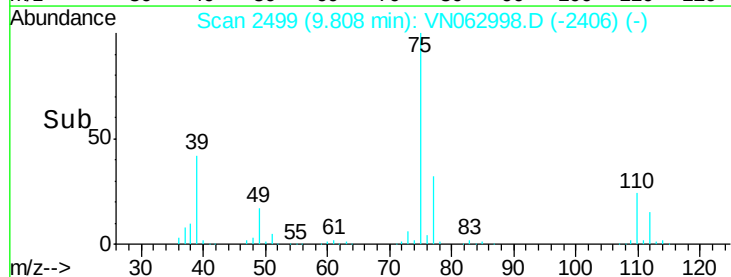
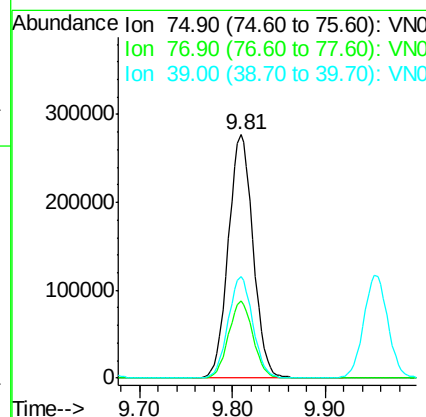
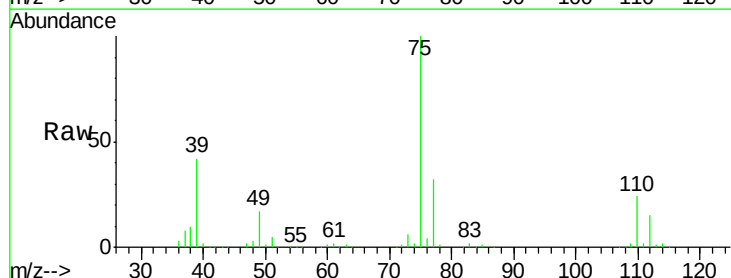
Manual Integrations
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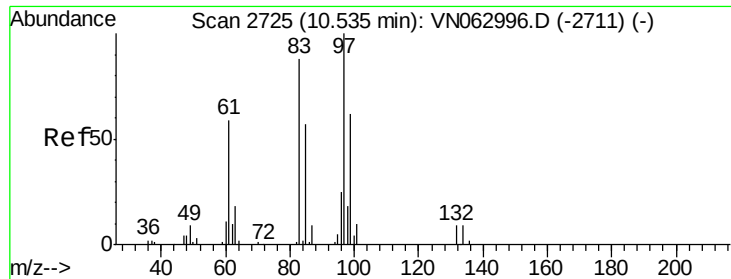
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 154.970 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion: 75 Resp: 511794
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2
 39 41.6 35.7 53.5





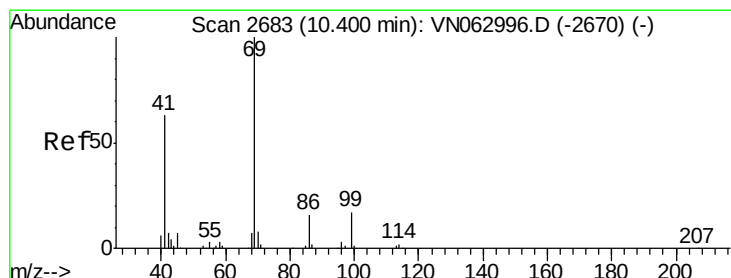
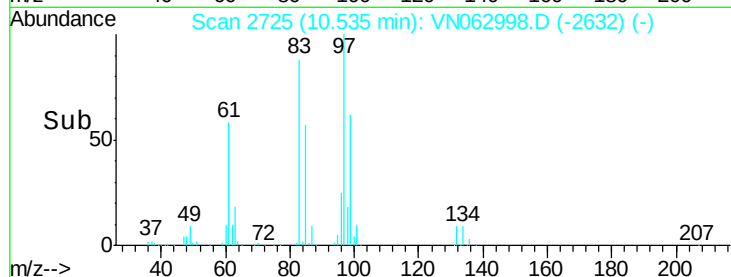
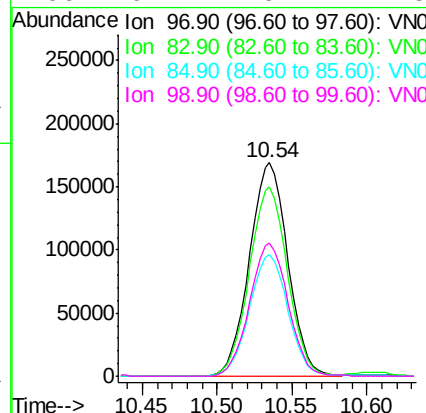
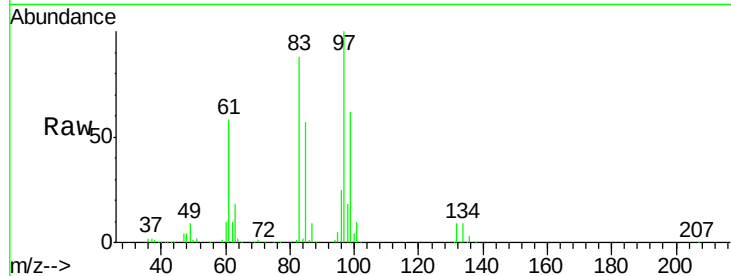
#55
 1,1,2-Trichloroethane
 Concen: 147.442 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	302714
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	57.2	45.8	68.6
99	62.4	49.7	74.5

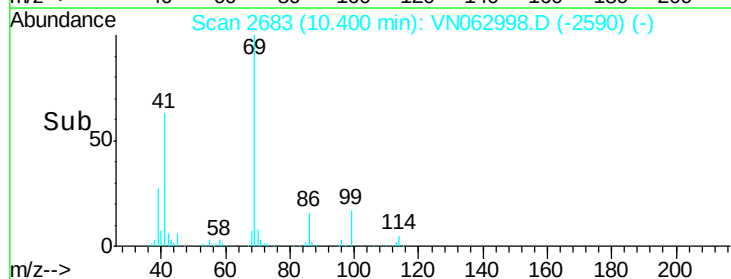
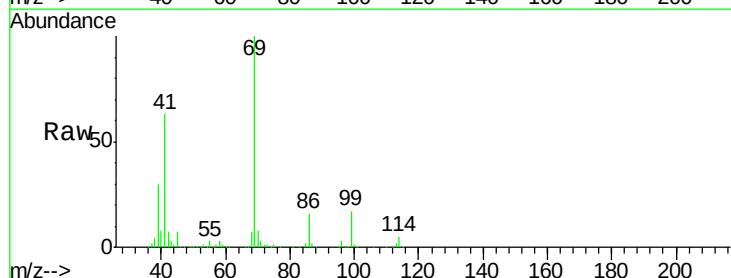
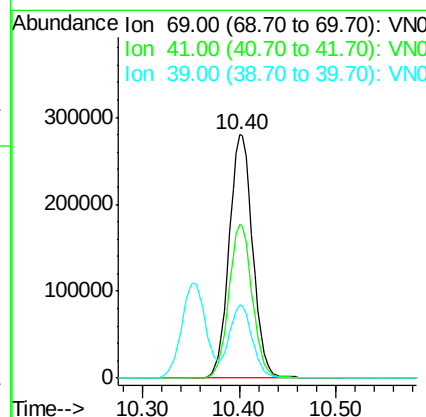
Manual Integrations
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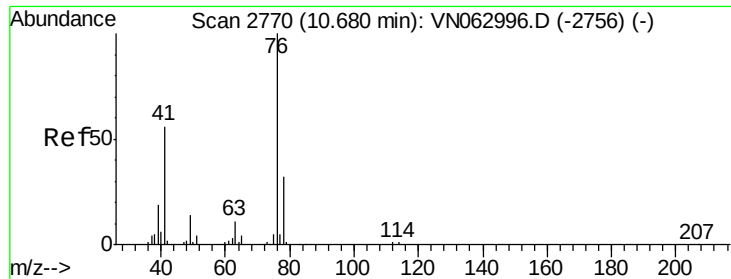
MMDadoda
 8/19/2020 5:46:19 PM



#56
 Ethyl methacrylate
 Concen: 170.522 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion:	69	Resp:	472764
Ion	Ratio	Lower	Upper
69	100		
41	62.0	50.2	75.2
39	29.8	24.2	36.4





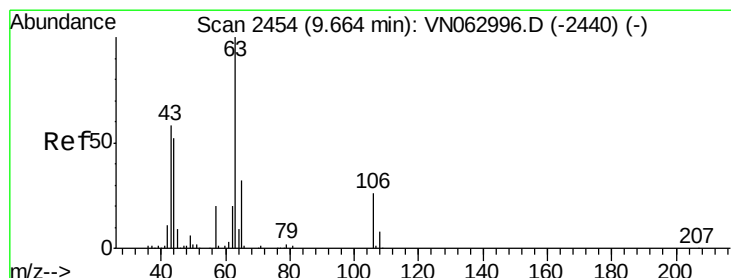
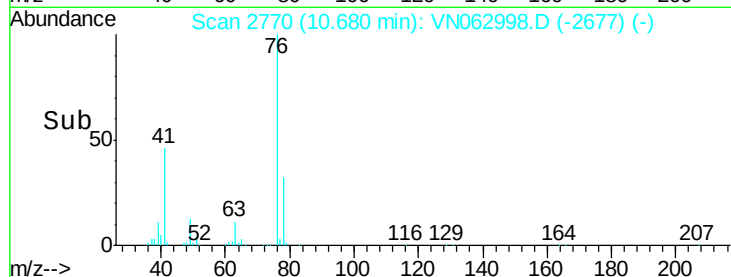
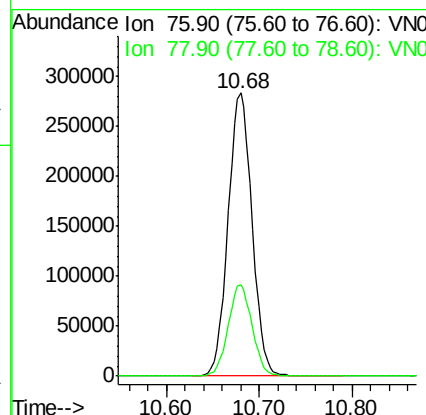
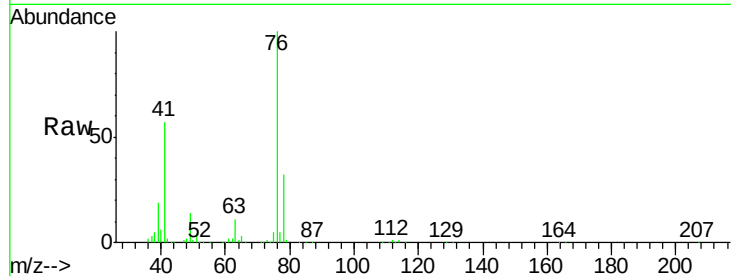
#57
 1,3-Dichloropropane
 Concen: 148.843 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

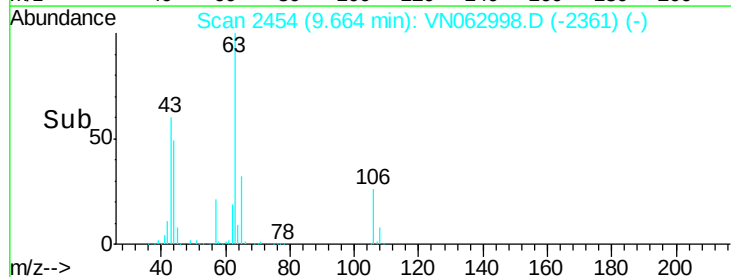
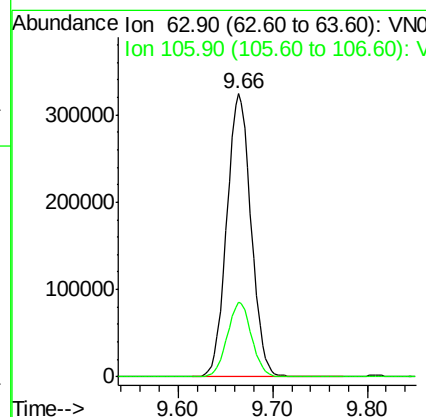
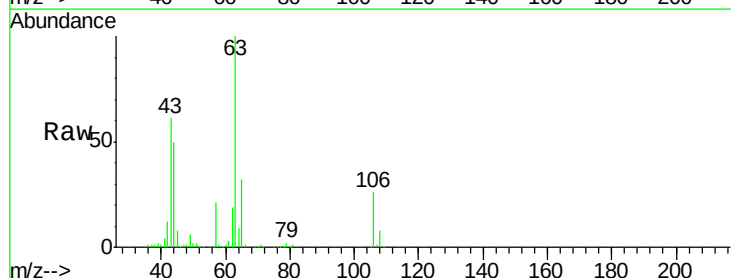
Manual Integrations
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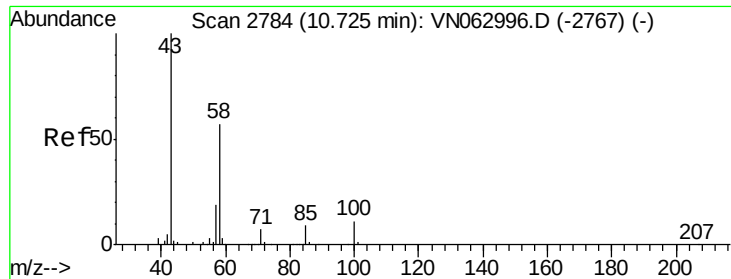
MMDadoda
 8/19/2020 5:46:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 869.745 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	20.7	31.1





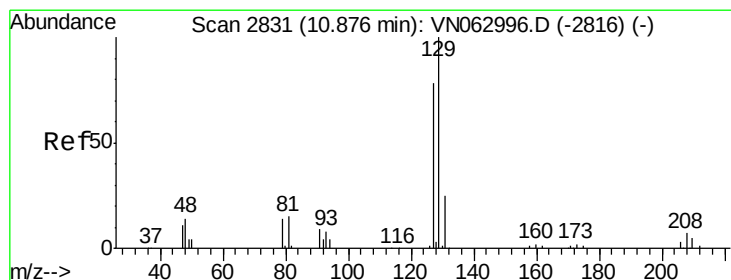
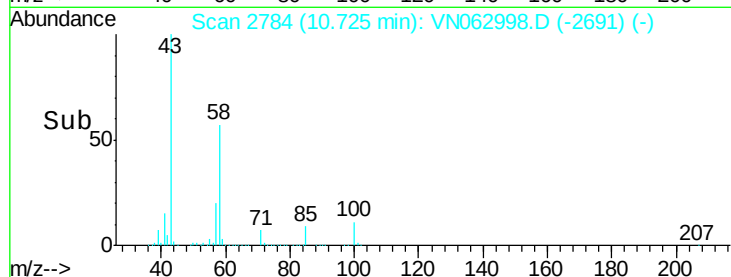
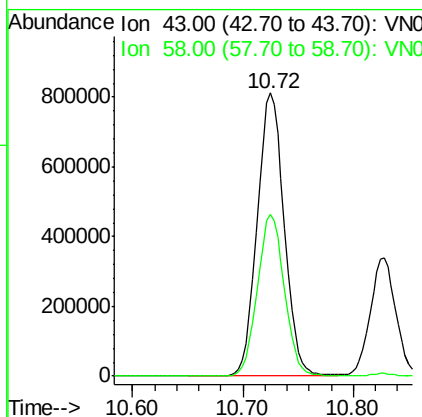
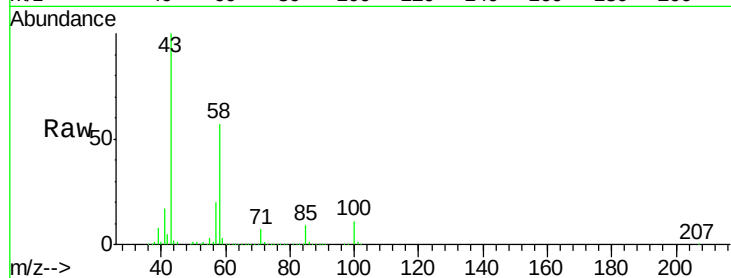
#59
2-Hexanone
Concen: 800.431 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1374873
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3

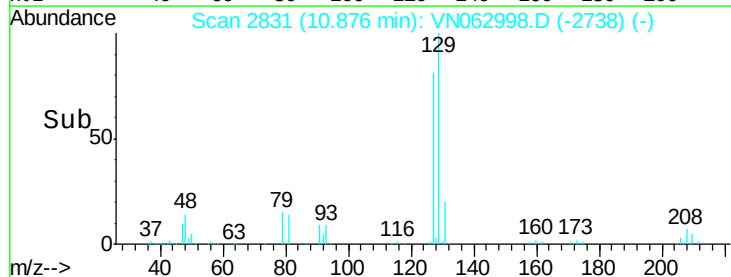
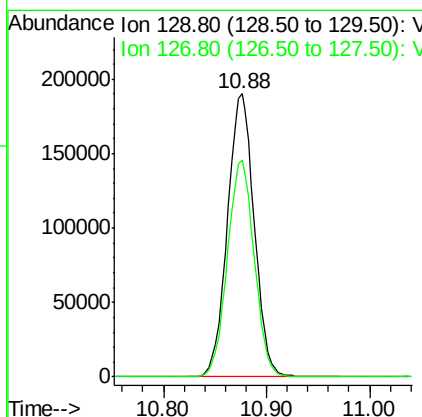
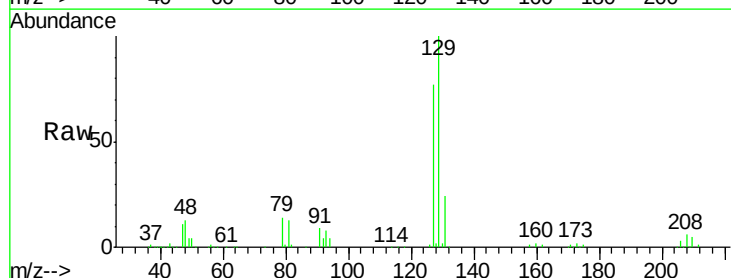
Manual Integrations
APPROVED

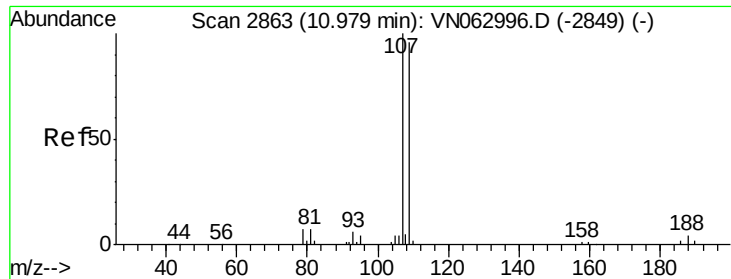
MMDadoda
8/19/2020 5:46:19 PM



#60
Dibromochloromethane
Concen: 151.199 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 129 Resp: 343541
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





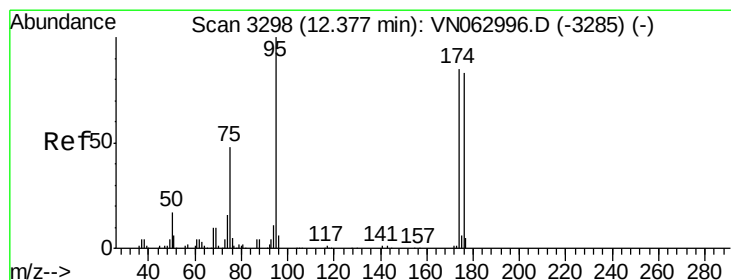
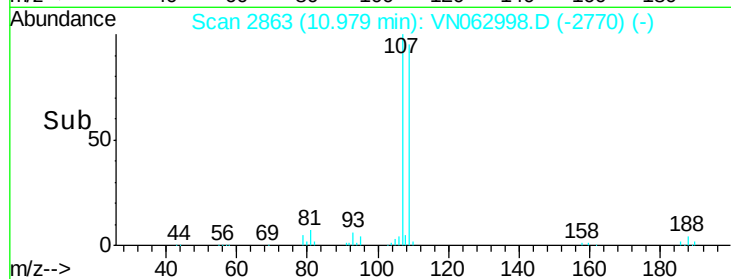
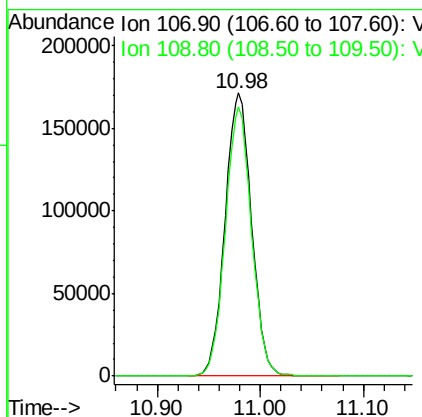
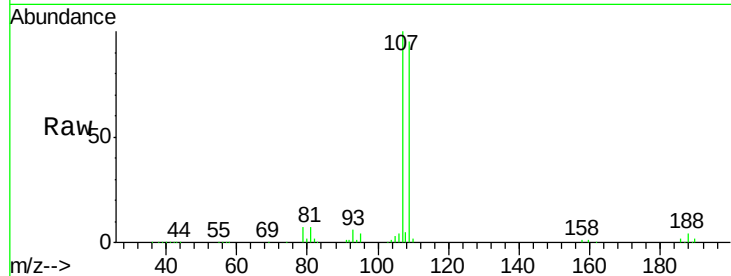
#61
 1,2-Dibromoethane
 Concen: 155.486 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	306738		
109	94.2	75.7	113.5	

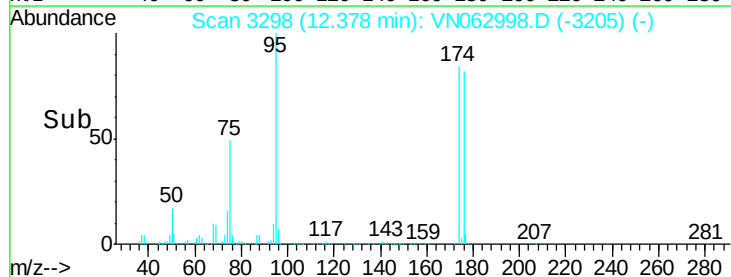
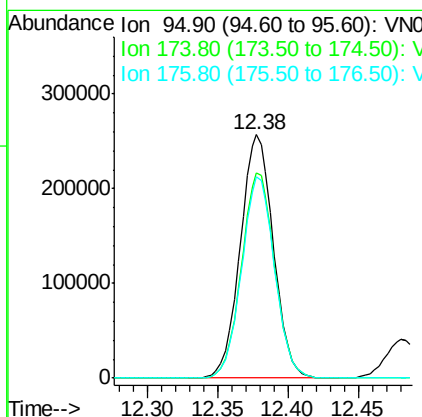
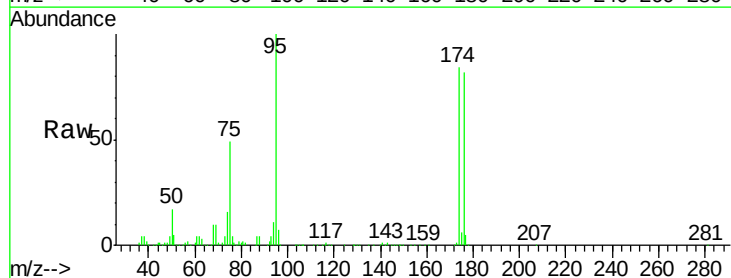
Manual Integrations
 APPROVED

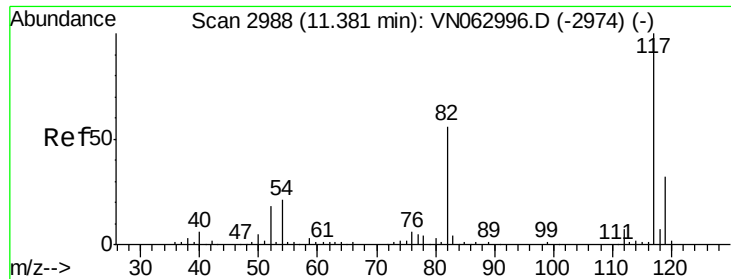
MMDadoda
 8/19/2020 5:46:19 PM



#62
 4-Bromofluorobenzene
 Concen: 167.744 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	421913		
174	84.7	0.0	170.8	
176	82.6	0.0	164.8	





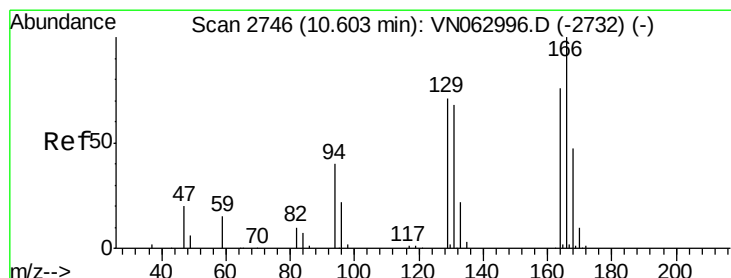
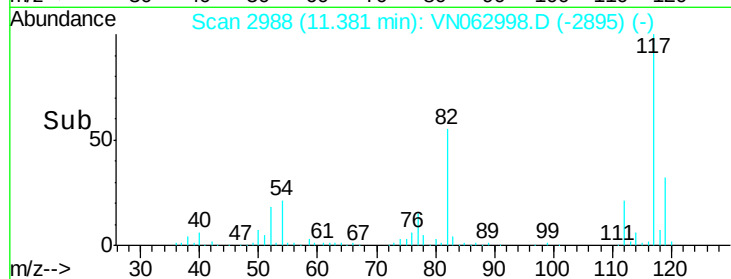
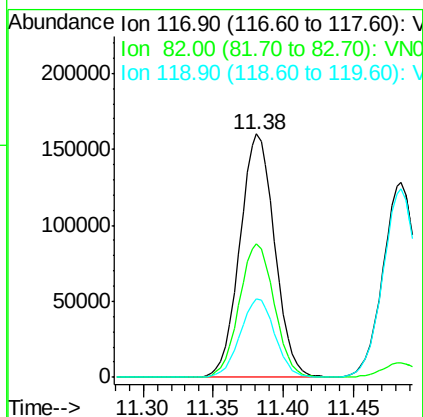
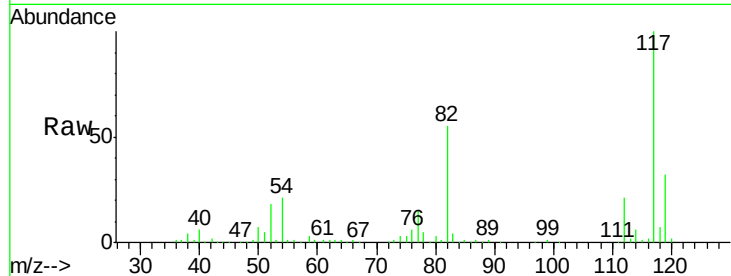
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.5	66.7
119	32.2	25.5	38.3

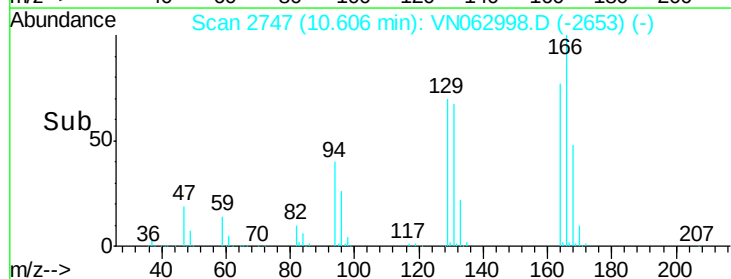
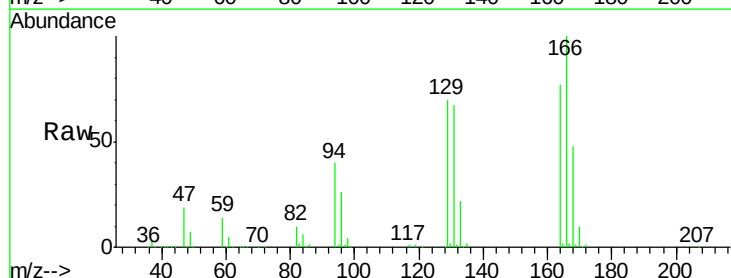
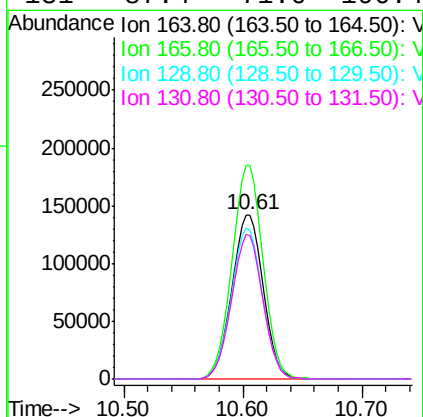
Manual Integrations
APPROVED

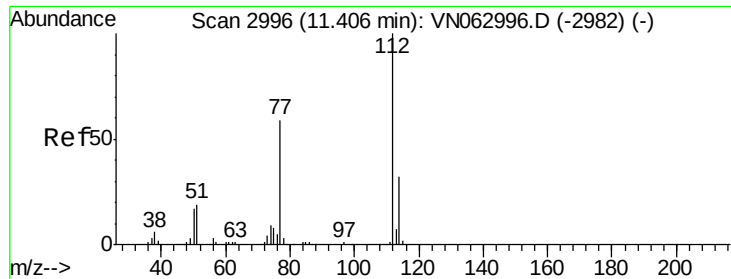
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#64
Tetrachloroethene
Concen: 142.119 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	105.0	157.6
129	90.5	74.7	112.1
131	87.4	71.0	106.4





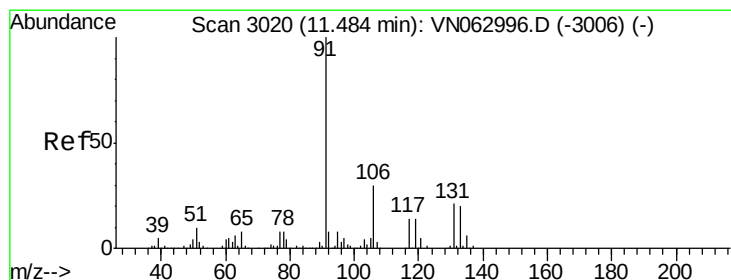
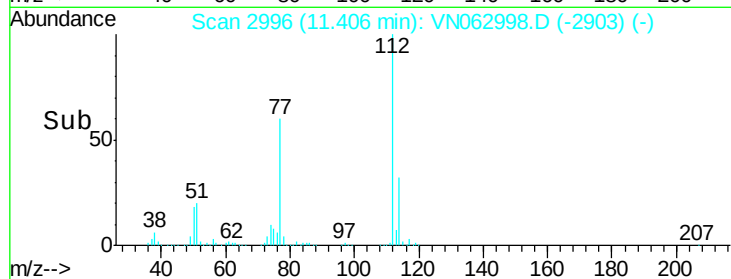
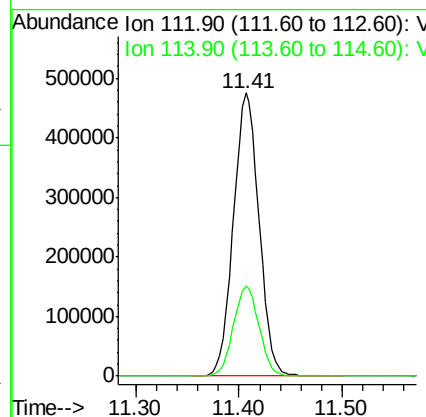
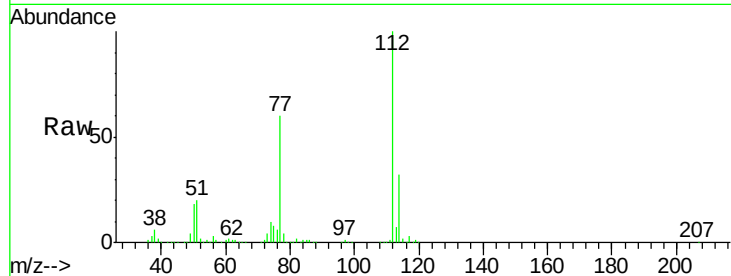
#65
Chlorobenzene
Concen: 147.807 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9

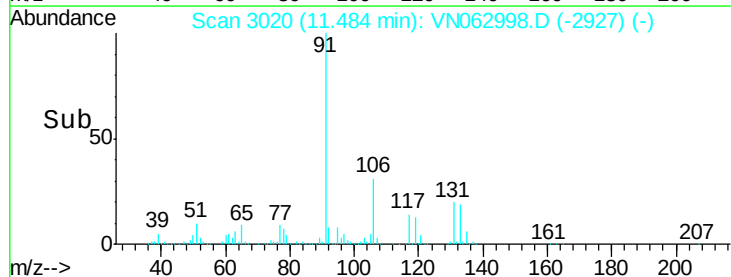
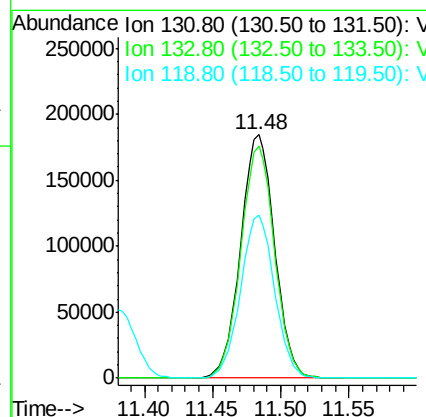
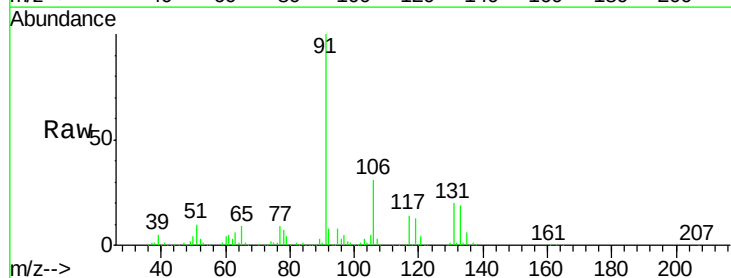
Manual Integrations
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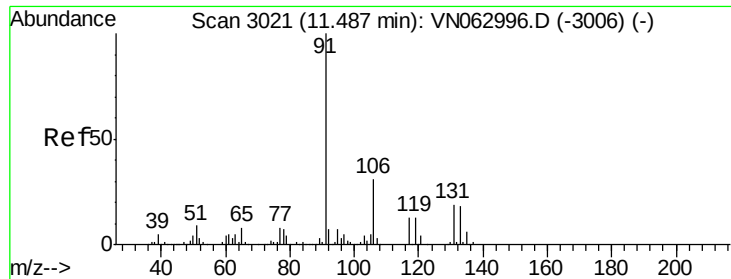
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#66
1,1,1,2-Tetrachloroethane
Concen: 147.325 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.5	142.6
119	67.0	33.1	99.3





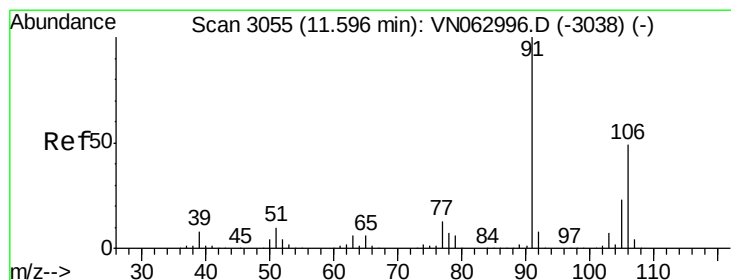
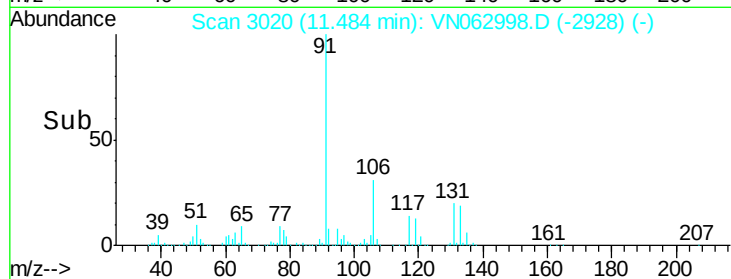
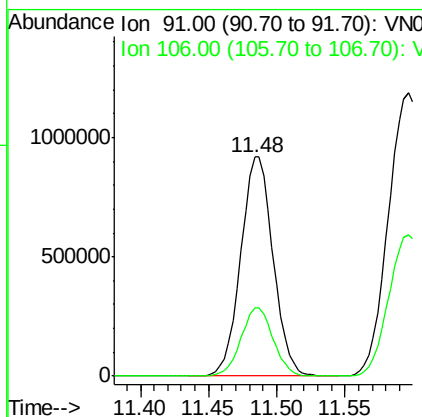
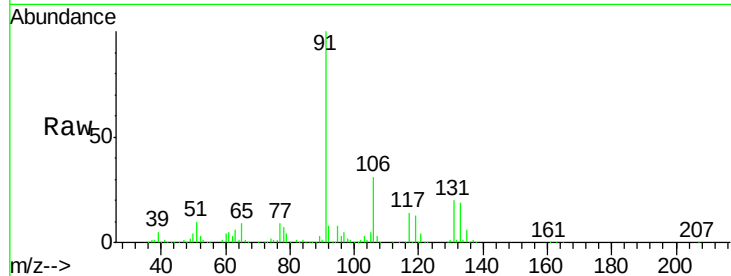
#67
Ethyl Benzene
Concen: 160.715 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1511938
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

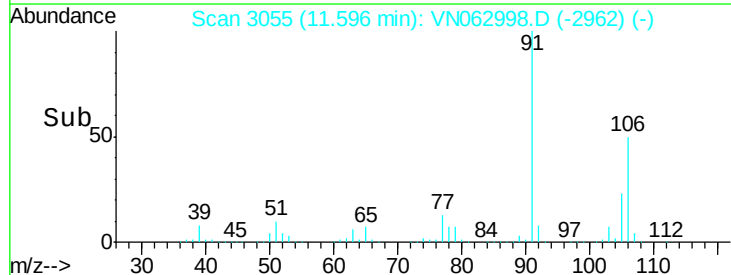
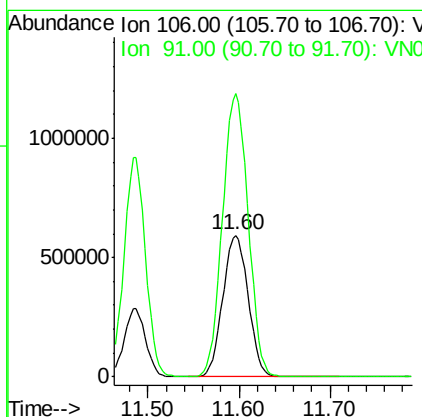
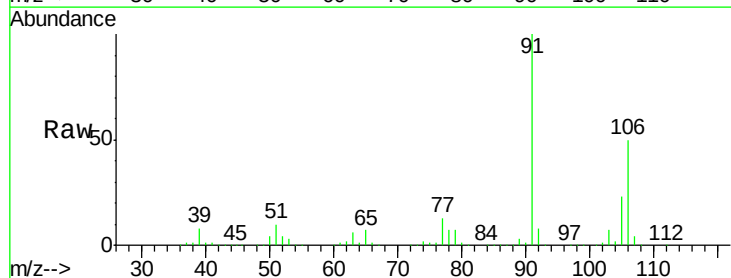
Manual Integrations
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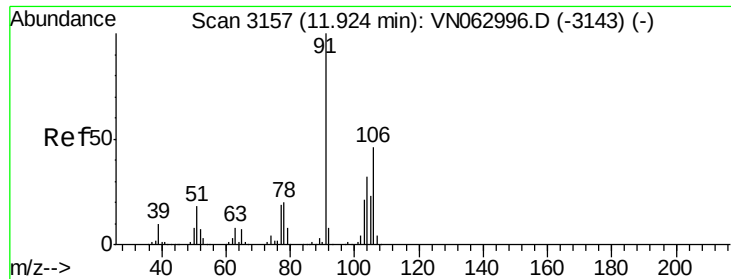
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#68
m/p-Xylenes
Concen: 329.892 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion: 106 Resp: 1153466
Ion Ratio Lower Upper
106 100
91 201.6 163.0 244.4





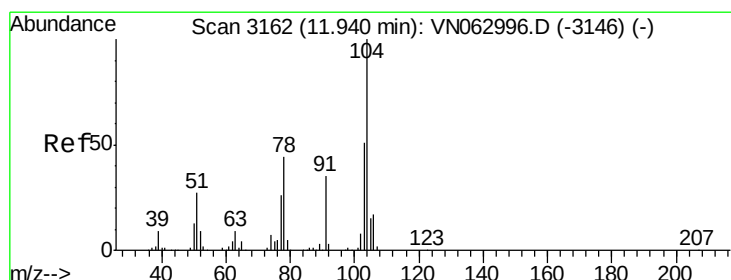
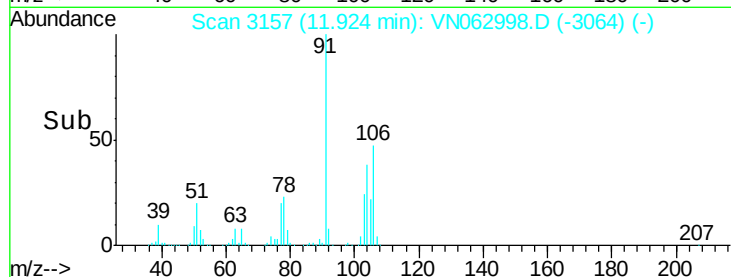
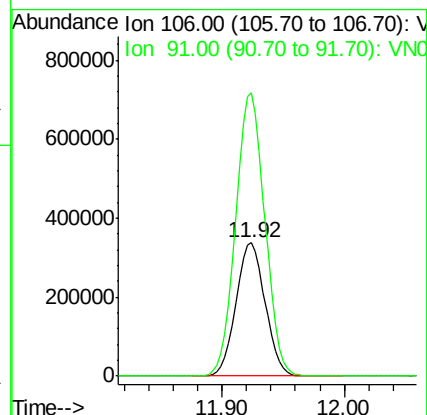
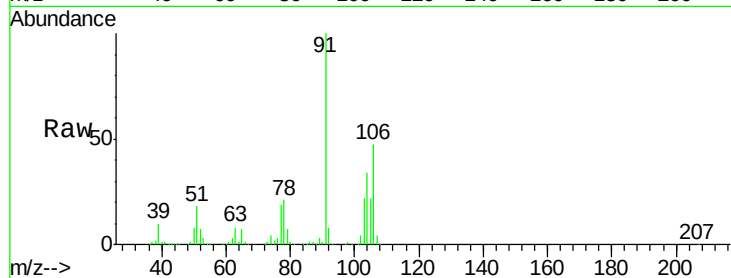
#69
o-Xylene
Concen: 166.943 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
106	100	560527		
91	213.3	107.3	321.9	

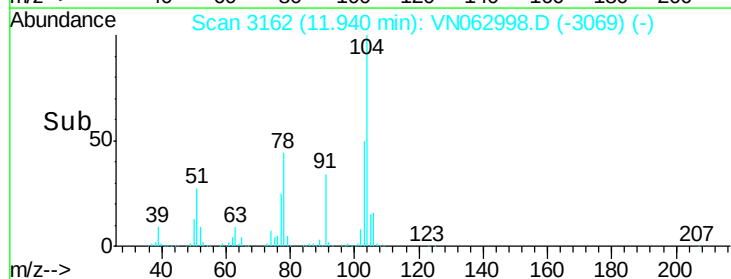
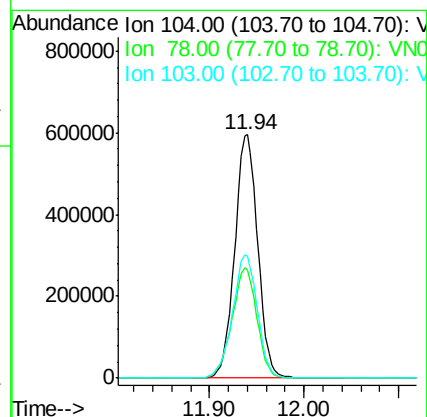
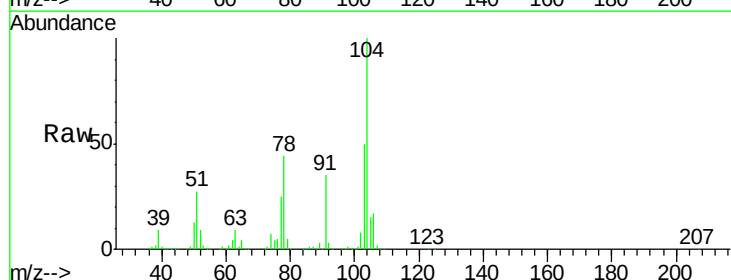
Manual Integrations
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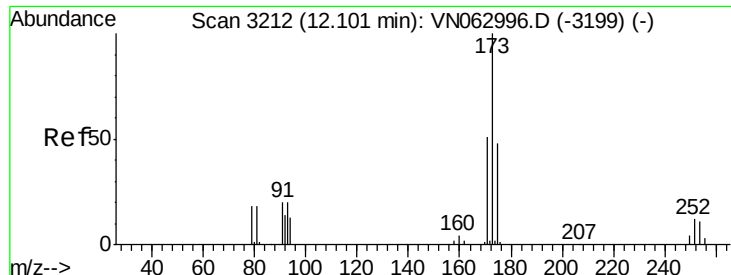
MMDadoda
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#70
Styrene
Concen: 174.361 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062998.D
Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1004707		
78	49.1	39.0	58.6	
103	54.7	44.3	66.5	





#71

Bromoform

Concen: 156.764 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:173 Resp: 270216

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

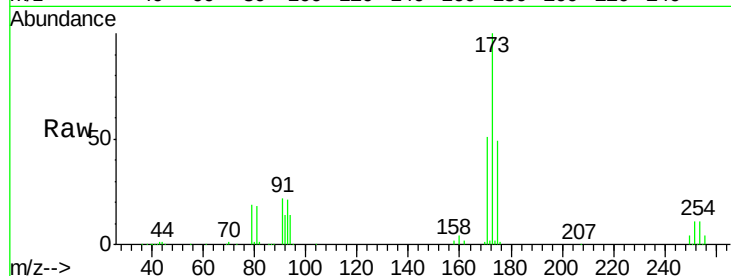
254 0.1 0.0 0.0#

Manual Integrations

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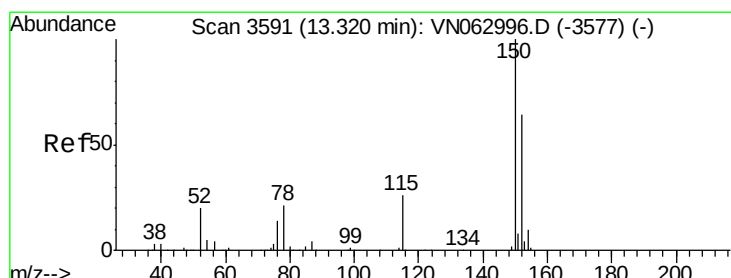
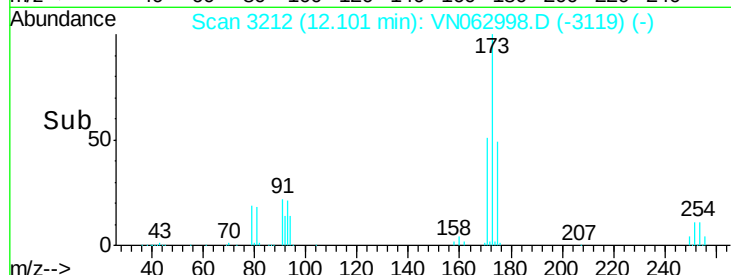
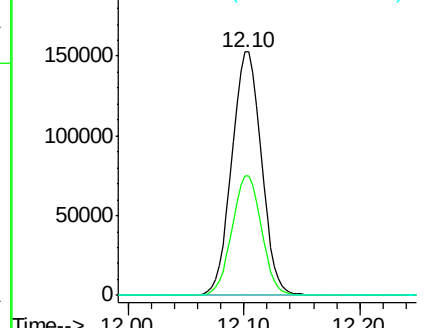
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

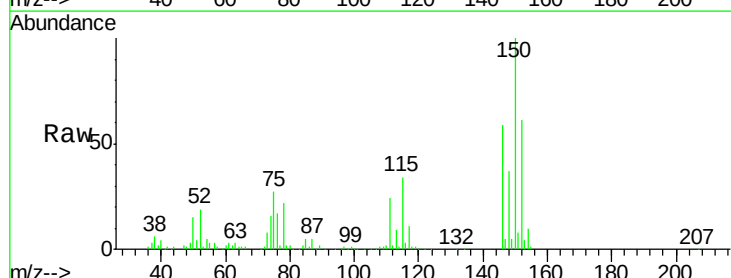
Tgt Ion:152 Resp: 148366

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

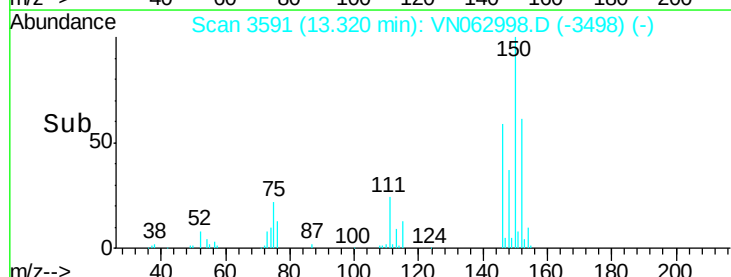
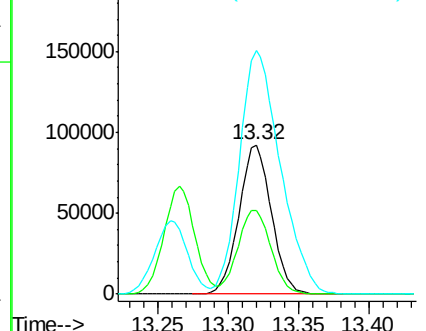
150 206.0 0.0 348.8

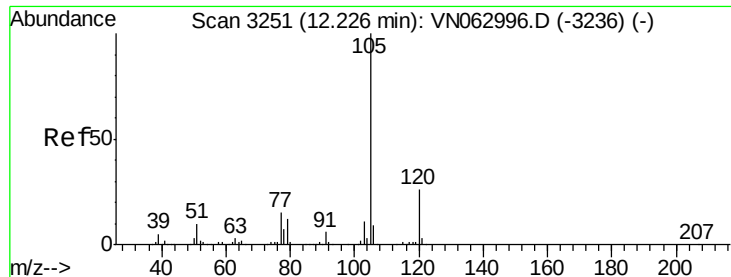


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 147.821 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1501880

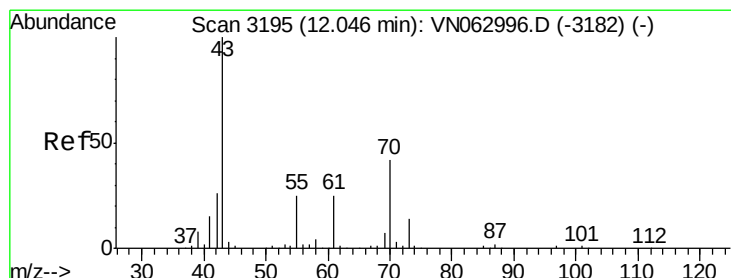
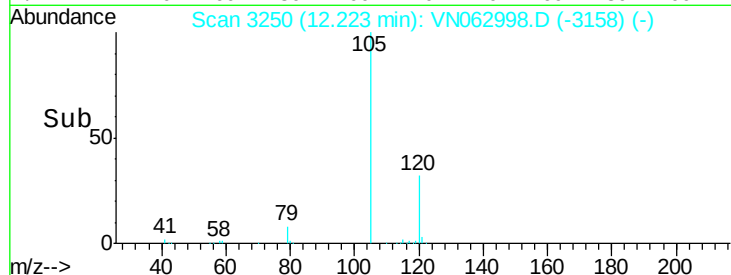
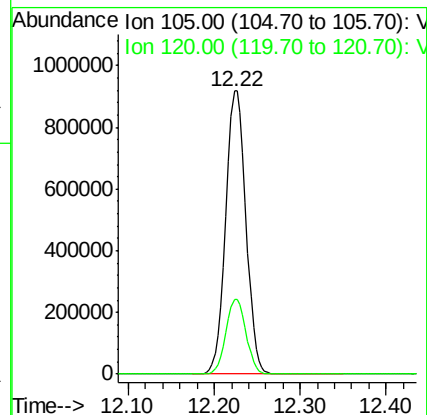
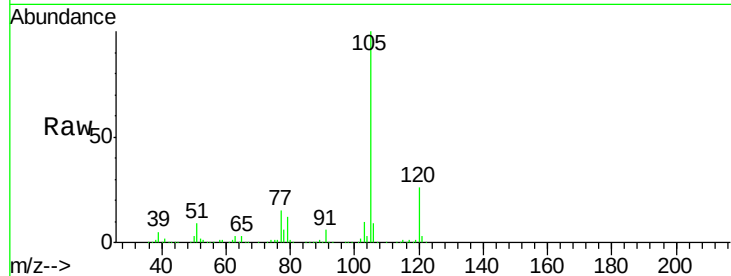
Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 164.342 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion: 43 Resp: 598015

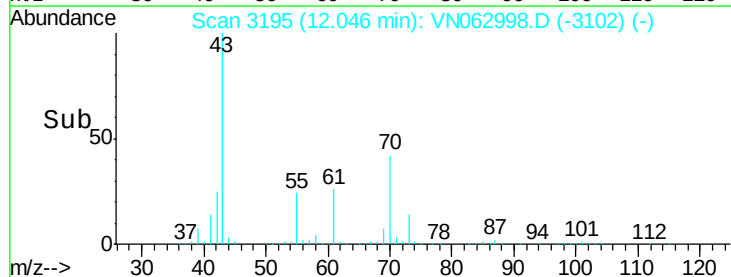
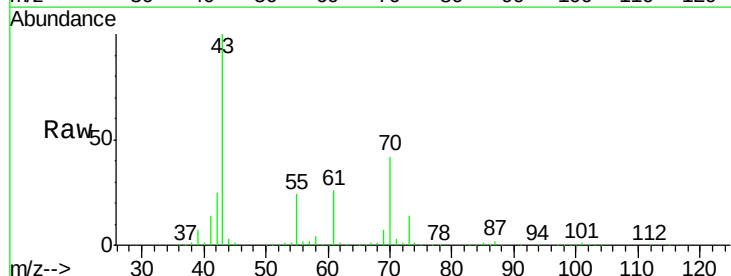
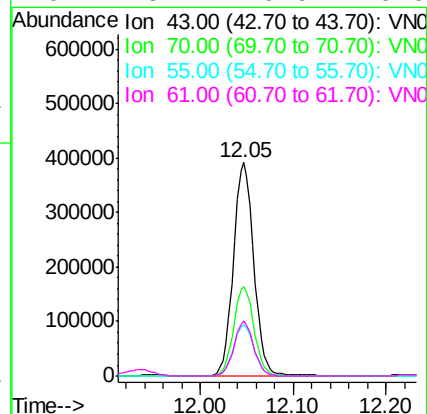
Ion Ratio Lower Upper

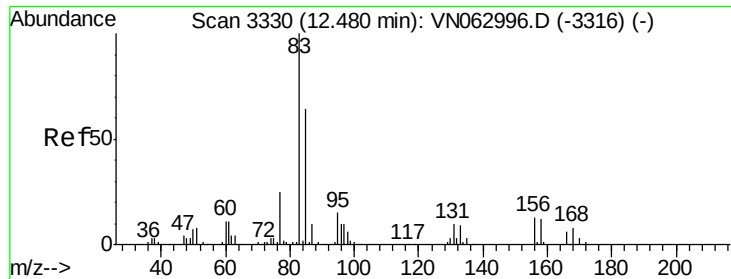
43 100

70 42.0 33.4 50.0

55 24.2 20.2 30.2

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 127.739 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

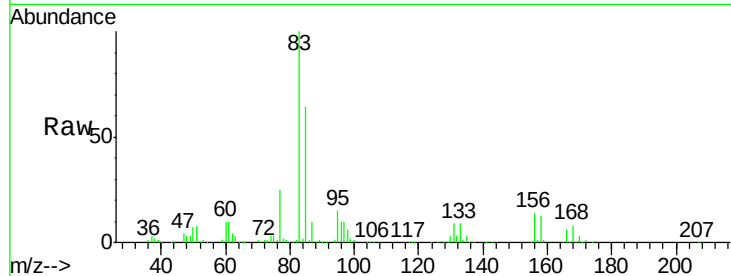
ClientSampled :

VSTDIC150

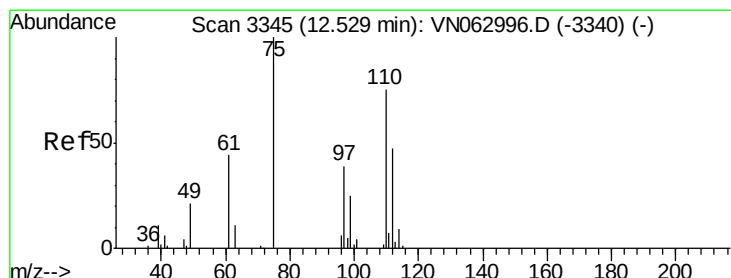
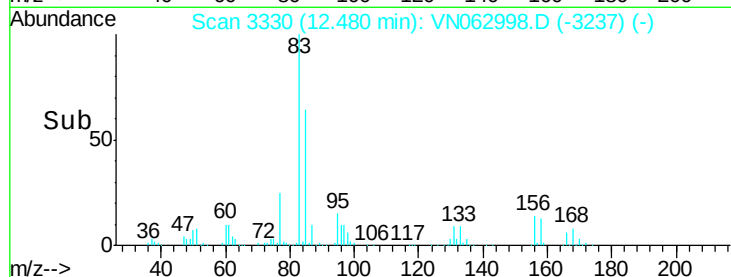
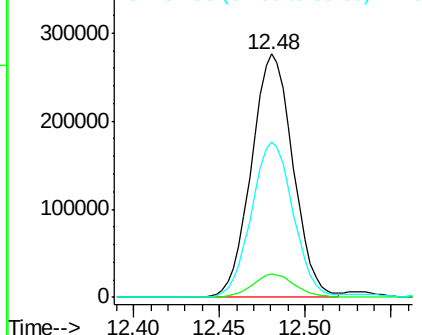
Tot Ion:	83	Resp:	463061
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.3	31.9	95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062998.D (-3316) (-)



#76

1,2,3-Trichloropropane

Concen: 138.485 ug/l m

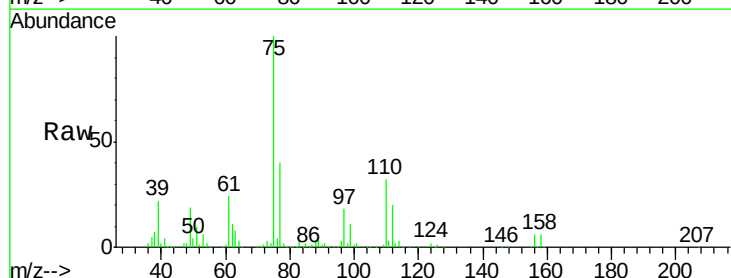
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

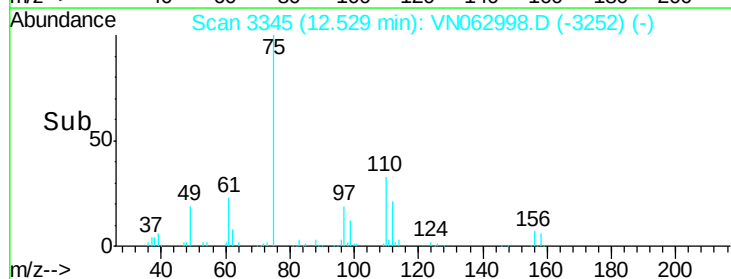
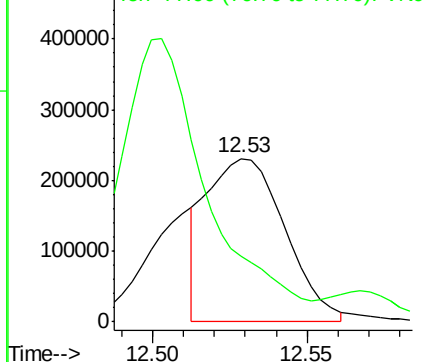
Lab File: VN062998.D

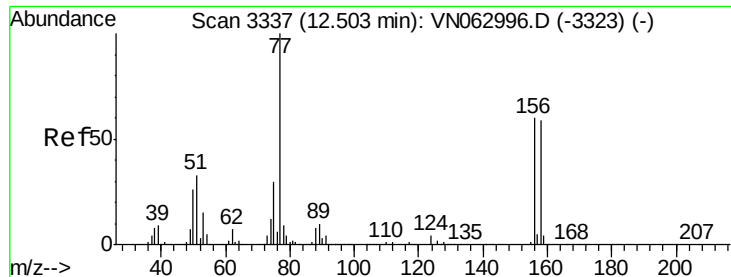
Acq: 18 Aug 2020 20:42

Tgt Ion:	75	Resp:	404669
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062998.D (-3340) (-)





#77

Bromobenzene

Concen: 140.844 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

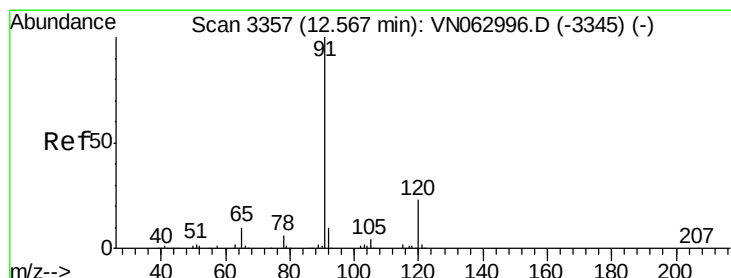
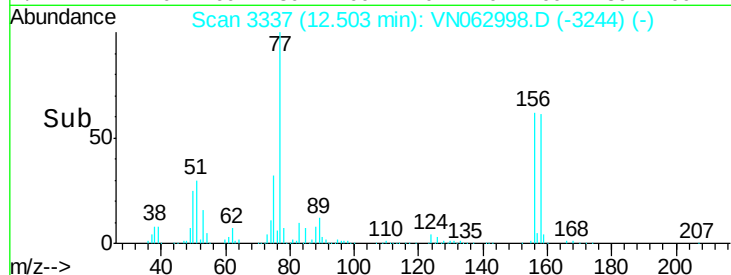
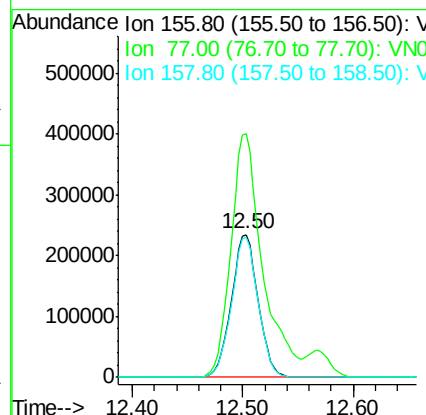
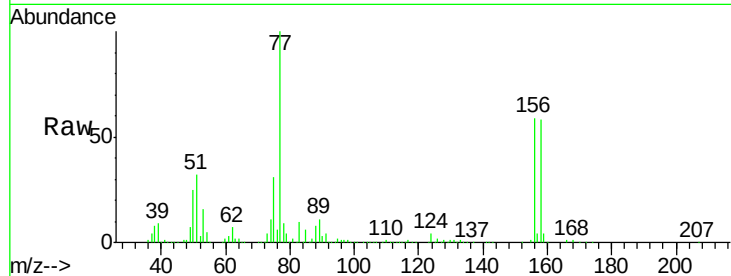
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	202.4	101.0	302.9
158	97.6	49.4	148.0

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#78

n-propylbenzene

Concen: 155.399 ug/l

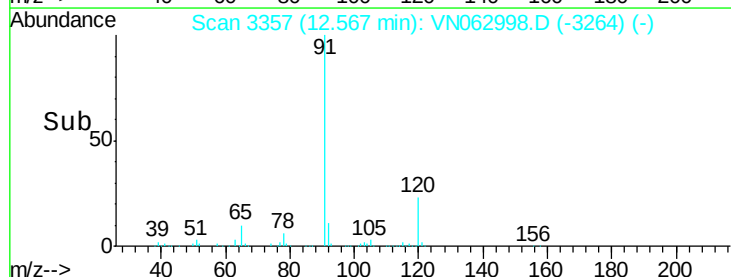
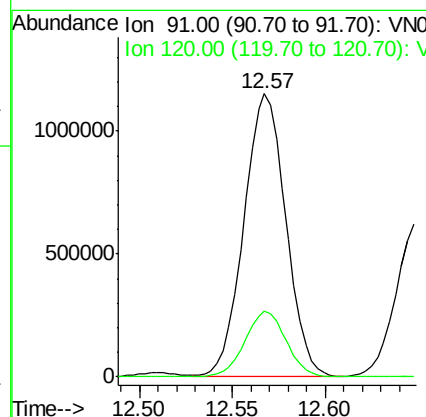
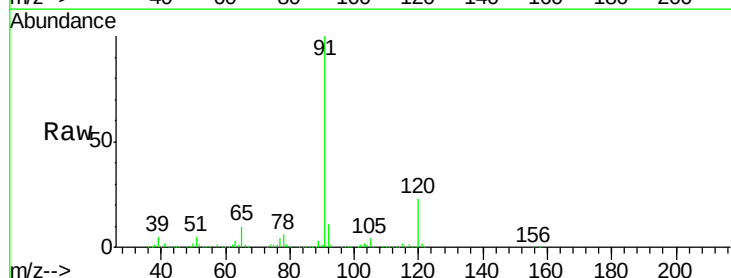
RT: 12.57 min Scan# 3357

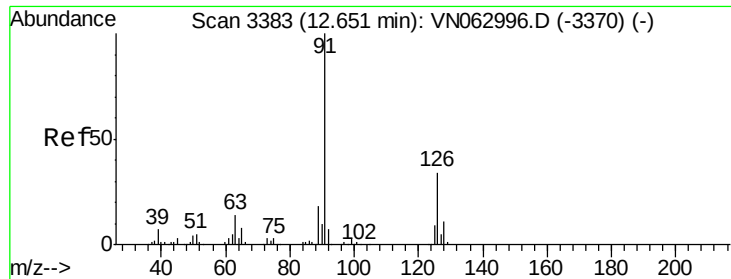
Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.4	34.1





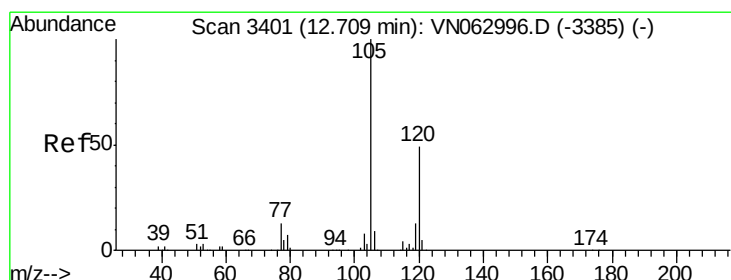
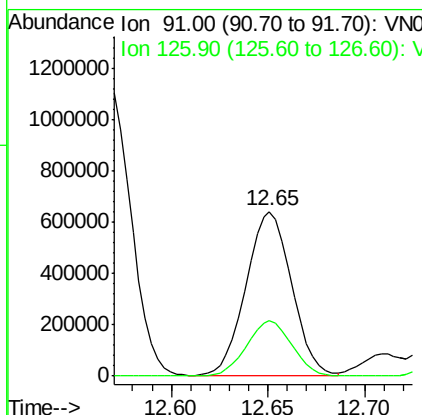
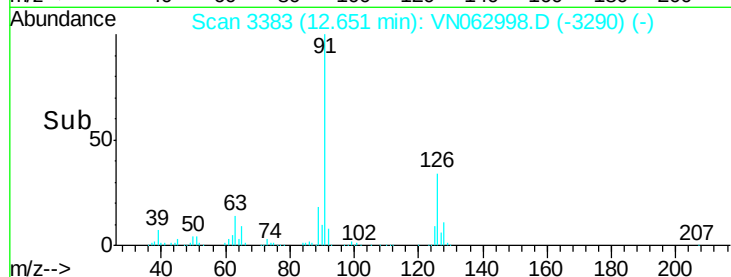
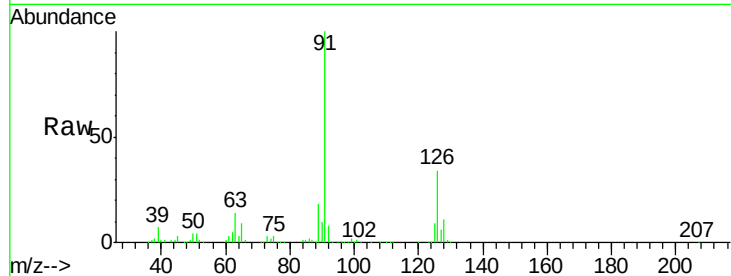
#79
 2-Chlorotoluene
 Concen: 144.450 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 91 Resp: 1052194
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.1 51.2

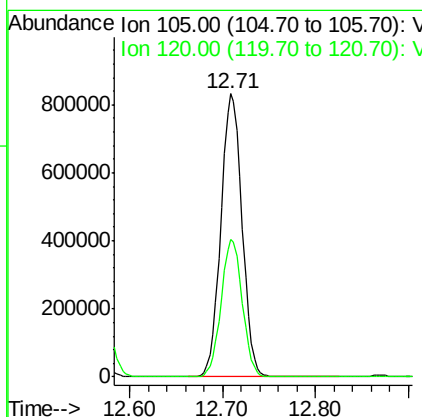
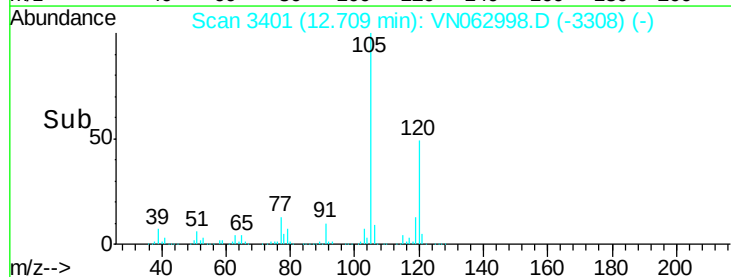
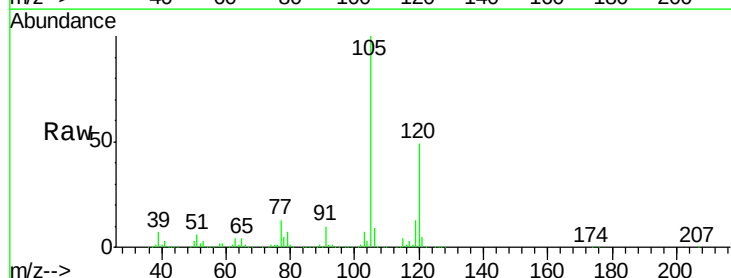
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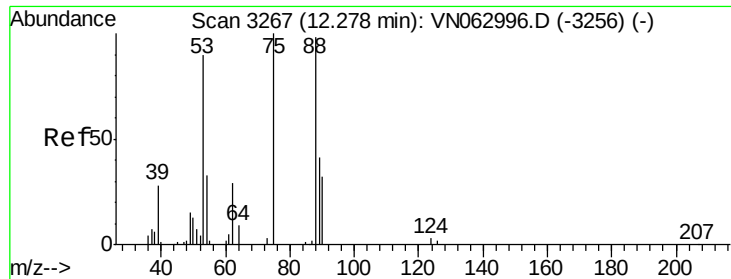
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#80
 1,3,5-Trimethylbenzene
 Concen: 156.544 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion: 105 Resp: 1314795
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 154.407 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

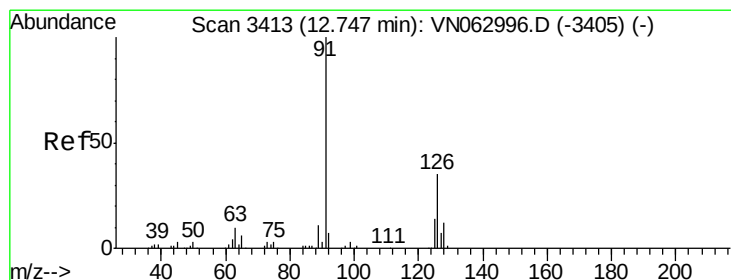
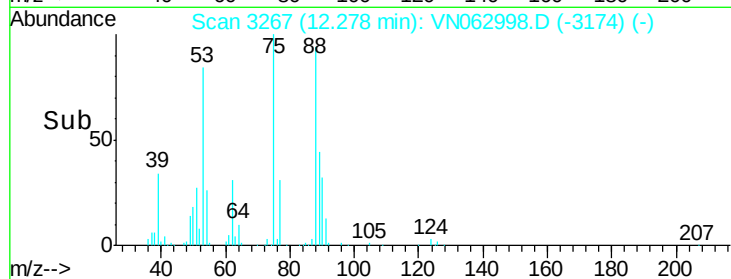
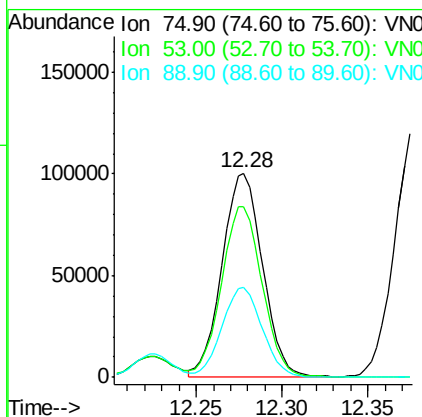
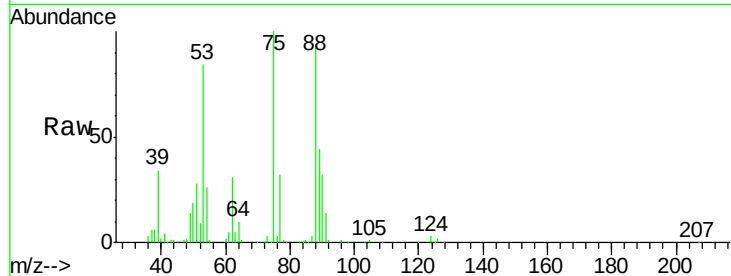
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	162134
Ion Ratio	Lower	Upper	
75	100		
53	85.7	69.2	103.8
89	44.7	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 150.954 ug/l

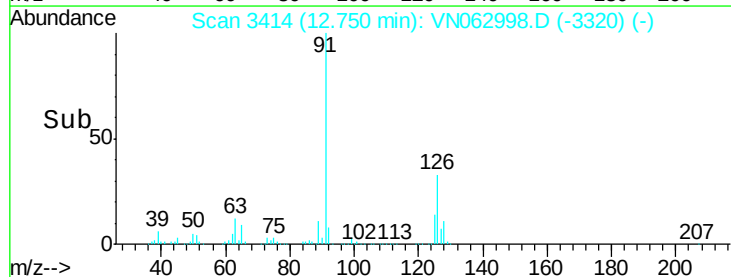
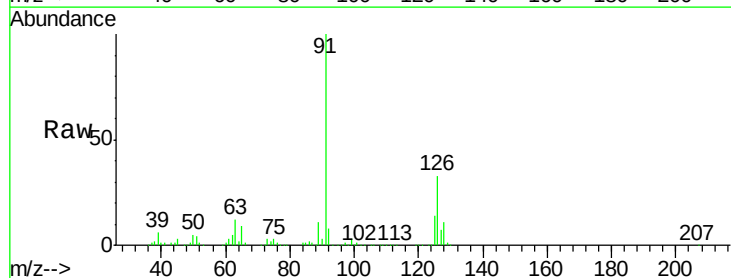
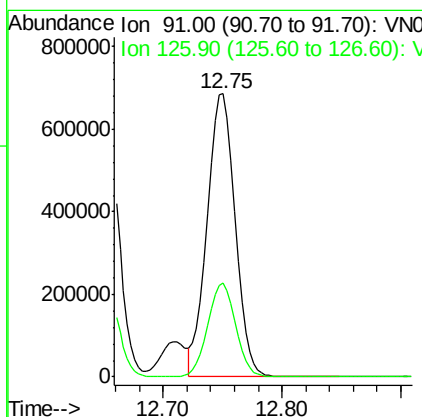
RT: 12.75 min Scan# 3414

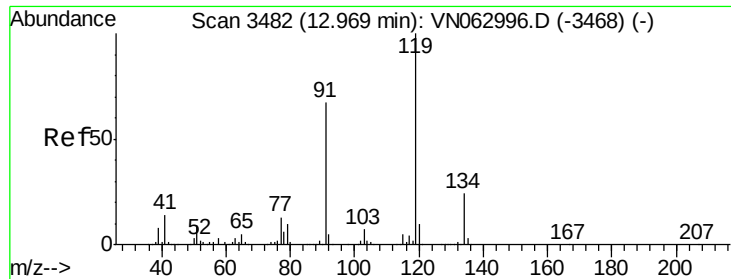
Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion:	91	Resp:	1119652
Ion Ratio	Lower	Upper	
91	100		
126	33.0	16.5	49.5





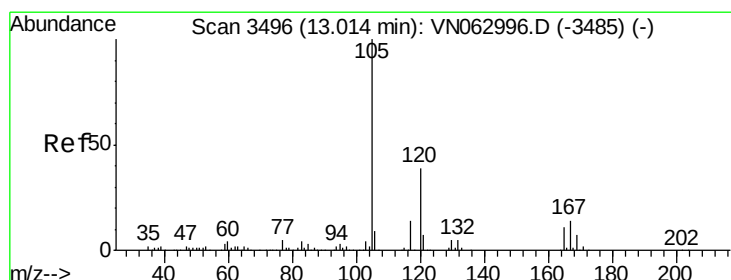
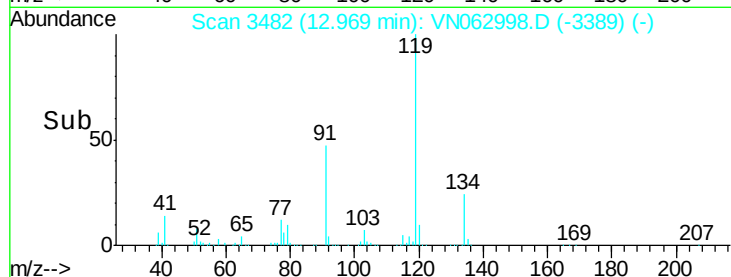
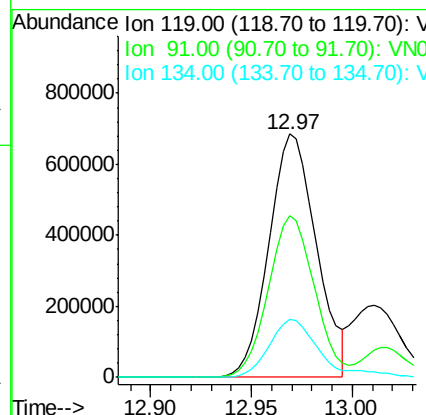
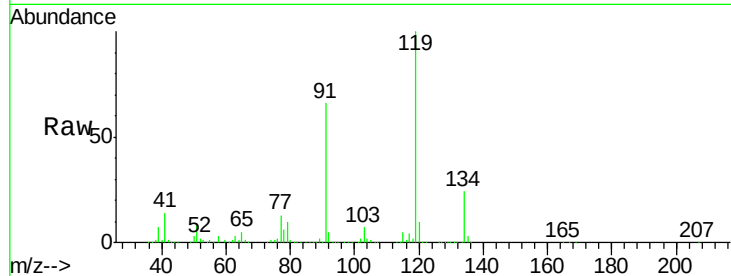
#83
 tert-Butylbenzene
 Concen: 154.664 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.5	97.4
134	25.5	13.1	39.3

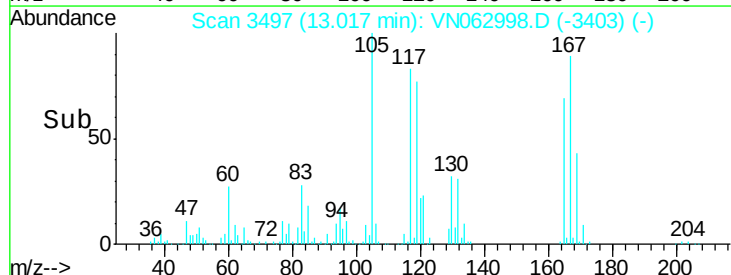
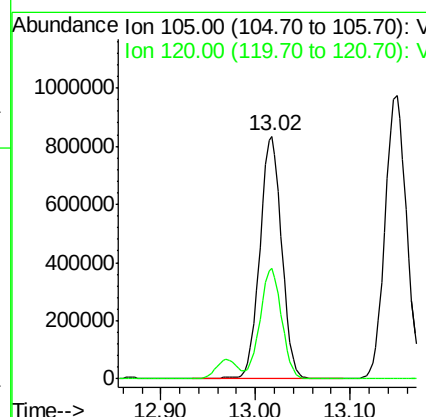
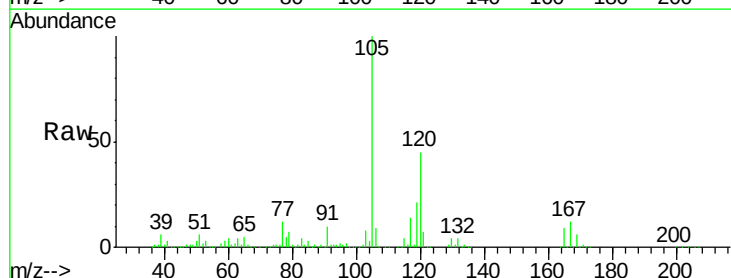
Manual Integrations
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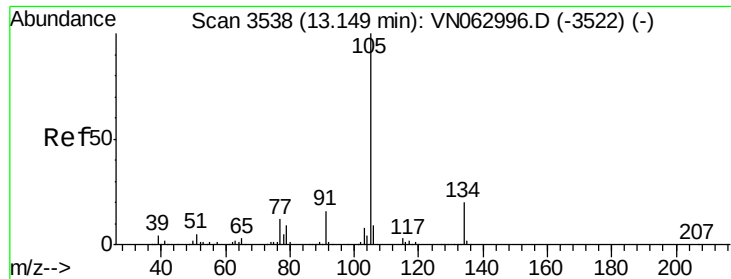
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#84
 1,2,4-Trimethylbenzene
 Concen: 163.258 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





#85

sec-Butylbenzene

Concen: 156.846 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1536625

Ion Ratio Lower Upper

105 100

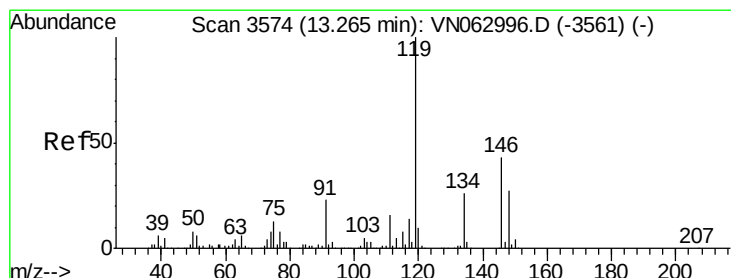
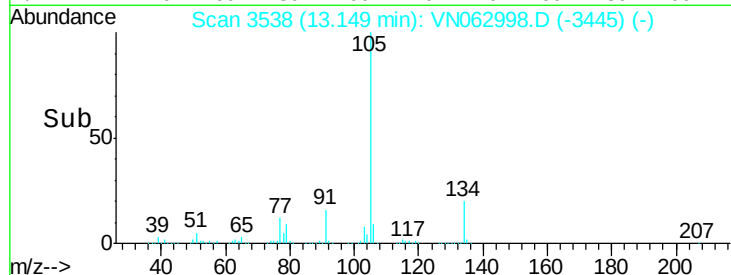
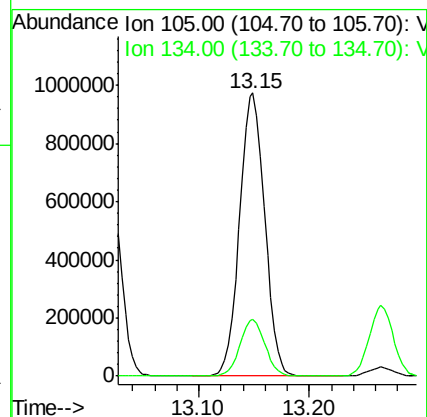
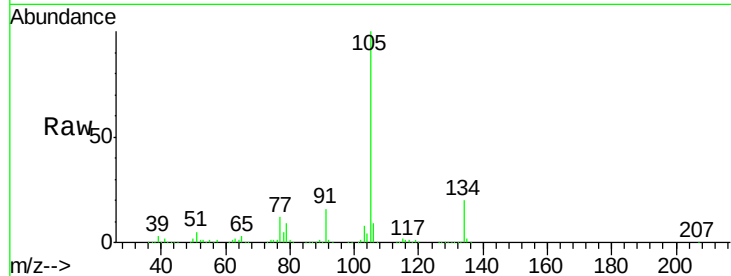
134 19.8 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 164.928 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

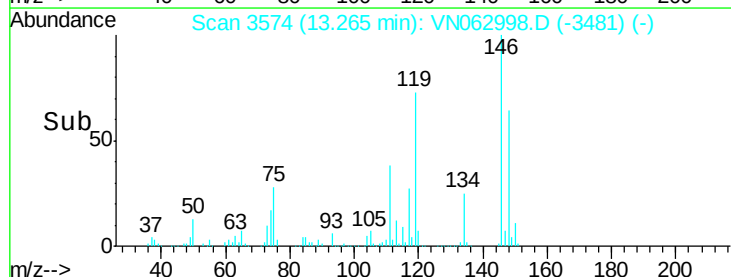
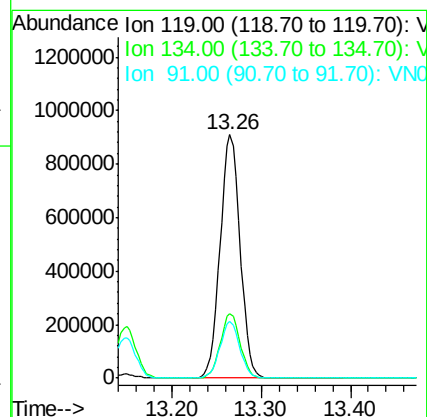
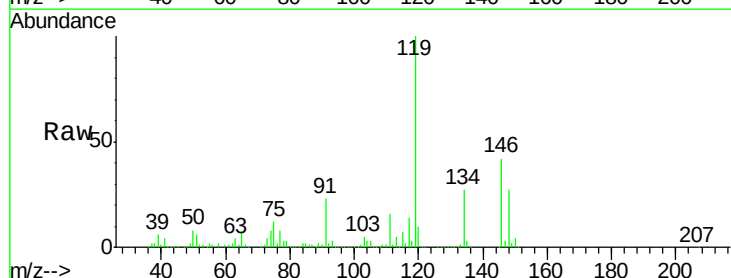
Tgt Ion:119 Resp: 1407901

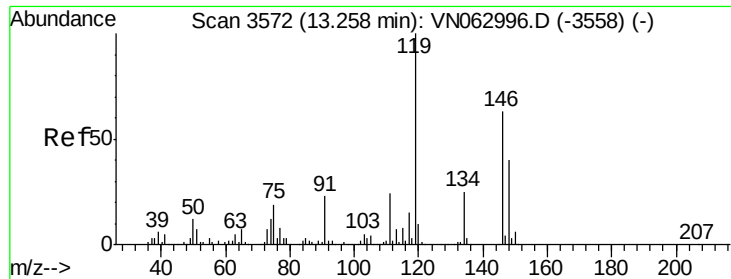
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 22.9 11.5 34.4





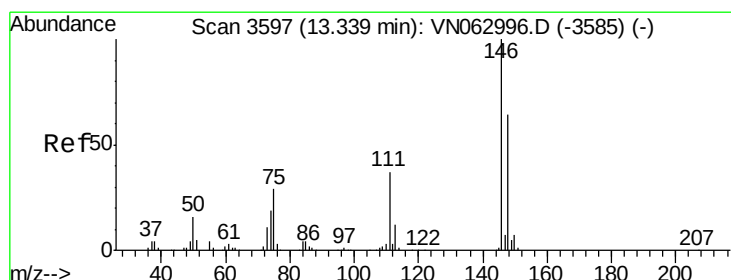
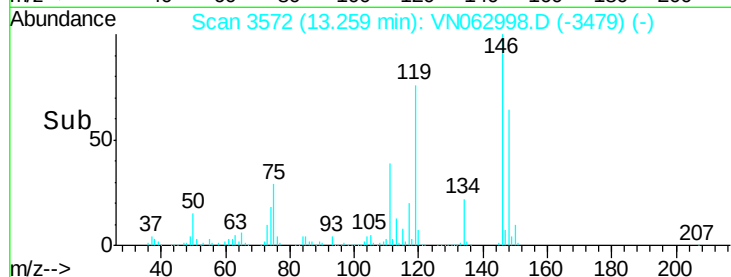
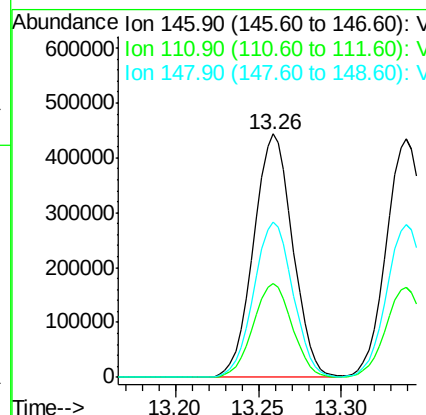
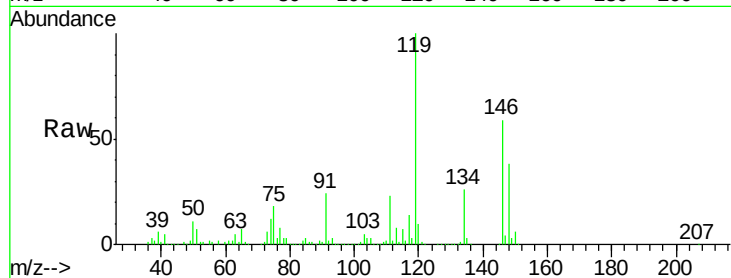
#87
 1,3-Dichlorobenzene
 Concen: 151.387 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.0	32.0	96.0

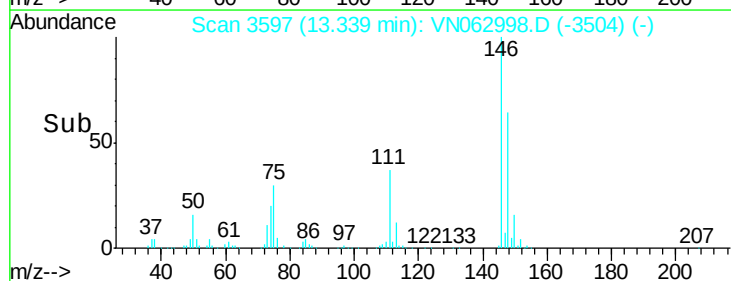
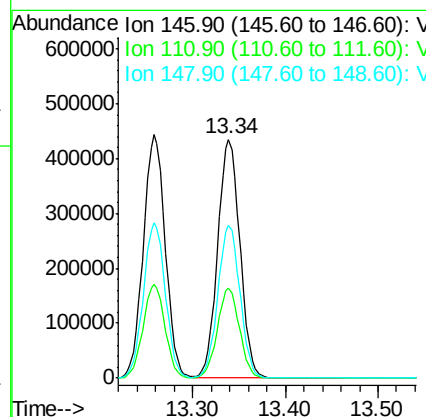
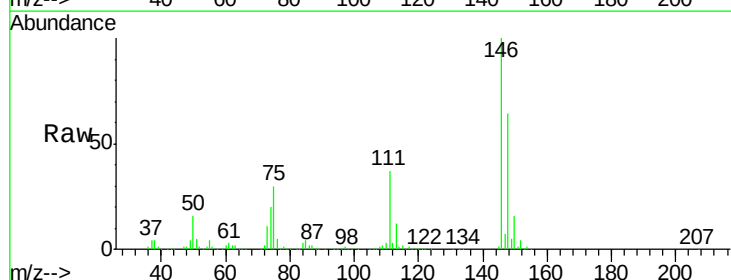
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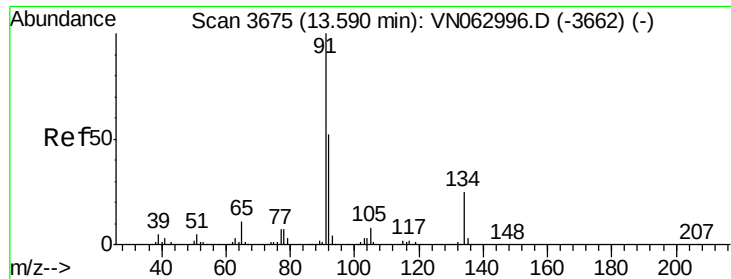
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#88
 1,4-Dichlorobenzene
 Concen: 148.445 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	63.9	32.4	97.0





#89

n-Butylbenzene

Concen: 174.092 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1254166

Ion Ratio Lower Upper

91 100

92 52.8 25.9 77.6

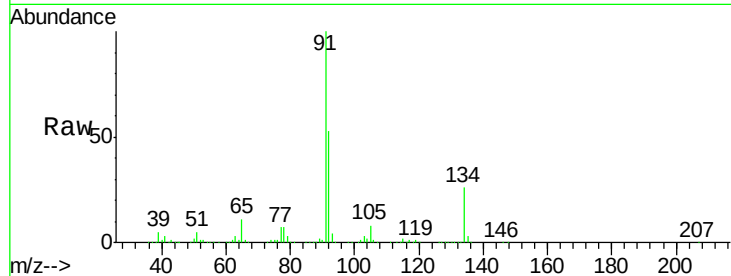
134 25.5 12.4 37.0

Manual Integrations

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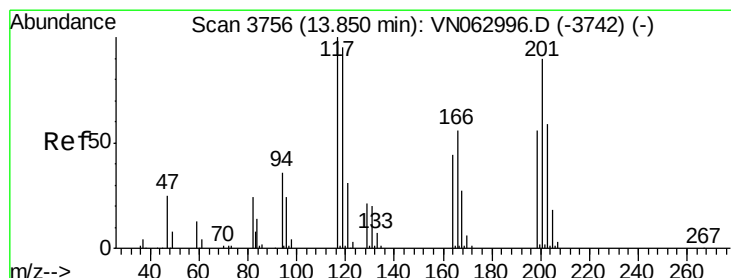
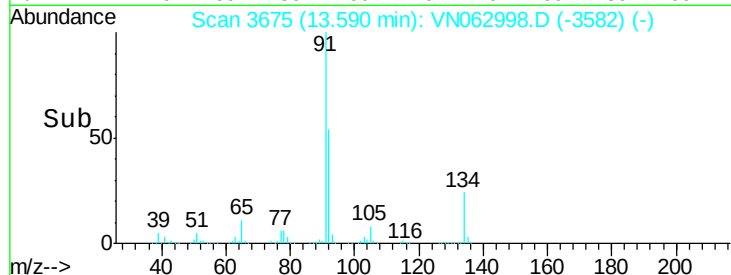


Abundance Ion 91.00 (90.70 to 91.70): VN062998.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062998.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062998.D (-3662) (-)

Time-->



#90

Hexachloroethane

Concen: 142.020 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062998.D

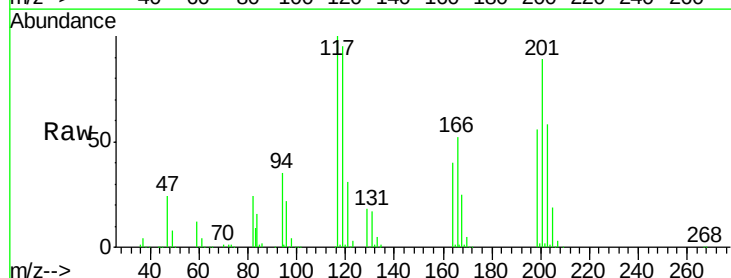
Acq: 18 Aug 2020 20:42

Tgt Ion: 117 Resp: 257681

Ion Ratio Lower Upper

117 100

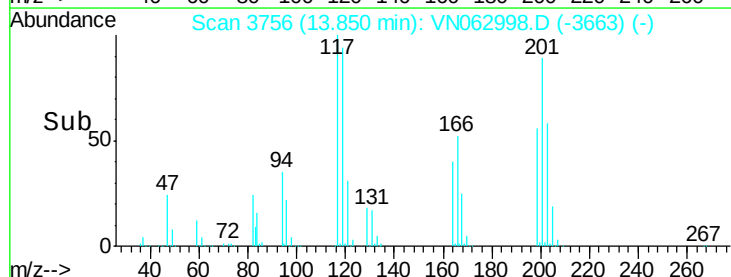
201 90.3 44.1 132.4

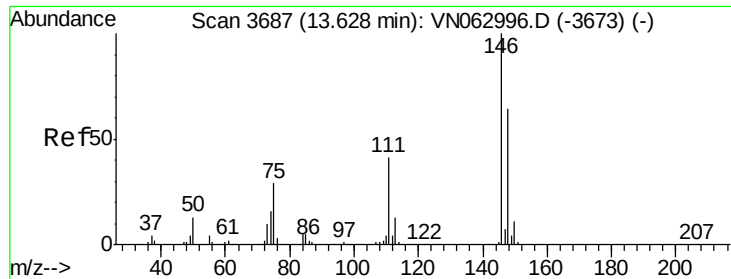


Abundance Ion 116.80 (116.50 to 117.50): VN062998.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN062998.D (-3663) (-)

Time-->





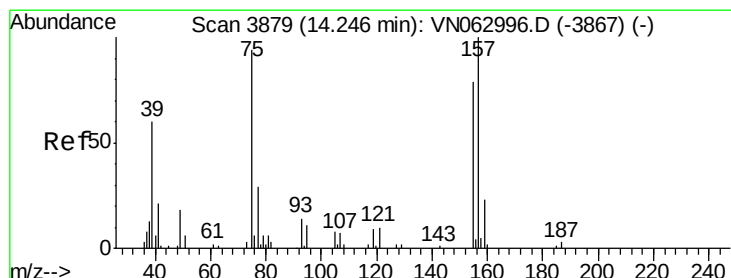
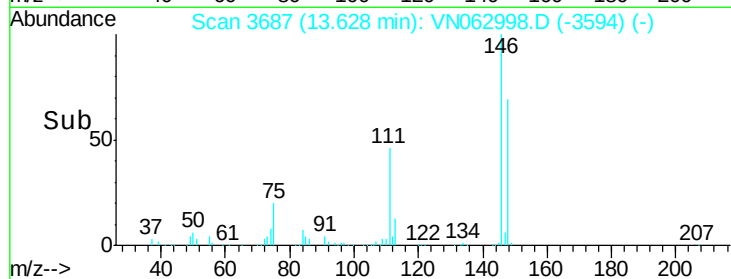
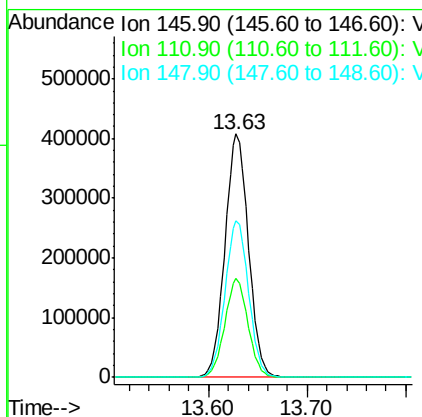
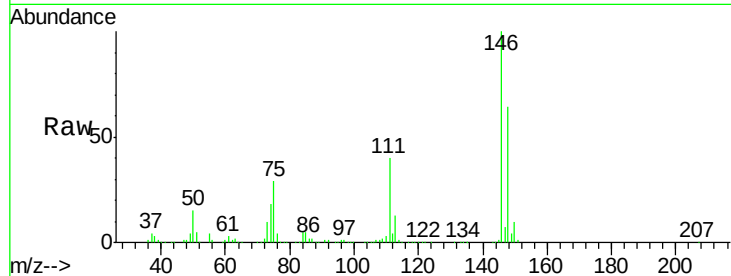
#91
 1,2-Dichlorobenzene
 Concen: 147.315 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	683363		
111	40.0		20.2	60.5
148	64.6		31.9	95.5

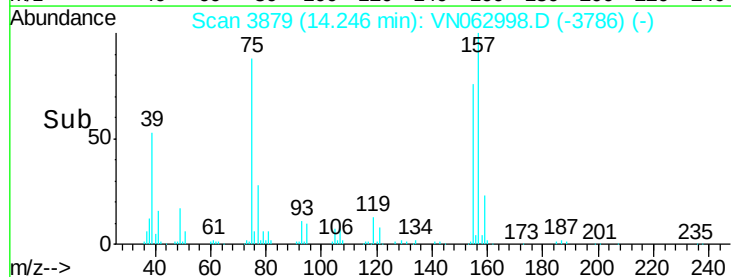
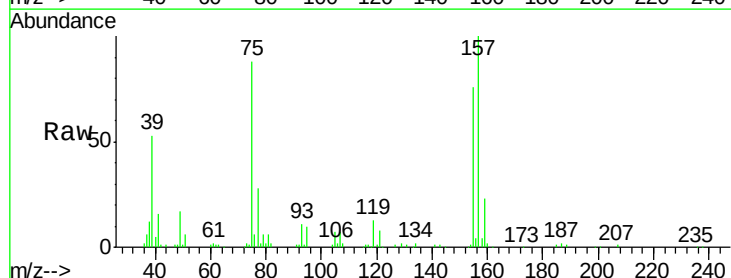
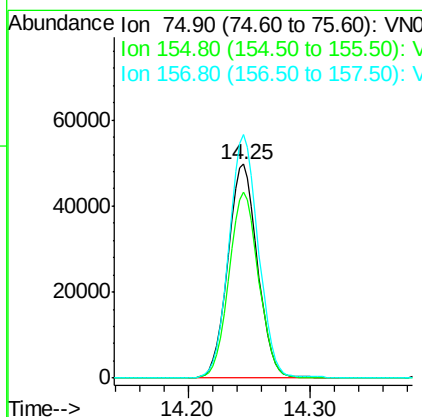
Manual Integrations
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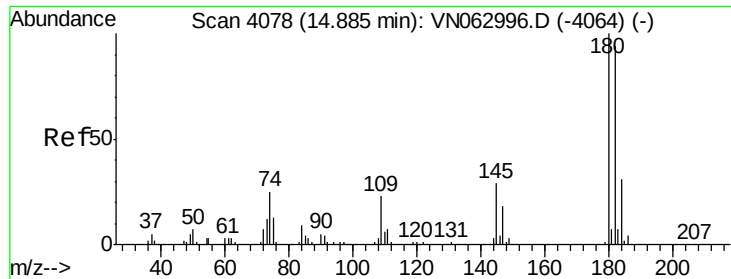
MMDadoda
 8/19/2020 5:46:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 164.981 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84419		
155	86.6		42.4	127.1
157	112.9		55.2	165.6





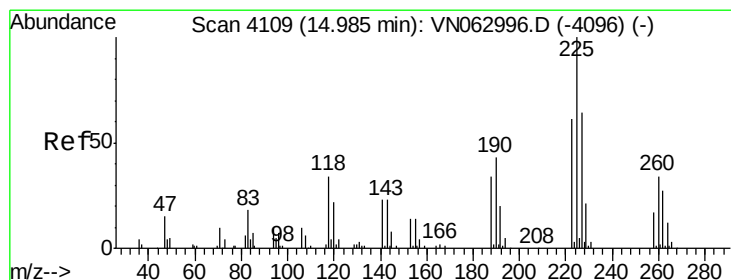
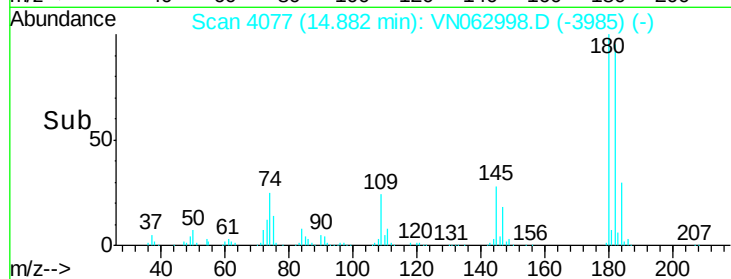
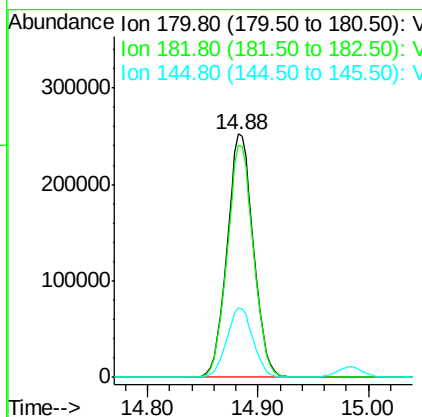
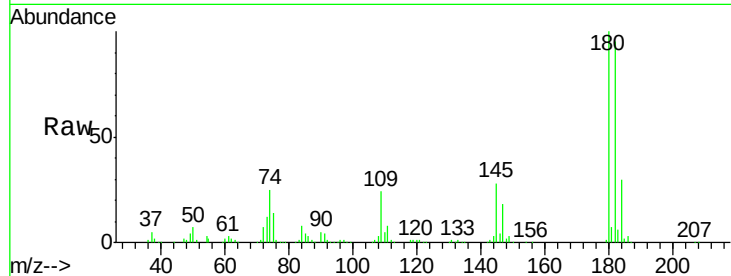
#93
 1,2,4-Trichlorobenzene
 Concen: 205.190 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	415880		
182	95.5	47.0	141.2	
145	28.6	14.1	42.4	

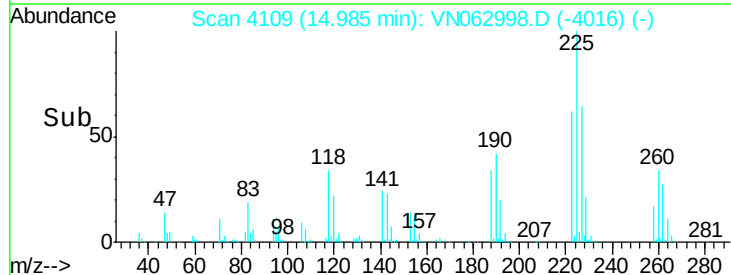
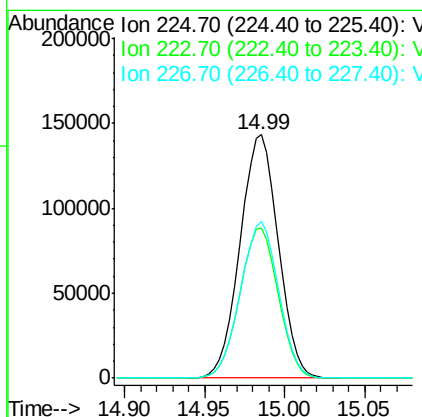
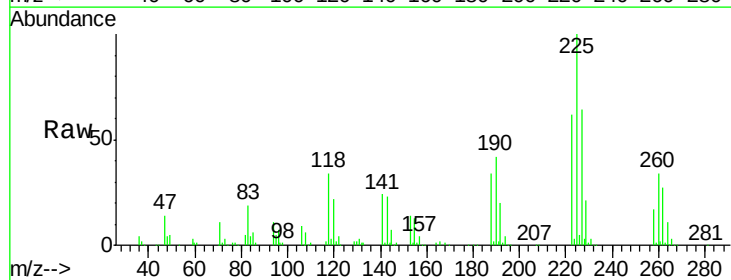
Manual Integrations
 APPROVED

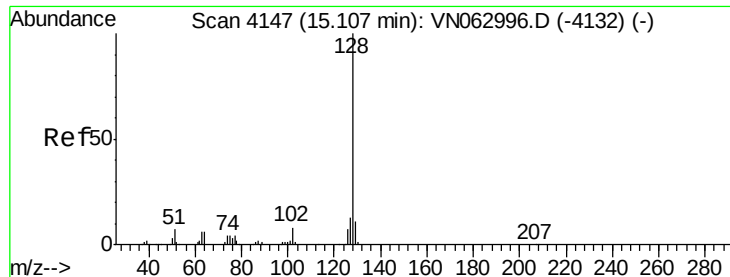
MMDadoda
 8/19/2020 5:46:19 PM



#94
 Hexachlorobutadiene
 Concen: 136.358 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062998.D
 Acq: 18 Aug 2020 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	233738		
223	62.1	30.9	92.5	
227	64.2	31.9	95.9	





#95

Naphthalene

Concen: 216.525 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Instrument :

MSVOA_N

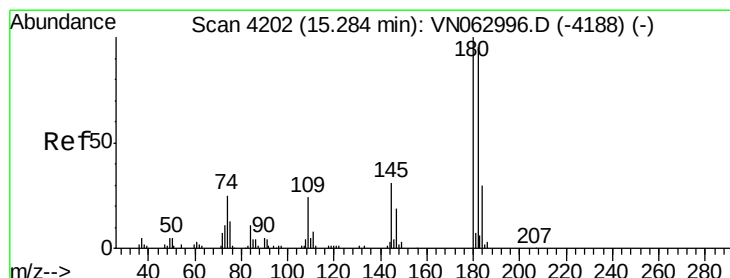
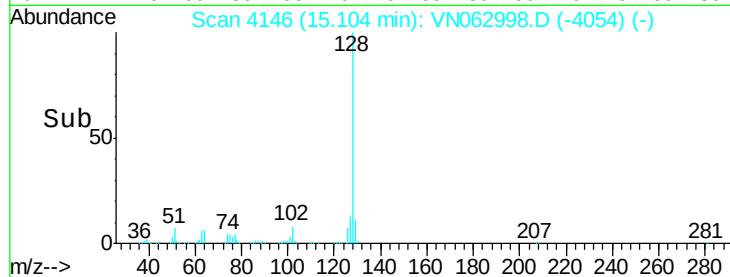
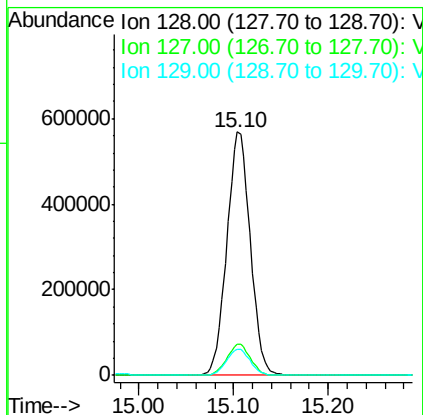
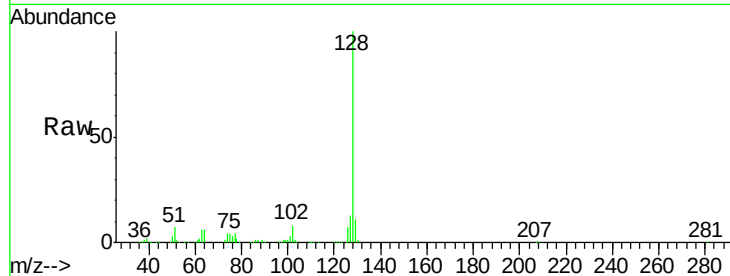
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	978904
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/19/2020 5:46:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 196.628 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062998.D

Acq: 18 Aug 2020 20:42

Tgt Ion:	180	Resp:	400241
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	141.9
145	30.3	15.6	46.7

