

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061430.D
 Acq On : 18 May 2020 12:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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 5/19/2020 4:25:37 PM

Quant Time: May 18 12:46:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	326323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	594329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	563248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	276785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	466003	93.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.12%	
35) Dibromofluoromethane	7.55	113	287348	96.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.46%	
50) Toluene-d8	10.06	98	1455264	98.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.34%	
62) 4-Bromofluorobenzene	12.37	95	557729	102.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	281362	106.576	ug/l	99
3) Chloromethane	2.03	50	388329	75.317	ug/l	99
4) Vinyl Chloride	2.16	62	571504	72.352	ug/l	98
5) Bromomethane	2.53	94	310429	72.523	ug/l	100
6) Chloroethane	2.67	64	381623	68.102	ug/l	99
7) Trichlorofluoromethane	2.98	101	825643	85.159	ug/l	99
8) Diethyl Ether	3.37	74	212901	97.424	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	311635	100.900	ug/l	99
10) Methyl Iodide	3.91	142	384056	99.895	ug/l	99
11) Tert butyl alcohol	4.73	59	257090	680.627	ug/l	100
12) 1,1-Dichloroethene	3.70	96	316547	95.697	ug/l	95
13) Acrolein	3.56	56	194041	453.743	ug/l	99
14) Allyl chloride	4.27	41	490608	83.662	ug/l	94
15) Acrylonitrile	4.93	53	811732	503.140	ug/l	99
16) Acetone	3.77	43	617555	488.537	ug/l	99
17) Carbon Disulfide	4.01	76	702812	82.558	ug/l	99
18) Methyl Acetate	4.27	43	327460	88.527	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1222144	94.375	ug/l	98
20) Methylene Chloride	4.50	84	382017	95.750	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	379526	94.871	ug/l	98
22) Diisopropyl ether	5.90	45	1177637	90.274	ug/l	98
23) Vinyl Acetate	5.84	43	4727823	445.220	ug/l	98
24) 1,1-Dichloroethane	5.80	63	693127	93.029	ug/l	100
25) 2-Butanone	6.78	43	1037998	496.054	ug/l	98
26) 2,2-Dichloropropane	6.77	77	643493	100.861	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	444441	95.668	ug/l	98
28) Bromochloromethane	7.15	49	314762	96.211	ug/l	97
29) Tetrahydrofuran	7.17	42	683603	481.257	ug/l	98
30) Chloroform	7.33	83	746883	95.510	ug/l	100
31) Cyclohexane	7.61	56	609627	83.350	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	676197	97.147	ug/l	98
36) 1,1-Dichloropropene	7.75	75	555887	93.751	ug/l	99
37) Ethyl Acetate	6.88	43	460515	93.166	ug/l	100
38) Carbon Tetrachloride	7.73	117	541818	106.591	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	683785	96.897	ug/l	98
40) Benzene	8.00	78	1651961	94.660	ug/l	99
41) Methacrylonitrile	7.13	41	183163m	79.854	ug/l	
42) 1,2-Dichloroethane	8.09	62	587246	93.615	ug/l	100
43) Isopropyl Acetate	8.13	43	836310	87.994	ug/l	99
44) Trichloroethene	8.80	130	444810	98.640	ug/l	99
45) 1,2-Dichloropropane	9.08	63	409795	93.218	ug/l	100
46) Dibromomethane	9.18	93	289195	97.828	ug/l	97
47) Bromodichloromethane	9.37	83	617268	96.181	ug/l	97
48) Methyl methacrylate	9.17	41	377788	87.840	ug/l	99
49) 1,4-Dioxane	9.17	88	82881	2971.026	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	2333805	456.013	ug/l	99
52) Toluene	10.12	92	1101549	99.440	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	692613	98.687	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	727125	98.227	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	410652	99.637	ug/l	97
56) Ethyl methacrylate	10.40	69	662450	98.303	ug/l	98
57) 1,3-Dichloropropane	10.68	76	700472	97.547	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1404104	493.303	ug/l	98
59) 2-Hexanone	10.72	43	1699042	484.625	ug/l	100
60) Dibromochloromethane	10.87	129	476724	104.039	ug/l	100
61) 1,2-Dibromoethane	10.98	107	435312	100.416	ug/l	100
64) Tetrachloroethene	10.60	164	444077	100.703	ug/l	99
65) Chlorobenzene	11.41	112	1150518	98.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	425509	103.123	ug/l	98
67) Ethyl Benzene	11.48	91	2116943	97.756	ug/l	97
68) m/p-Xylenes	11.59	106	1652396	203.113	ug/l	95
69) o-Xylene	11.92	106	794710	100.711	ug/l	96
70) Styrene	11.94	104	1375566	103.827	ug/l	99
71) Bromoform	12.10	173	321079	110.484	ug/l #	99
73) Isopropylbenzene	12.22	105	2103655	93.380	ug/l	99
74) N-amyl acetate	12.04	43	764505	86.766	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	560266	87.246	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	541539m	93.681	ug/l	
77) Bromobenzene	12.50	156	480127	97.375	ug/l	95
78) n-propylbenzene	12.56	91	2410758	91.801	ug/l	98
79) 2-Chlorotoluene	12.65	91	1419617	92.208	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1790086	94.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	221416	100.170	ug/l	95
82) 4-Chlorotoluene	12.75	91	1519257	93.918	ug/l	100
83) tert-Butylbenzene	12.97	119	1517077	94.323	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1787440	95.007	ug/l	99
85) sec-Butylbenzene	13.15	105	2060777	94.928	ug/l	100
86) p-Isopropyltoluene	13.26	119	1879633	99.741	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	895875	100.195	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	900964	98.120	ug/l	99
89) n-Butylbenzene	13.59	91	1705387	99.730	ug/l	99
90) Hexachloroethane	13.85	117	257699	99.249	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	846225	99.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	116469	94.333	ug/l	98

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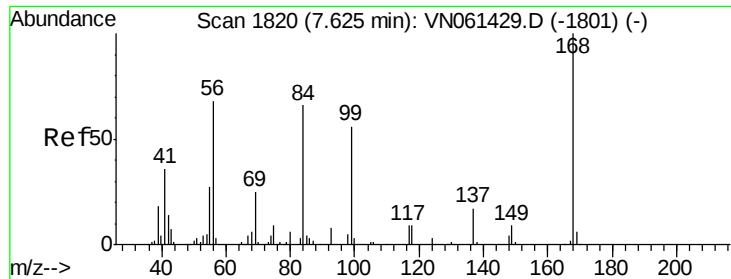
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	491442	104.855	ug/l	99
94) Hexachlorobutadiene	14.99	225	198711	110.094	ug/l	99
95) Naphthalene	15.10	128	1578613	104.002	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	479027	102.265	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 326323

Ion Ratio Lower Upper

168 100

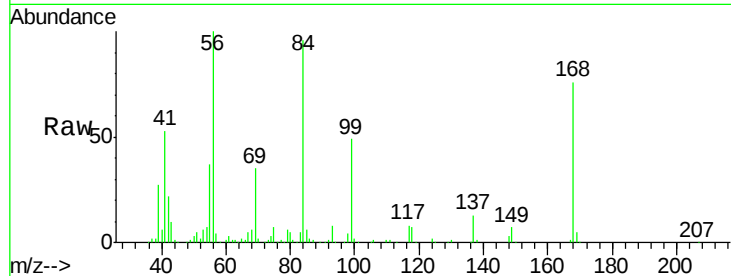
99 64.3 51.1 76.7

Manual Integrations

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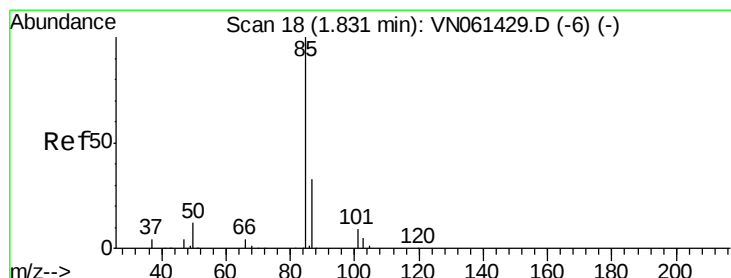
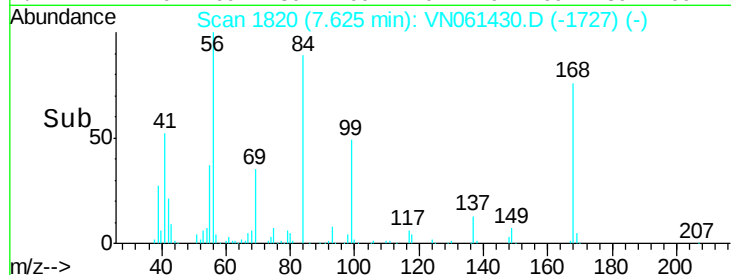
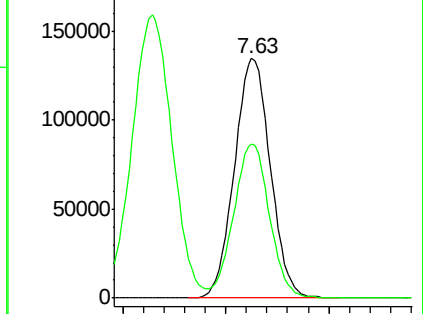
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 106.576 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061430.D

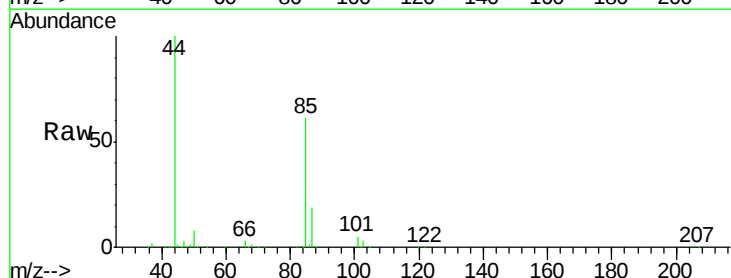
Acq: 18 May 2020 12:23

Tgt Ion: 85 Resp: 281362

Ion Ratio Lower Upper

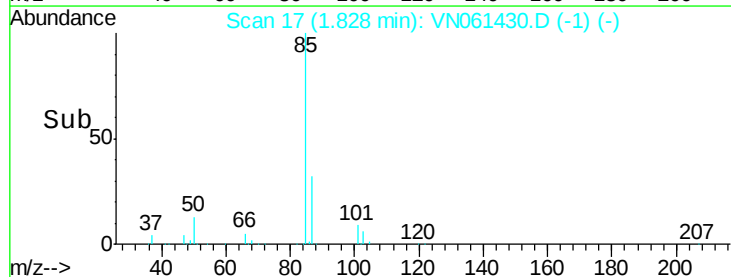
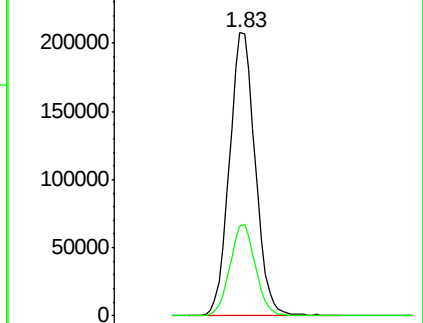
85 100

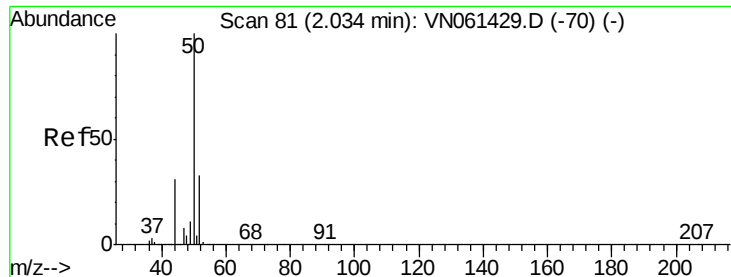
87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 75.317 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 388329

Ion Ratio Lower Upper

50 100

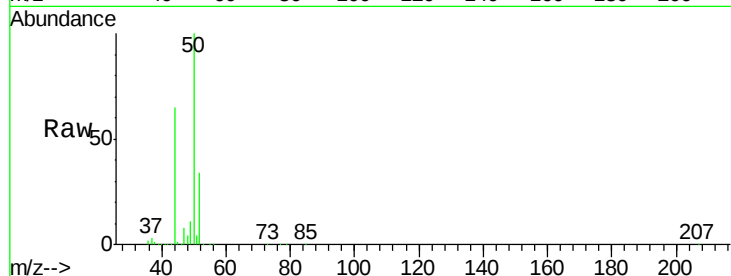
52 34.0 26.7 40.1

Manual Integrations

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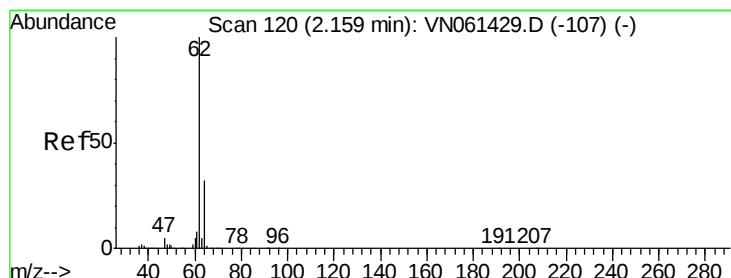
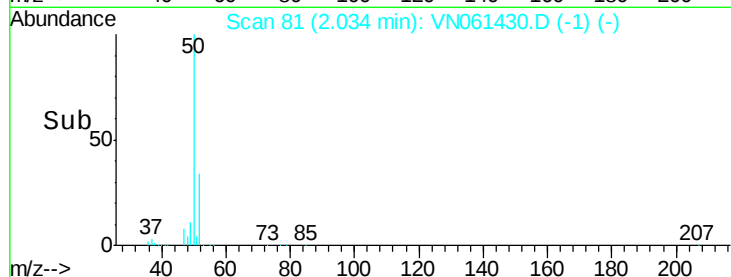
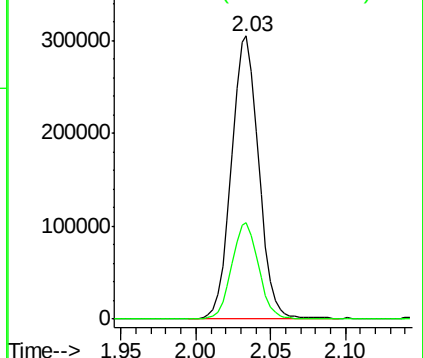
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 72.352 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061430.D

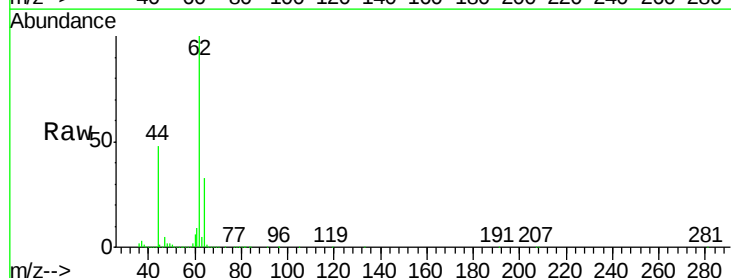
Acq: 18 May 2020 12:23

Tgt Ion: 62 Resp: 571504

Ion Ratio Lower Upper

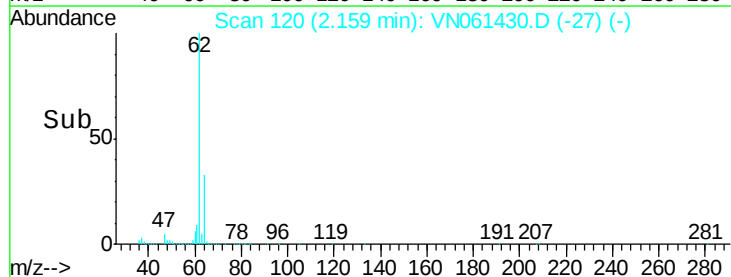
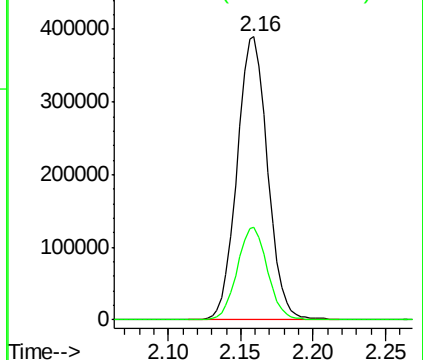
62 100

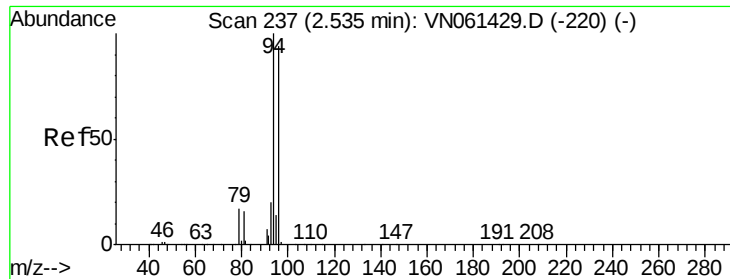
64 32.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 72.523 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 310429

Ion Ratio Lower Upper

94 100

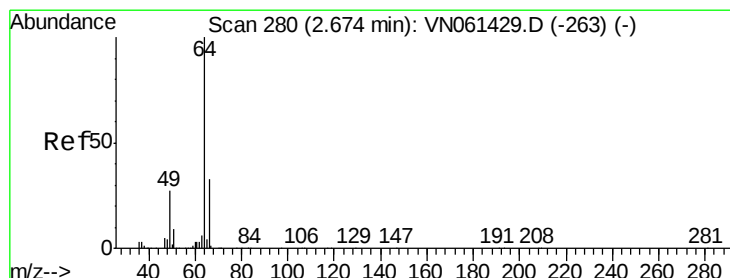
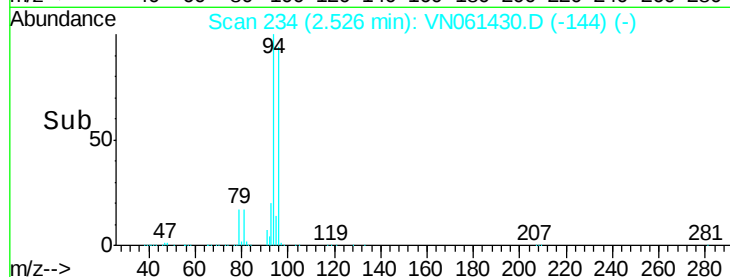
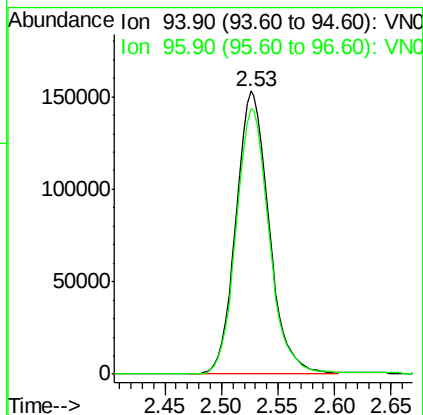
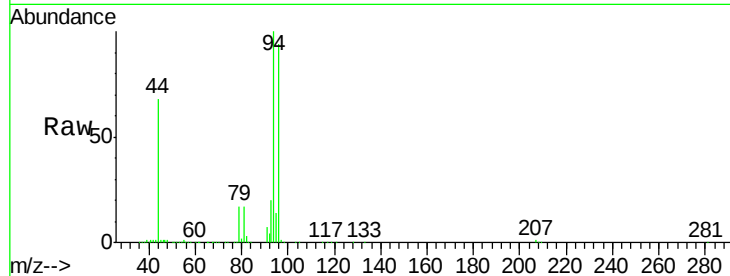
96 93.6 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 68.102 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061430.D

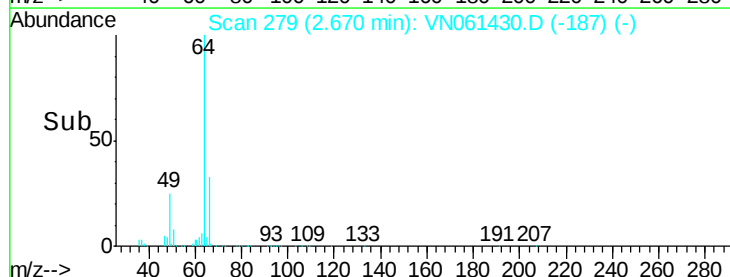
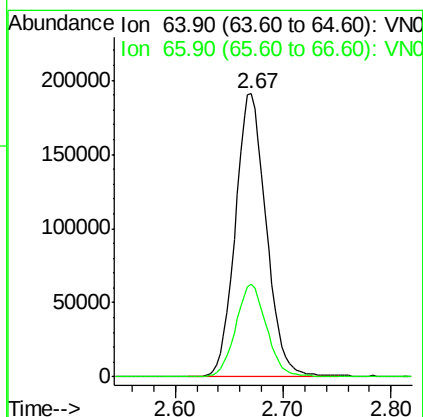
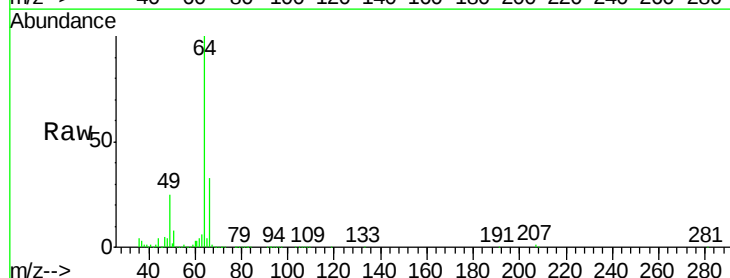
Acq: 18 May 2020 12:23

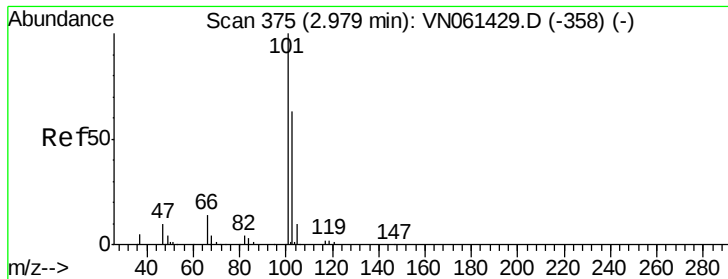
Tgt Ion: 64 Resp: 381623

Ion Ratio Lower Upper

64 100

66 32.5 26.3 39.5





#7

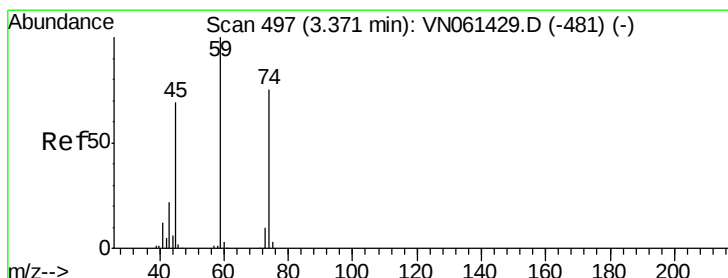
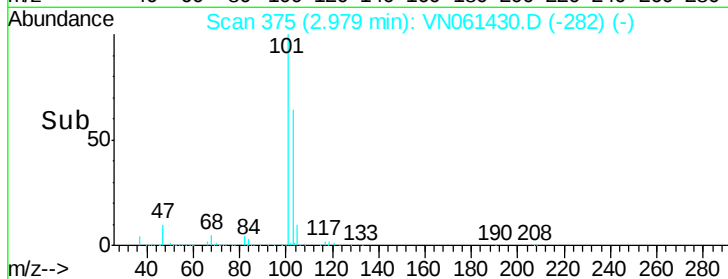
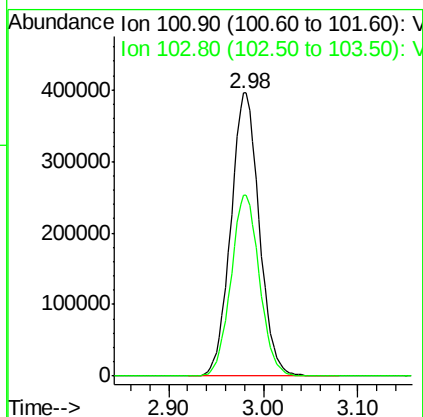
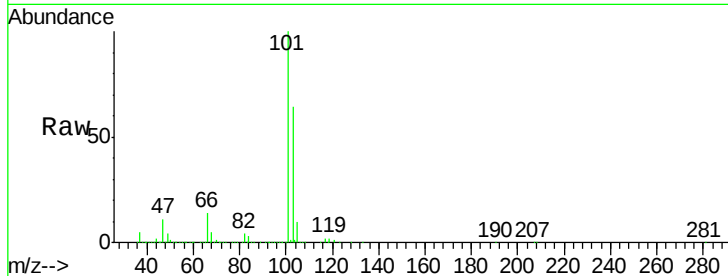
Trichlorofluoromethane
 Concen: 85.159 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	825643		
103	63.9	50.2	75.4	

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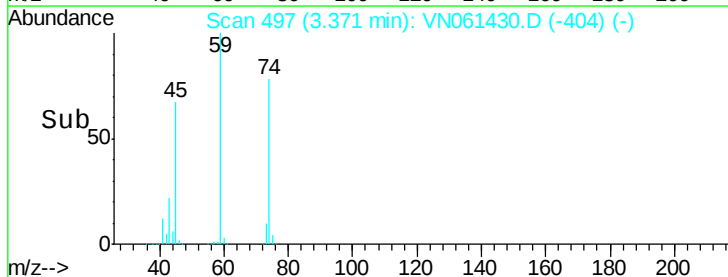
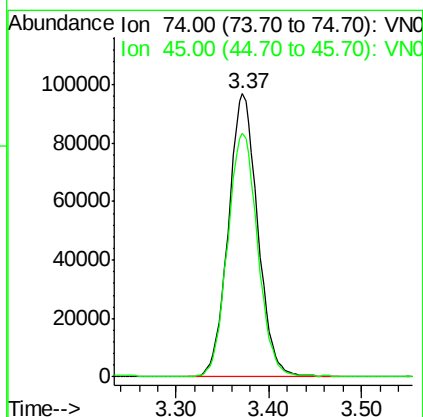
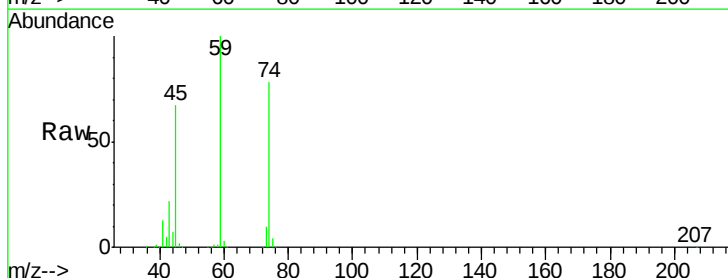
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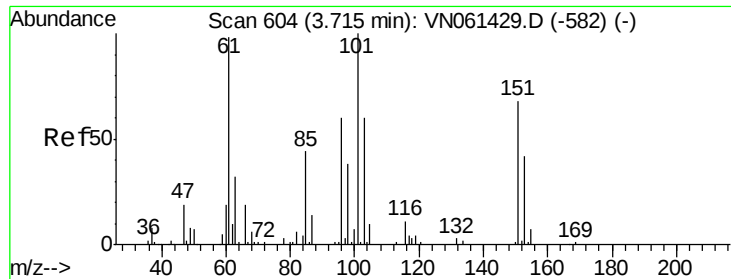


#8

Diethyl Ether
 Concen: 97.424 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	212901		
45	88.1	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.900 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

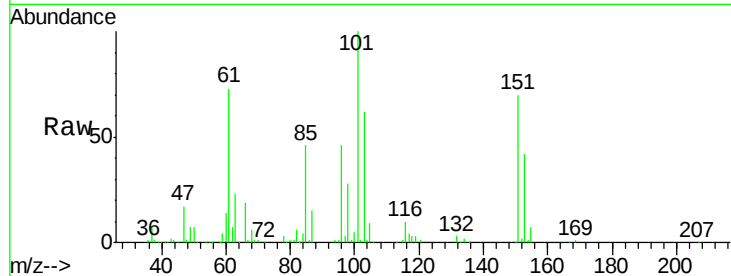
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	311635
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.6	55.0
151	69.2	56.3	84.5

Manual Integrations
APPROVED

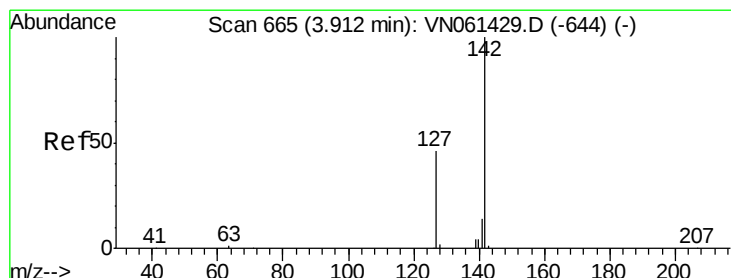
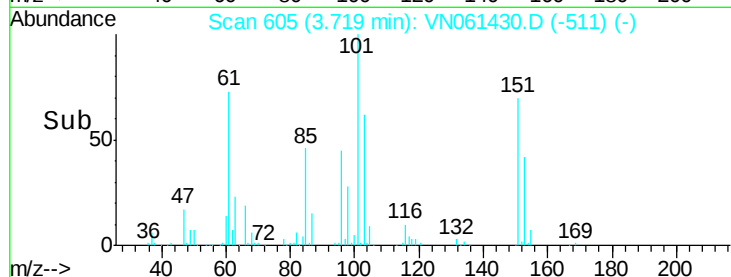
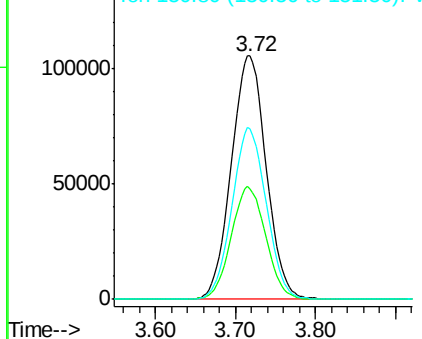
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 99.895 ug/l

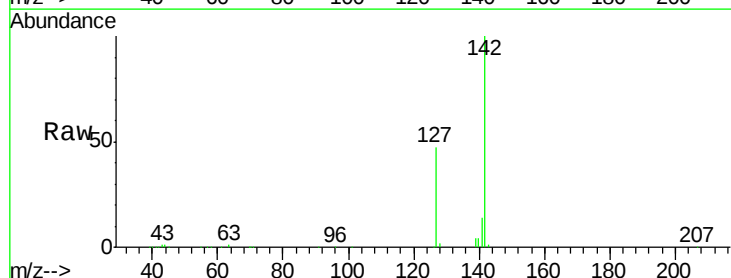
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

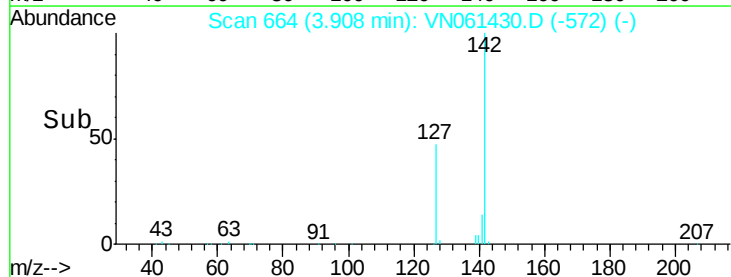
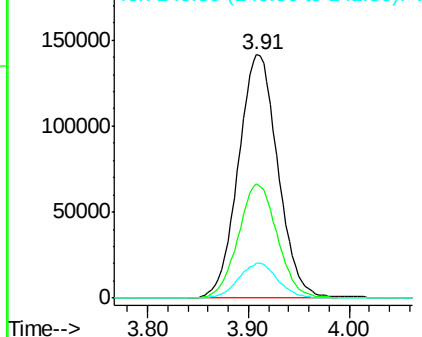
Tgt Ion:	142	Resp:	384056
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.7	55.1
141	14.2	11.5	17.3

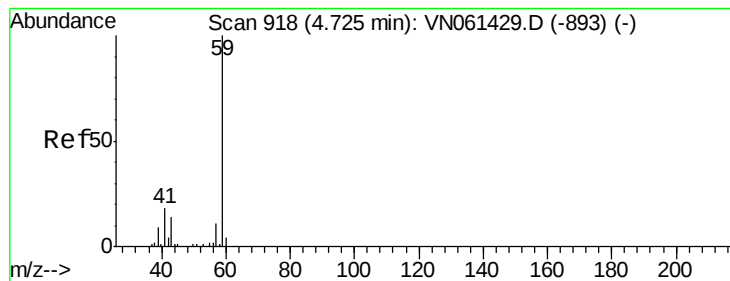


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

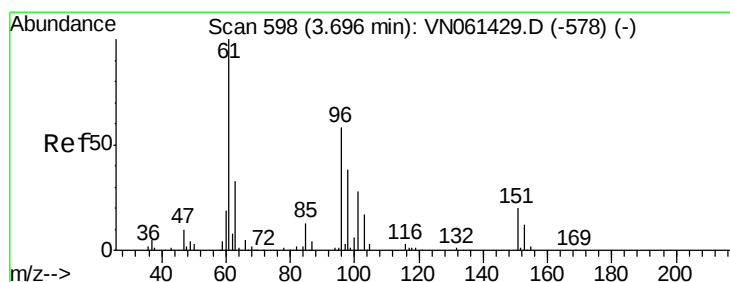
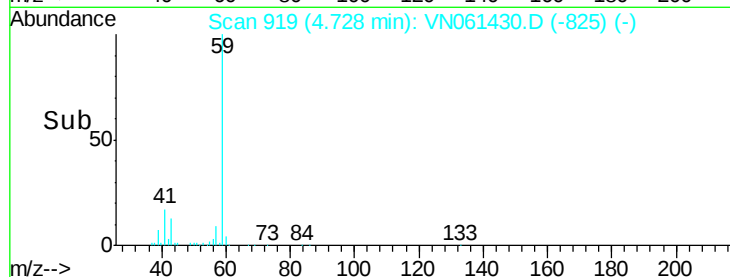
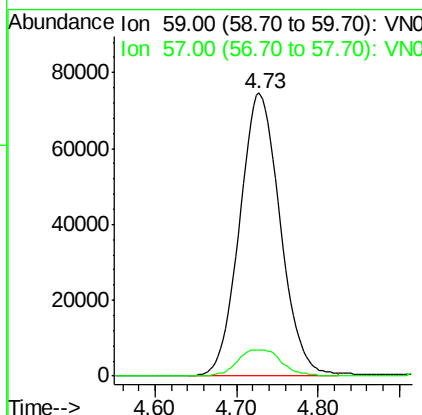
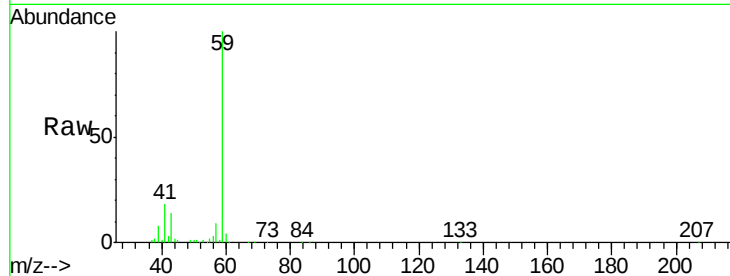
Tert butyl alcohol
Concen: 680.627 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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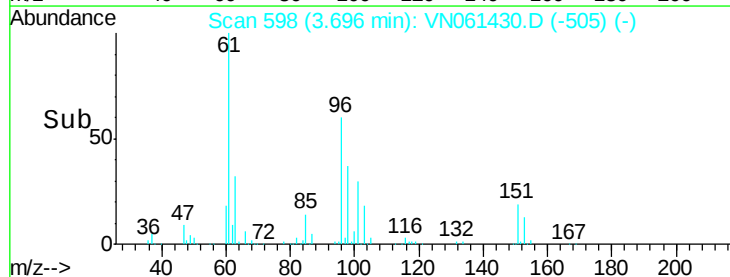
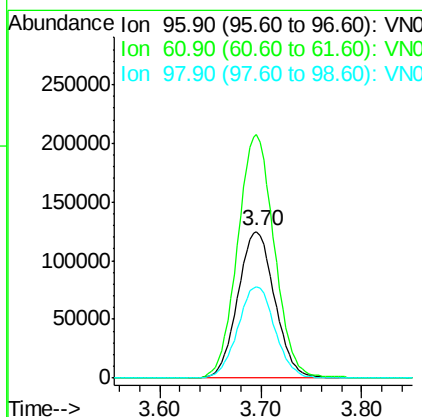
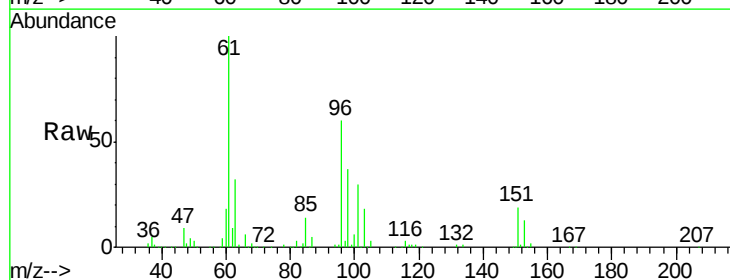
MMDadoda
5/19/2020 4:25:37 PM

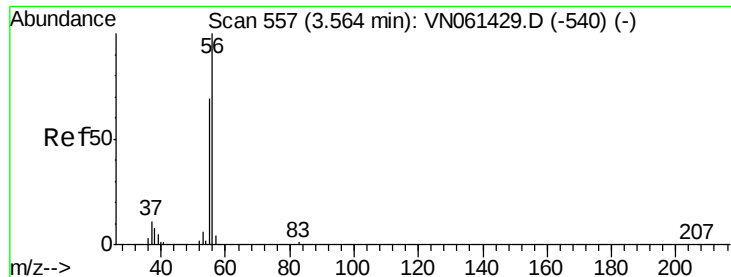


#12

1,1-Dichloroethene
Concen: 95.697 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	138.7	208.1
98	62.0	53.0	79.6





#13

Acrolein

Concen: 453.743 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 194041

Ion Ratio Lower Upper

56 100

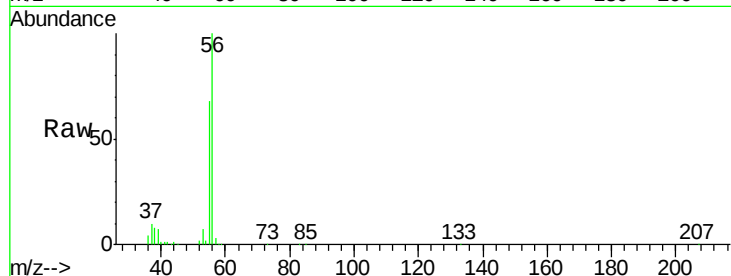
55 69.6 54.8 82.2

Manual Integrations

APPROVED

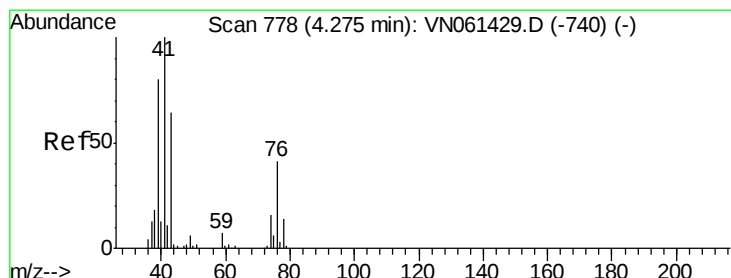
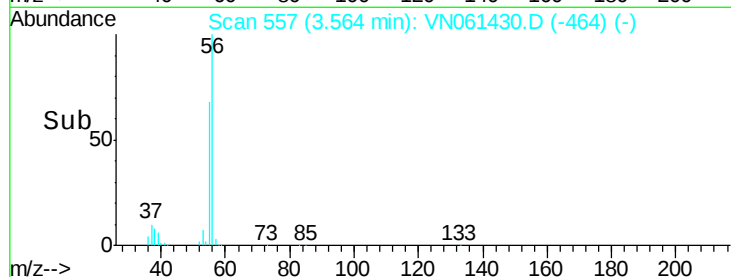
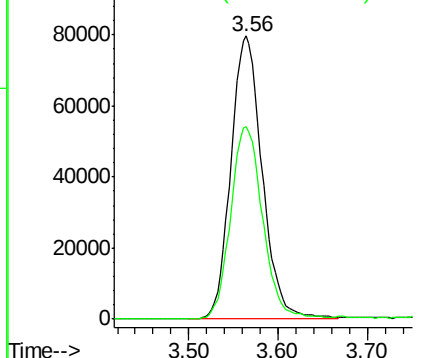
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 83.662 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

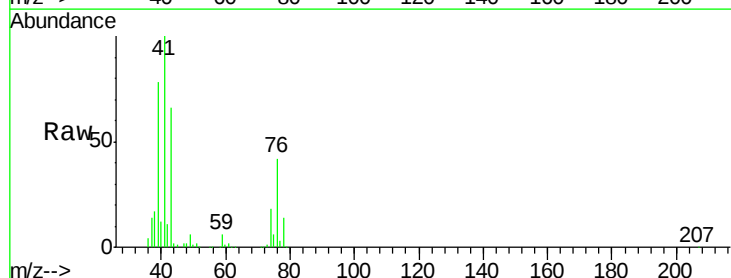
Tgt Ion: 41 Resp: 490608

Ion Ratio Lower Upper

41 100

39 80.7 61.2 91.8

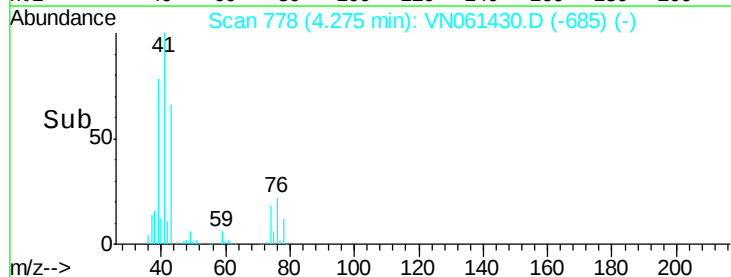
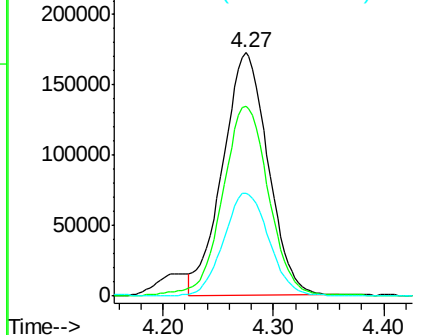
76 41.8 29.9 44.9

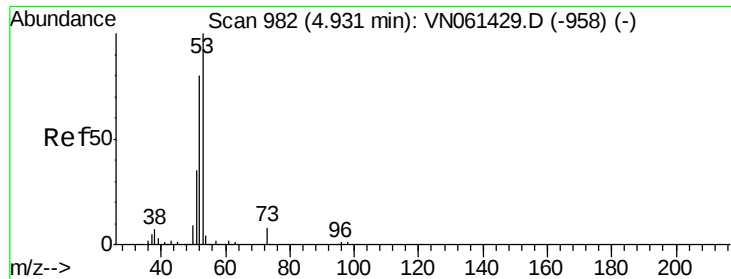


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 503.140 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

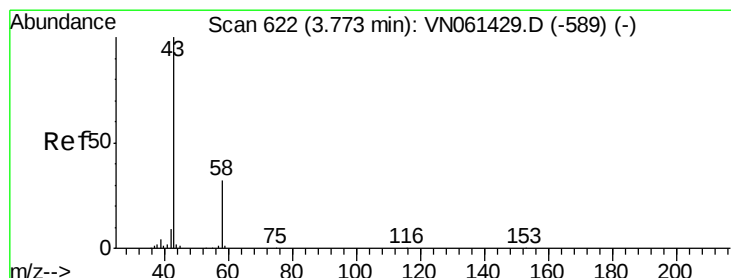
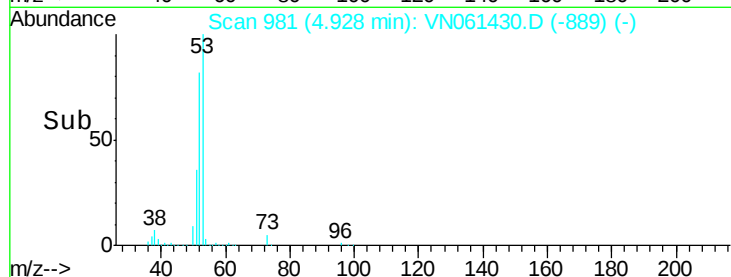
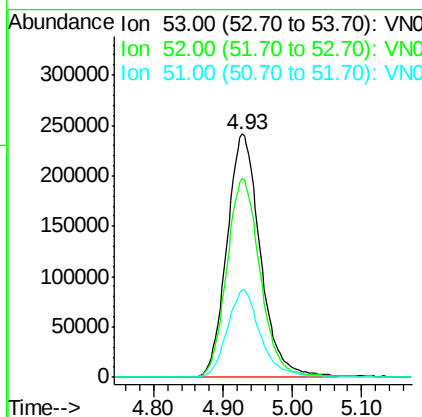
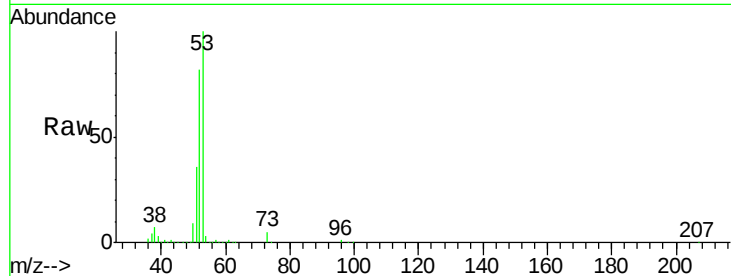
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	811732
Ion Ratio	Lower	Upper	
53	100		
52	82.0	64.7	97.1
51	36.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 488.537 ug/l

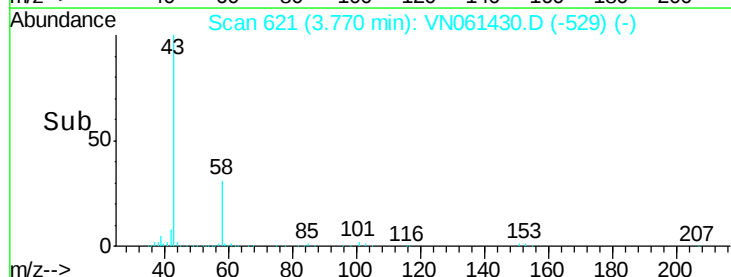
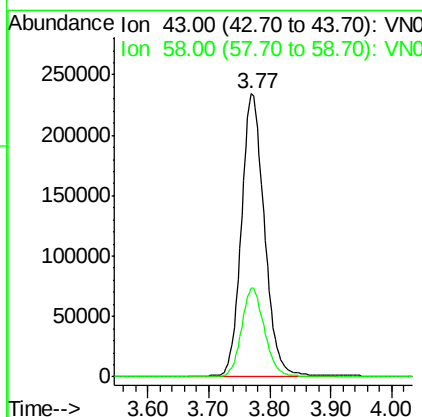
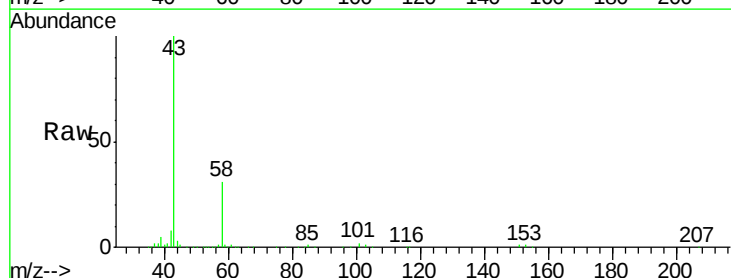
RT: 3.77 min Scan# 621

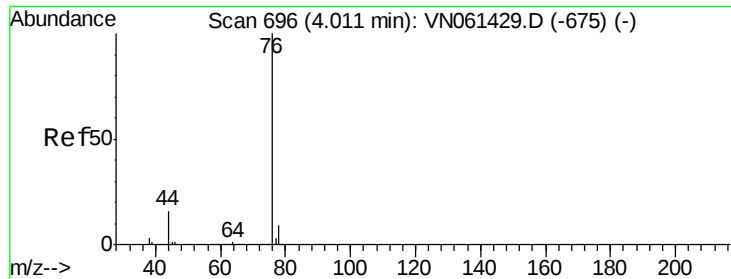
Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	43	Resp:	617555
Ion Ratio	Lower	Upper	
43	100		
58	31.2	25.6	38.4





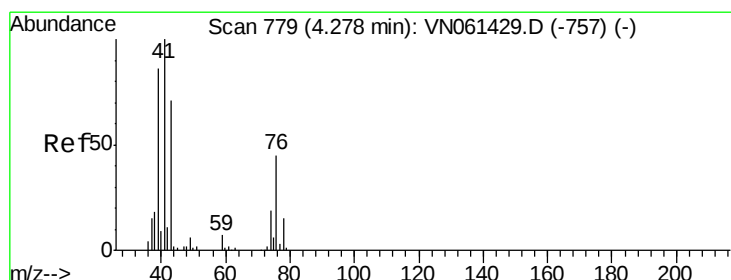
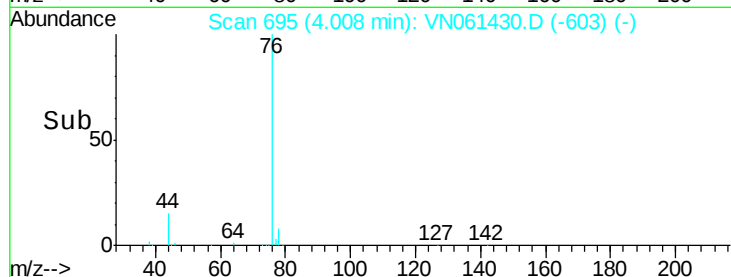
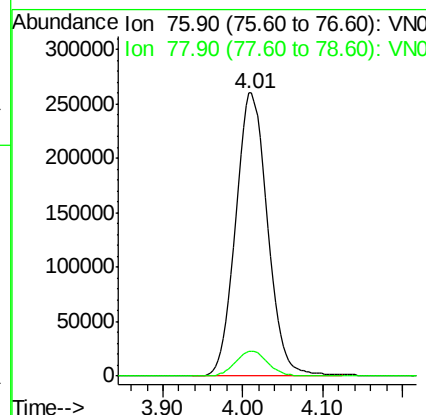
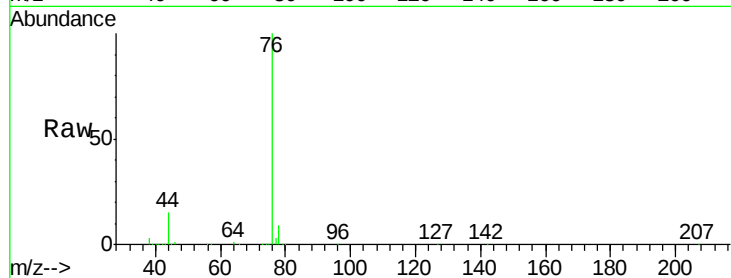
#17
Carbon Disulfide
Concen: 82.558 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

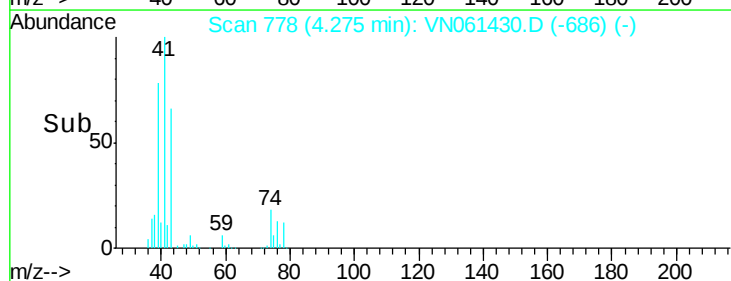
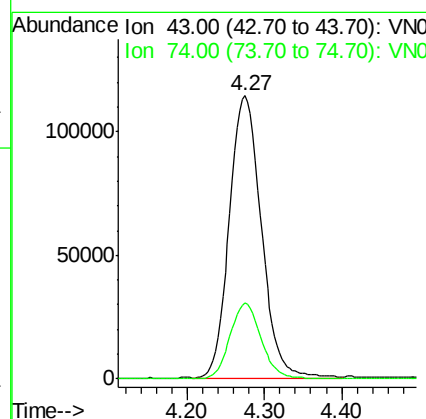
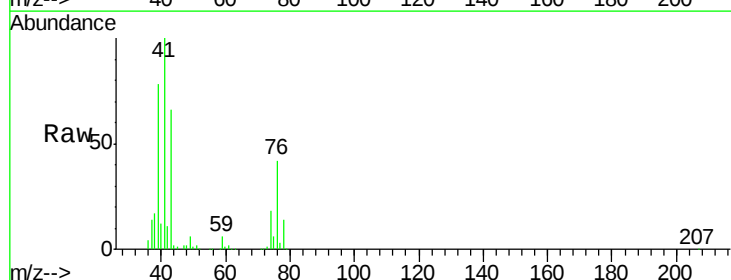
Manual Integrations
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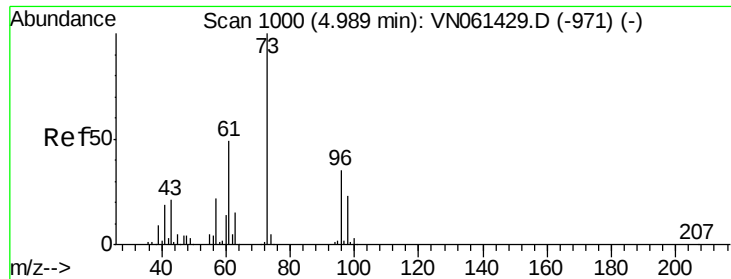
MMDadoda
5/19/2020 4:25:37 PM



#18
Methyl Acetate
Concen: 88.527 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.8	31.2





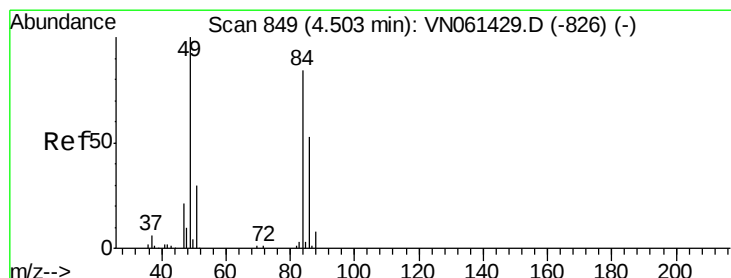
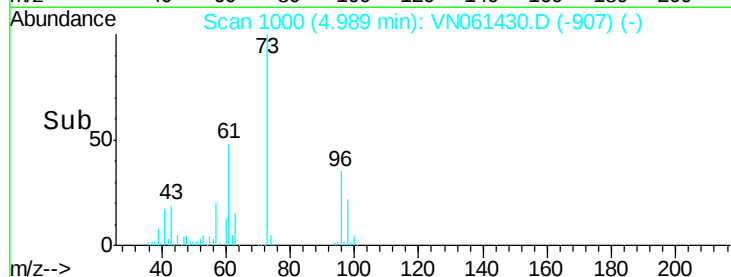
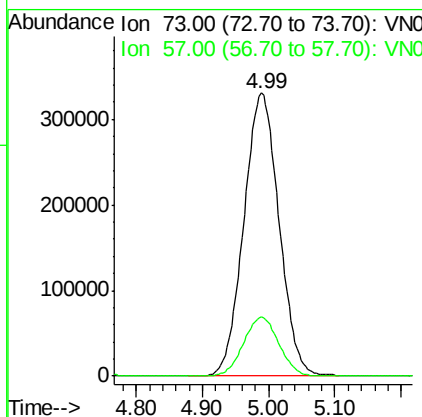
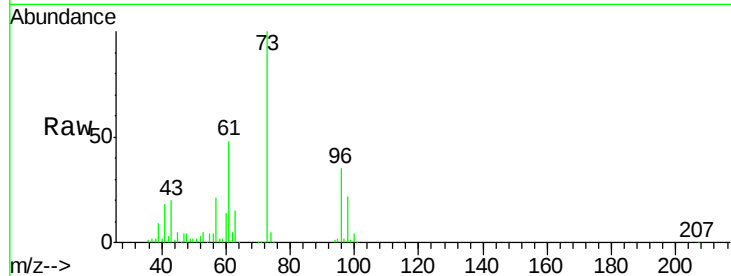
#19
Methvl tert-butvl Ether
Concen: 94.375 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1222144
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0

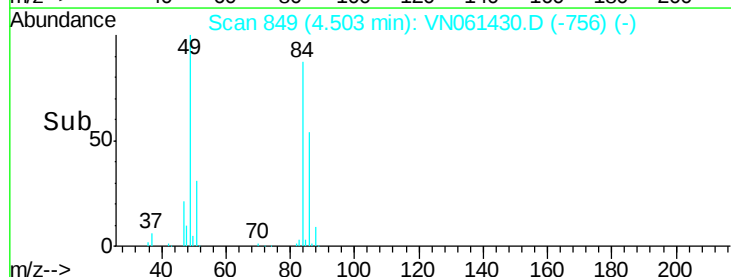
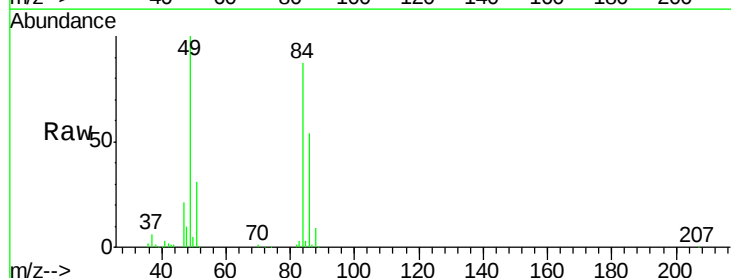
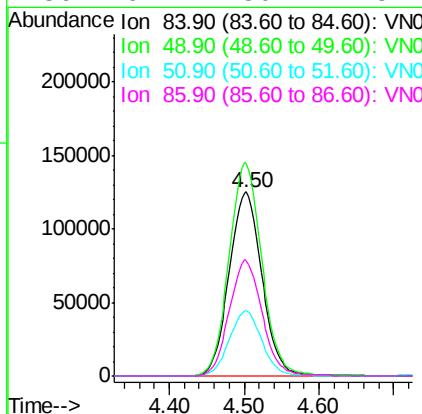
Manual Integrations
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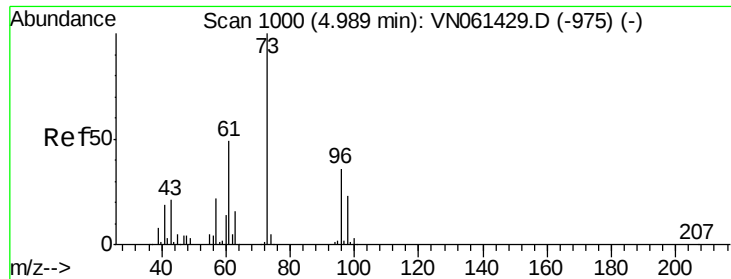
MMDadoda
5/19/2020 4:25:37 PM



#20
Methylene Chloride
Concen: 95.750 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 84 Resp: 382017
Ion Ratio Lower Upper
84 100
49 115.6 95.3 142.9
51 35.8 29.0 43.6
86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 94.871 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

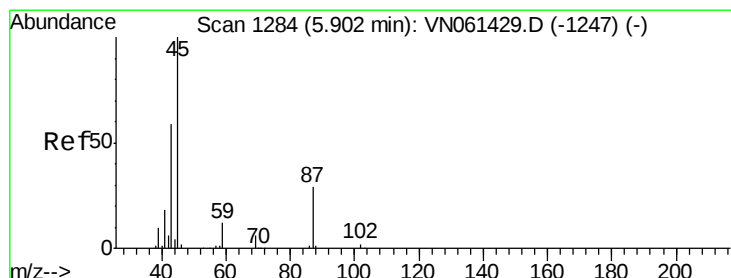
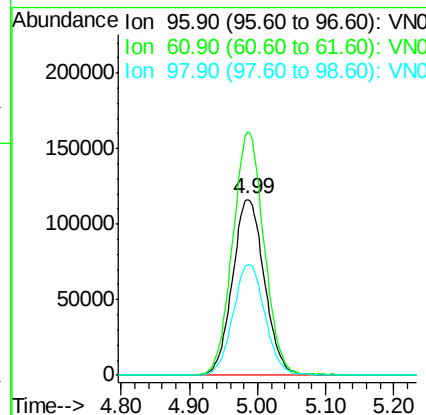
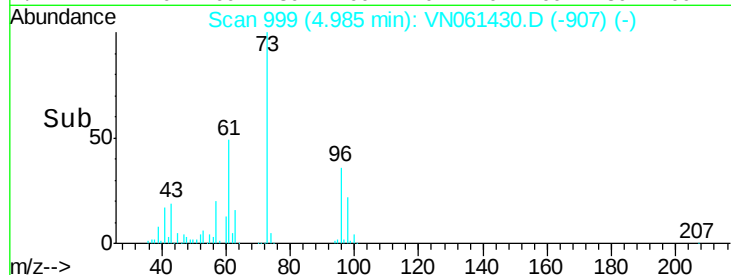
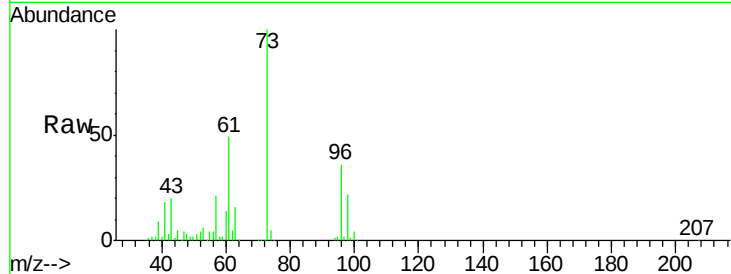
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	379526
Ion	Ratio	Lower	Upper
96	100		
61	138.4	109.8	164.6
98	62.9	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 90.274 ug/l

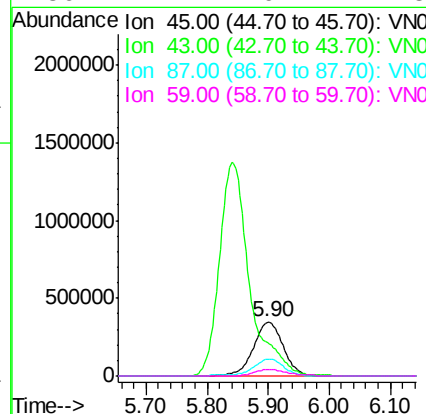
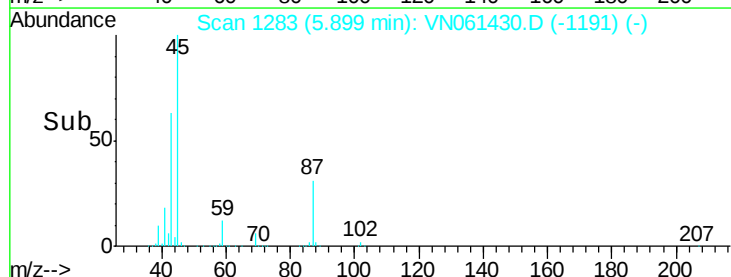
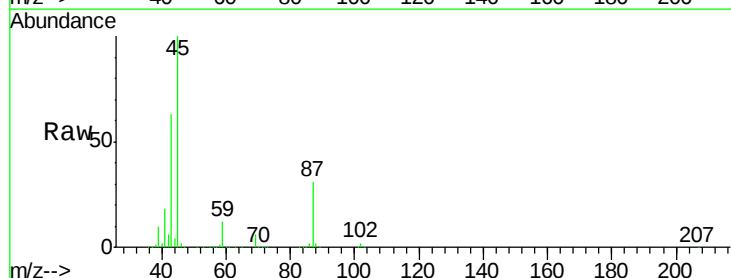
RT: 5.90 min Scan# 1283

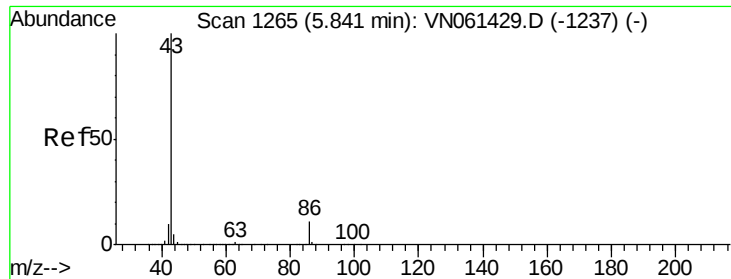
Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	45	Resp:	1177637
Ion	Ratio	Lower	Upper
45	100		
43	61.8	47.9	71.9
87	31.1	24.0	36.0
59	12.2	9.7	14.5





#23

Vinyl Acetate

Concen: 445.220 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4727823

Ion Ratio Lower Upper

43 100

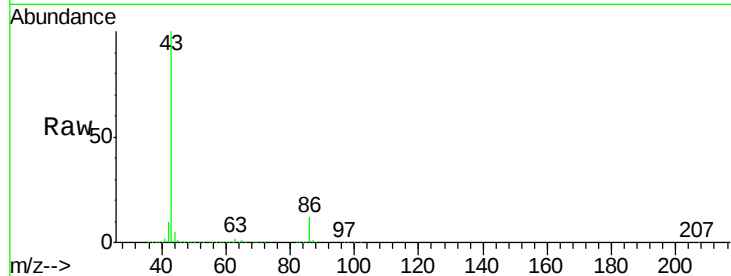
86 12.2 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN061430.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN061430.D (-1172) (-)

5.84

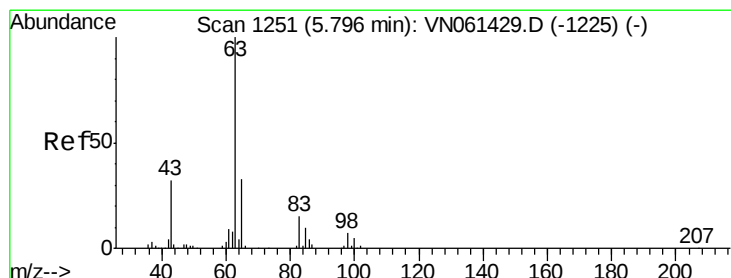
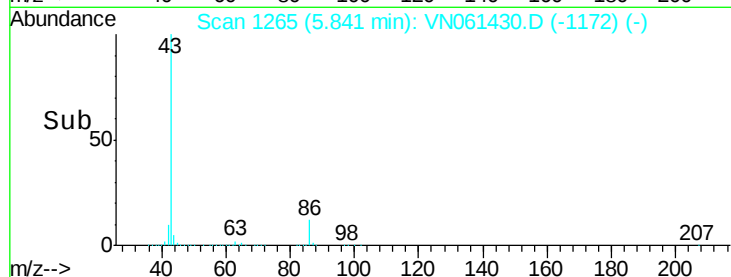
1500000

1000000

500000

0

Time--> 5.60 5.80 6.00



#24

1,1-Dichloroethane

Concen: 93.029 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

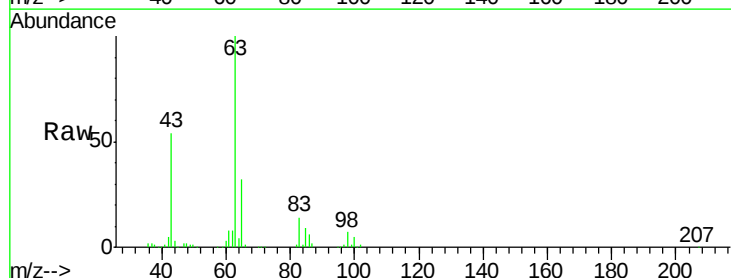
Tgt Ion: 63 Resp: 693127

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.8 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN061430.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061430.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061430.D (-1158) (-)

5.80

300000

250000

200000

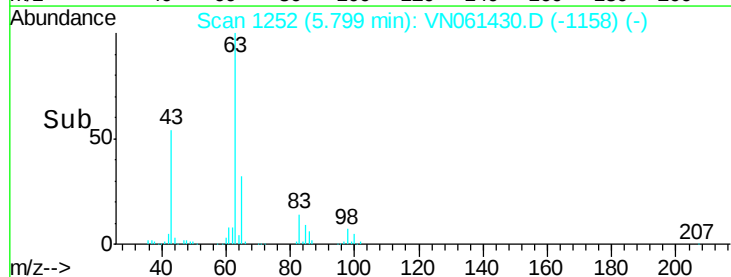
150000

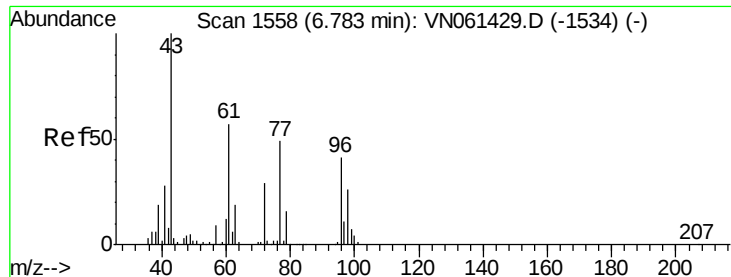
100000

50000

0

Time--> 5.70 5.80 5.90





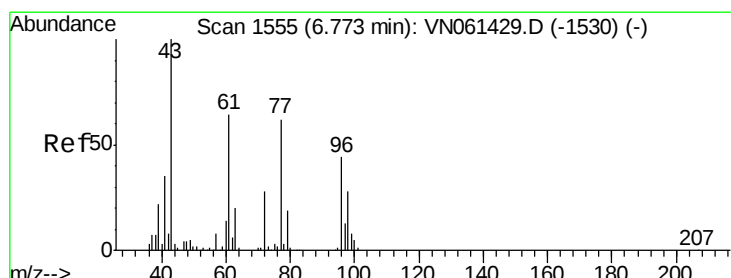
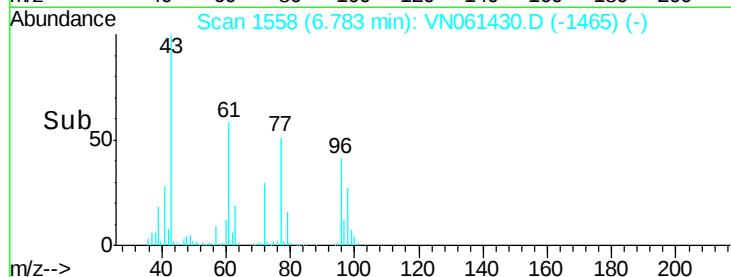
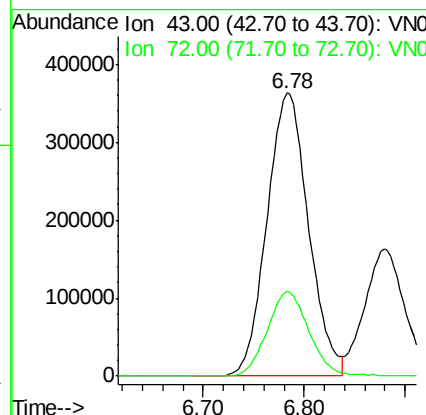
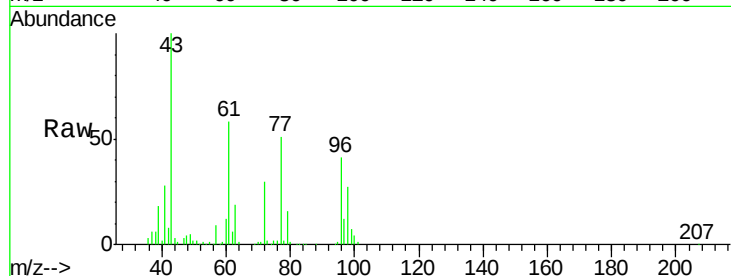
#25
2-Butanone
Concen: 496.054 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1037998
Ion Ratio Lower Upper
43 100
72 30.0 23.0 34.6

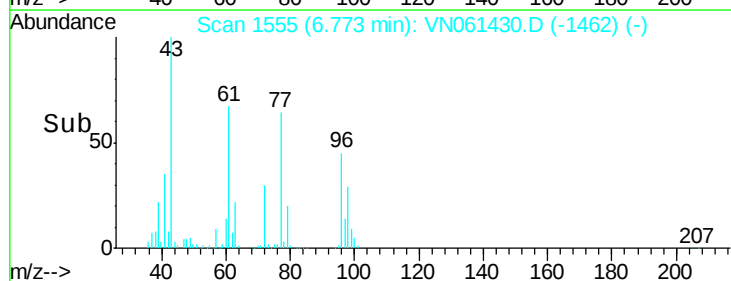
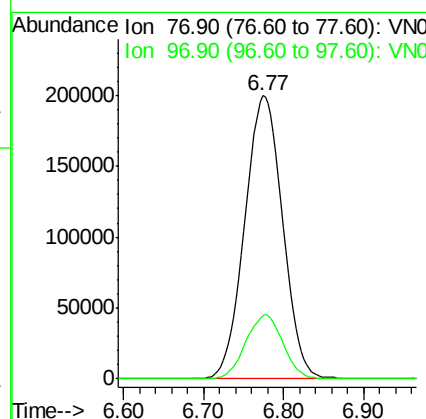
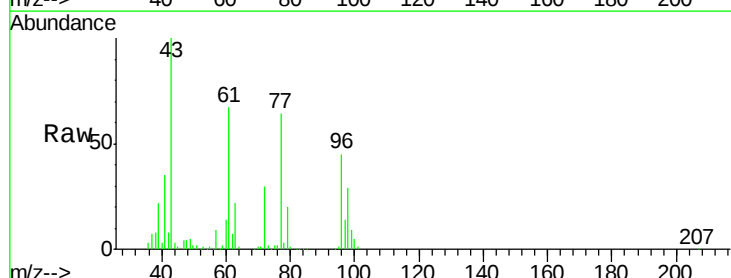
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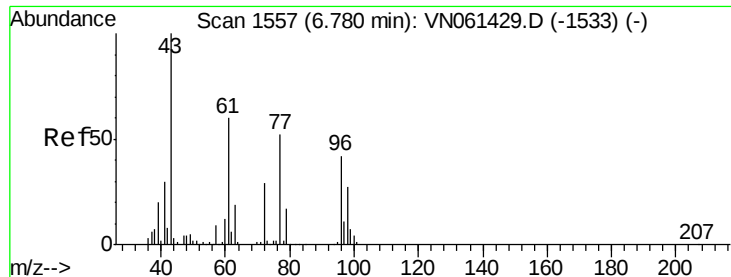
MMDadoda
5/19/2020 4:25:37 PM



#26
2,2-Dichloropropane
Concen: 100.861 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 77 Resp: 643493
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 95.668 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

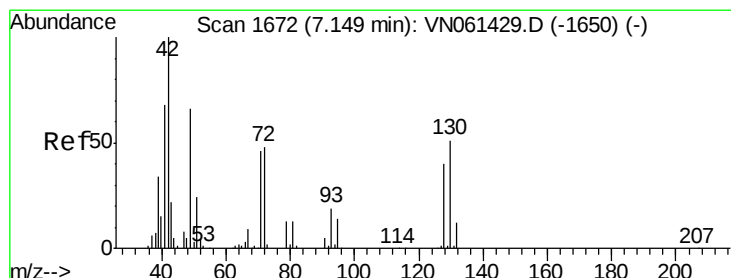
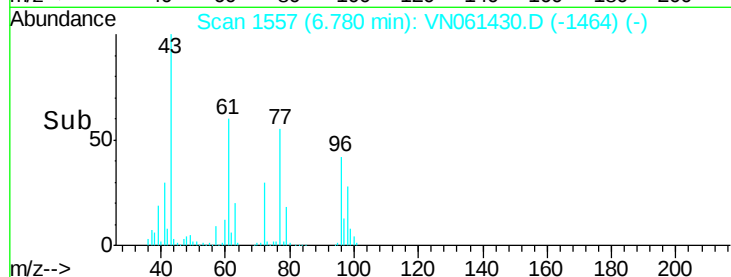
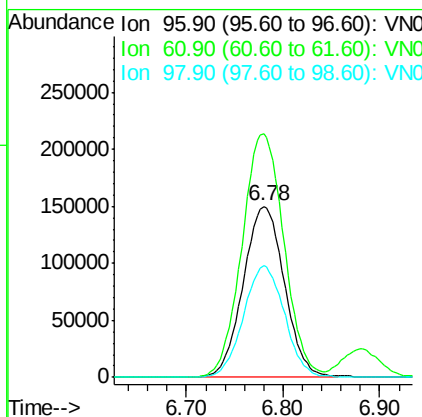
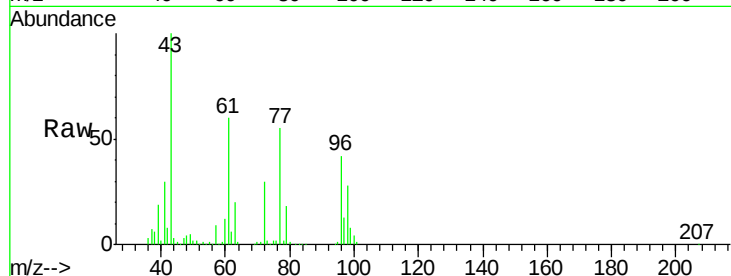
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	444441
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	294.2
98	65.1	0.0	128.2

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#28

Bromochloromethane

Concen: 96.211 ug/l

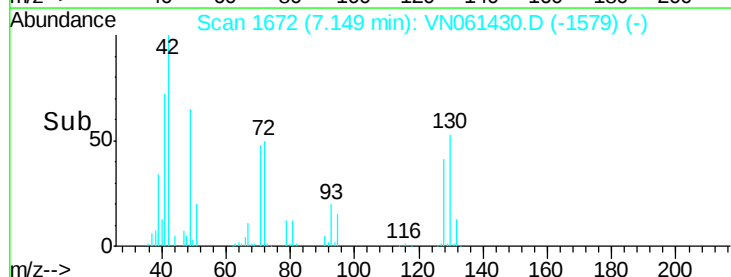
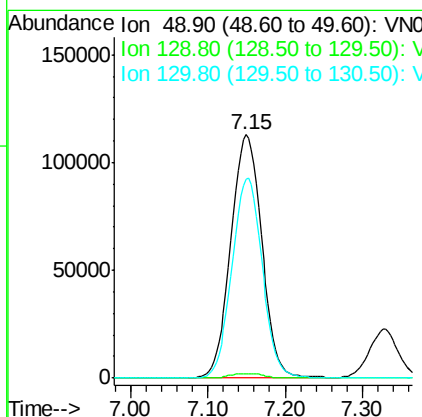
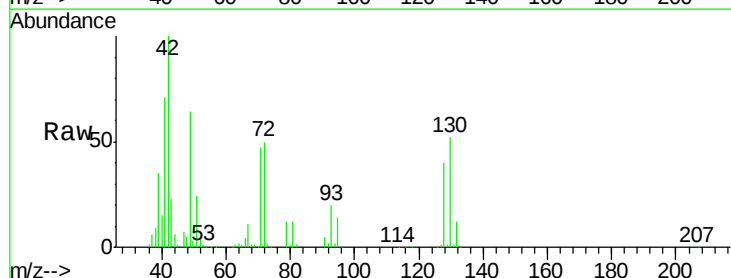
RT: 7.15 min Scan# 1672

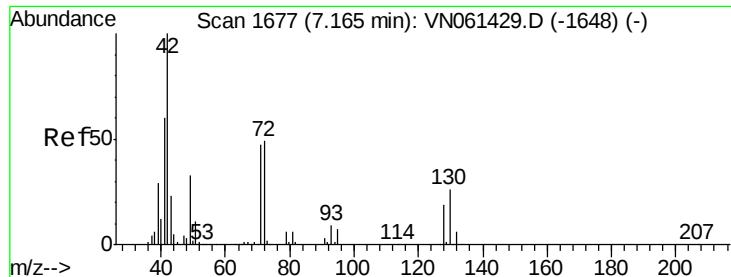
Delta R.T. -0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	49	Resp:	314762
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	80.2	62.2	93.2





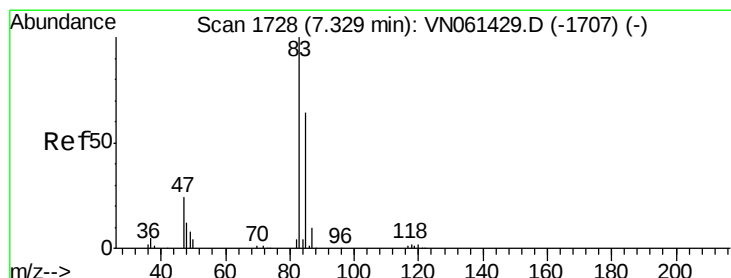
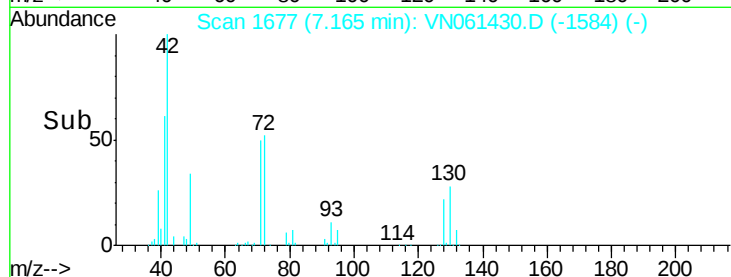
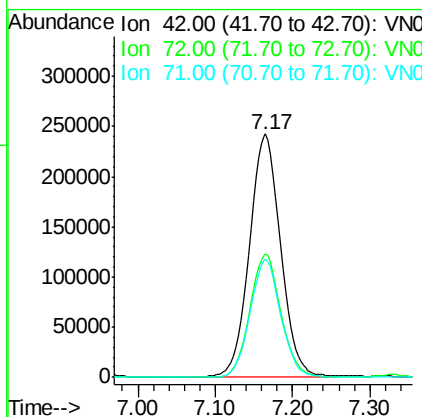
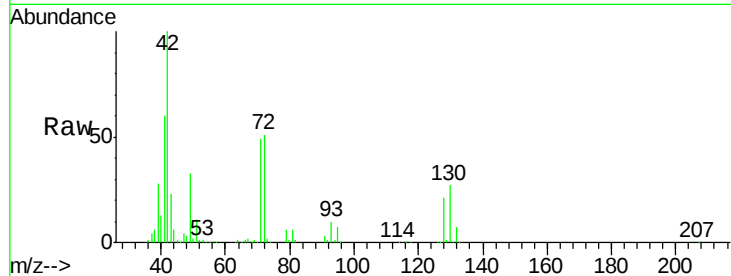
#29
Tetrahydrofuran
Concen: 481.257 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.4	39.0	58.6
71	47.5	36.9	55.3

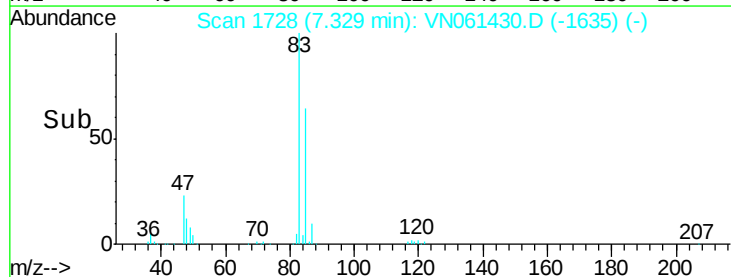
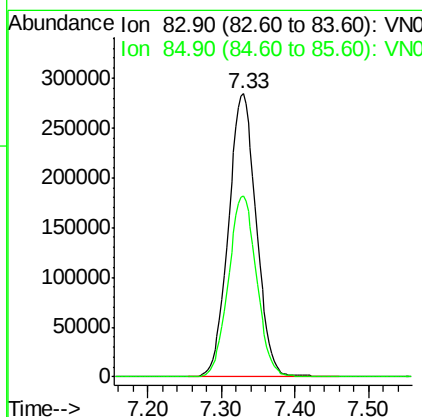
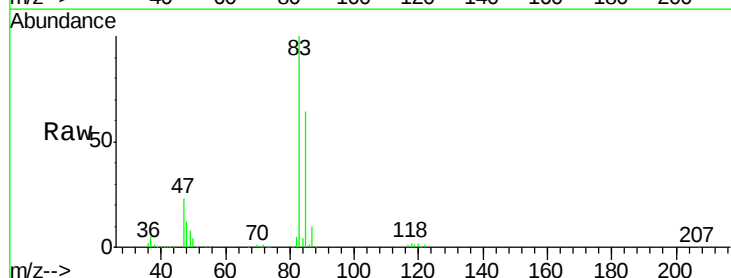
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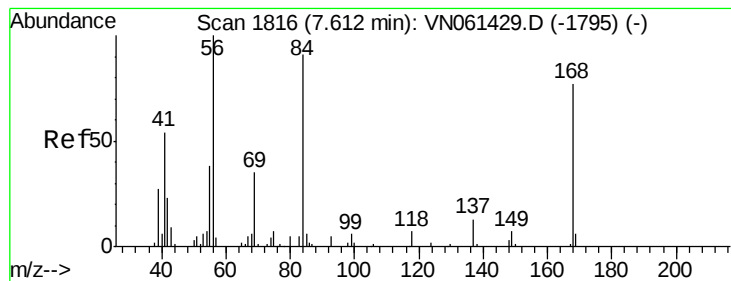
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#30
Chloroform
Concen: 95.510 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4





#31

Cyclohexane

Concen: 83.350 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 609627
Ion Ratio Lower Upper

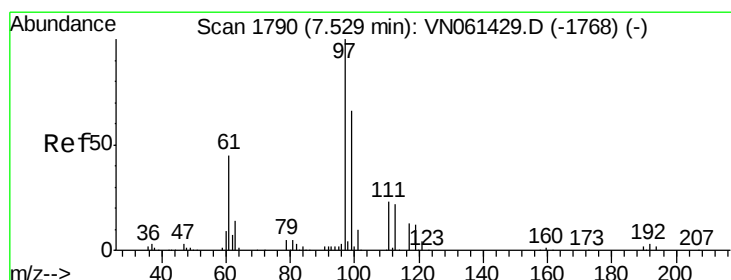
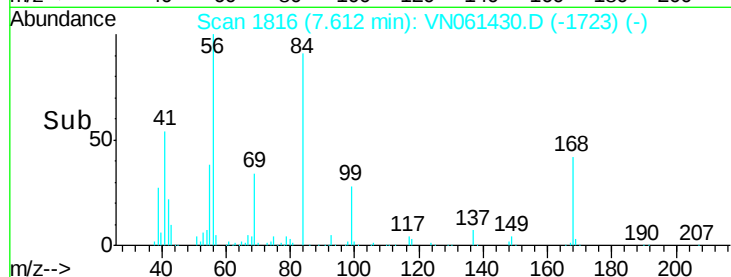
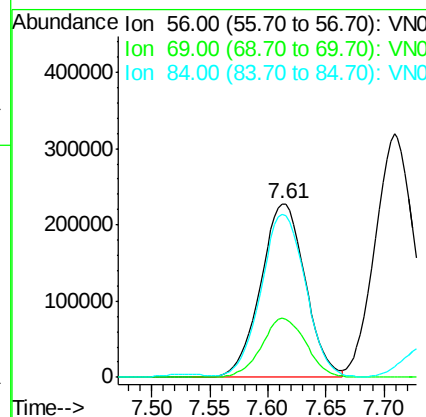
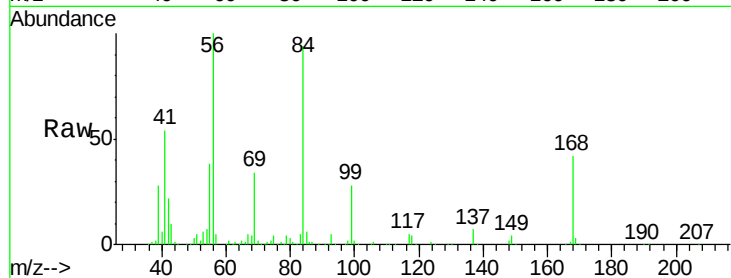
56 100

69 33.8 27.8 41.6

84 92.1 72.7 109.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 97.147 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061430.D

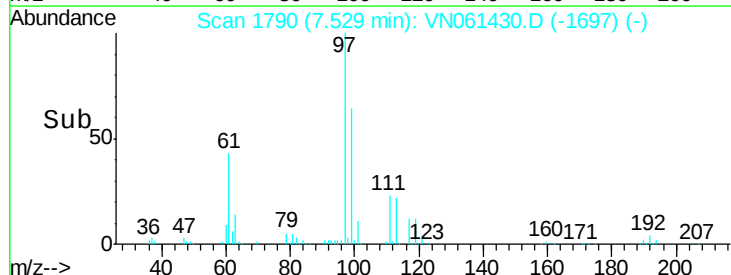
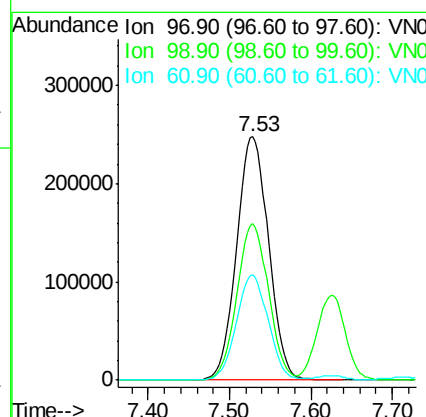
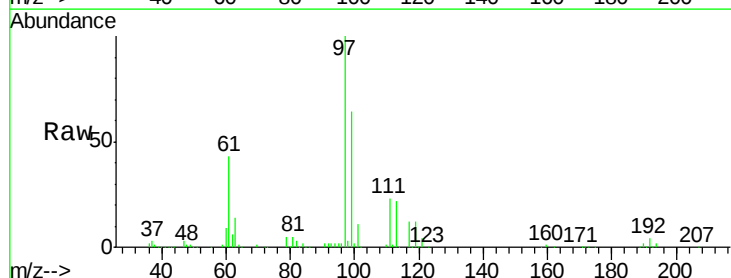
Acq: 18 May 2020 12:23

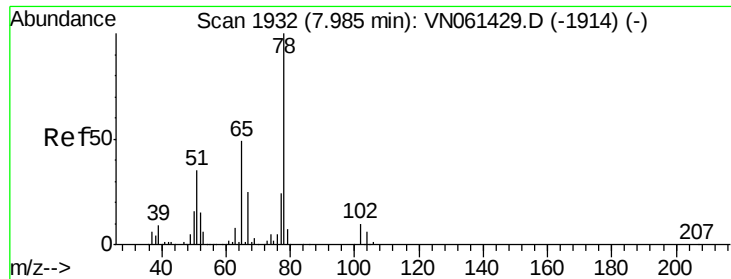
Tgt Ion: 97 Resp: 676197
Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

61 43.0 35.8 53.6





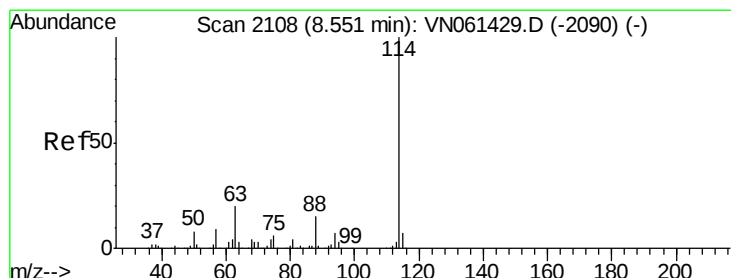
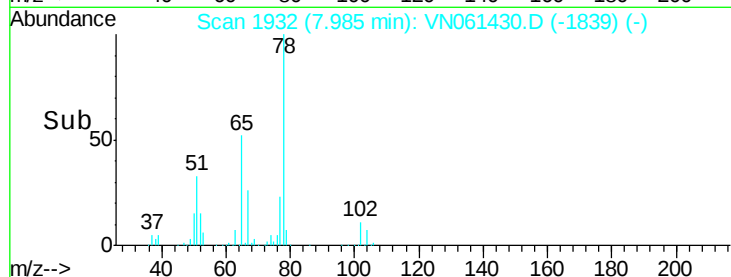
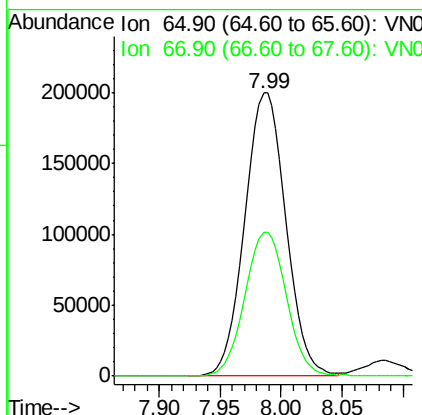
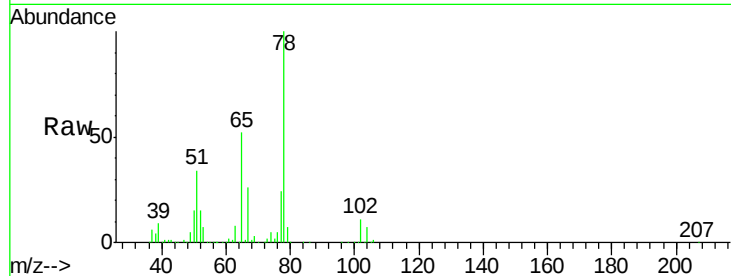
#33
 1,2-Dichloroethane-d4
 Concen: 93.055 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	466003		
67	51.5	0.0	101.4	

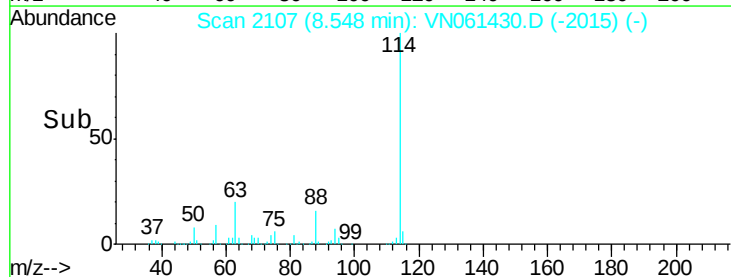
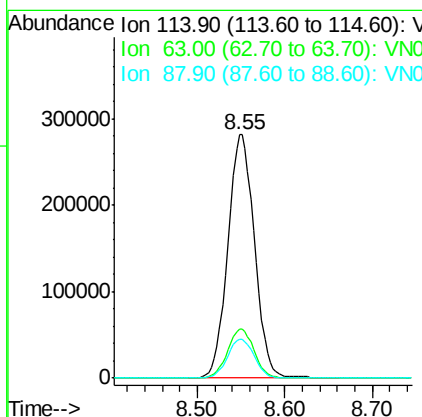
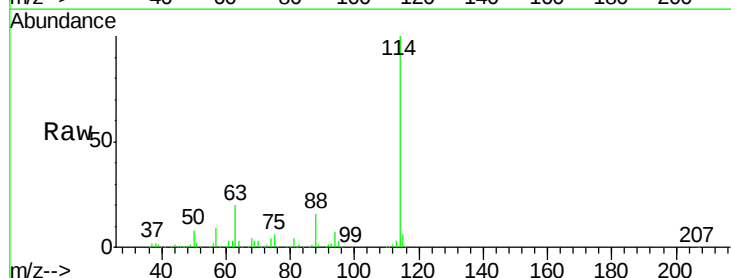
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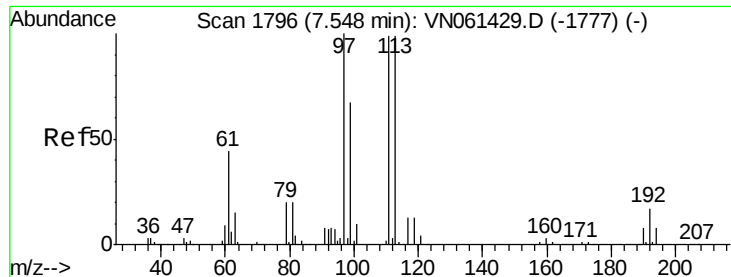
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	594329		
63	20.1	0.0	40.8	
88	16.1	0.0	30.8	





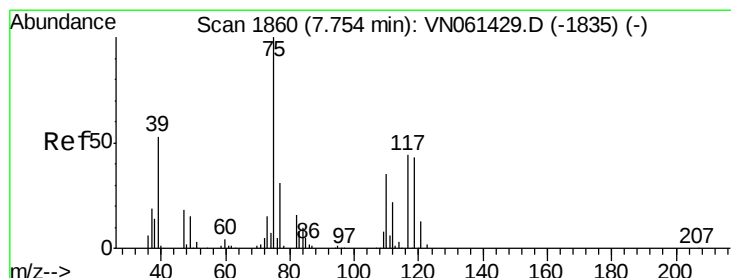
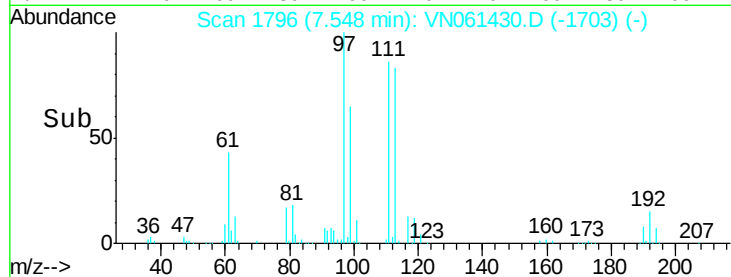
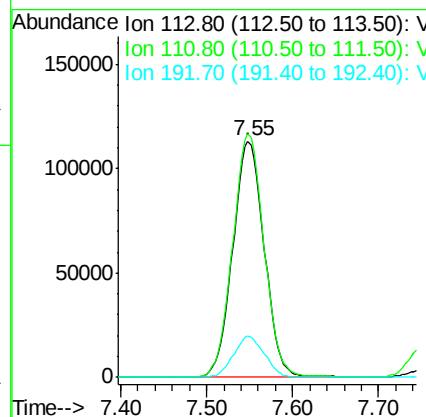
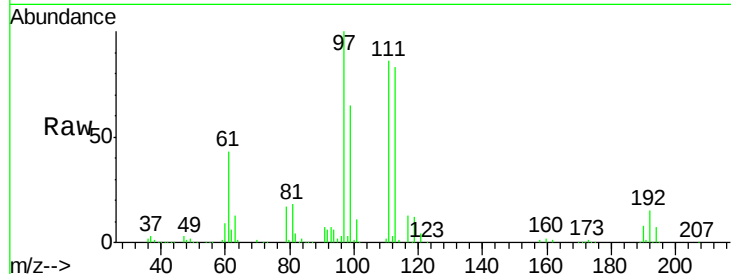
#35
 Dibromofluoromethane
 Concen: 96.226 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	287348		
111	102.3	80.6	121.0	
192	17.1	13.2	19.8	

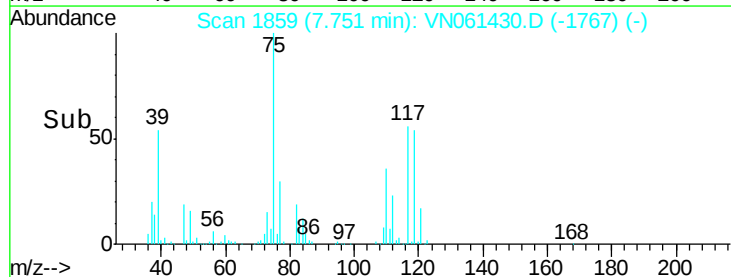
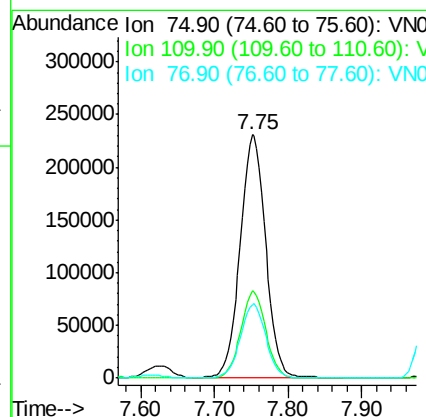
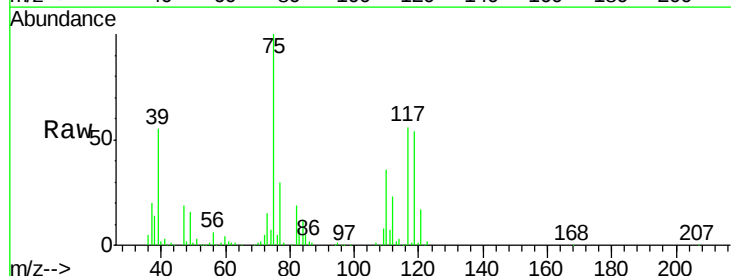
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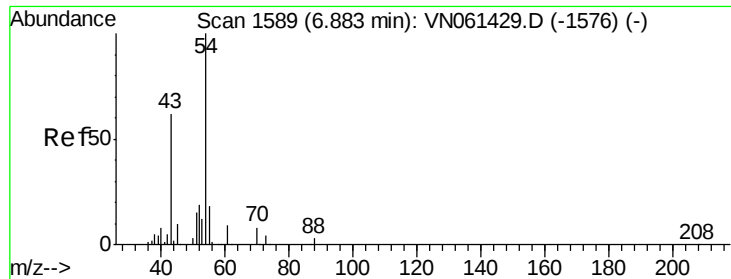
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#36
 1,1-Dichloropropene
 Concen: 93.751 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	555887		
110	35.3	17.3	51.9	
77	30.6	24.9	37.3	





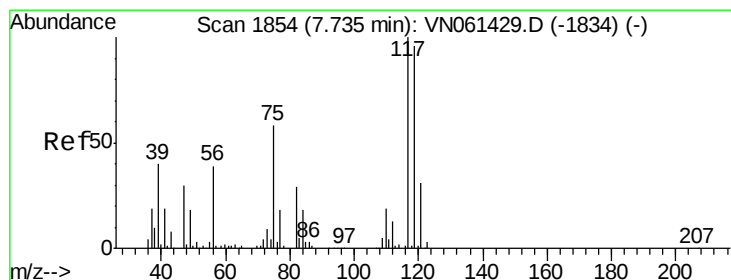
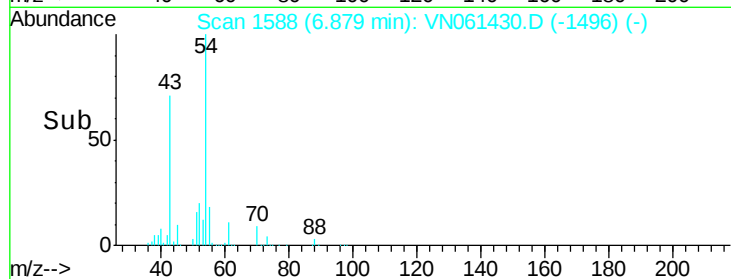
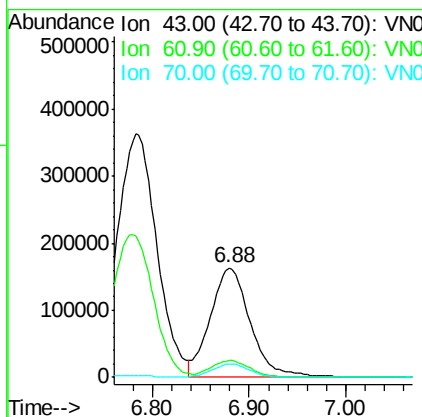
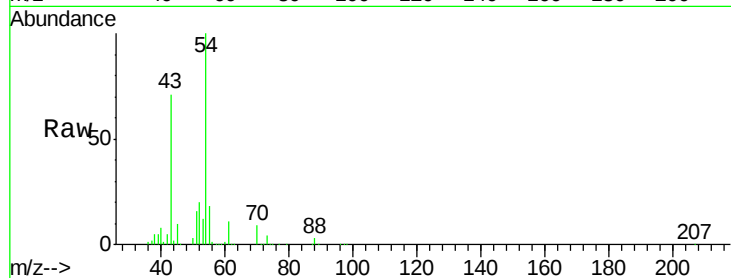
#37
Ethyl Acetate
Concen: 93.166 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.7		11.7	17.5
70	11.7		9.2	13.8

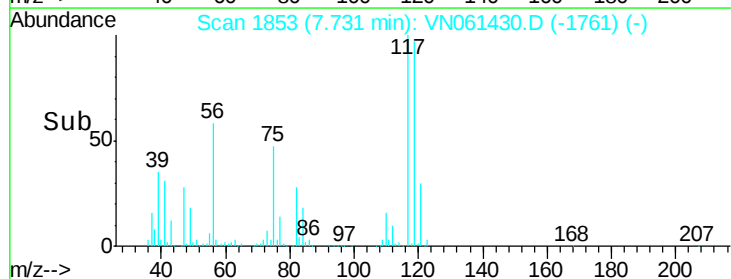
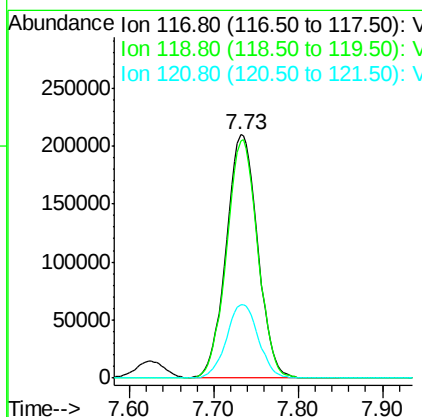
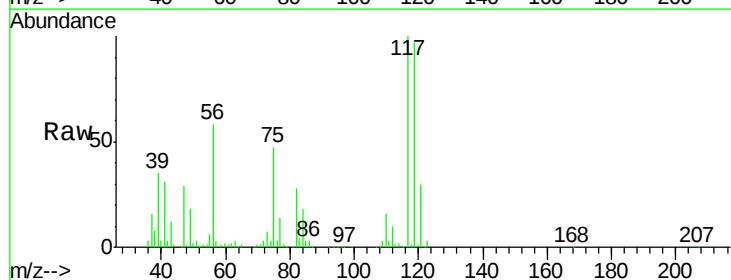
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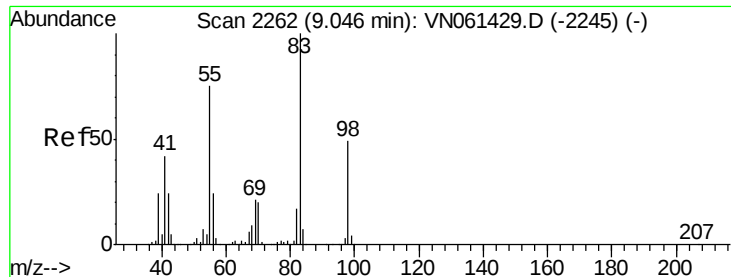
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#38
Carbon Tetrachloride
Concen: 106.591 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.2		77.0	115.6
121	30.1		24.7	37.1





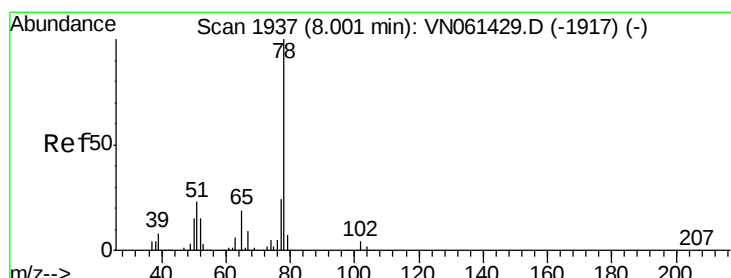
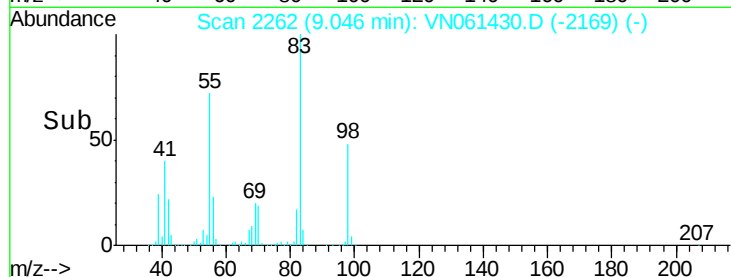
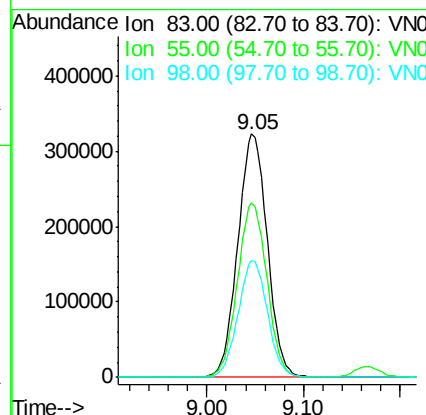
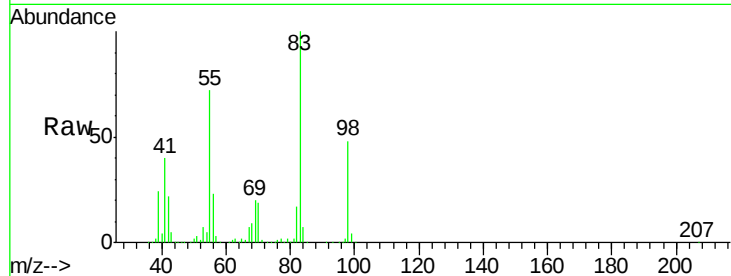
#39
Methvlcvclohexane
Concen: 96.897 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	683785		
55	71.8		59.7	89.5
98	48.0		38.9	58.3

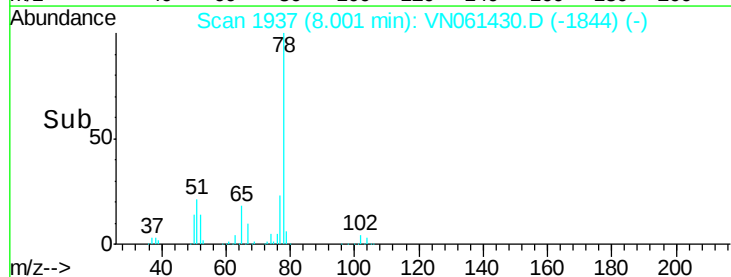
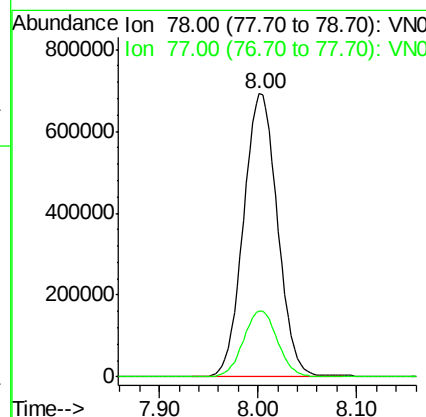
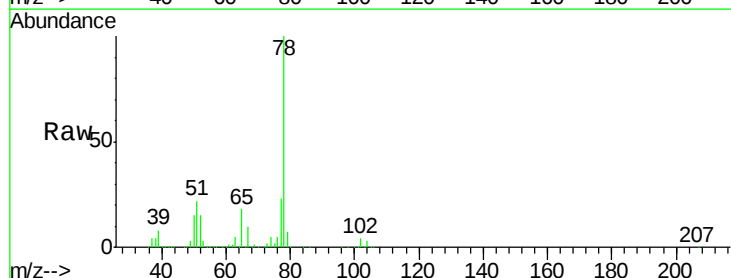
Manual Integrations
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#40
Benzene
Concen: 94.660 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1651961		
77	23.4		19.1	28.7





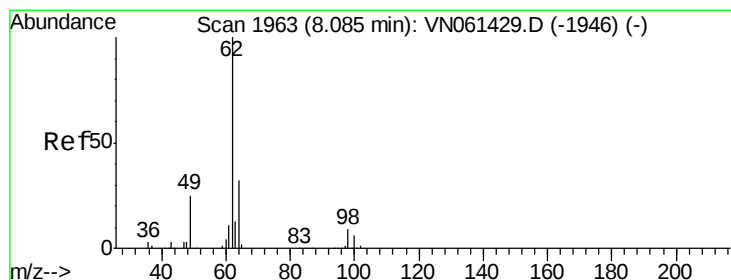
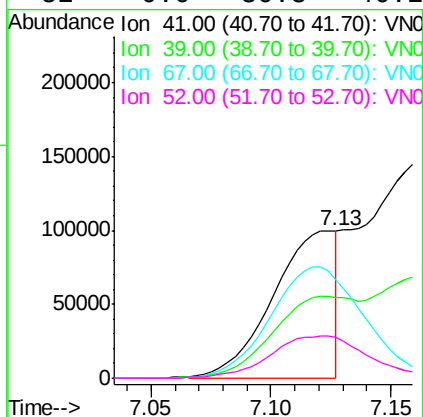
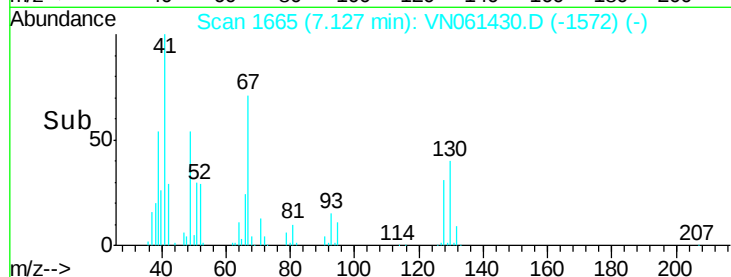
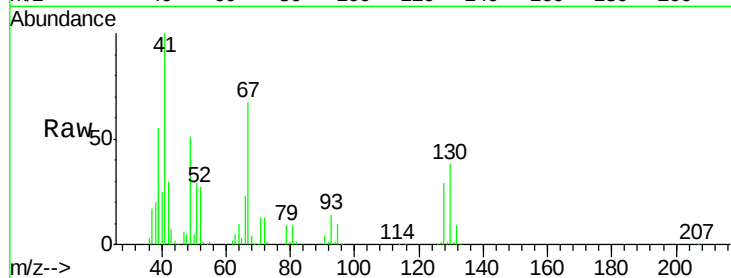
#41
Methacrylonitrile
Concen: 79.854 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#

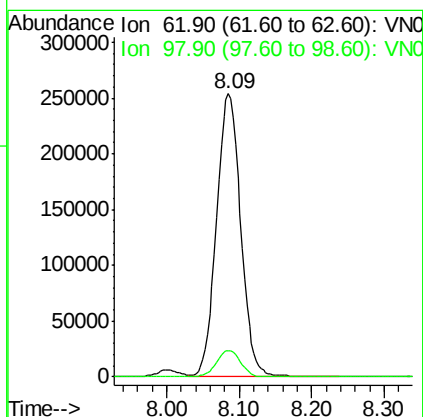
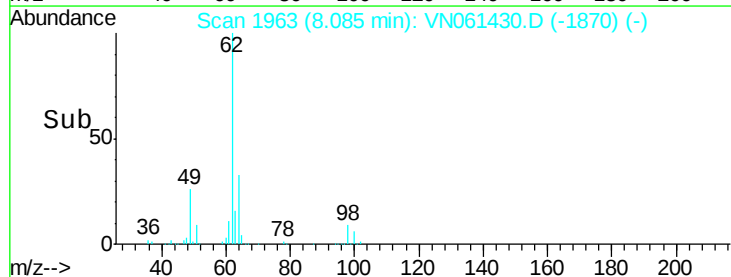
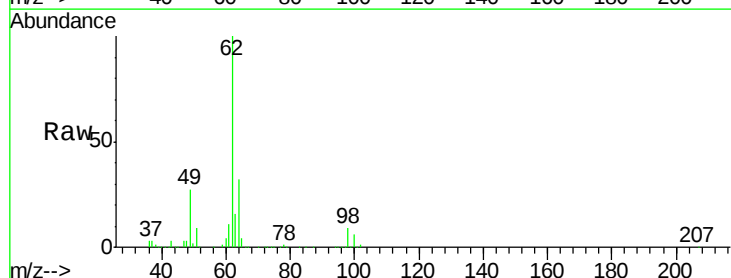
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 93.615 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





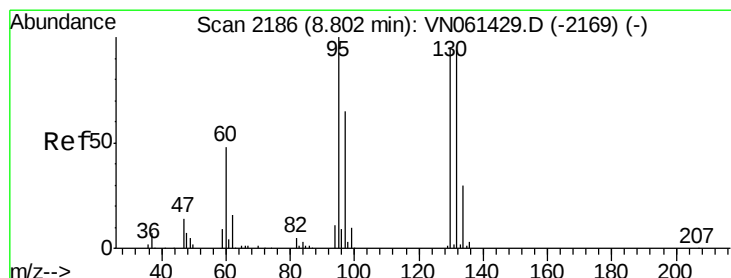
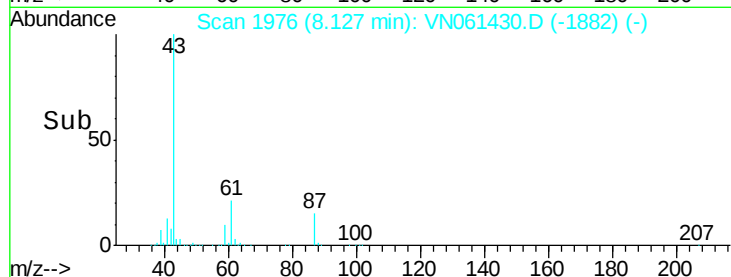
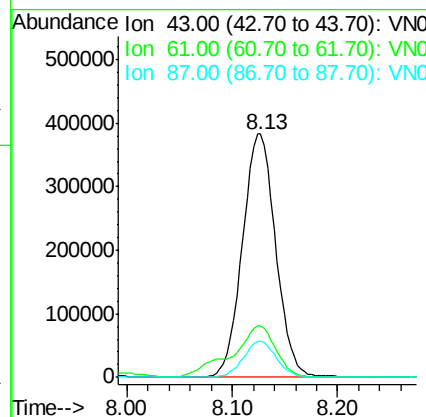
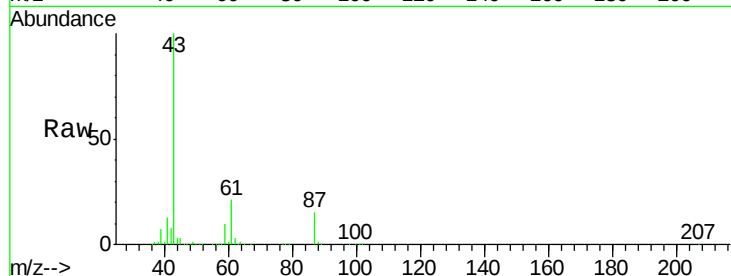
#43
Isopropyl Acetate
Concen: 87.994 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.0	34.4
87	14.8	11.6	17.4

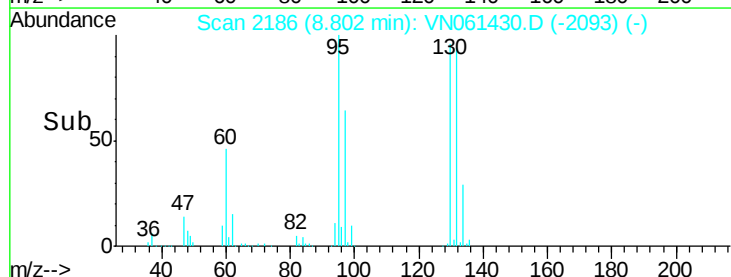
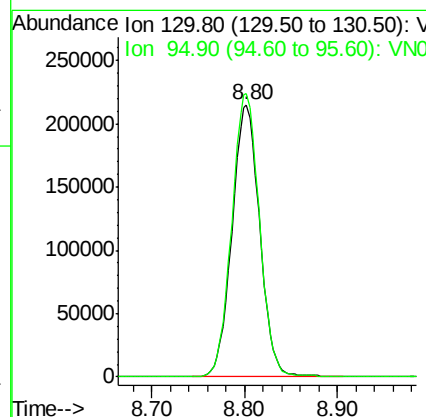
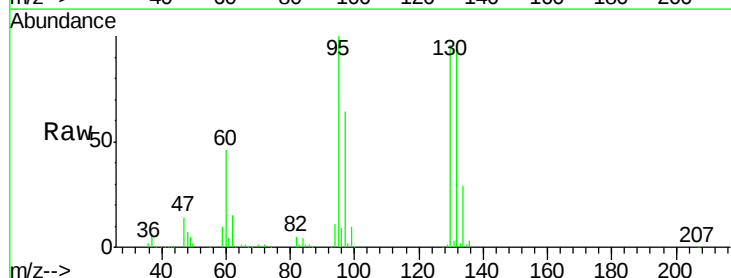
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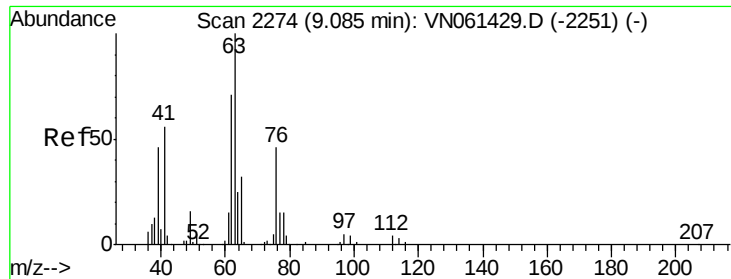
MMDadoda
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#44
Trichloroethene
Concen: 98.640 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	209.8





#45

1,2-Dichloropropane

Concen: 93.218 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 409795

Ion Ratio Lower Upper

63 100

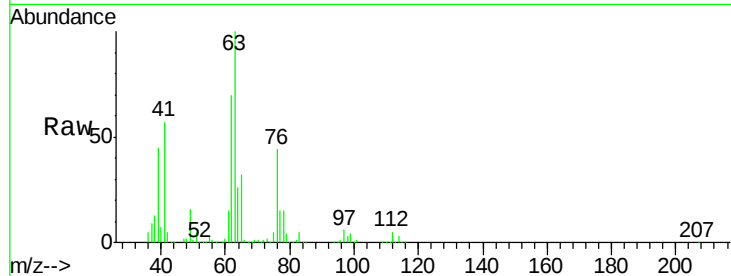
65 31.6 25.2 37.8

Manual Integrations

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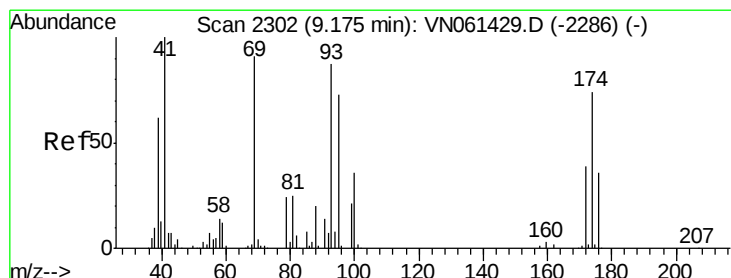
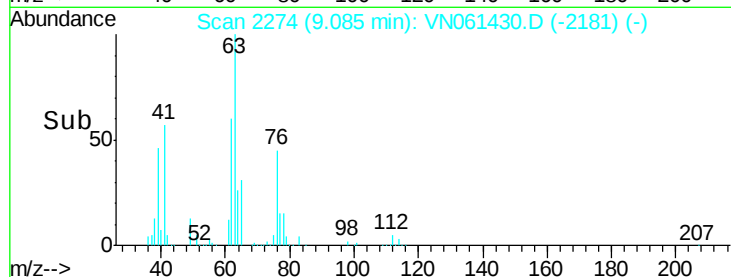
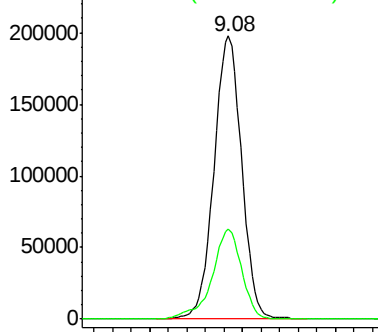
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 97.828 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

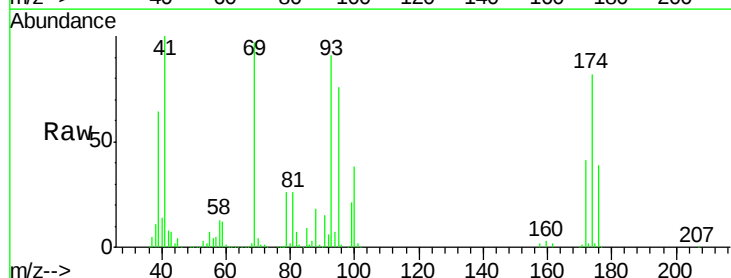
Tgt Ion: 93 Resp: 289195

Ion Ratio Lower Upper

93 100

95 83.0 65.6 98.4

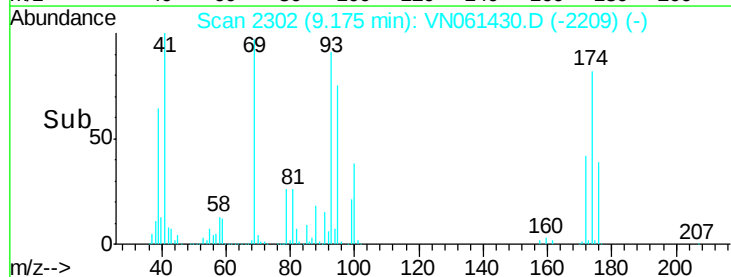
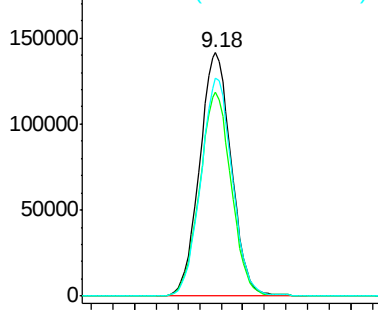
174 88.9 68.0 102.0

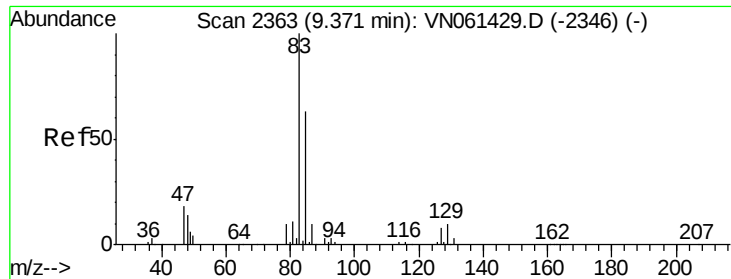


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 96.181 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

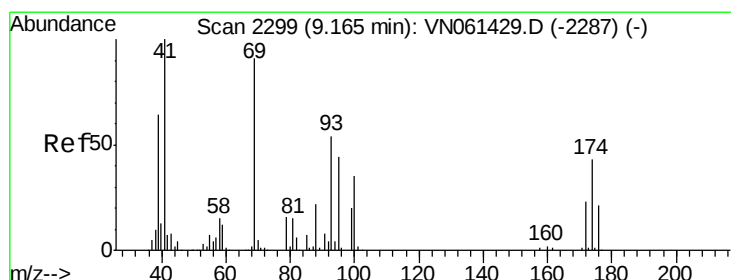
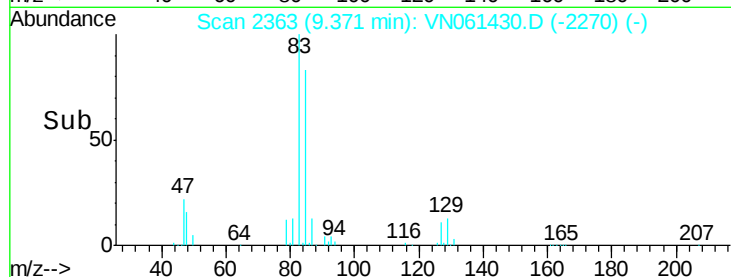
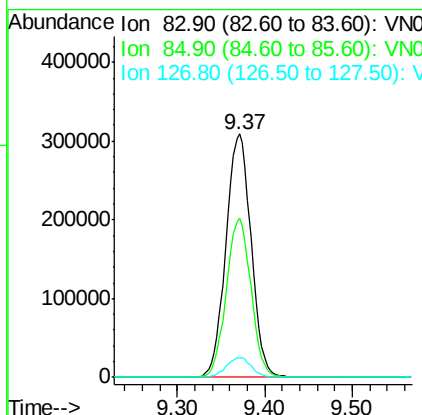
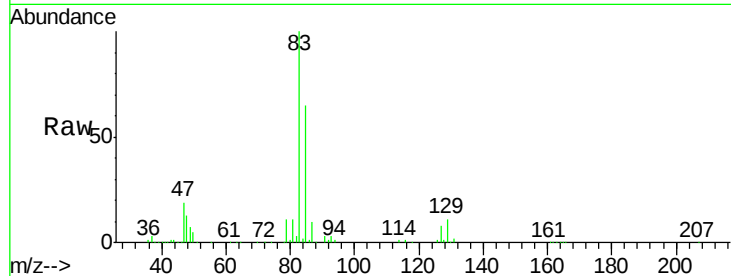
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	617268
Ion Ratio	Lower	Upper	
83	100		
85	65.3	50.6	76.0
127	8.3	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 87.840 ug/l

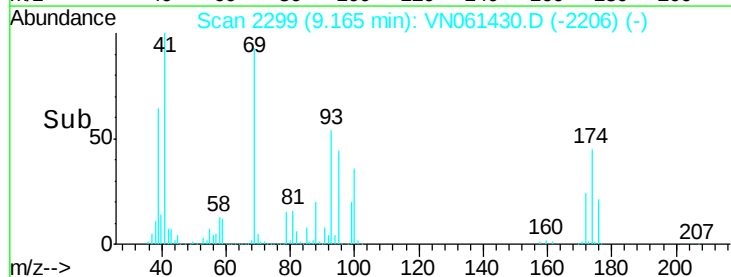
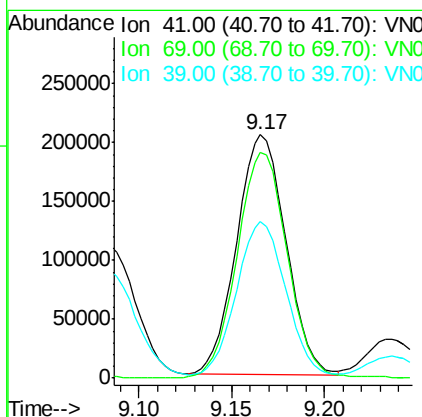
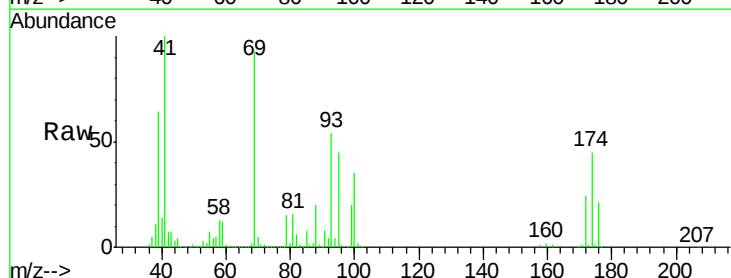
RT: 9.17 min Scan# 2299

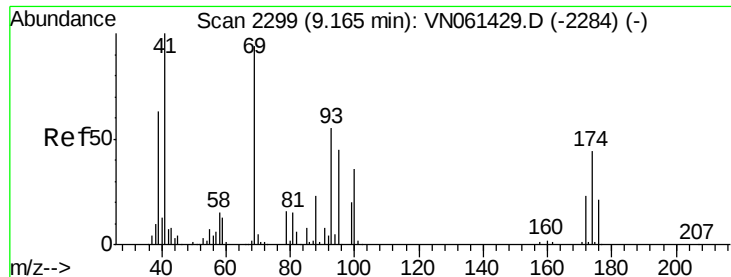
Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	41	Resp:	377788
Ion Ratio	Lower	Upper	
41	100		
69	95.9	75.3	112.9
39	66.1	52.6	79.0





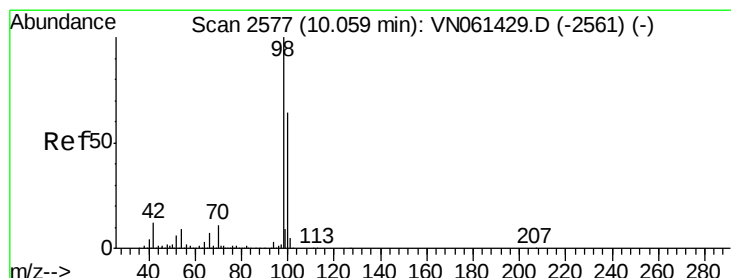
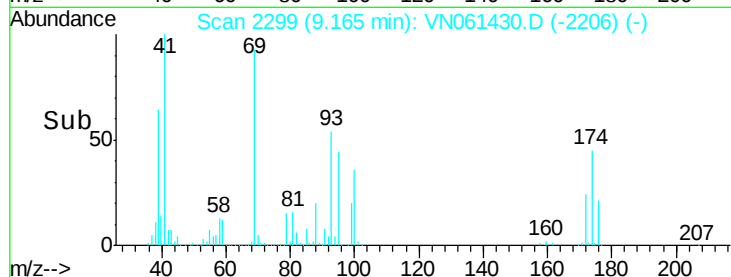
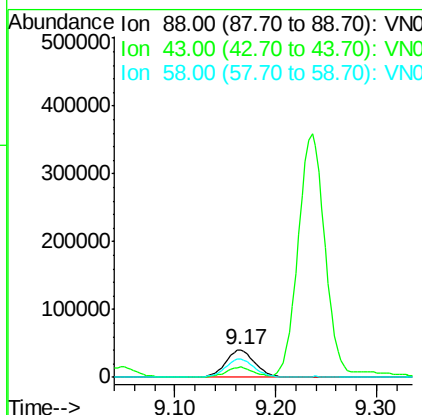
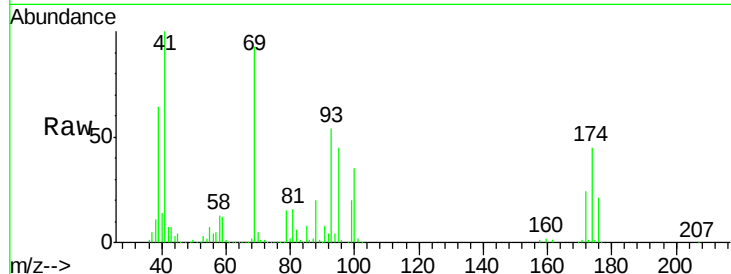
#49
1,4-Dioxane
Concen: 2971.026 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	26.3	39.5
58	66.9	54.1	81.1

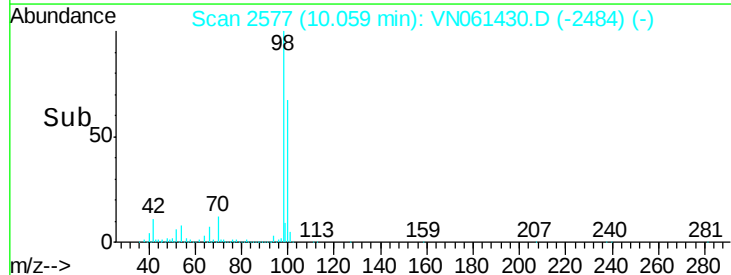
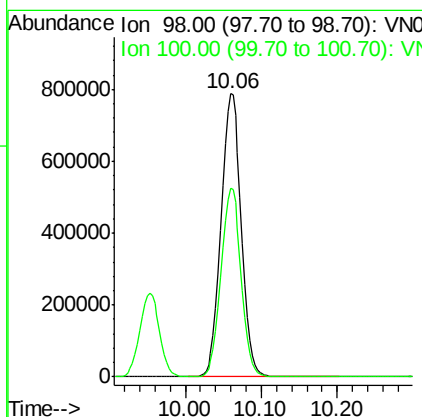
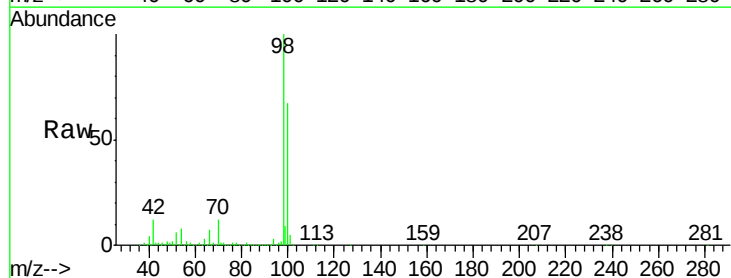
Manual Integrations
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#50
Toluene-d8
Concen: 98.671 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 456.013 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2333805

Ion Ratio Lower Upper

43 100

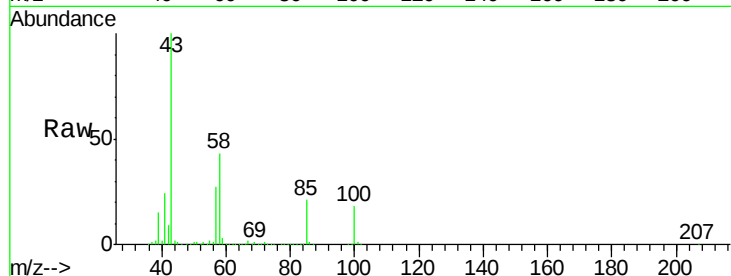
58 42.5 33.4 50.2

Manual Integrations

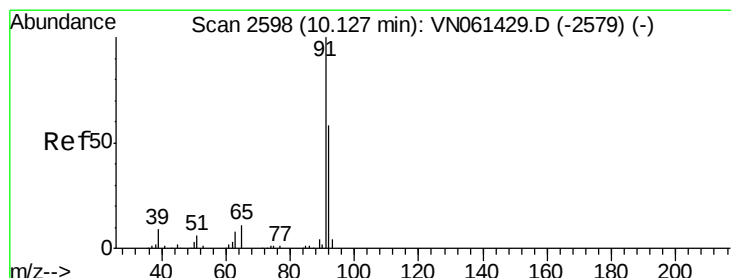
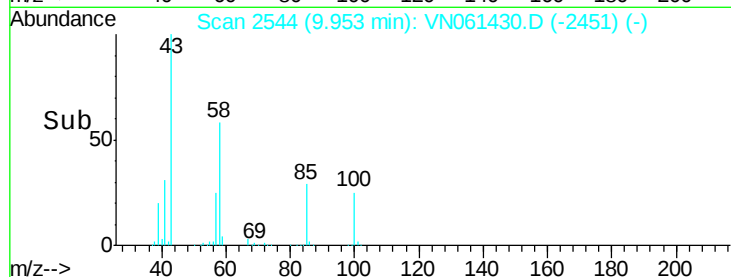
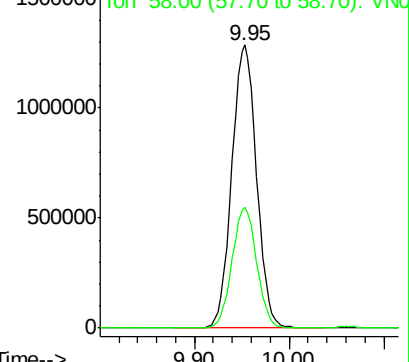
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Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)



#52

Toluene

Concen: 99.440 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061430.D

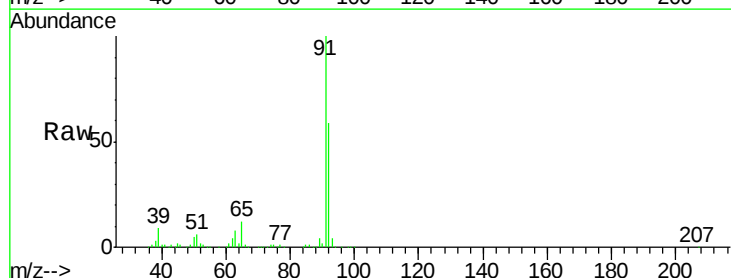
Acq: 18 May 2020 12:23

Tgt Ion: 92 Resp: 1101549

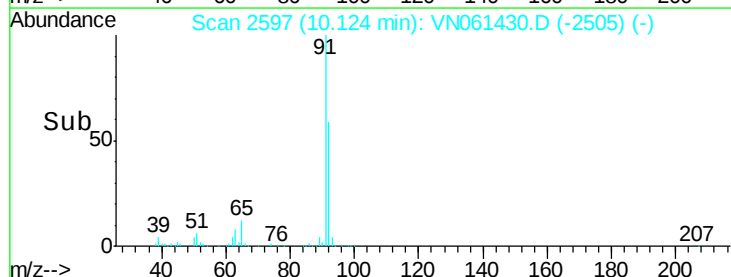
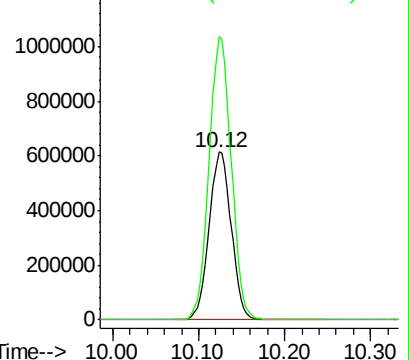
Ion Ratio Lower Upper

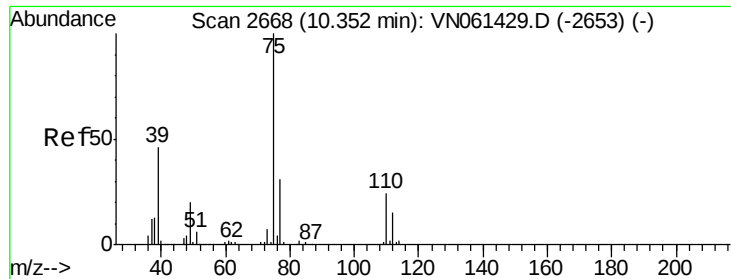
92 100

91 169.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)





#53

t-1,3-Dichloropropene

Concen: 98.687 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 692613

Ion Ratio Lower Upper

75 100

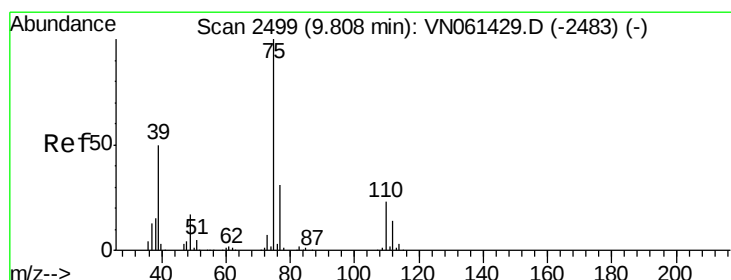
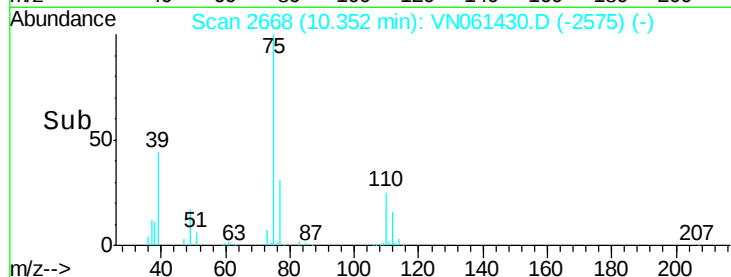
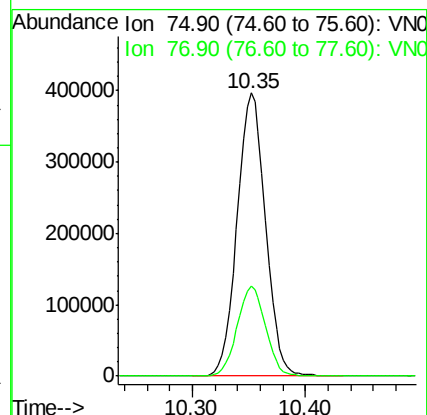
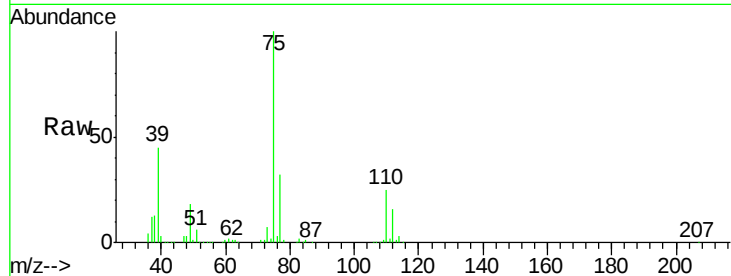
77 31.6 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 98.227 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

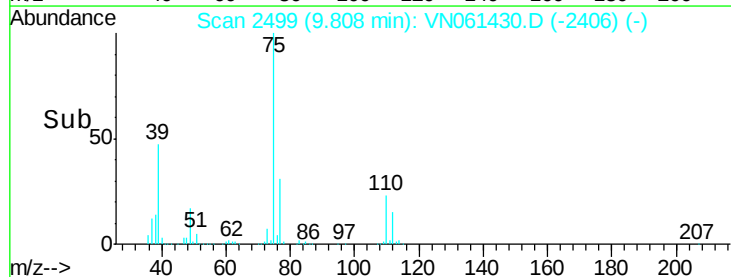
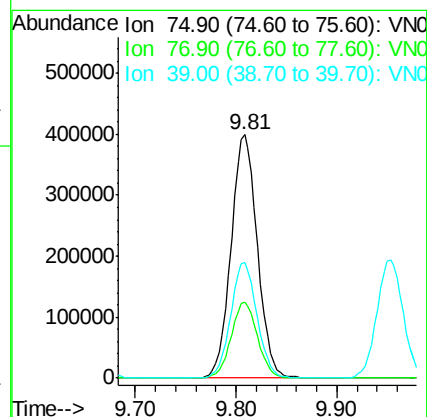
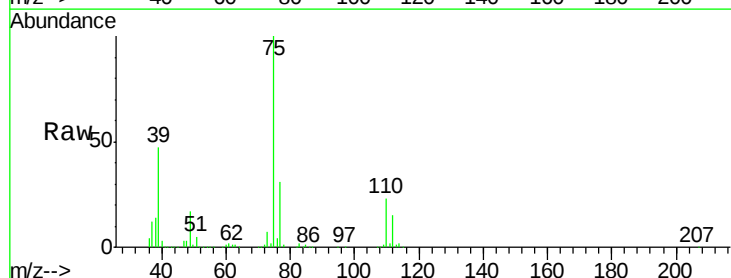
Tgt Ion: 75 Resp: 727125

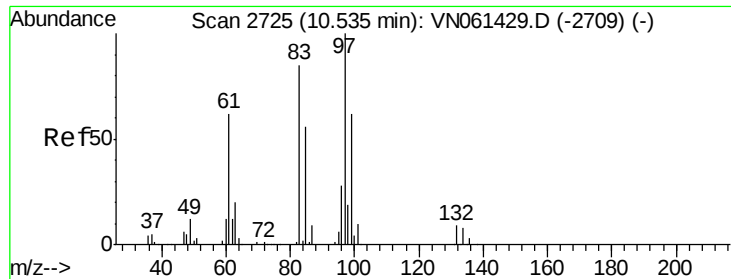
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 47.3 39.8 59.6





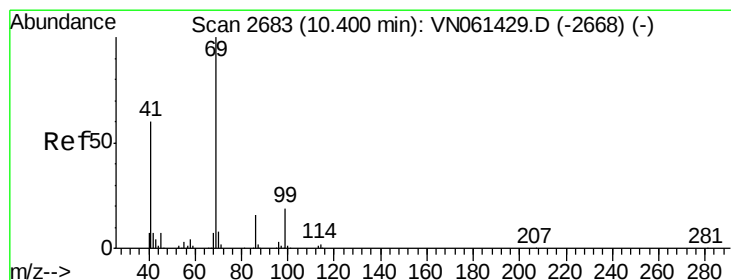
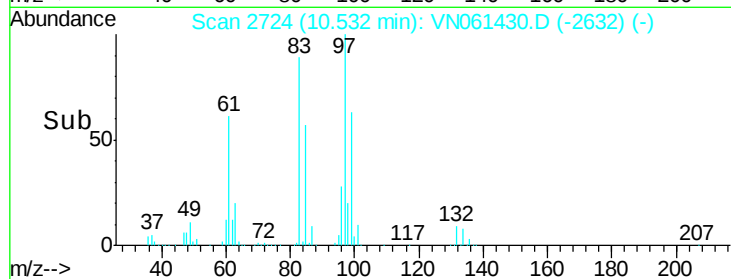
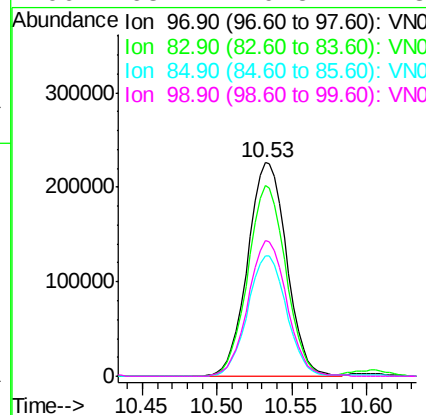
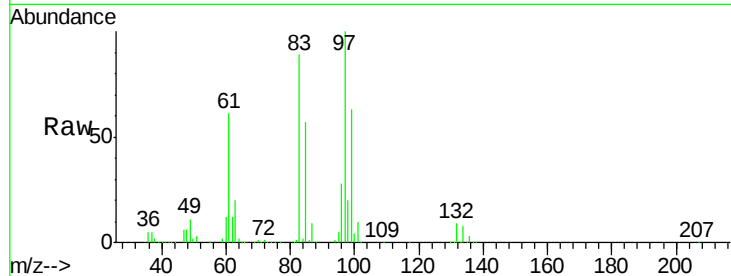
#55
 1,1,2-Trichloroethane
 Concen: 99.637 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	410652
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.2	102.4
85	56.6	44.6	67.0
99	63.4	49.5	74.3

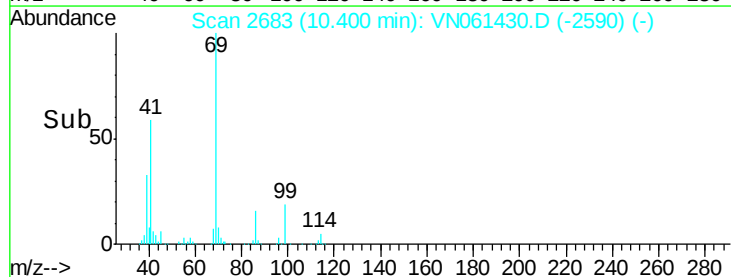
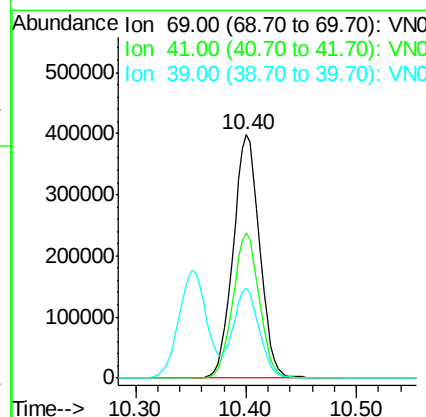
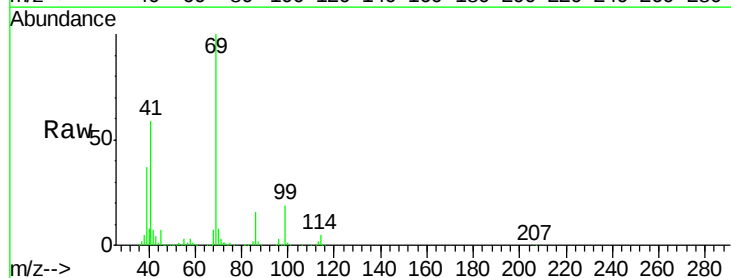
Manual Integrations
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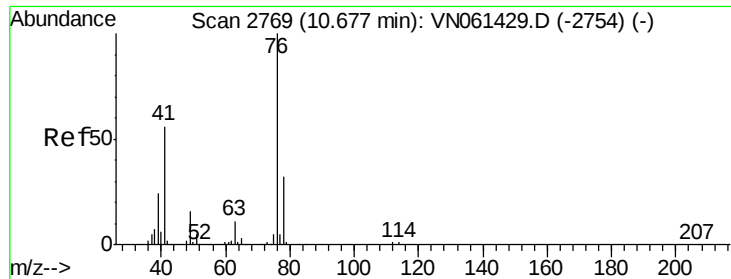
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#56
 Ethyl methacrylate
 Concen: 98.303 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion:	69	Resp:	662450
Ion	Ratio	Lower	Upper
69	100		
41	59.0	48.3	72.5
39	36.3	30.2	45.2





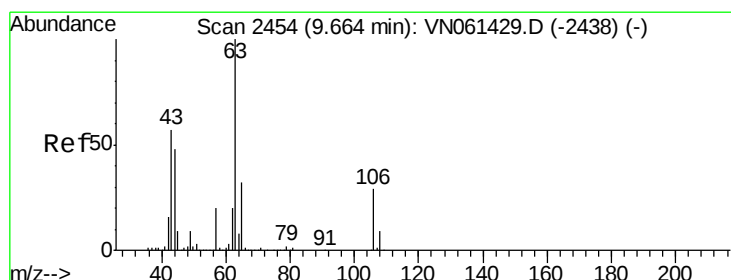
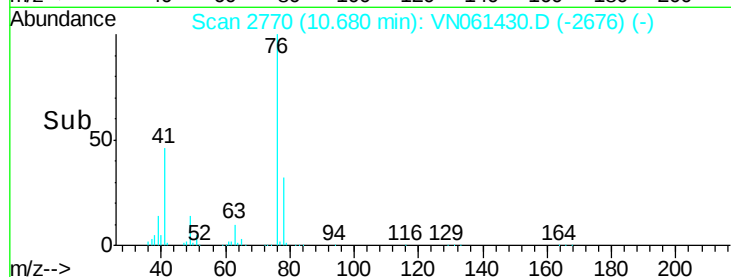
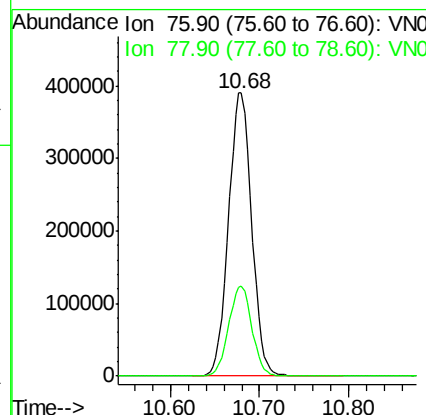
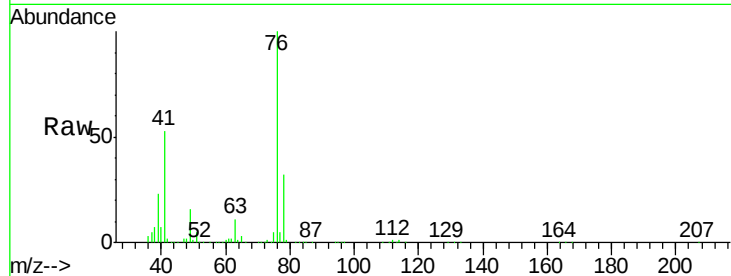
#57
 1,3-Dichloropropane
 Concen: 97.547 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 700472
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

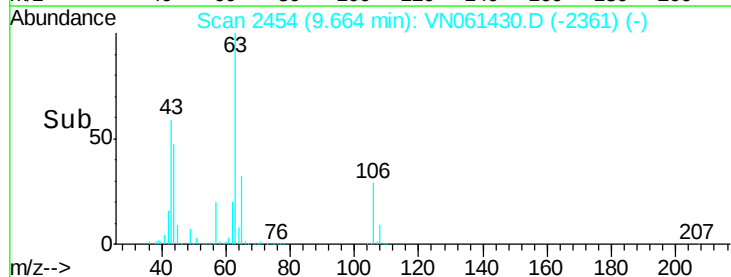
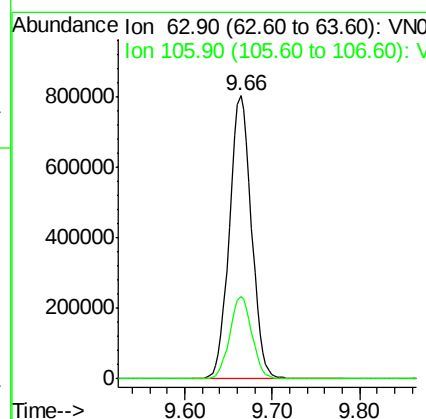
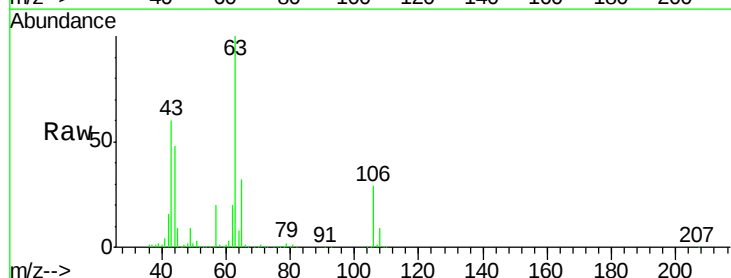
Manual Integrations
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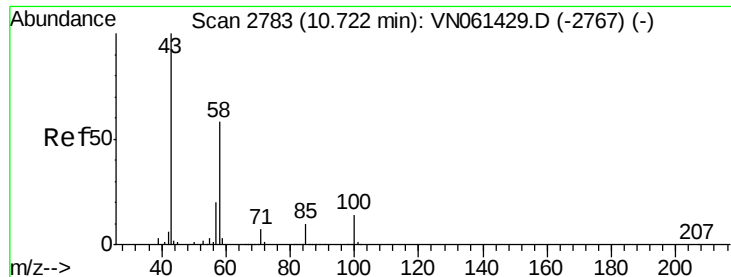
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#58
 2-Chloroethyl Vinyl ether
 Concen: 493.303 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 63 Resp: 1404104
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.7 34.1





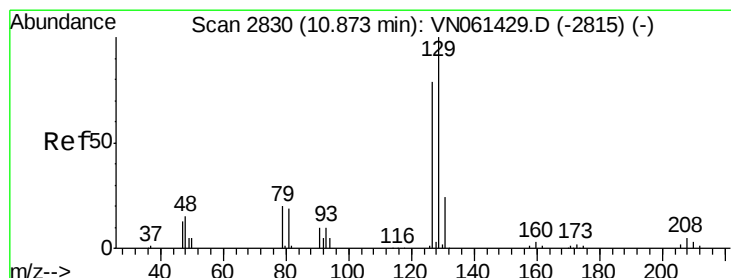
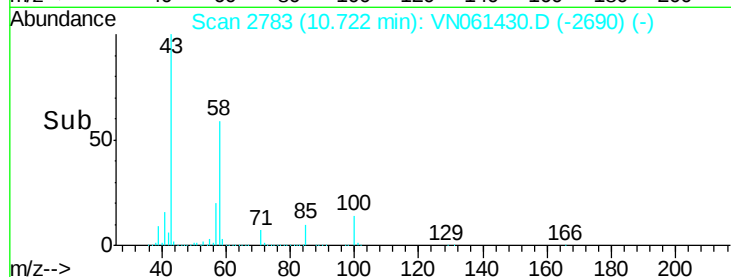
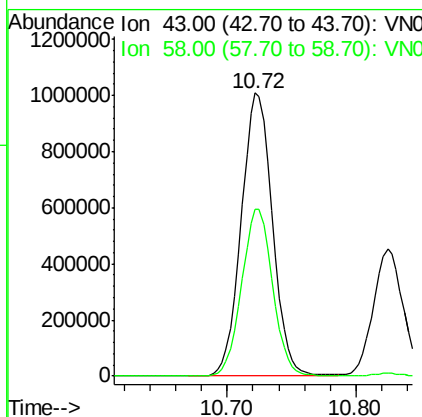
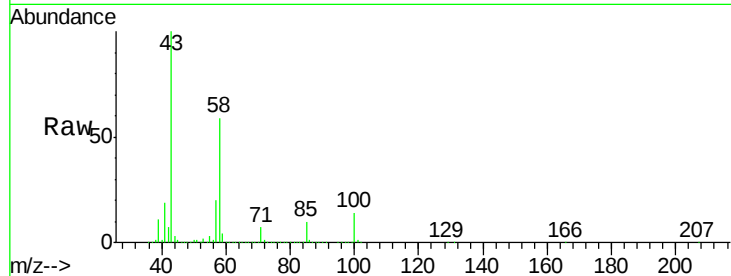
#59
2-Hexanone
Concen: 484.625 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1699042
Ion Ratio Lower Upper
43 100
58 58.6 29.2 87.6

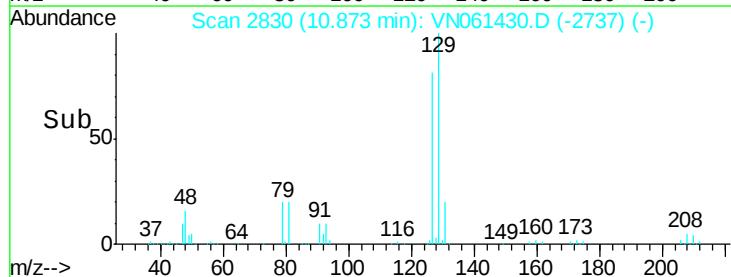
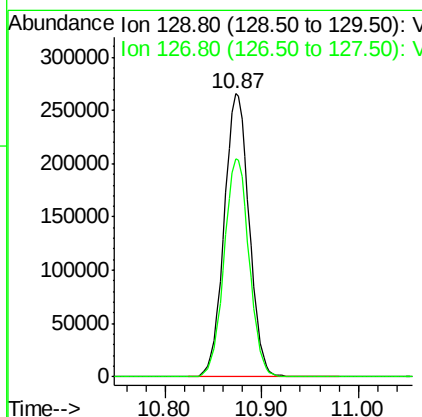
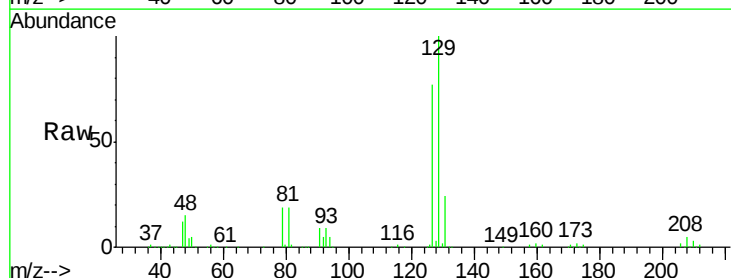
Manual Integrations
APPROVED

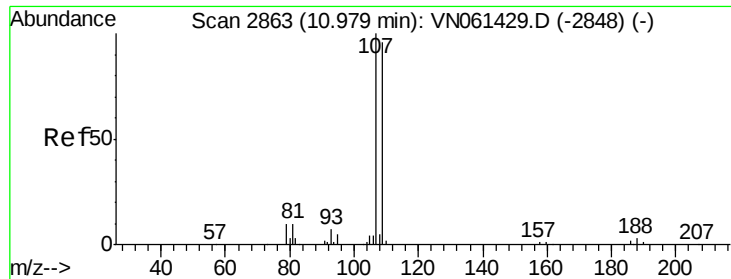
MMDadoda
5/19/2020 4:25:37 PM



#60
Dibromochloromethane
Concen: 104.039 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 129 Resp: 476724
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





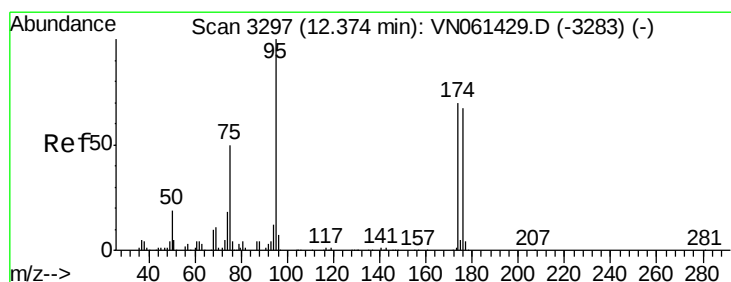
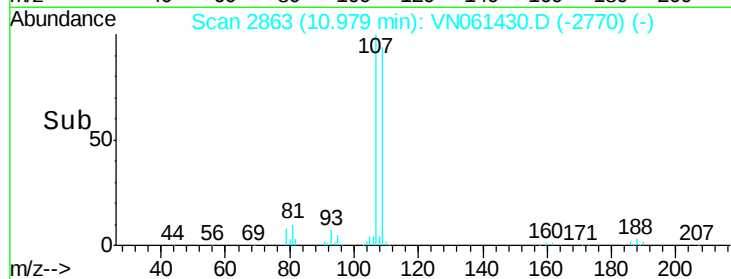
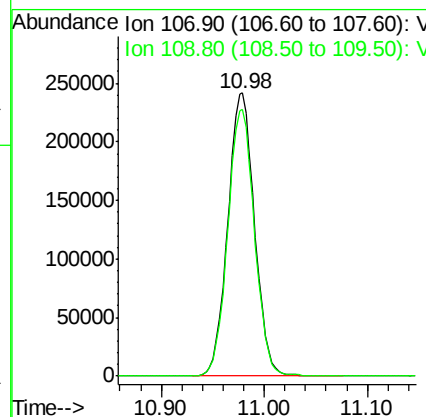
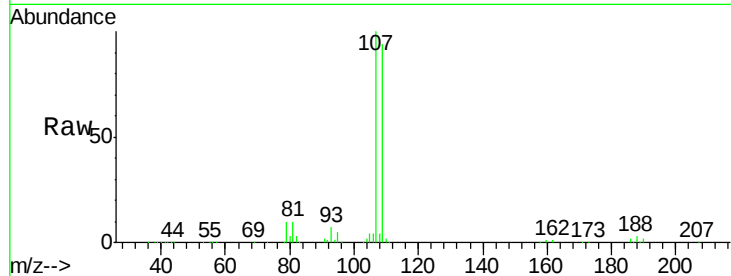
#61
 1,2-Dibromoethane
 Concen: 100.416 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.7	113.5

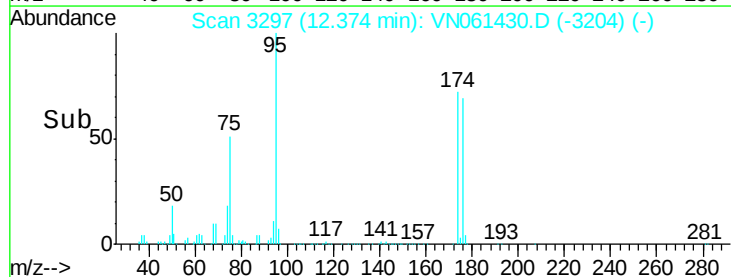
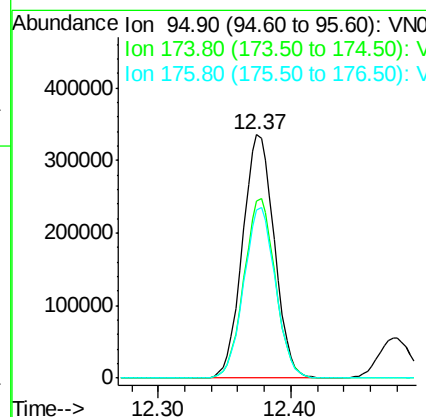
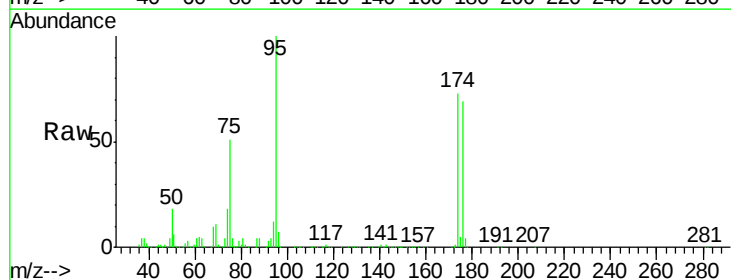
Manual Integrations
 APPROVED

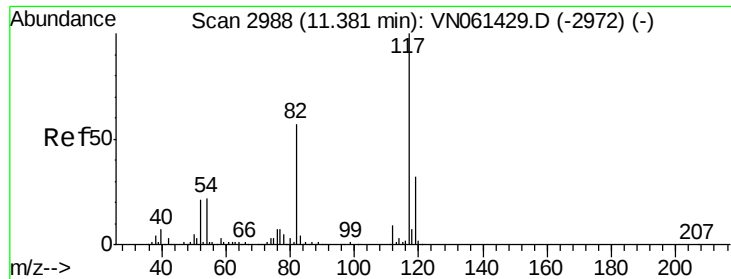
MMDadoda
 5/19/2020 4:25:37 PM



#62
 4-Bromofluorobenzene
 Concen: 102.474 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	141.2
176	69.8	0.0	137.6





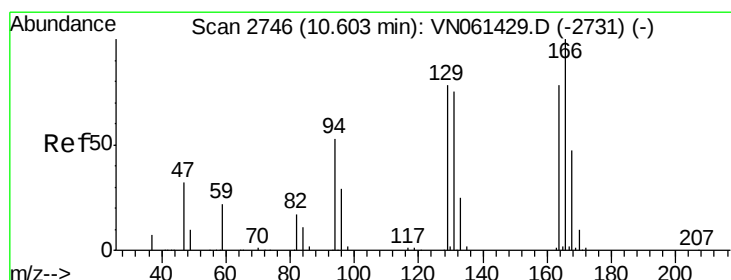
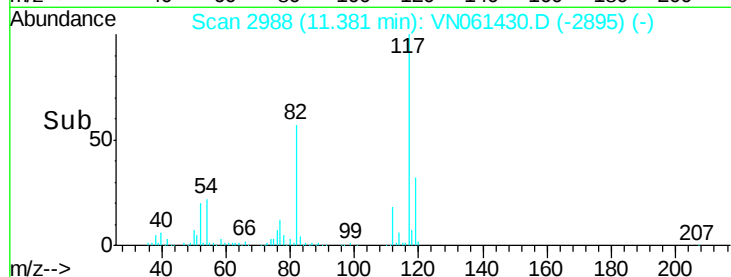
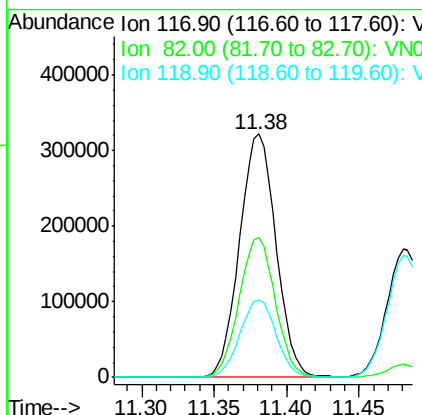
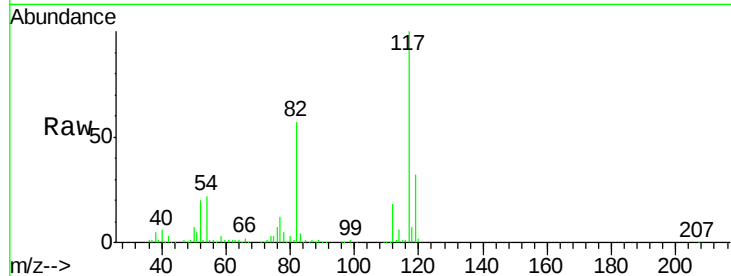
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.2	67.8
119	32.0	25.3	37.9

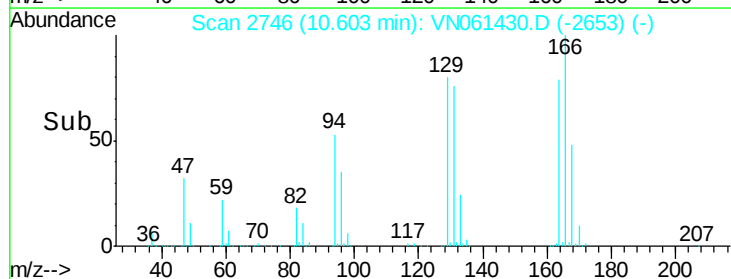
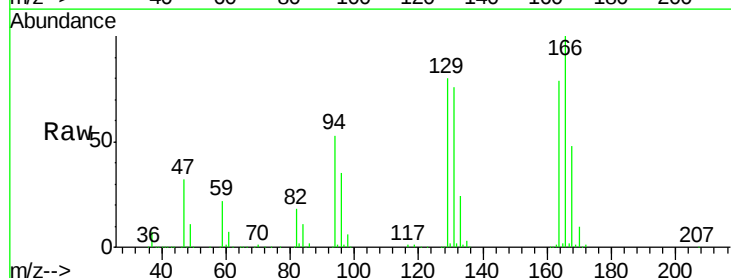
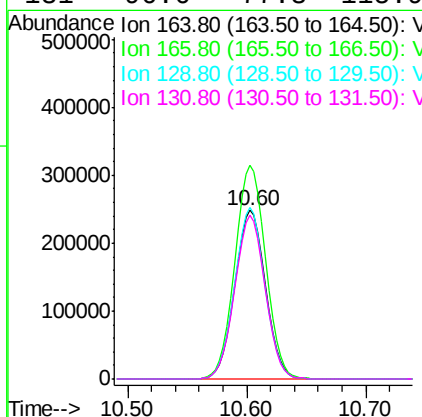
Manual Integrations
APPROVED

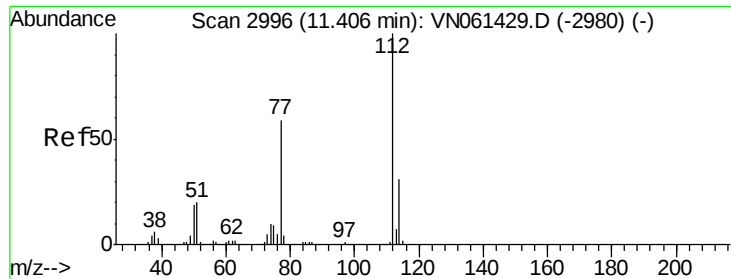
MMDadoda
5/19/2020 4:25:37 PM



#64
Tetrachloroethene
Concen: 100.703 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.2	154.8
129	101.5	81.0	121.4
131	96.6	77.3	115.9





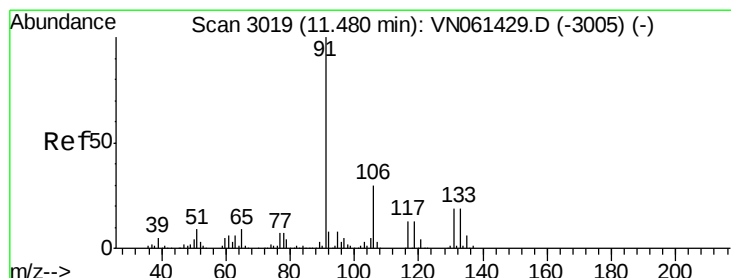
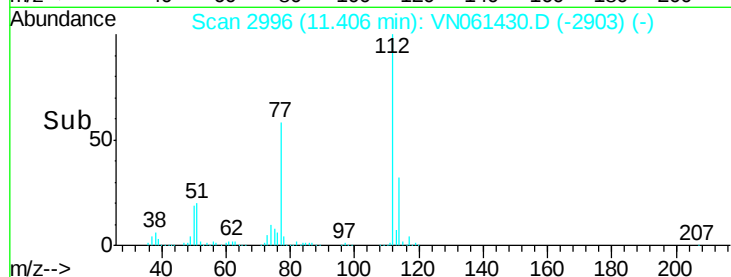
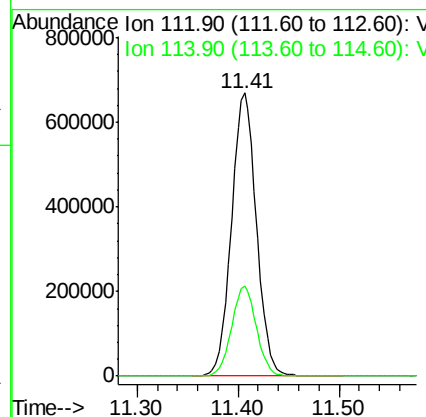
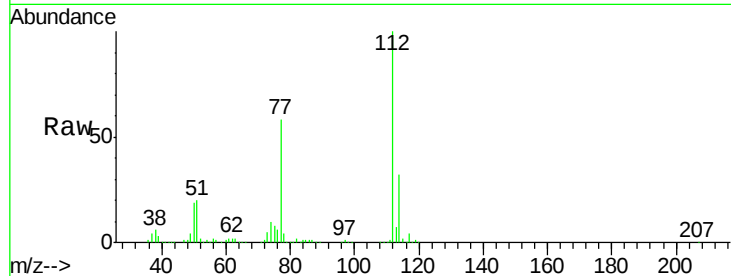
#65
Chlorobenzene
Concen: 98.418 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1150518
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6

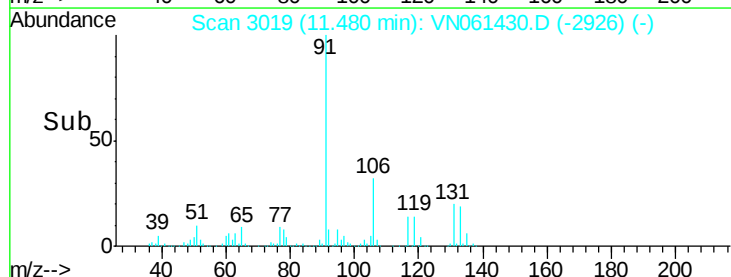
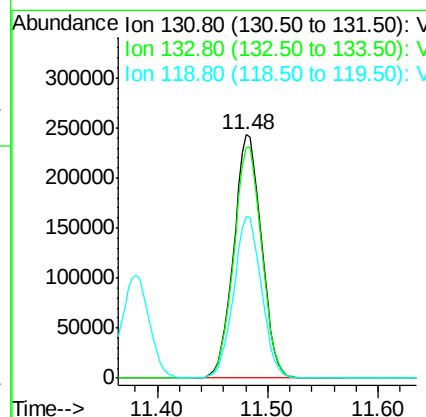
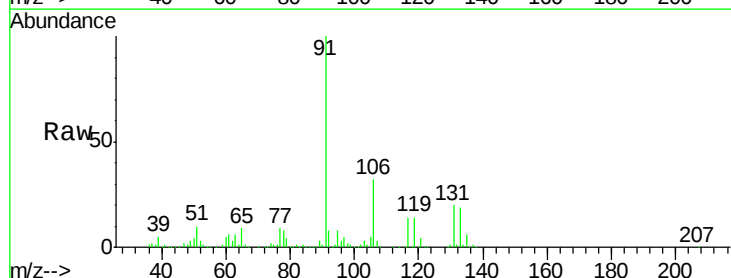
Manual Integrations
APPROVED

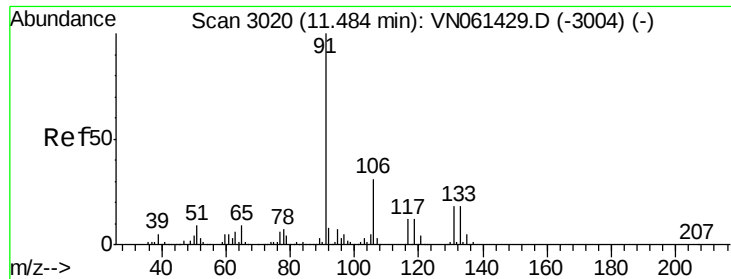
MMDadoda
5/19/2020 4:25:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 103.123 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion:131 Resp: 425509
Ion Ratio Lower Upper
131 100
133 95.6 48.7 146.1
119 66.5 33.8 101.3





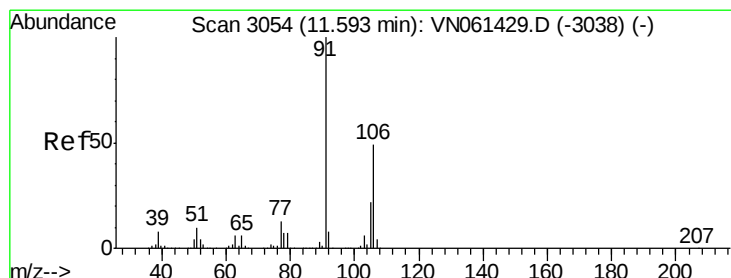
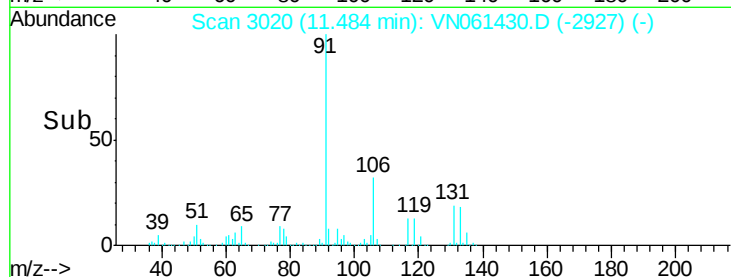
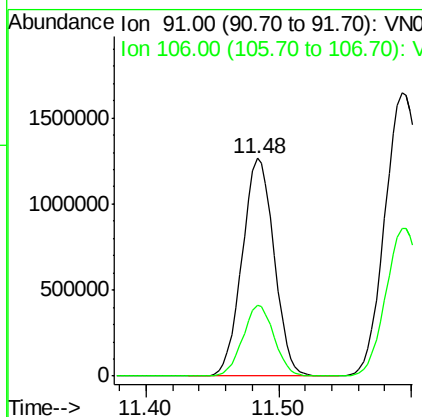
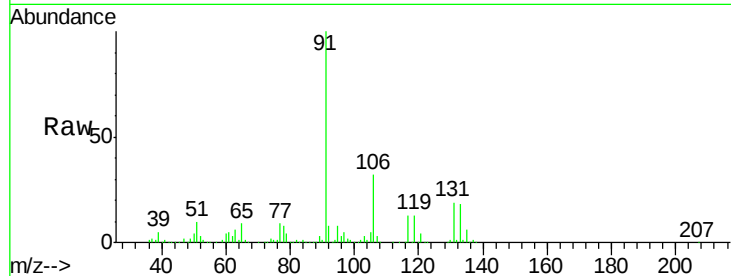
#67
Ethyl Benzene
Concen: 97.756 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2116943
Ion Ratio Lower Upper
91 100
106 32.3 24.6 36.8

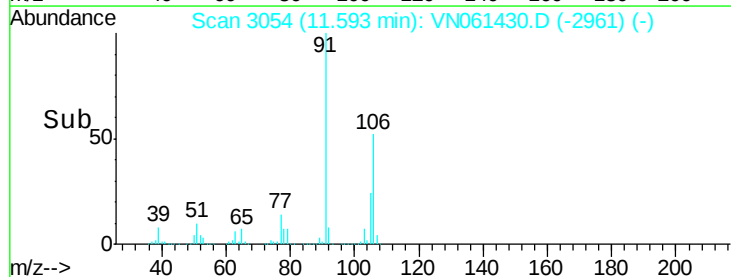
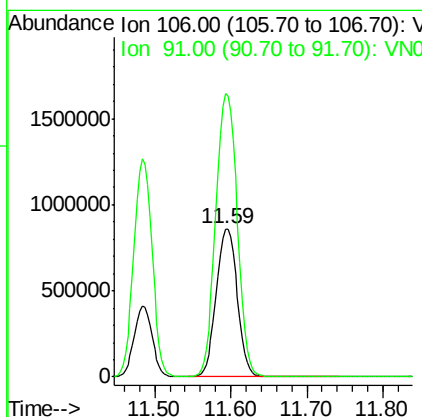
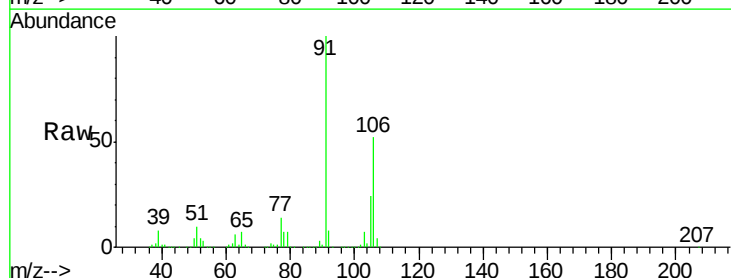
Manual Integrations
APPROVED

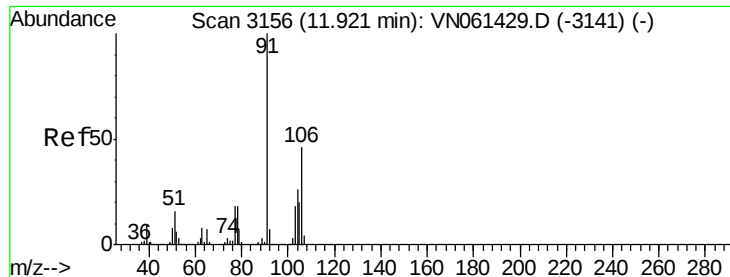
MMDadoda
5/19/2020 4:25:37 PM



#68
m/p-Xylenes
Concen: 203.113 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 106 Resp: 1652396
Ion Ratio Lower Upper
106 100
91 196.0 163.0 244.6





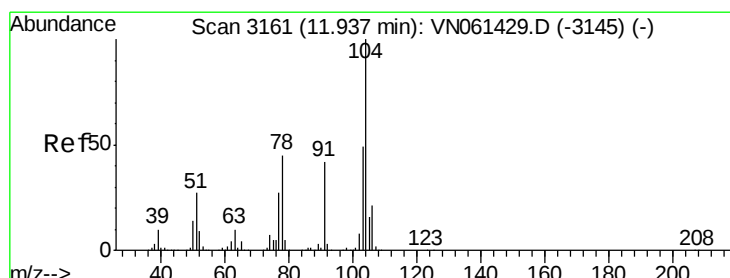
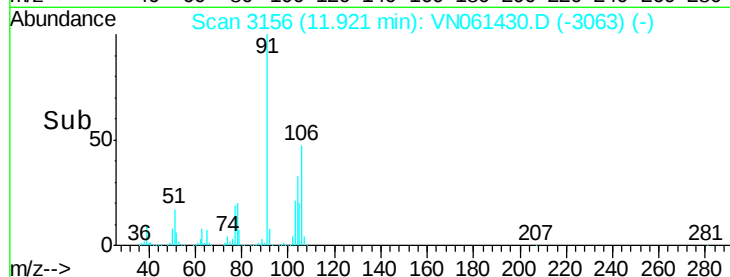
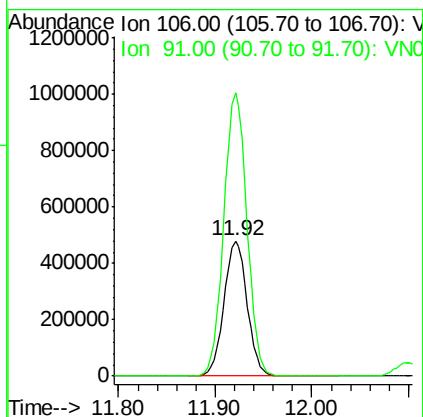
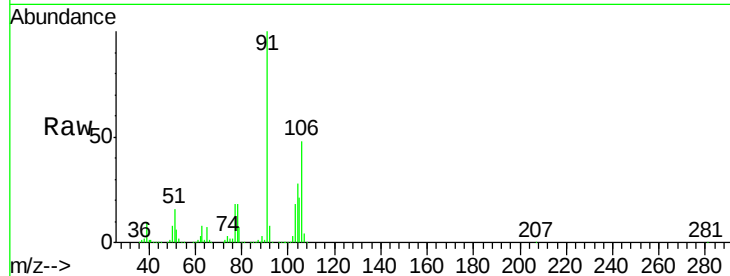
#69
o-Xylene
Concen: 100.711 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.0	107.9	323.7	

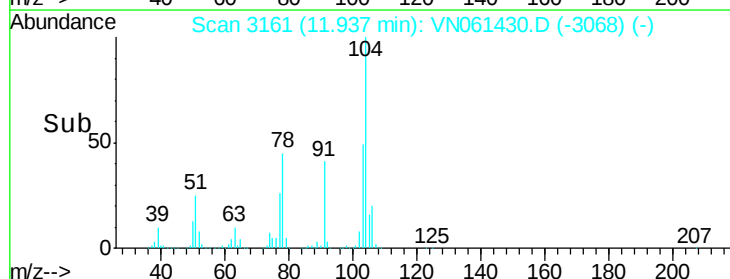
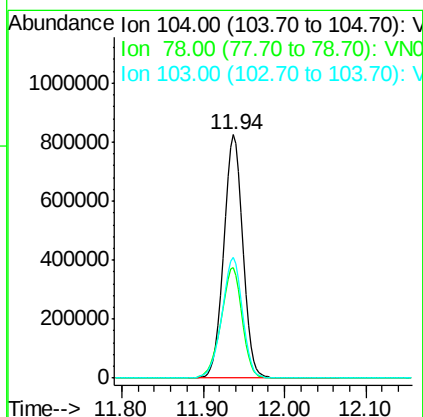
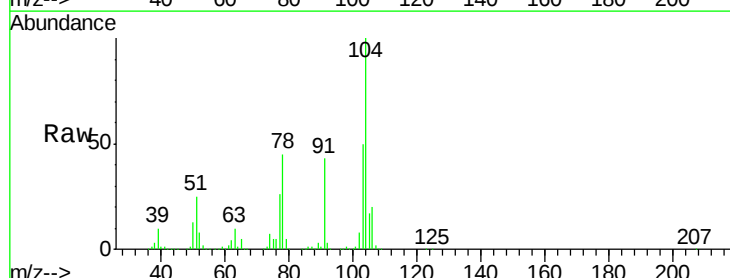
Manual Integrations
APPROVED

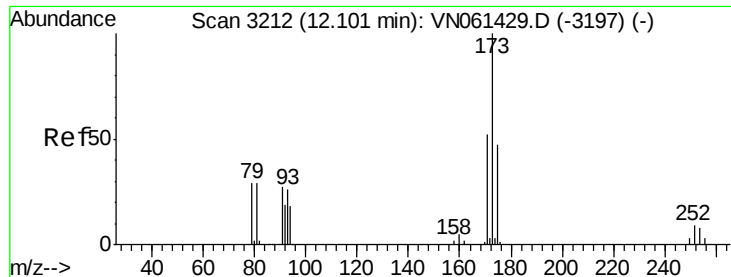
MMDadoda
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#70
Styrene
Concen: 103.827 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.9	40.7	61.1	
103	53.5	43.0	64.4	





#71

Bromoform

Concen: 110.484 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 321079

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.8

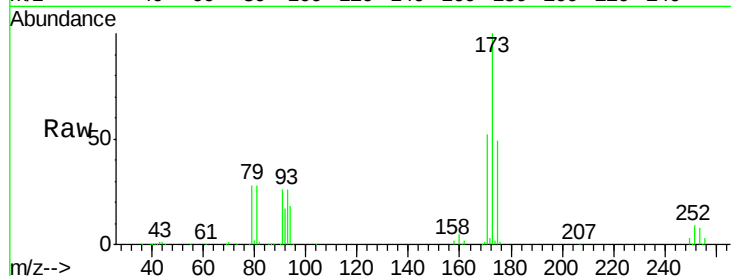
254 0.1 0.0 0.0#

Manual Integrations

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MMDadoda

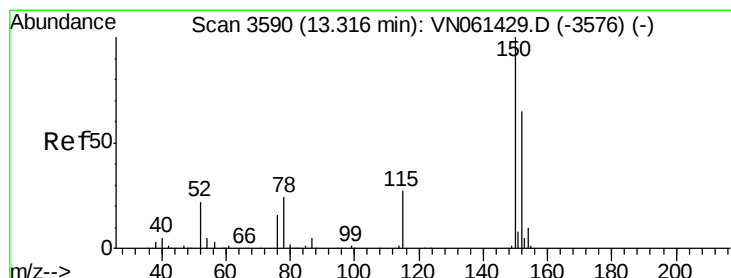
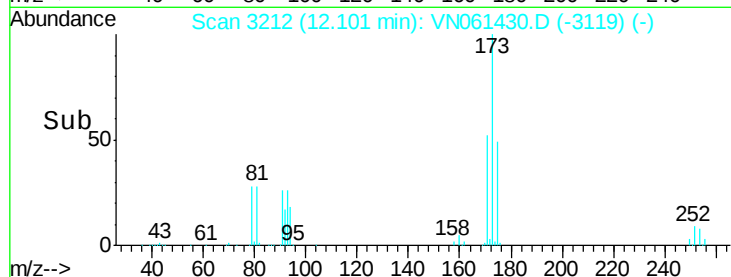
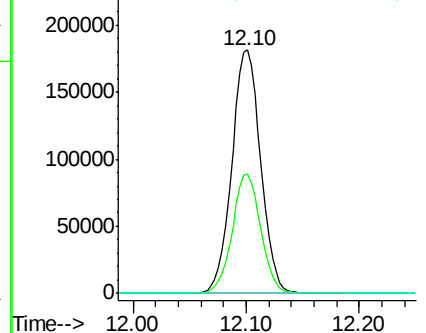
5/19/2020 4:25:37 PM



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# 3590

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

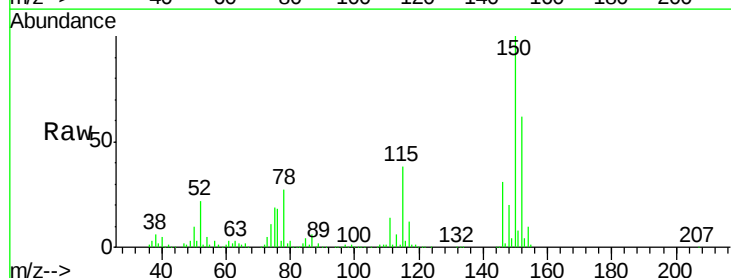
Tgt Ion:152 Resp: 276785

Ion Ratio Lower Upper

152 100

115 61.5 30.9 92.5

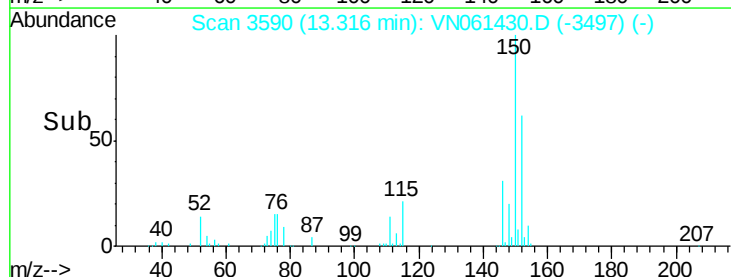
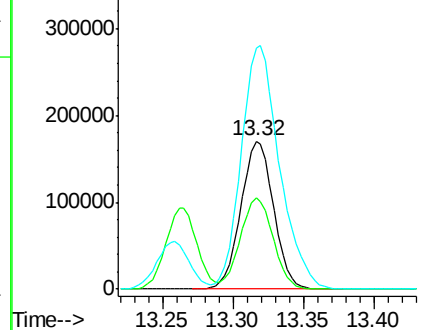
150 192.3 0.0 349.2

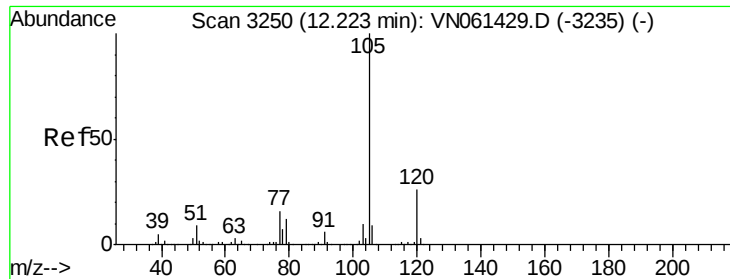


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





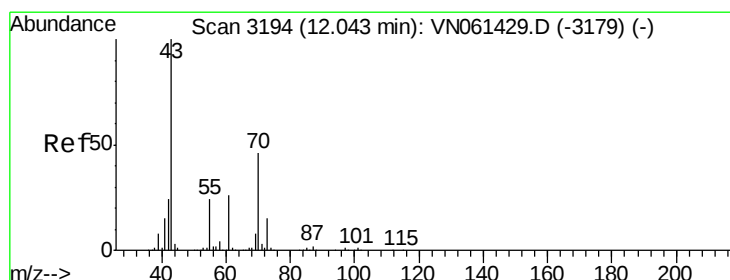
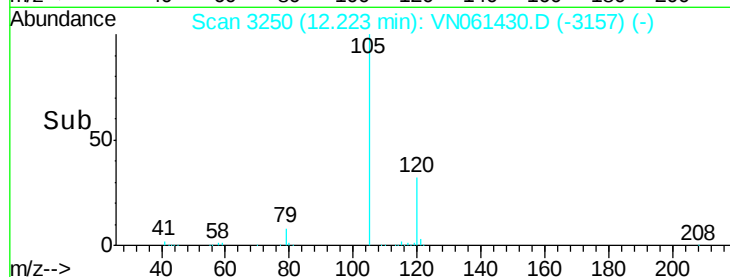
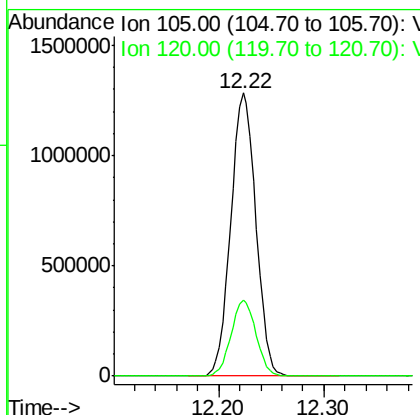
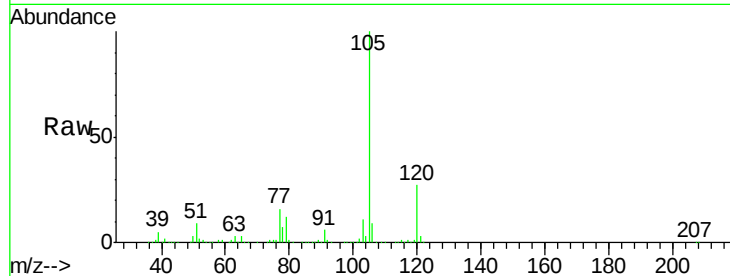
#73
Isopropylbenzene
Concen: 93.380 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2103655
Ion Ratio Lower Upper
105 100
120 26.7 13.0 39.0

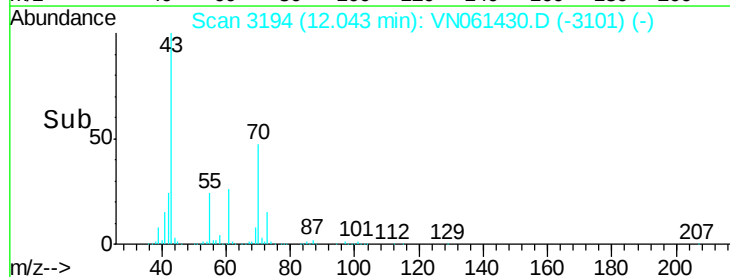
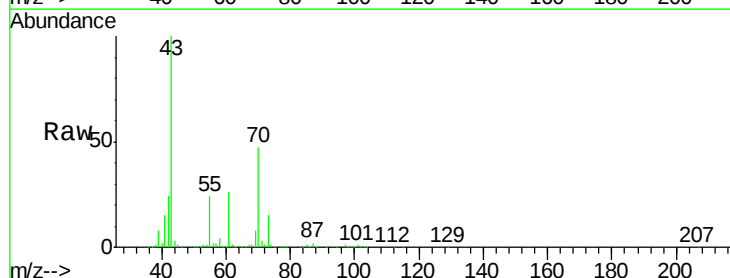
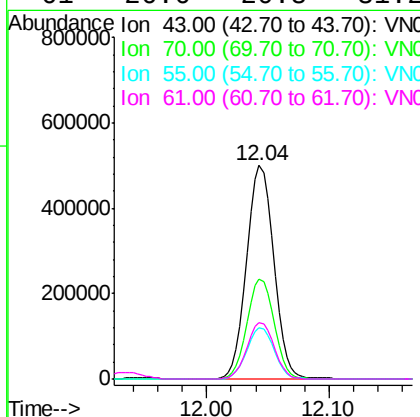
Manual Integrations
APPROVED

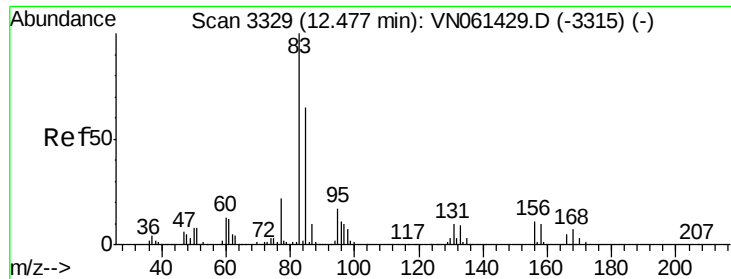
MMDadoda
5/19/2020 4:25:37 PM



#74
N-ethyl acetate
Concen: 86.766 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion: 43 Resp: 764505
Ion Ratio Lower Upper
43 100
70 47.1 37.0 55.4
55 24.3 19.5 29.3
61 26.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 87.246 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

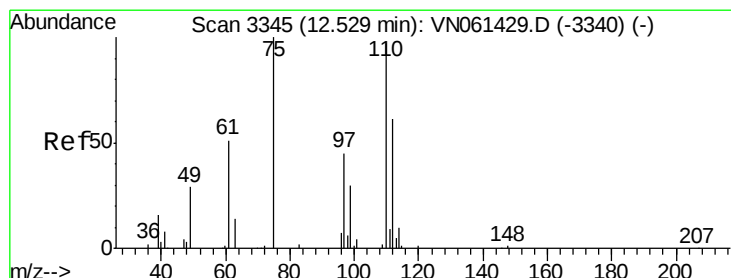
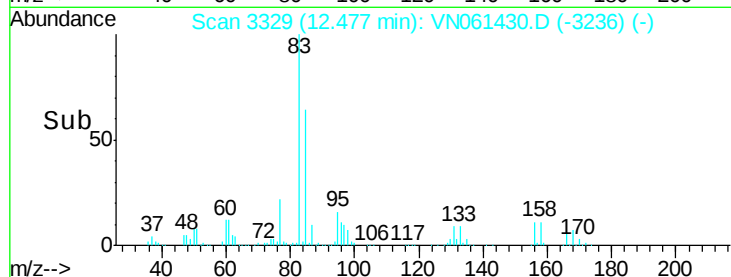
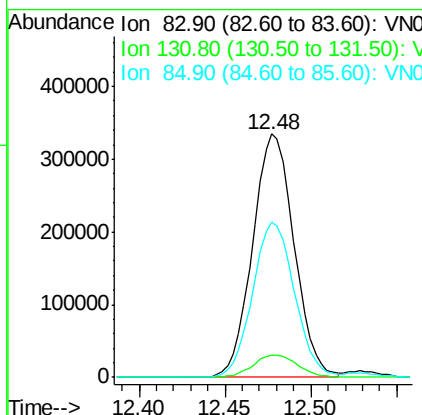
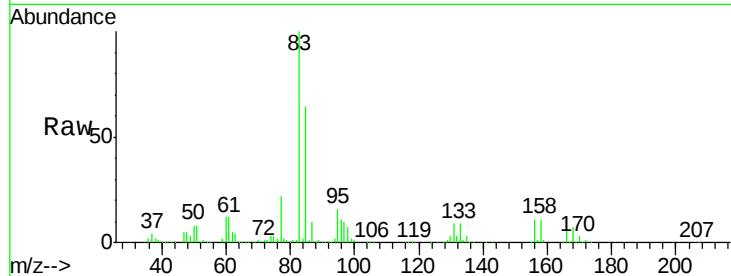
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	560266
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.8	14.4
85	64.4	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 93.681 ug/l m

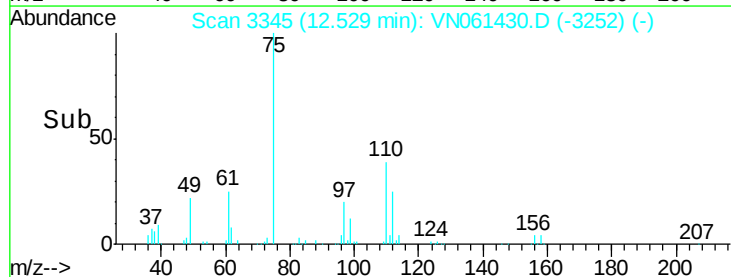
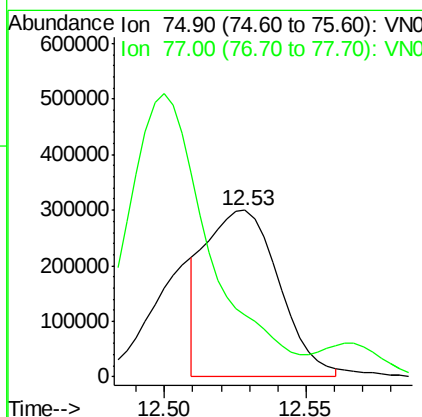
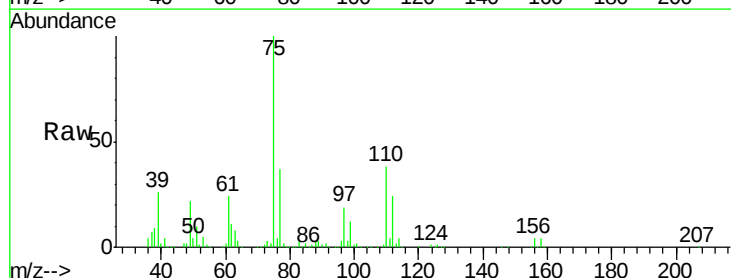
RT: 12.53 min Scan# 3345

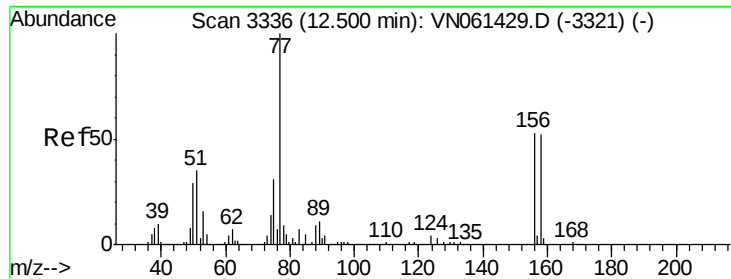
Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	75	Resp:	541539
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





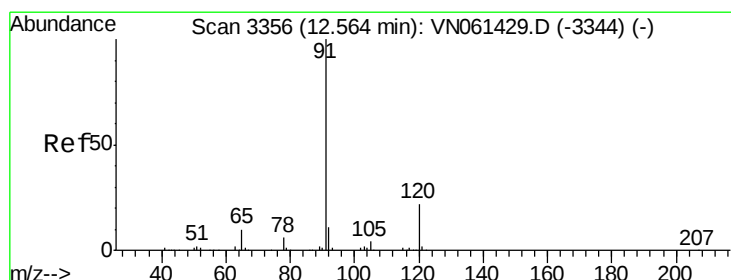
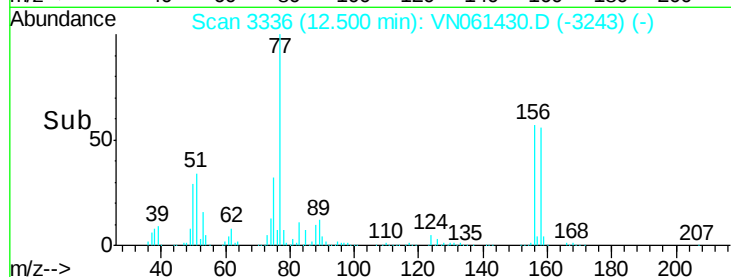
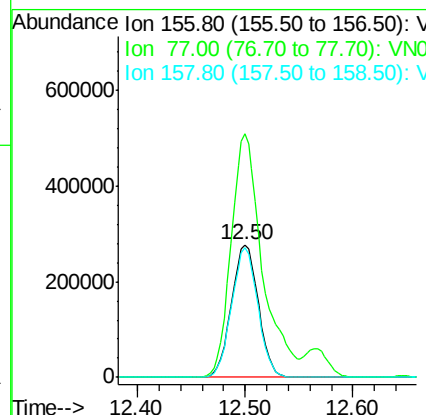
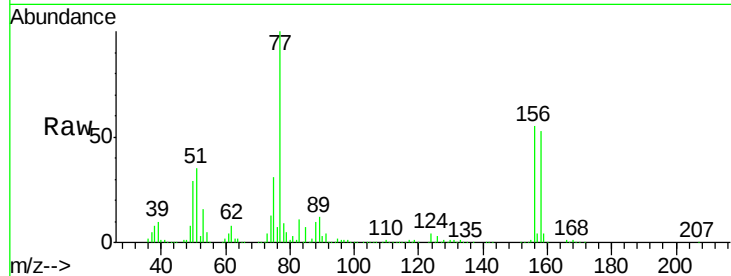
#77
Bromobenzene
Concen: 97.375 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.7	112.3	336.9
158	95.7	47.9	143.6

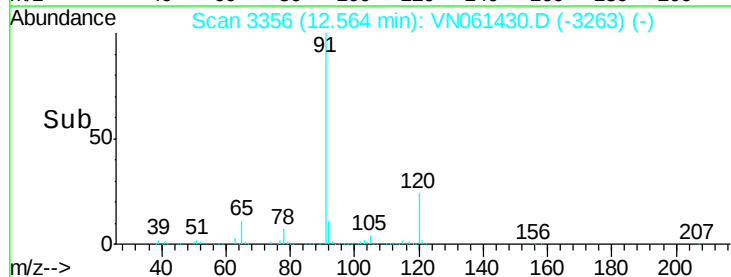
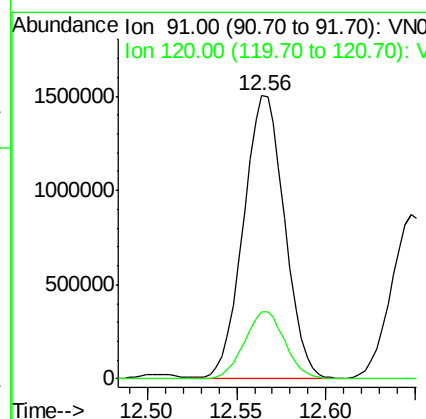
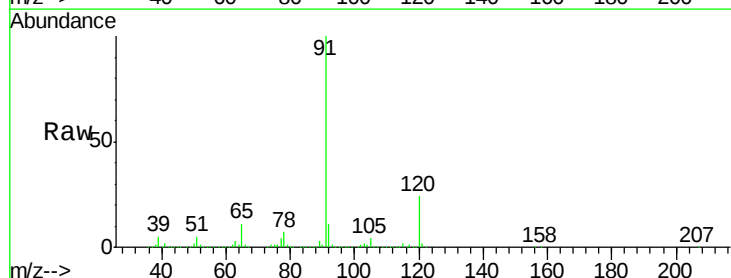
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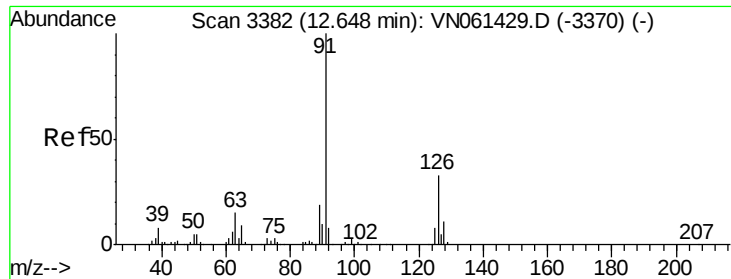
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#78
n-propylbenzene
Concen: 91.801 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.6





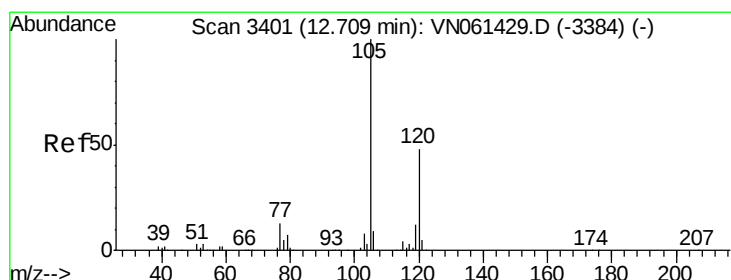
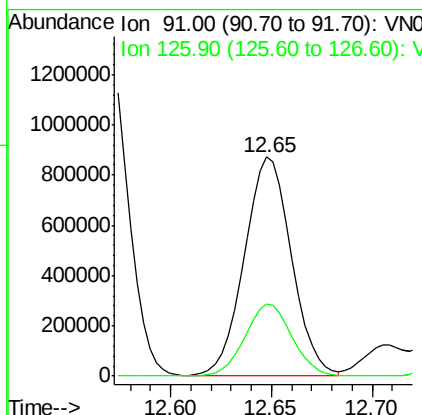
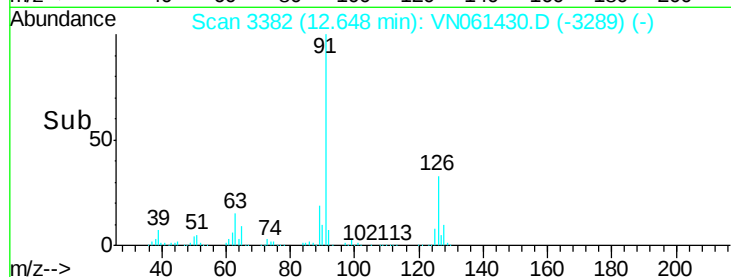
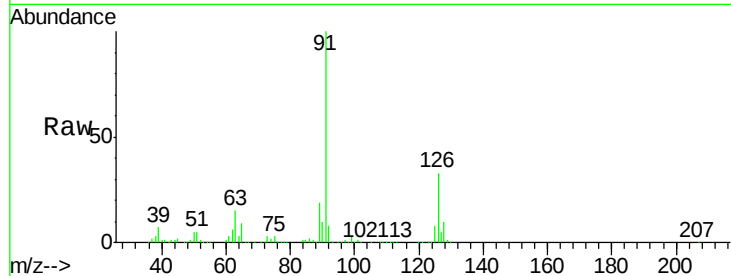
#79
 2-Chlorotoluene
 Concen: 92.208 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1419617
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.3 48.9

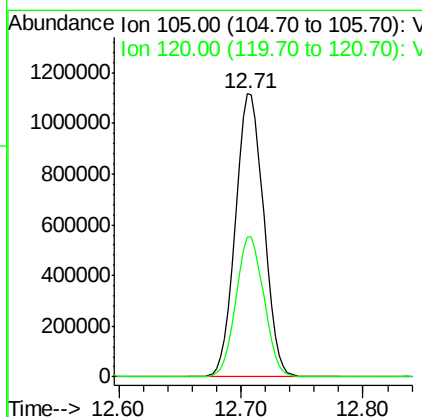
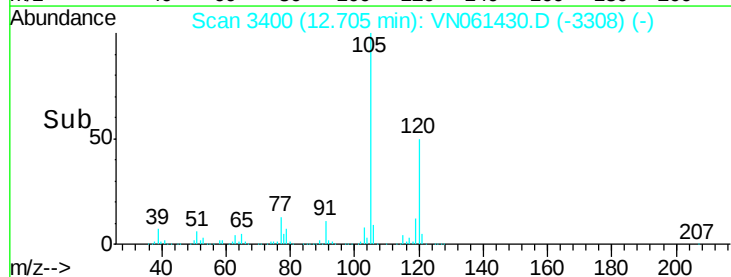
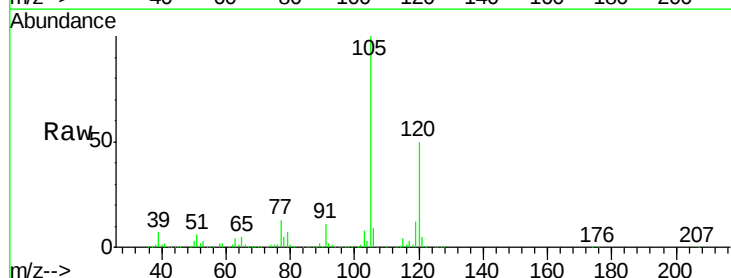
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 94.946 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion: 105 Resp: 1790086
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 100.170 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

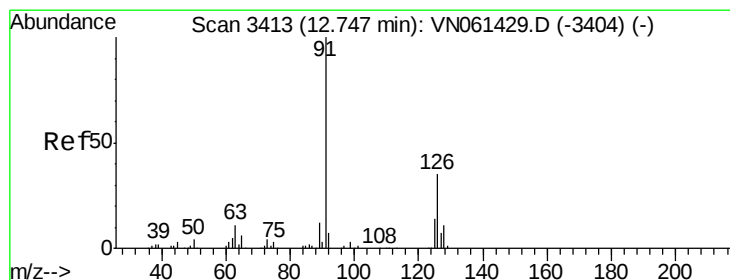
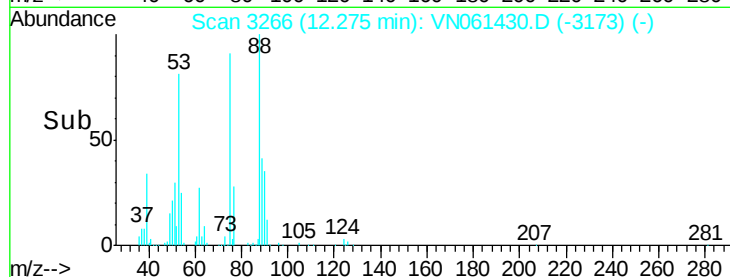
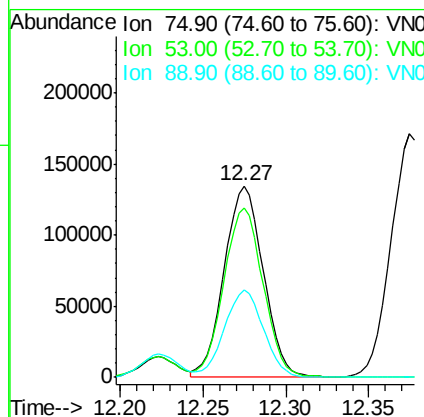
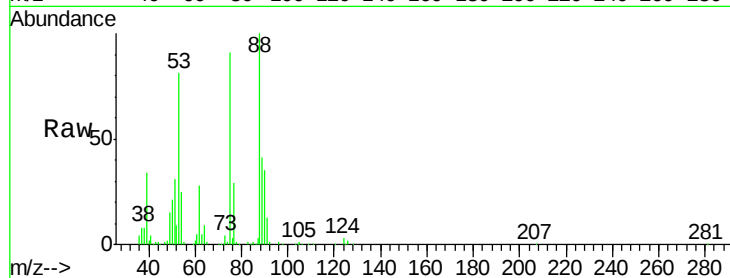
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	221416
Ion	Ratio	Lower	Upper
75	100		
53	88.9	75.2	112.8
89	45.2	38.2	57.4

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#82

4-Chlorotoluene

Concen: 93.918 ug/l

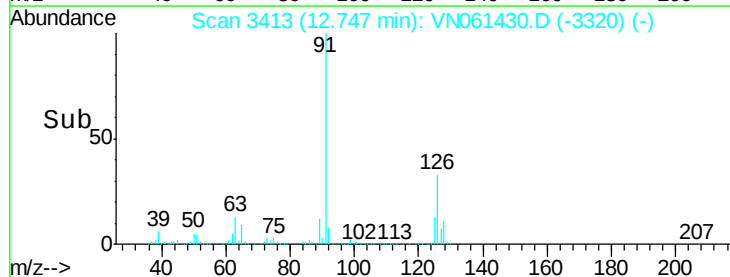
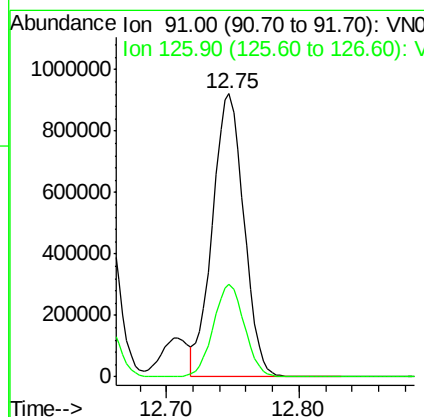
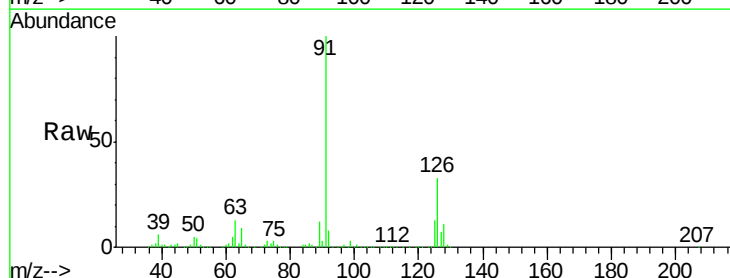
RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	91	Resp:	1519257
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.2





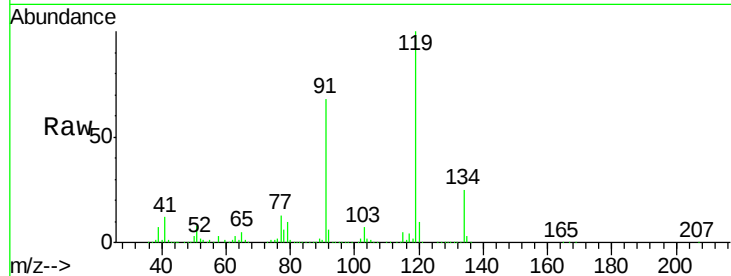
#83
 tert-Butylbenzene
 Concen: 94.323 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

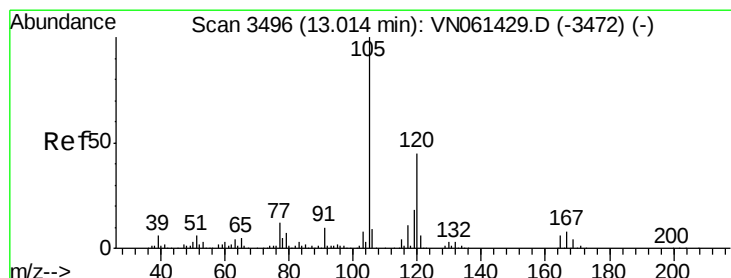
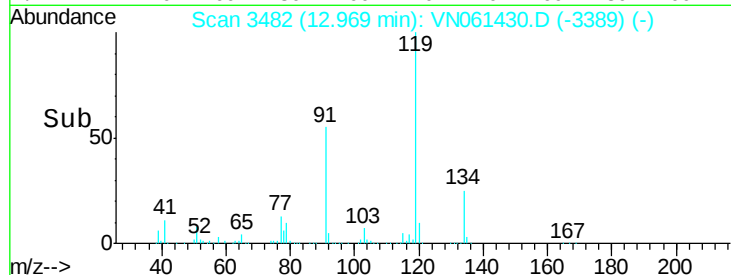
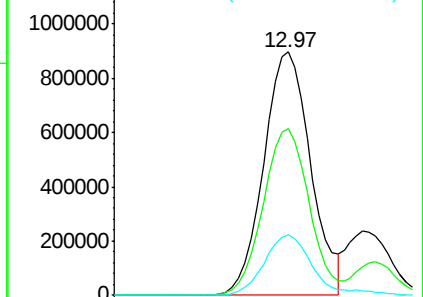
Tot Ion:119 Resp: 1517077
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.7 101.0
 134 25.6 12.8 38.3

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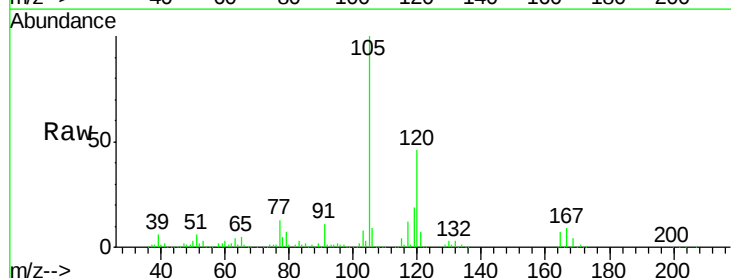


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

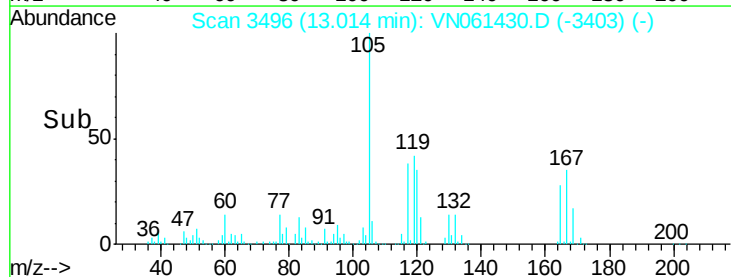
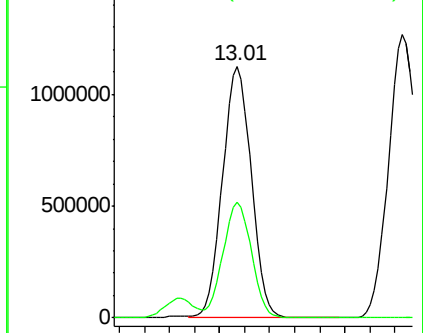


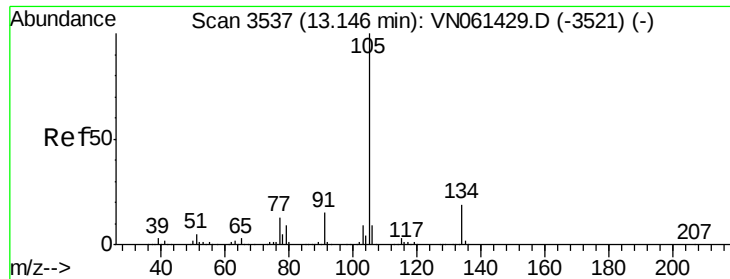
#84
 1,2,4-Trimethylbenzene
 Concen: 95.007 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion:105 Resp: 1787440
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





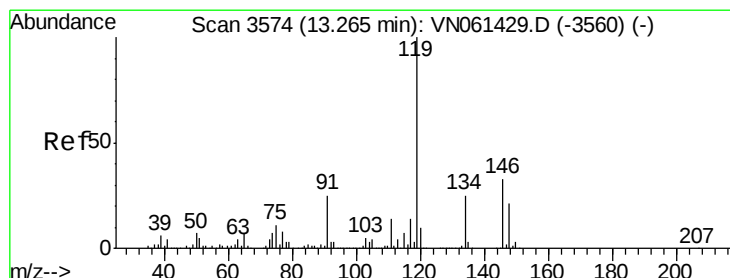
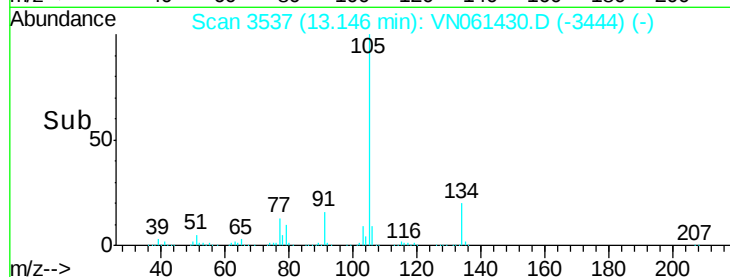
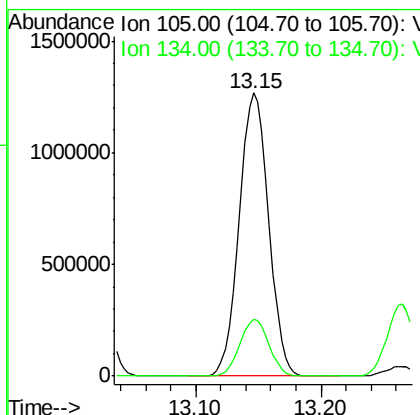
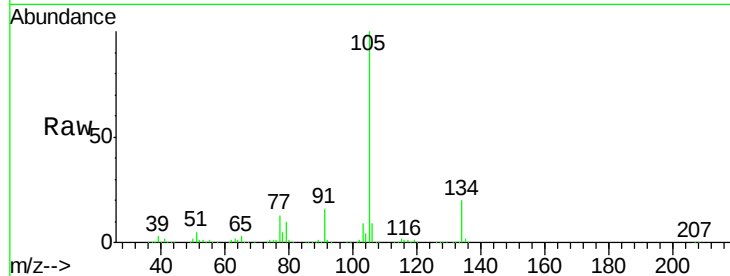
#85
 sec-Butylbenzene
 Concen: 94.928 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

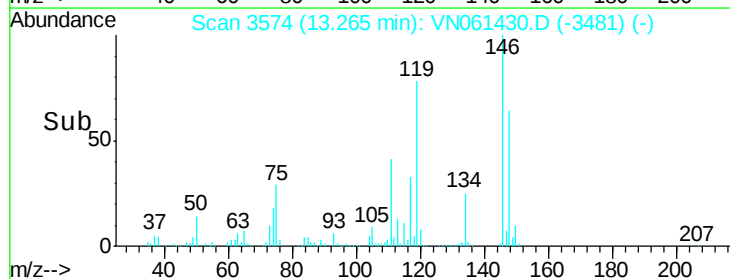
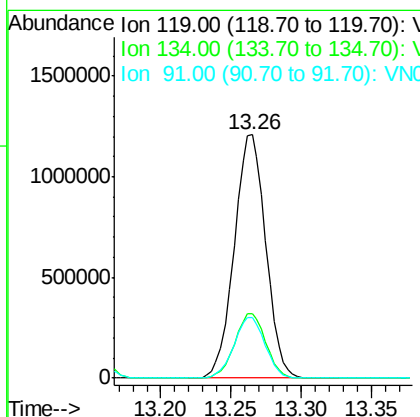
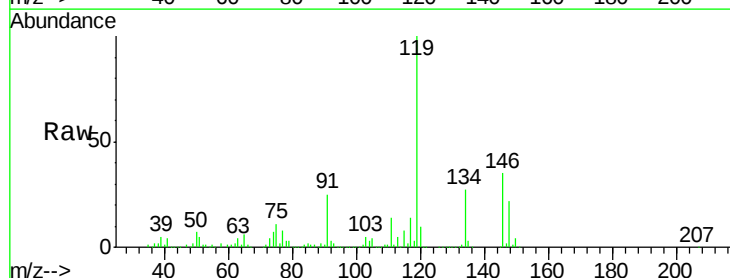
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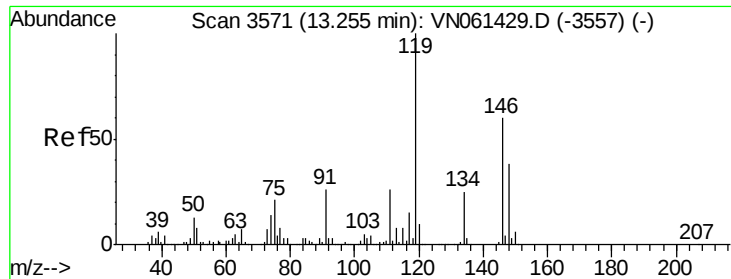
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#86
 p-Isopropyltoluene
 Concen: 99.741 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.7	38.1
91	24.8	12.6	37.6





#87

1,3-Dichlorobenzene

Concen: 100.195 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

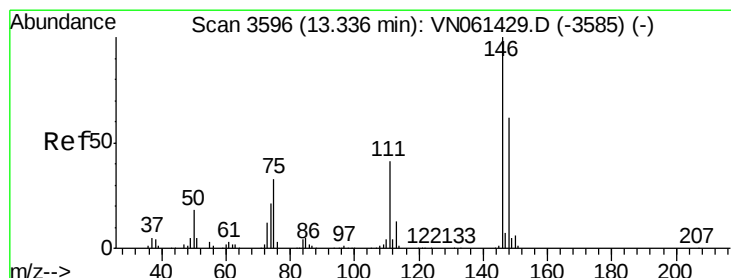
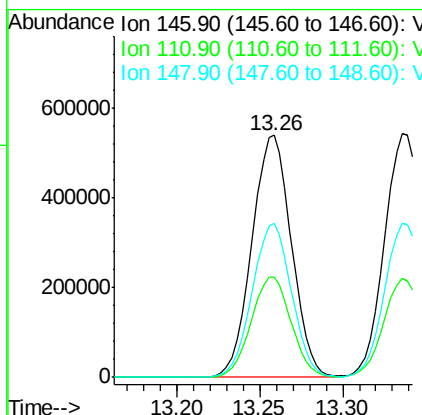
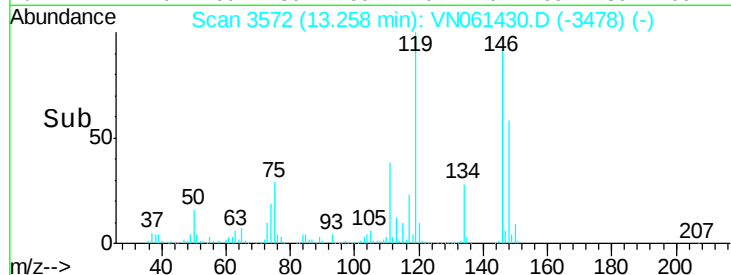
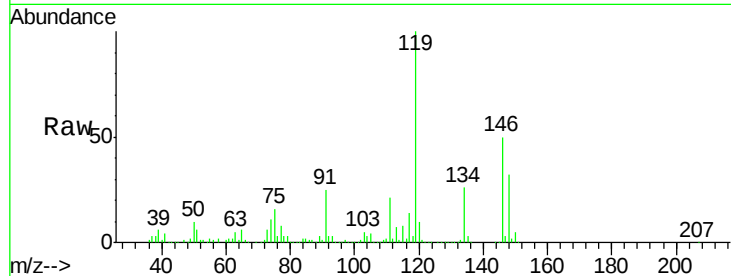
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	895875
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.5	64.5
148	63.4	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 98.120 ug/l

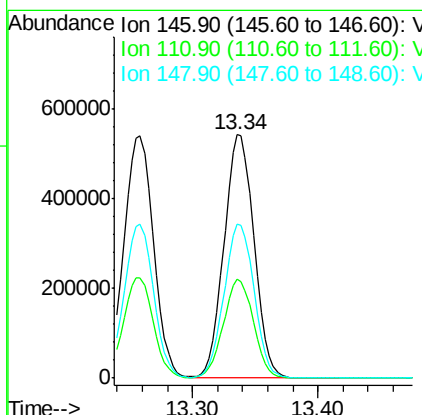
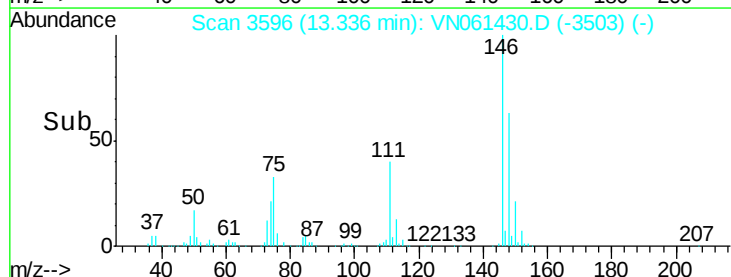
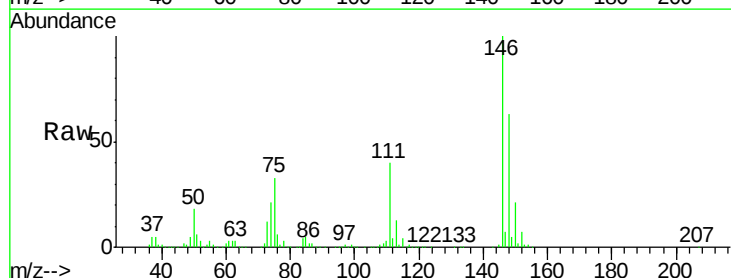
RT: 13.34 min Scan# 3596

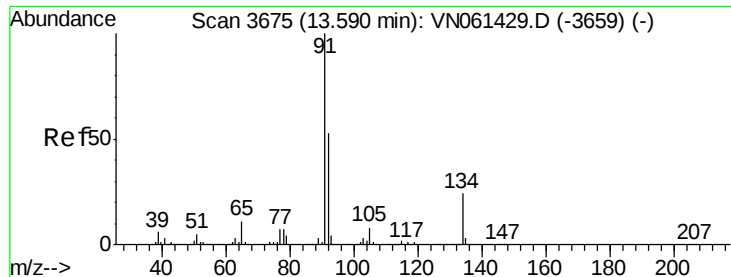
Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	146	Resp:	900964
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.8	62.5
148	63.4	31.6	94.8





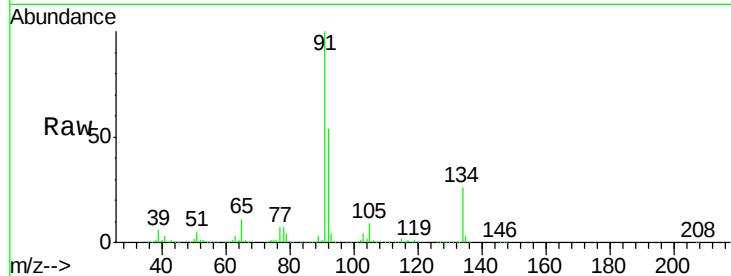
#89
n-Butylbenzene
Concen: 99.730 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

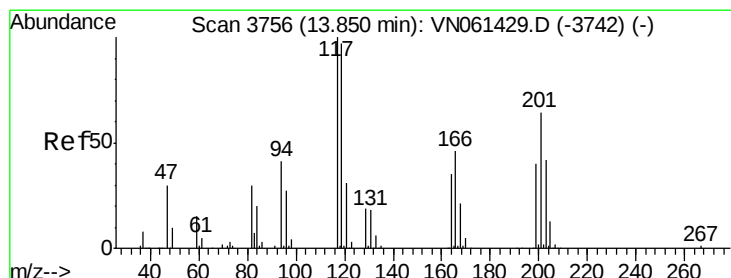
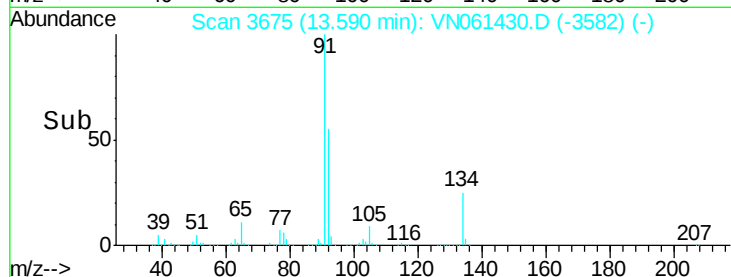
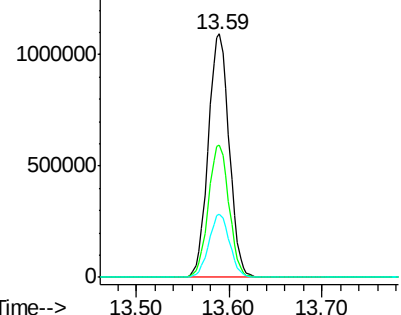
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	25.6	12.4	37.4

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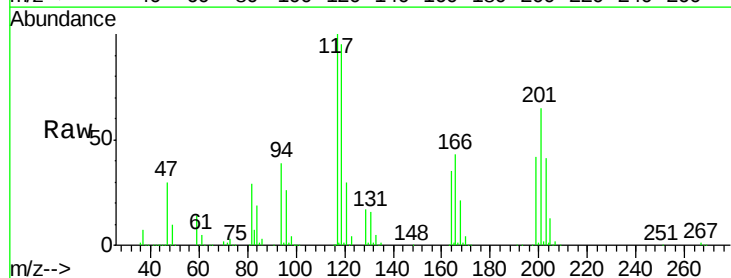


Abundance Ion 91.00 (90.70 to 91.70): VN061430.D (-3659) (-)
Ion 92.00 (91.70 to 92.70): VN061430.D (-3659) (-)
Ion 134.00 (133.70 to 134.70): VN061430.D (-3659) (-)

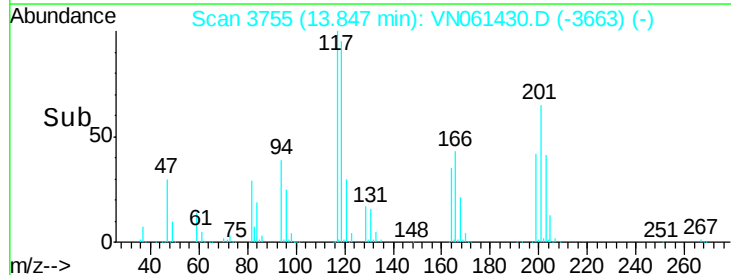
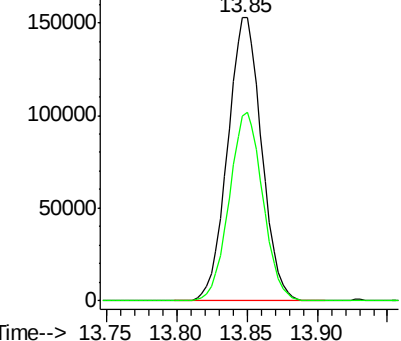


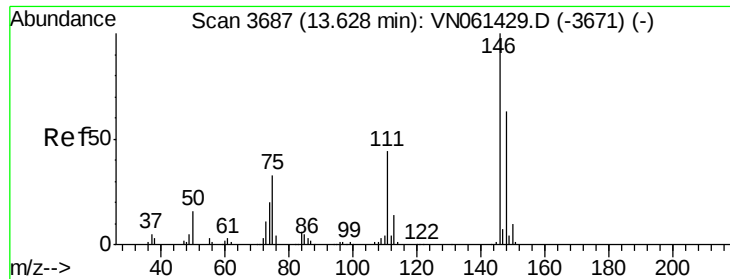
#90
Hexachloroethane
Concen: 99.249 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061430.D
Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	32.9	98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061430.D (-3663) (-)
Ion 200.70 (200.40 to 201.40): VN061430.D (-3663) (-)





#91

1,2-Dichlorobenzene

Concen: 99.001 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

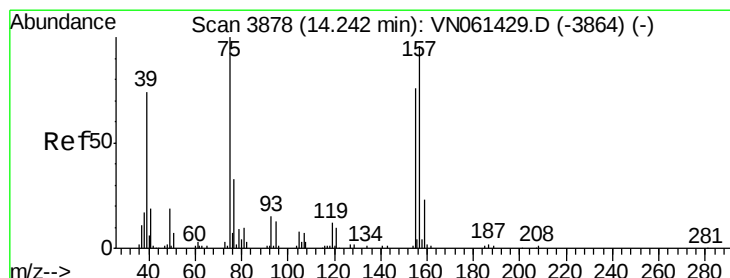
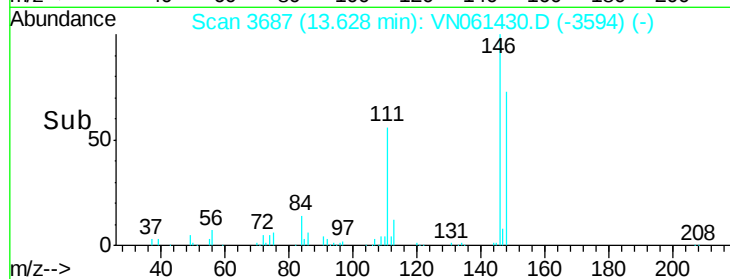
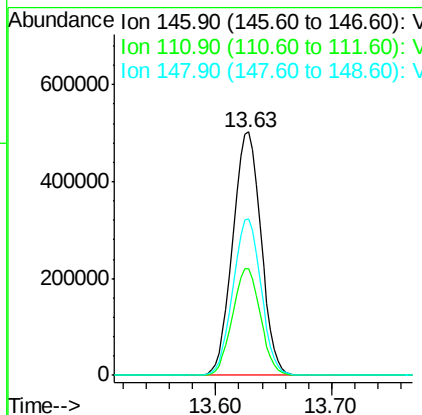
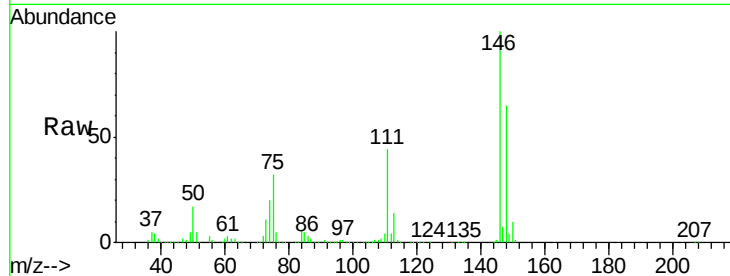
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	846225
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.9	65.7
148	63.9	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 94.333 ug/l

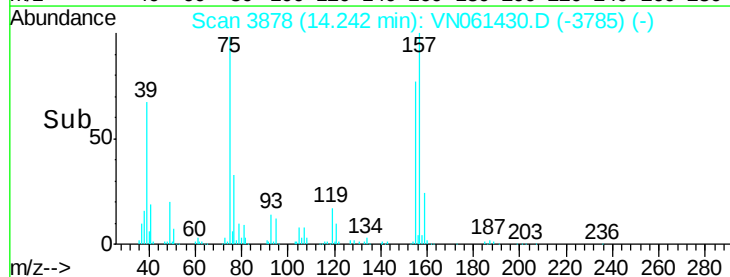
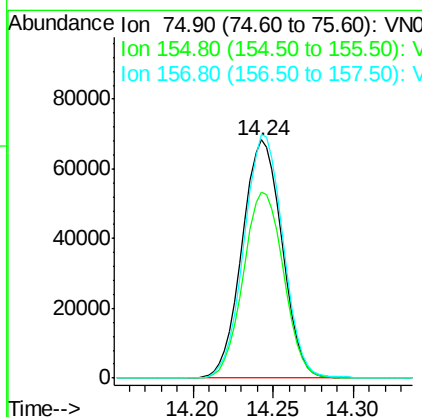
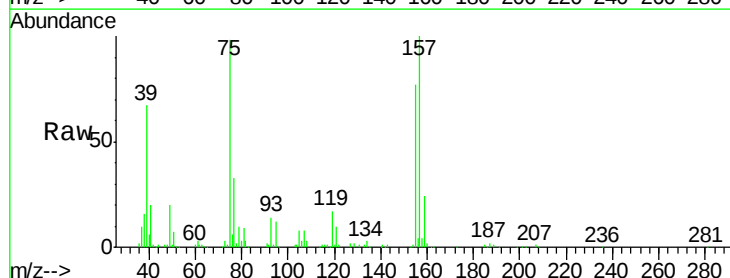
RT: 14.24 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Tgt Ion:	75	Resp:	116469
Ion Ratio	Lower	Upper	
75	100		
155	78.7	38.9	116.7
157	100.2	48.6	145.8





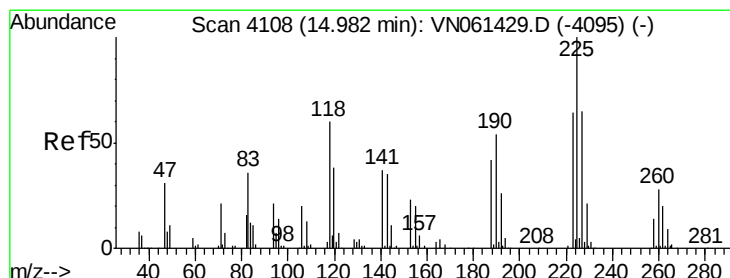
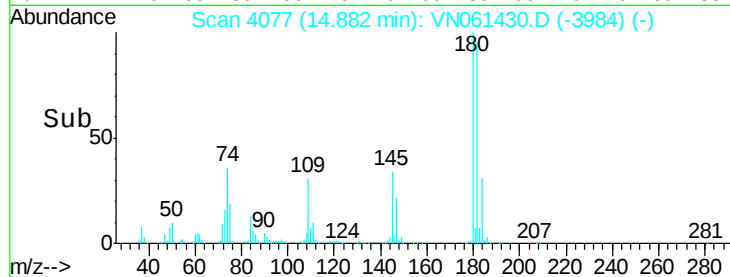
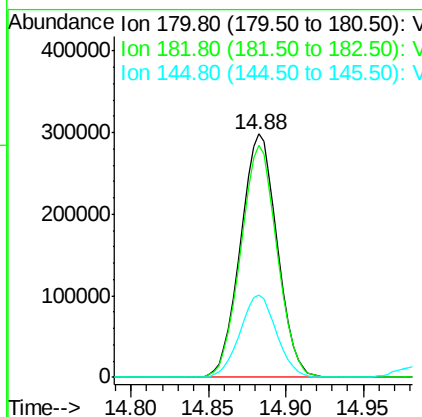
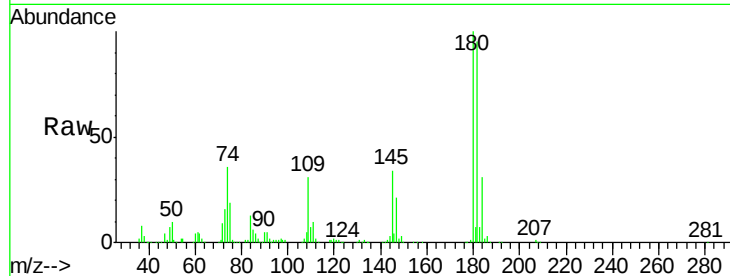
#93
 1,2,4-Trichlorobenzene
 Concen: 104.855 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	491442		
182	94.7	47.0	141.0	
145	33.6	16.7	50.0	

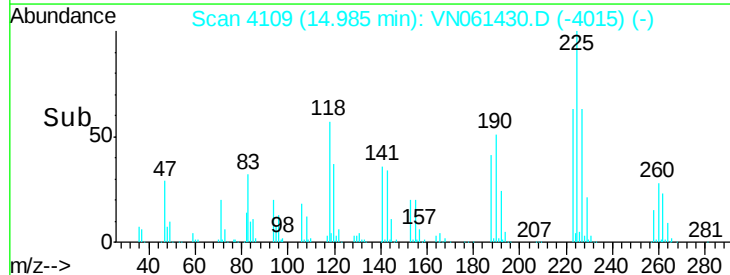
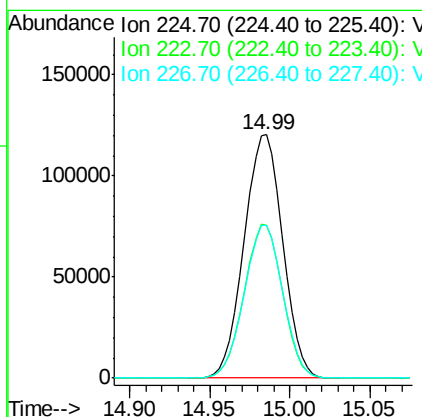
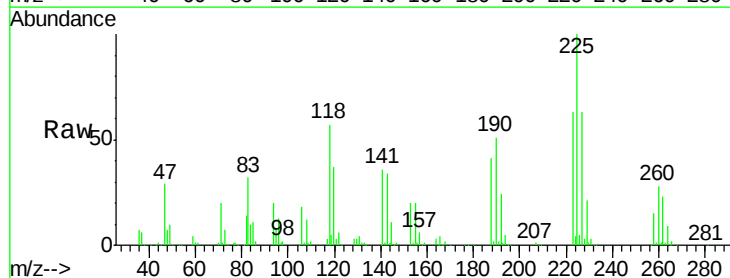
Manual Integrations
 APPROVED

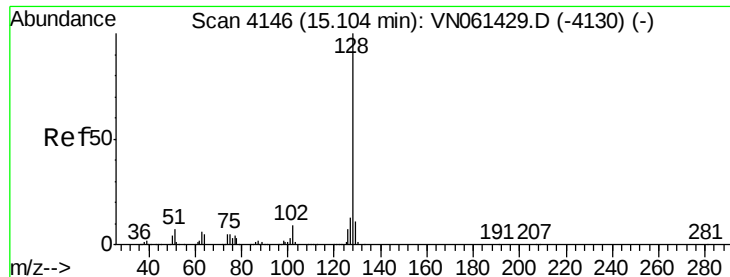
MMDadoda
 5/19/2020 4:25:37 PM



#94
 Hexachlorobutadiene
 Concen: 110.094 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061430.D
 Acq: 18 May 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	198711		
223	62.6	31.9	95.7	
227	62.4	31.5	94.5	





#95

Naphthalene

Concen: 104.002 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1578613

Ion Ratio Lower Upper

128 100

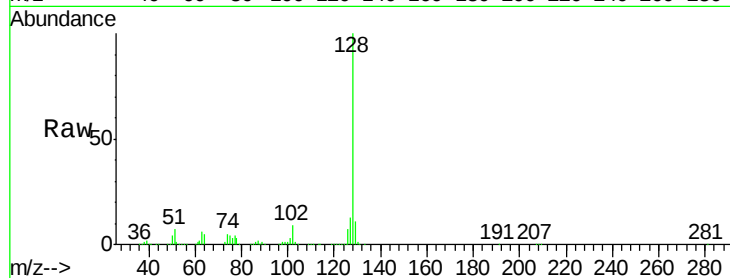
127 12.7 10.1 15.1

129 10.7 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

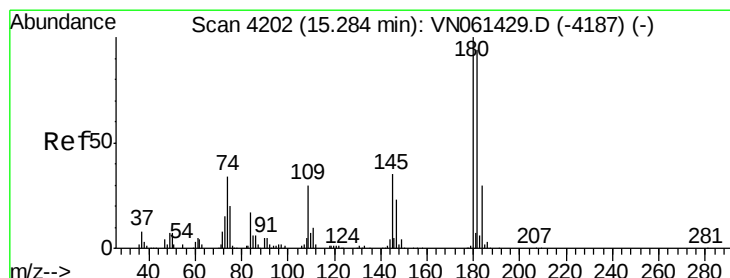
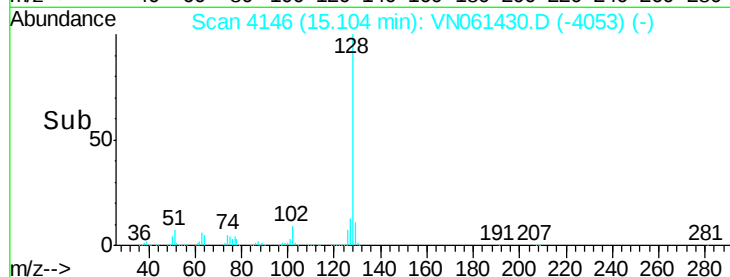
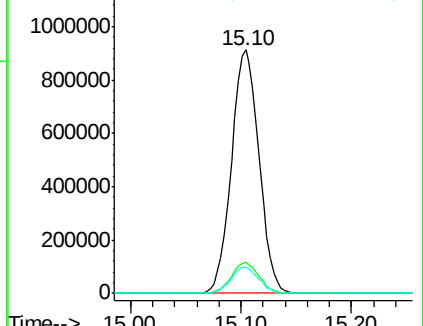
5/19/2020 4:25:37 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 102.265 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061430.D

Acq: 18 May 2020 12:23

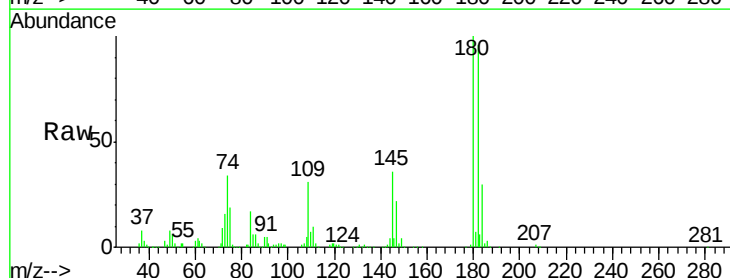
Tgt Ion:180 Resp: 479027

Ion Ratio Lower Upper

180 100

182 95.3 47.8 143.3

145 35.2 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

