

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064932.D
 Acq On : 4 Dec 2020 20:31
 Operator : JC/MD
 Sample : L4954-17MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:46:08 AM

Quant Time: Dec 05 03:34:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	223566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	353657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	322348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	153426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	127743	49.15	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.30%
35) Dibromofluoromethane	7.55	113	114387	54.05	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.10%
50) Toluene-d8	10.06	98	468793	54.22	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.44%
62) 4-Bromofluorobenzene	12.37	95	154784	50.02	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76478	39.471	ug/l	98
3) Chloromethane	2.04	50	103475	41.096	ug/l	99
4) Vinyl Chloride	2.17	62	108461	41.317	ug/l	97
5) Bromomethane	2.53	94	70725	41.065	ug/l	99
6) Chloroethane	2.67	64	68952	42.468	ug/l	100
7) Trichlorofluoromethane	2.99	101	161514	44.510	ug/l	99
8) Diethyl Ether	3.38	74	65485	45.719	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	103002	47.318	ug/l	98
10) Methyl Iodide	3.91	142	112178	39.730	ug/l	96
11) Tert butyl alcohol	4.74	59	99185	244.698	ug/l	99
12) 1,1-Dichloroethene	3.69	96	99193	45.755	ug/l	99
13) Acrolein	3.57	56	37117	149.915	ug/l	95
14) Allyl chloride	4.27	41	167503	46.845	ug/l	98
15) Acrylonitrile	4.93	53	280640	250.627	ug/l	99
16) Acetone	3.78	43	221937	259.758	ug/l	98
17) Carbon Disulfide	4.01	76	242824	43.381	ug/l	99
18) Methyl Acetate	4.28	43	120910	47.069	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	352124	50.643	ug/l	# 1
20) Methylene Chloride	4.50	84	120629	45.056	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	108524	45.078	ug/l	95
22) Diisopropyl ether	5.91	45	355584	49.684	ug/l	98
23) Vinyl Acetate	5.85	43	1366075	238.690	ug/l	100
24) 1,1-Dichloroethane	5.80	63	207673	48.553	ug/l	99
25) 2-Butanone	6.79	43	340328	245.720	ug/l	97
26) 2,2-Dichloropropane	6.78	77	163011	43.942	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	130823	48.291	ug/l	98
28) Bromochloromethane	7.15	49	97103	49.625	ug/l	98
29) Tetrahydrofuran	7.17	42	224036	234.330	ug/l	98
30) Chloroform	7.33	83	210782	47.787	ug/l	99
31) Cyclohexane	7.61	56	444217	122.626	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	179198	47.302	ug/l	99
36) 1,1-Dichloropropene	7.75	75	152438	46.503	ug/l	99
37) Ethyl Acetate	6.88	43	135255	42.834	ug/l	100
38) Carbon Tetrachloride	7.73	117	158569	46.490	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1573351	445.856	ug/l	97
40) Benzene	8.00	78	472801	47.068	ug/l	100
41) Methacrylonitrile	7.12	41	78847	54.116	ug/l #	78
42) 1,2-Dichloroethane	8.09	62	155265	45.819	ug/l	81
43) Isopropyl Acetate	8.13	43	282903	55.678	ug/l	94
44) Trichloroethene	8.80	130	128262	43.276	ug/l	100
45) 1,2-Dichloropropane	9.08	63	139582	53.658	ug/l	99
46) Dibromomethane	9.17	93	83627	48.120	ug/l	98
47) Bromodichloromethane	9.37	83	170791	48.842	ug/l	100
48) Methyl methacrylate	9.16	41	122325	50.383	ug/l	97
49) 1,4-Dioxane	9.17	88	43479	947.507	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	728801	238.921	ug/l	98
52) Toluene	10.12	92	298438	48.243	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	185160	47.541	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	201032	48.155	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	116749m	45.895	ug/l	
56) Ethyl methacrylate	10.40	69	239588	68.252	ug/l #	83
57) 1,3-Dichloropropane	10.68	76	202937	48.362	ug/l	99
59) 2-Hexanone	10.72	43	548350	249.782	ug/l	99
60) Dibromochloromethane	10.87	129	136636	48.321	ug/l	99
61) 1,2-Dibromoethane	10.98	107	123619	47.832	ug/l	100
64) Tetrachloroethene	10.60	164	127144	40.542	ug/l	98
65) Chlorobenzene	11.41	112	328303	47.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	125203	49.215	ug/l	99
67) Ethyl Benzene	11.48	91	582089	50.335	ug/l	99
68) m/p-Xylenes	11.59	106	435888	99.556	ug/l	98
69) o-Xylene	11.92	106	208254	50.124	ug/l	98
70) Stvrene	11.94	104	359202	51.212	ug/l	99
71) Bromoform	12.10	173	95784	47.141	ug/l #	100
73) Isopropylbenzene	12.22	105	934046	87.524	ug/l	100
74) N-amyl acetate	12.04	43	214148	50.990	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	165166	52.803	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	142312m	43.071	ug/l	
77) Bromobenzene	12.50	156	144993	50.395	ug/l	97
78) n-propylbenzene	12.56	91	1090464	89.696	ug/l	98
79) 2-Chlorotoluene	12.65	91	368612	49.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	463958	52.304	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	53661	44.511	ug/l	94
82) 4-Chlorotoluene	12.75	91	387803	49.232	ug/l	100
83) tert-Butylbenzene	12.97	119	406860	54.721	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	479491	53.463	ug/l	99
85) sec-Butylbenzene	13.14	105	606826	61.471	ug/l	98
86) p-Isopropyltoluene	13.26	119	471165	52.424	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	248582	48.630	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	249724	46.195	ug/l	99
89) n-Butylbenzene	13.59	91	438387	55.542	ug/l	97
90) Hexachloroethane	13.85	117	101165	64.794	ug/l	81
91) 1,2-Dichlorobenzene	13.62	146	246846	49.181	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	32944	46.808	ug/l	93
93) 1,2,4-Trichlorobenzene	14.88	180	148649	47.876	ug/l #	90

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SS013-13-6702-120220MSD

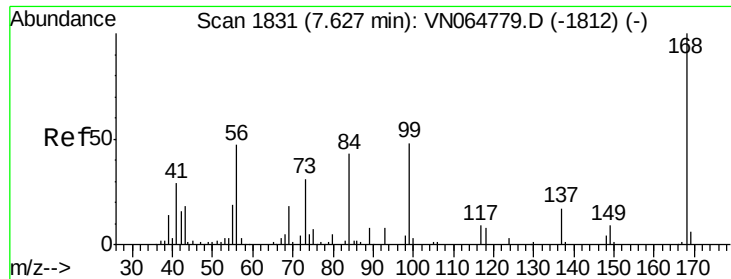
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	68992	49.350	ug/l	99
95) Naphthalene	15.10	128	810761	87.162	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	146770	49.750	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:168 Resp: 223566

Ion Ratio Lower Upper

168 100

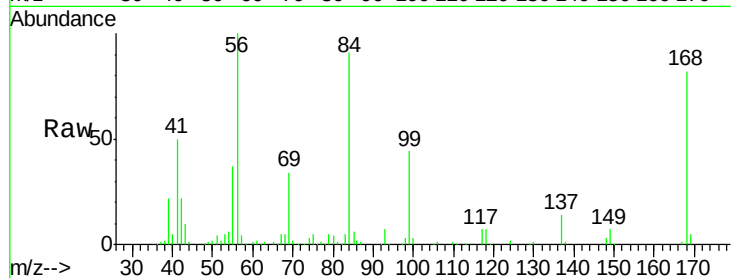
99 53.2 43.0 64.4

Manual Integrations

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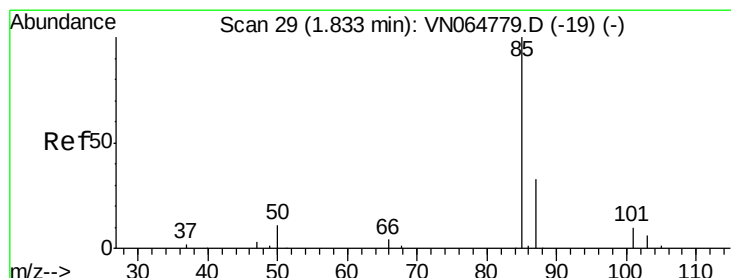
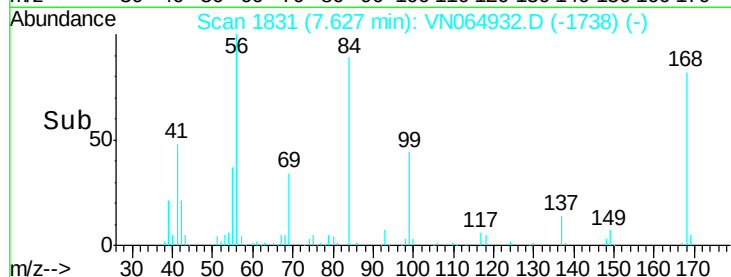
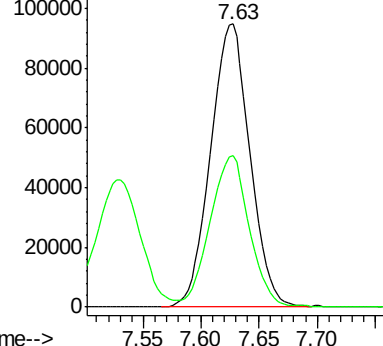
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 39.471 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064932.D

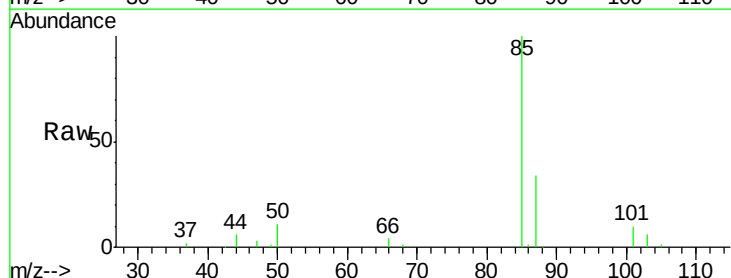
Acq: 4 Dec 2020 20:31

Tgt Ion: 85 Resp: 76478

Ion Ratio Lower Upper

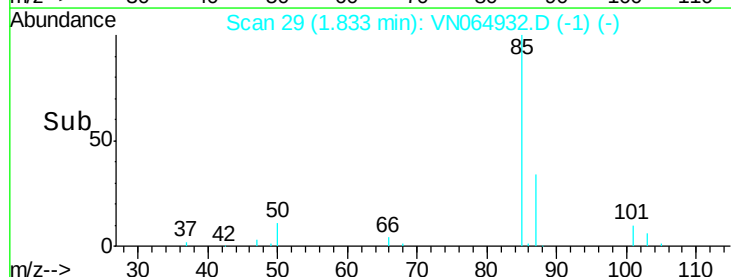
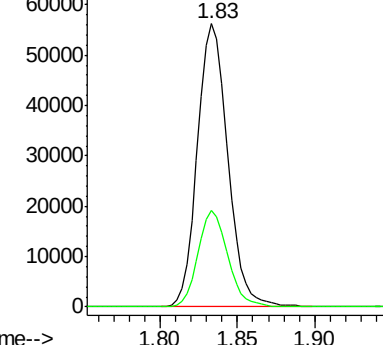
85 100

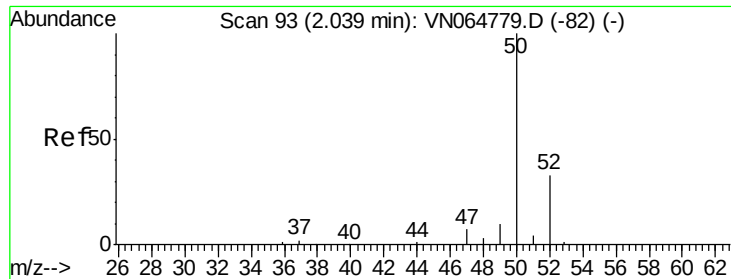
87 33.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 41.096 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 50 Resp: 103475

Ion Ratio Lower Upper

50 100

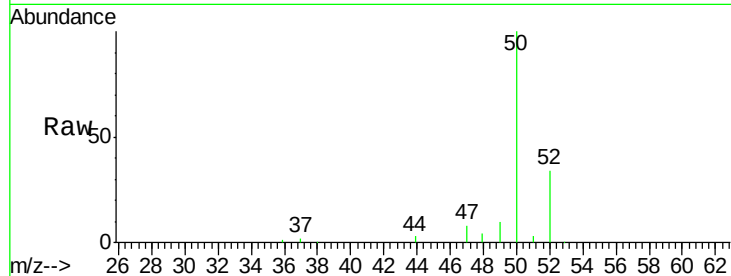
52 33.8 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

80000

60000

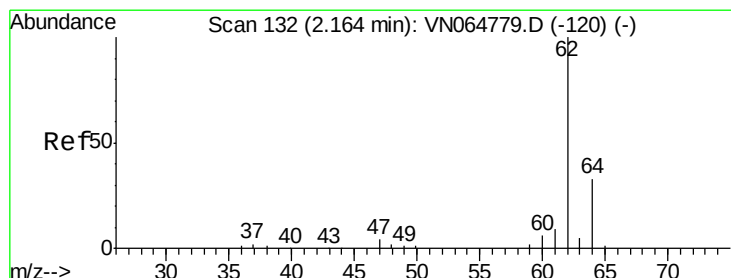
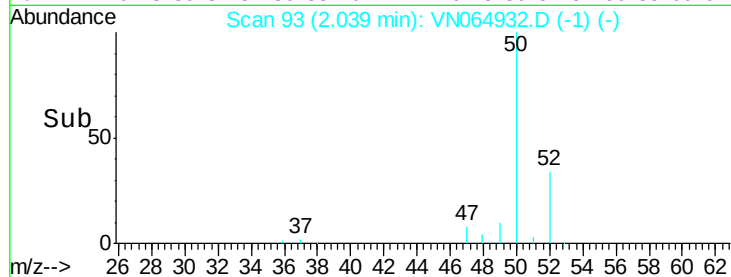
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 41.317 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064932.D

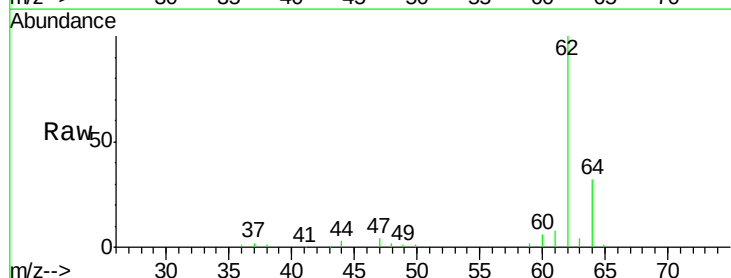
Acq: 4 Dec 2020 20:31

Tgt Ion: 62 Resp: 108461

Ion Ratio Lower Upper

62 100

64 31.6 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

60000

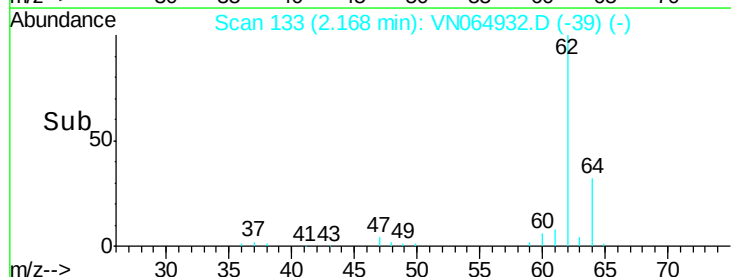
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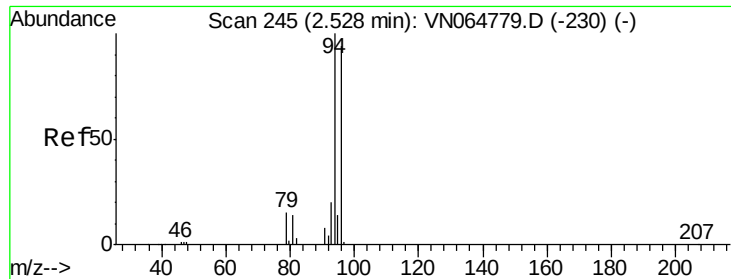
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 41.065 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

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ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 94 Resp: 70725

Ion Ratio Lower Upper

94 100

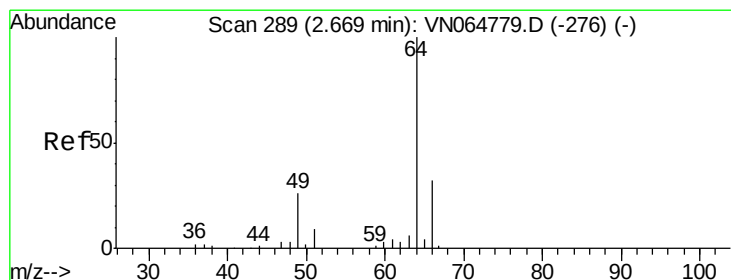
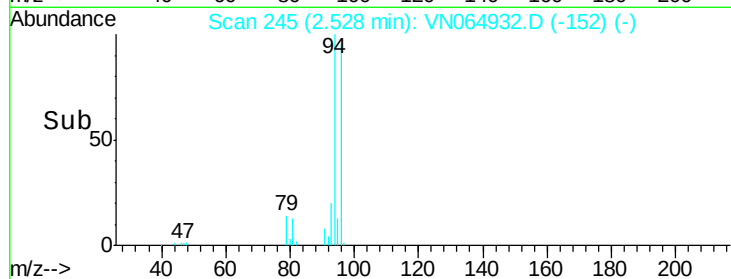
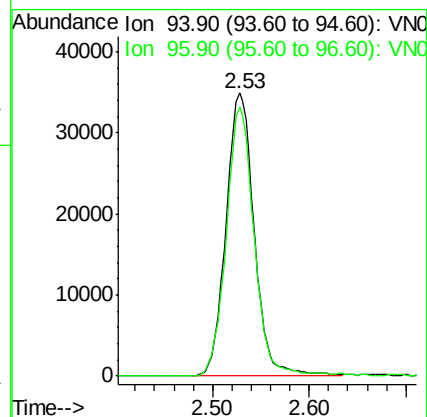
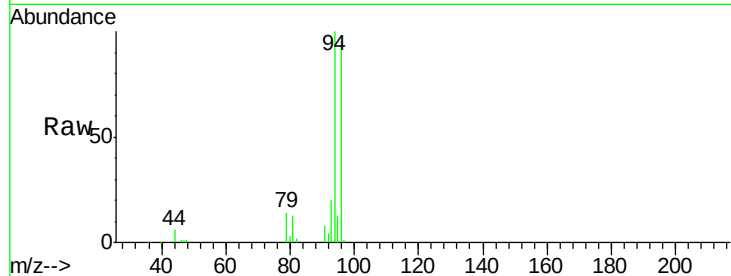
96 95.3 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 42.468 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064932.D

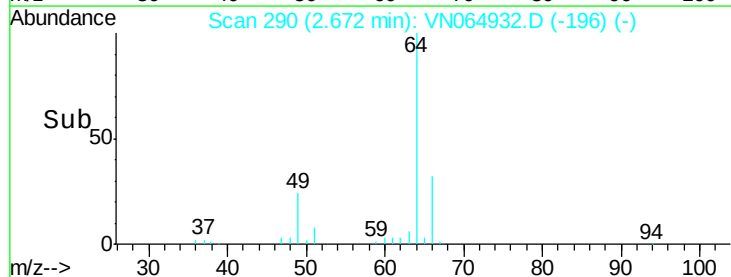
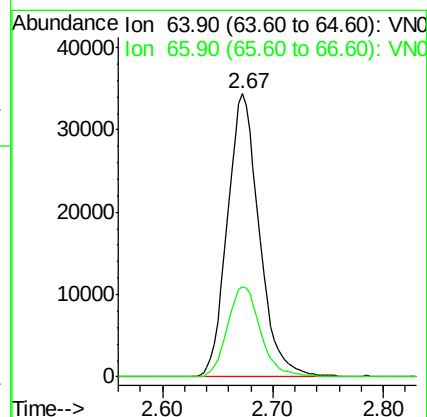
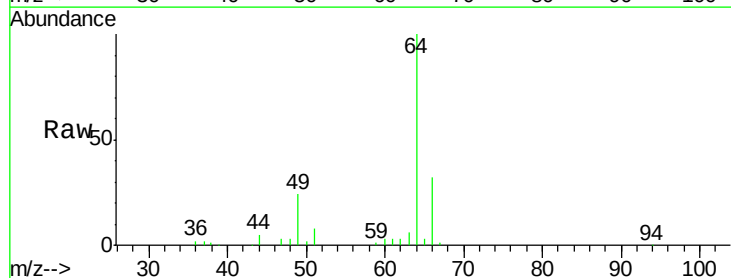
Acq: 4 Dec 2020 20:31

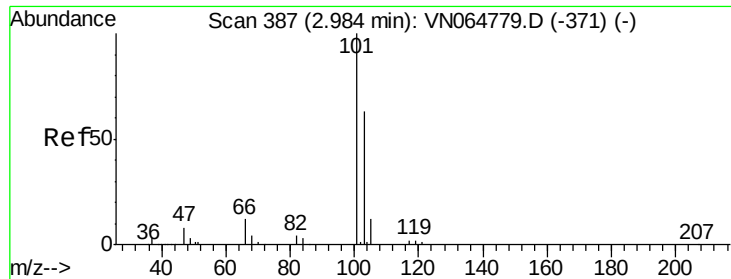
Tgt Ion: 64 Resp: 68952

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

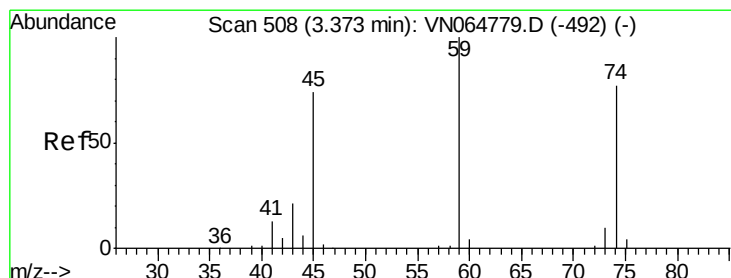
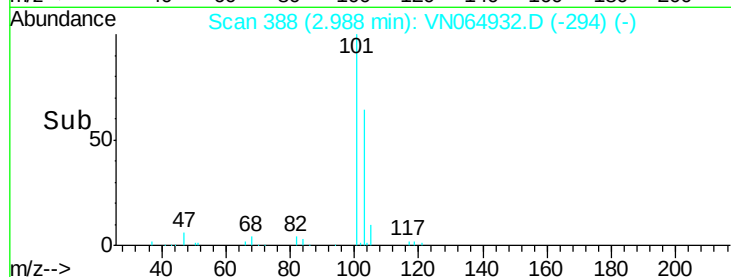
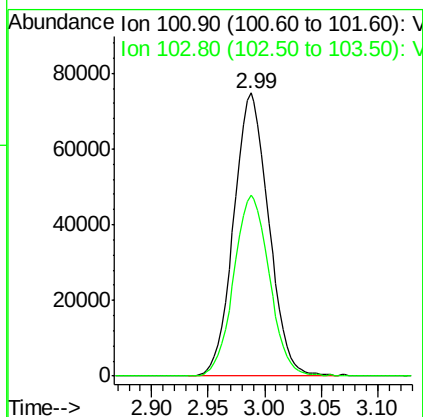
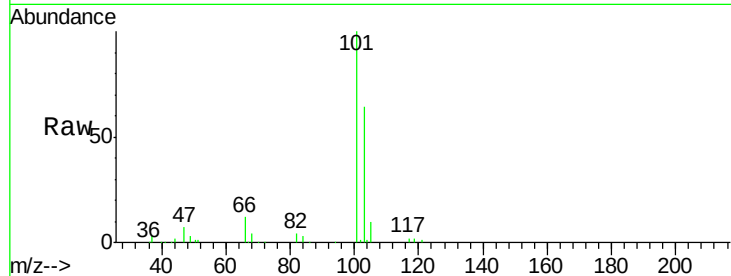
Trichlorofluoromethane
Concen: 44.510 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

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SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.5	75.7

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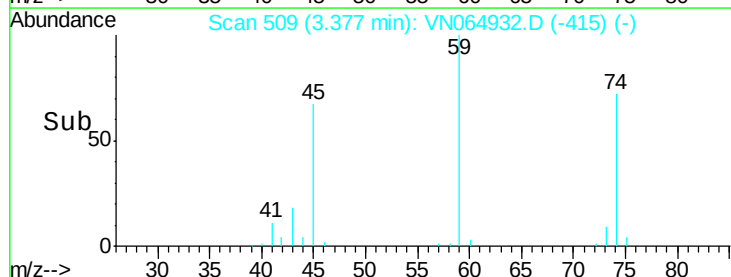
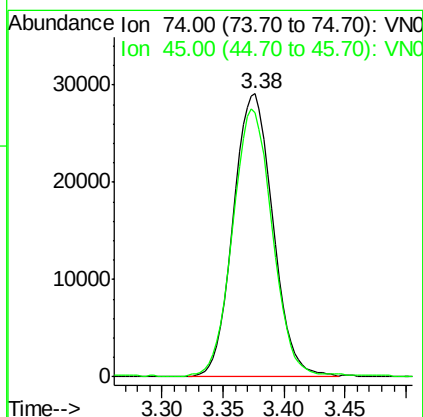
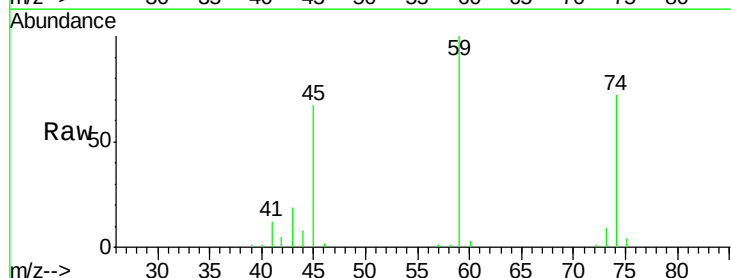
MMDadoda
12/7/2020 10:46:08 AM

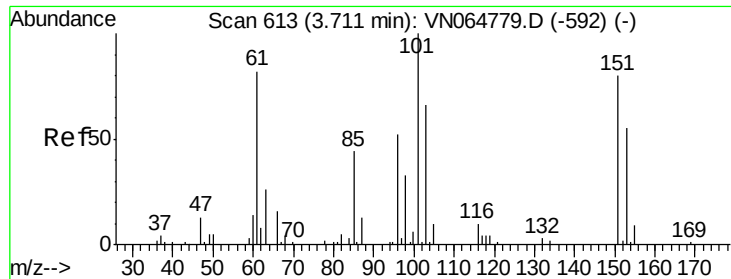


#8

Diethyl Ether
Concen: 45.719 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.318 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

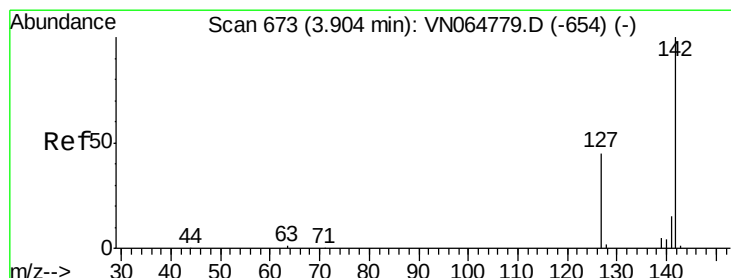
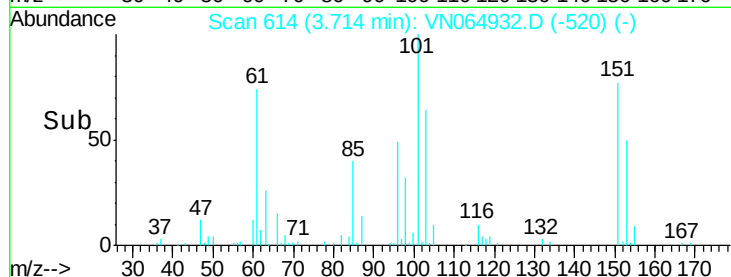
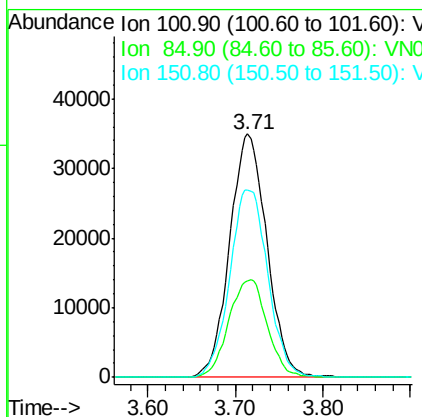
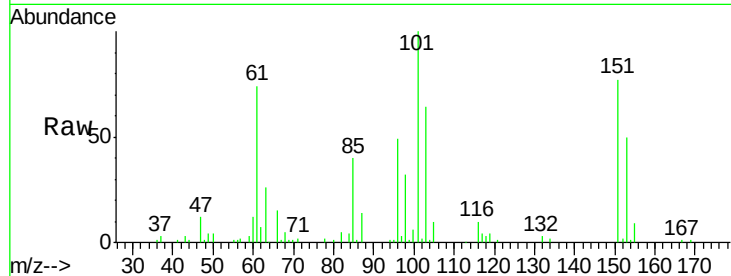
ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:	101	Resp:	103002
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.4	51.6
151	79.1	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 39.730 ug/l

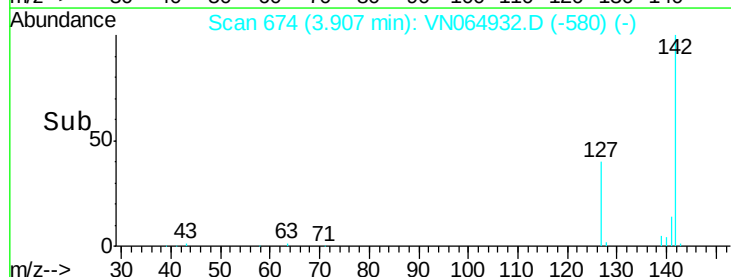
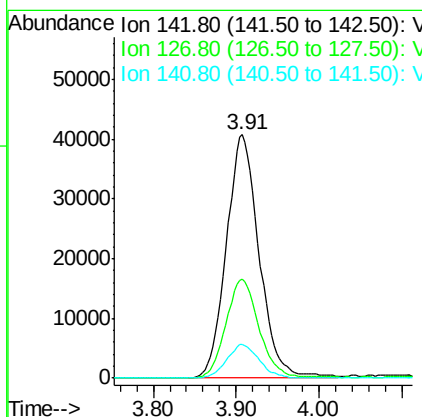
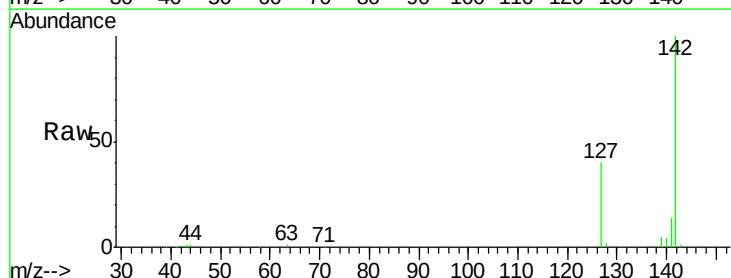
RT: 3.91 min Scan# 674

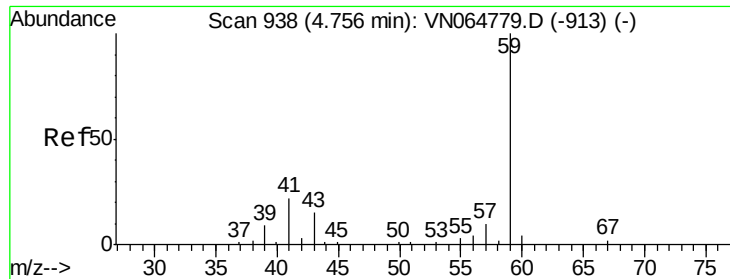
Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Tgt Ion:	142	Resp:	112178
Ion Ratio	Lower	Upper	
142	100		
127	40.8	35.0	52.6
141	13.6	11.8	17.6





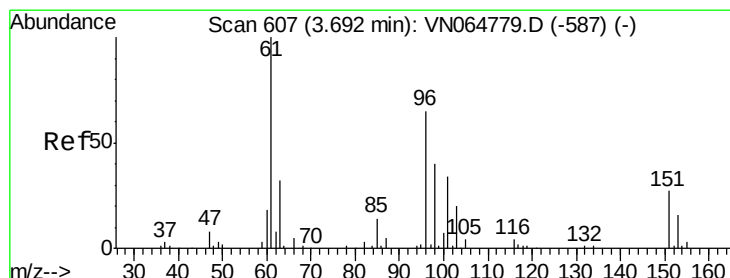
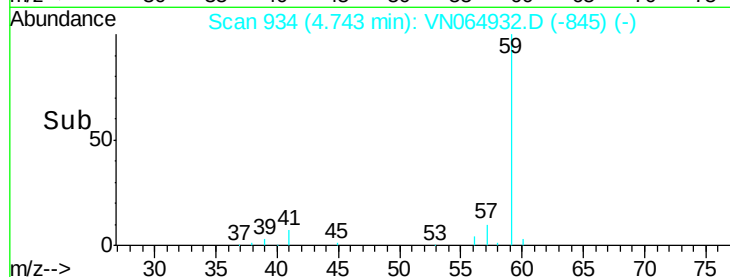
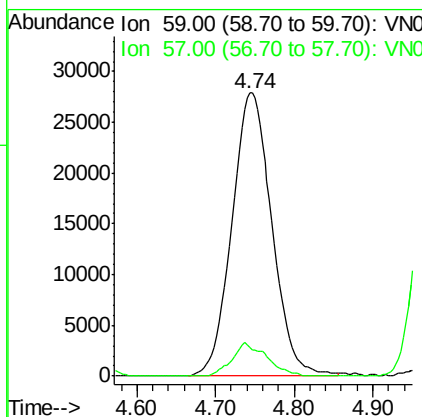
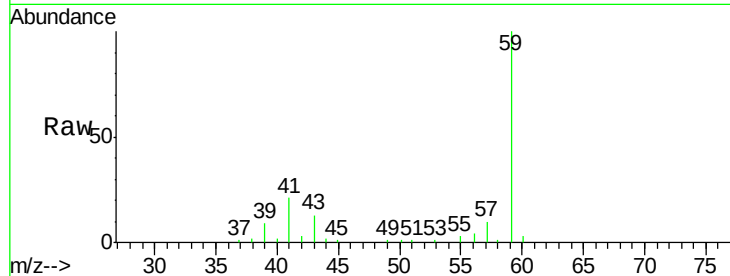
#11
Tert butyl alcohol
Concen: 244.698 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	10.3		7.9	11.9

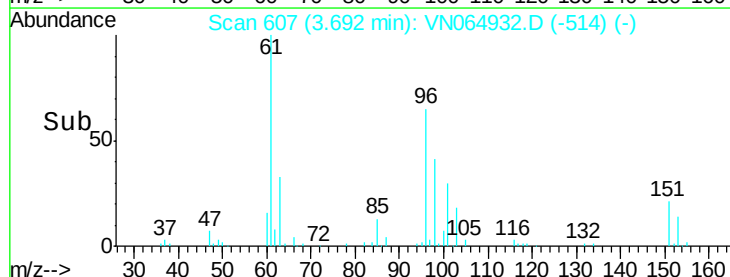
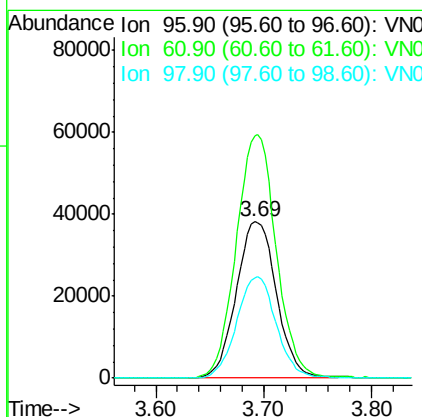
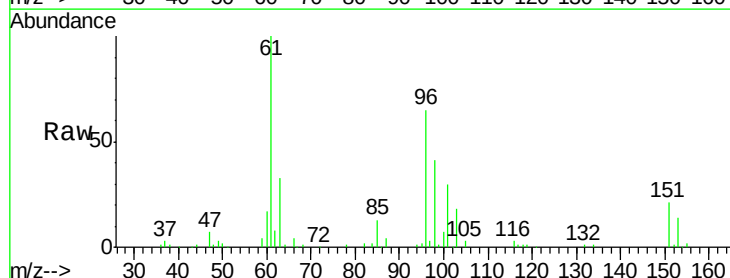
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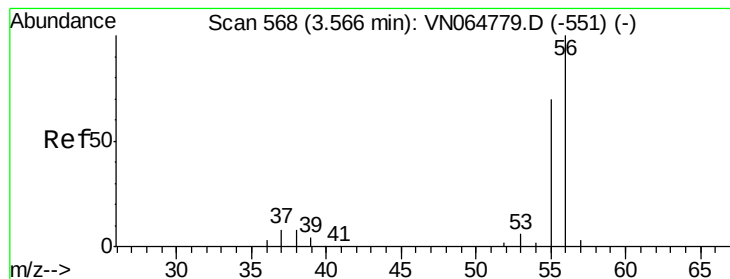
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.755 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.8		123.4	185.2
98	64.2		49.8	74.8





#13

Acrolein

Concen: 149.915 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 56 Resp: 37117

Ion Ratio Lower Upper

56 100

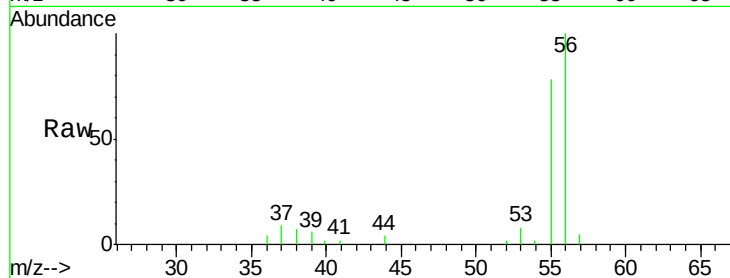
55 74.7 56.5 84.7

Manual Integrations

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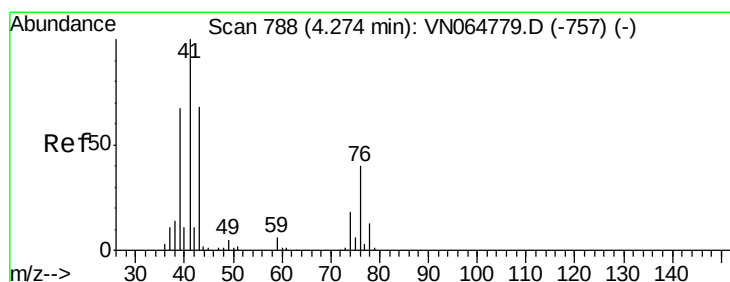
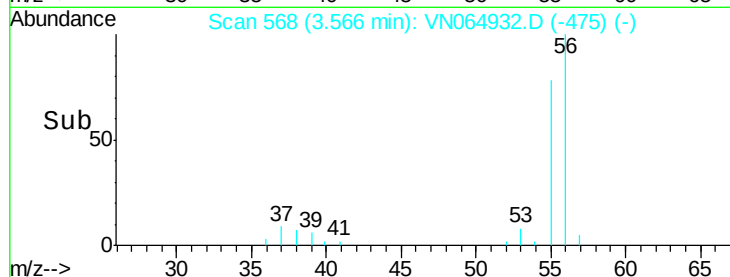
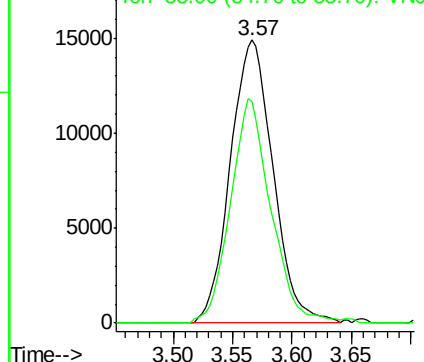
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.845 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

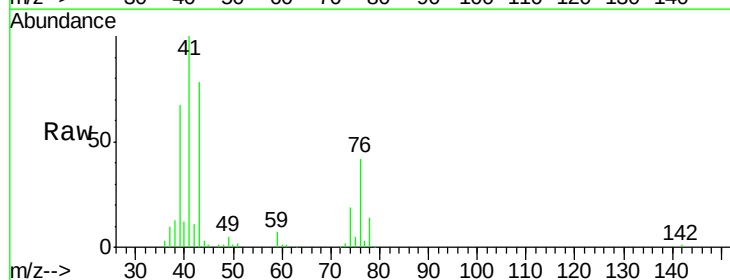
Tgt Ion: 41 Resp: 167503

Ion Ratio Lower Upper

41 100

39 61.6 50.9 76.3

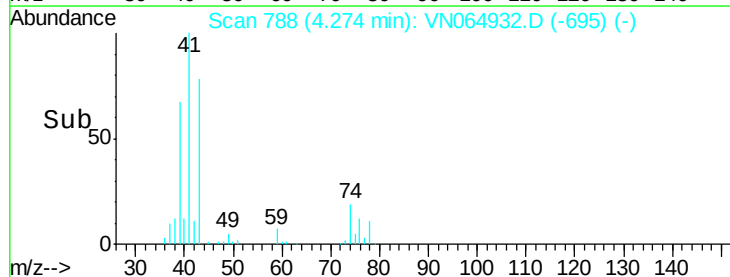
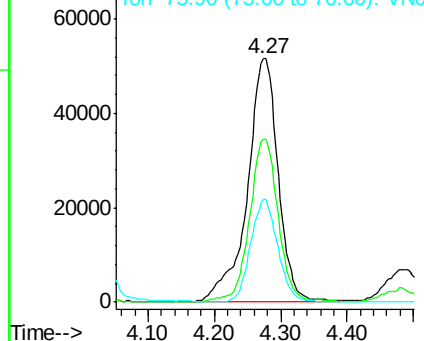
76 36.9 29.0 43.4

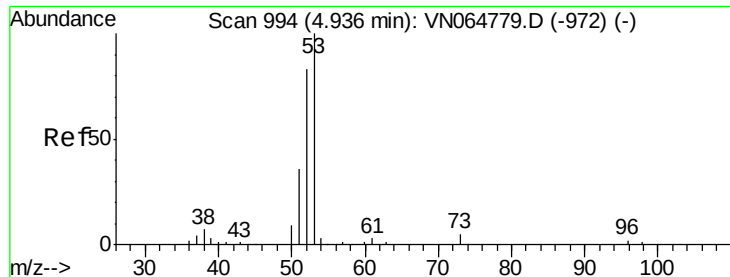


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 250.627 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

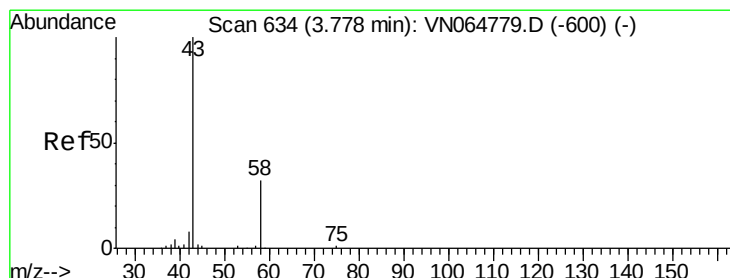
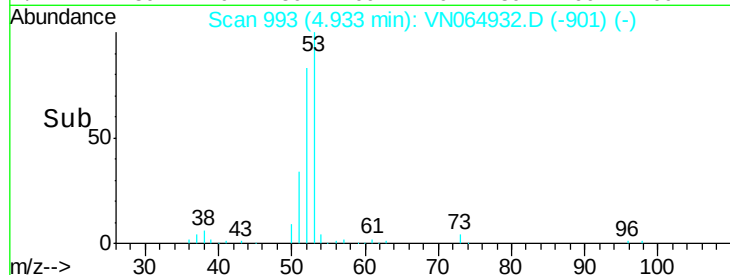
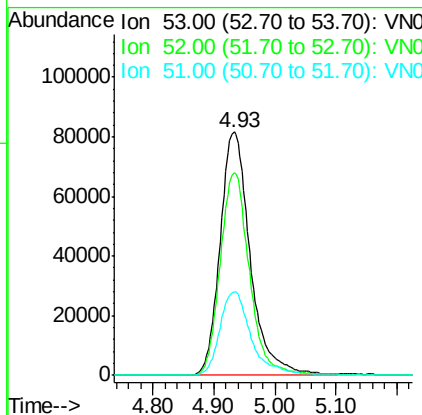
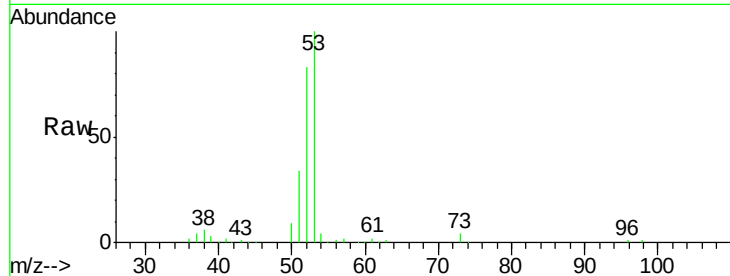
ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:	53	Resp:	280640
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.5	98.3
51	35.5	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 259.758 ug/l

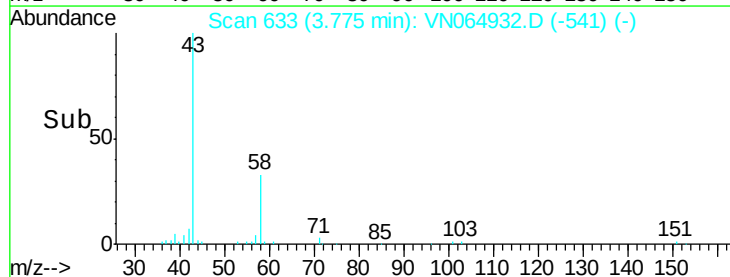
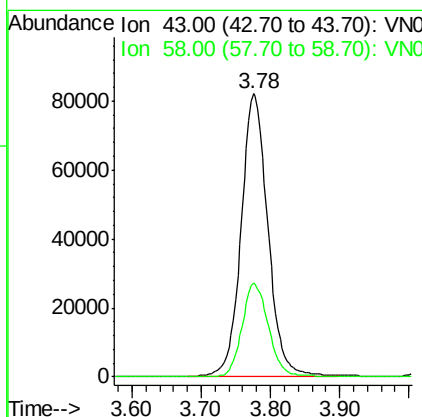
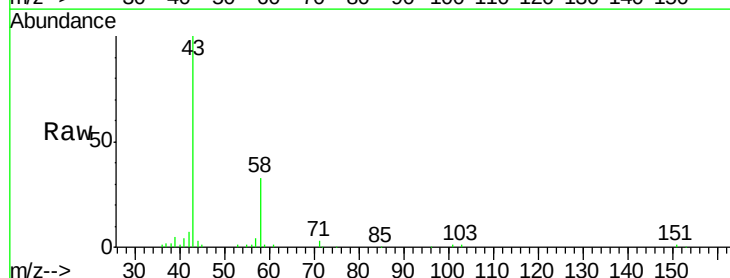
RT: 3.78 min Scan# 633

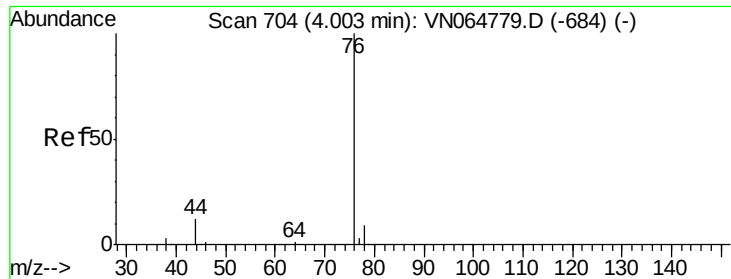
Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Tgt Ion:	43	Resp:	221937
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.7	38.5





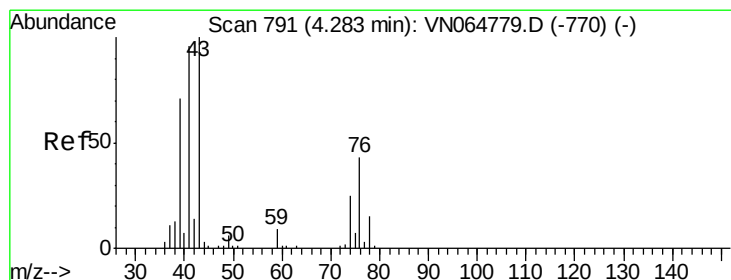
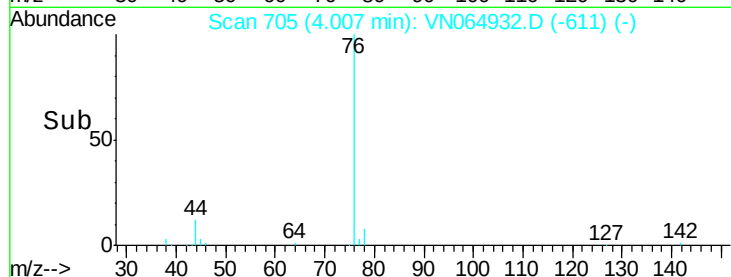
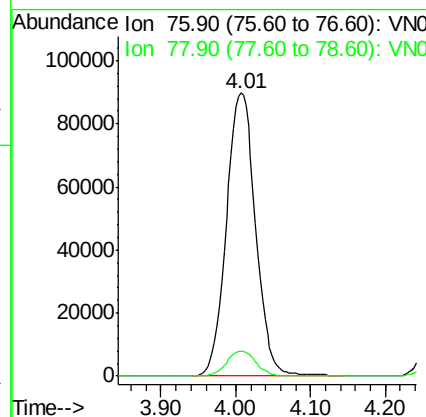
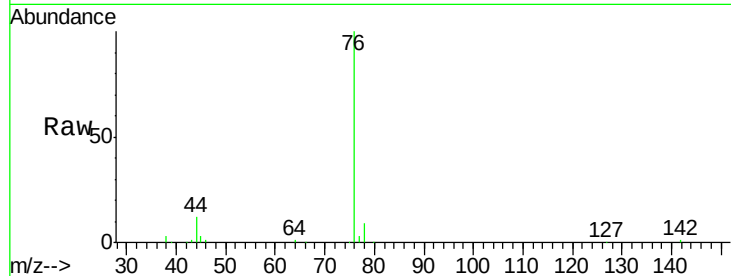
#17
Carbon Disulfide
Concen: 43.381 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

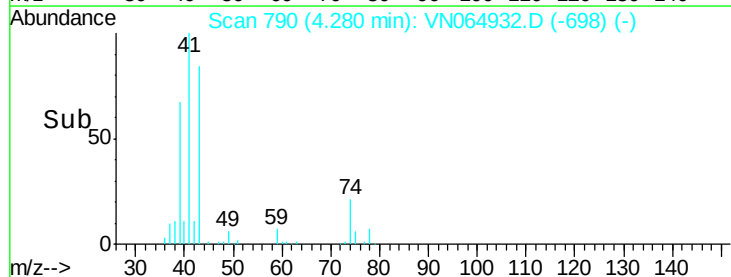
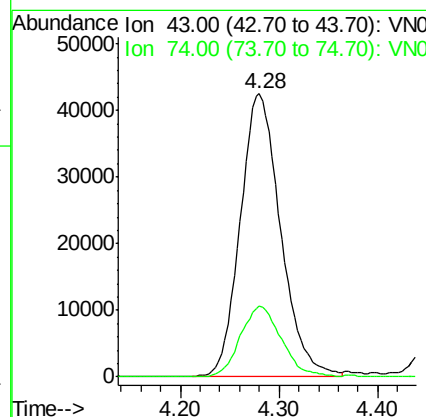
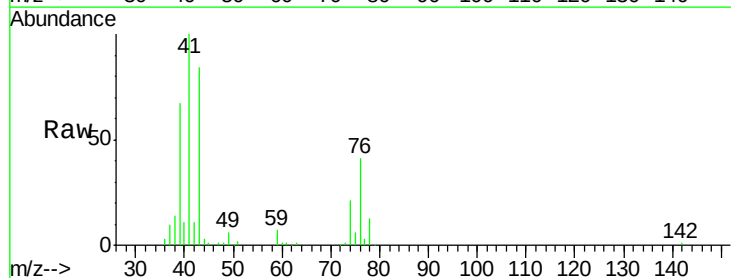
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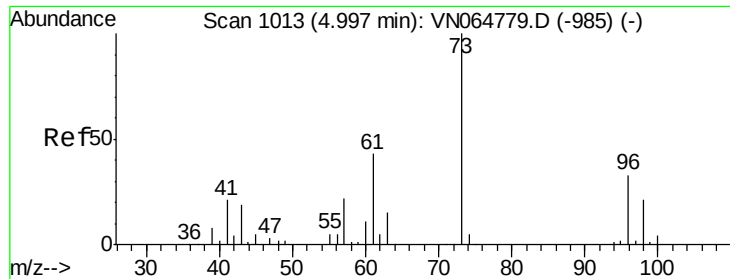
MMDadoda
12/7/2020 10:46:08 AM



#18
Methyl Acetate
Concen: 47.069 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.2	30.2





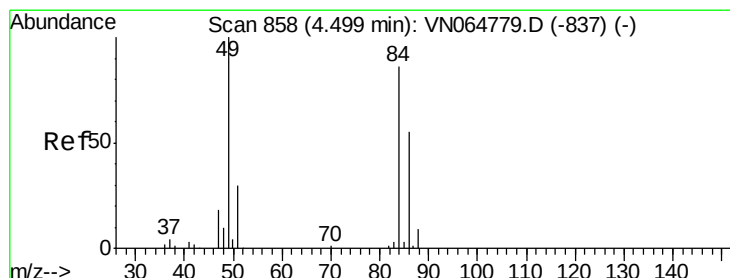
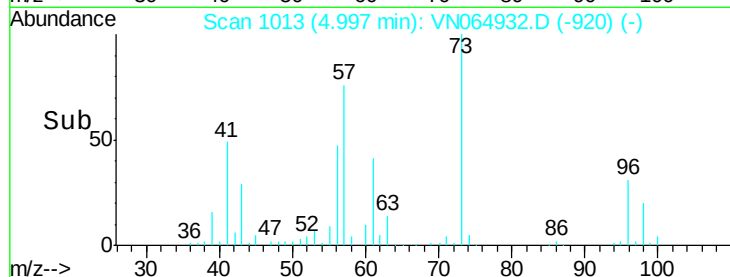
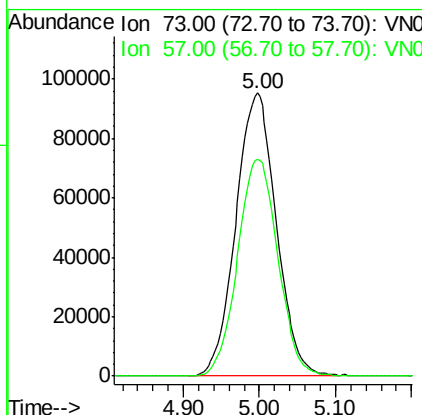
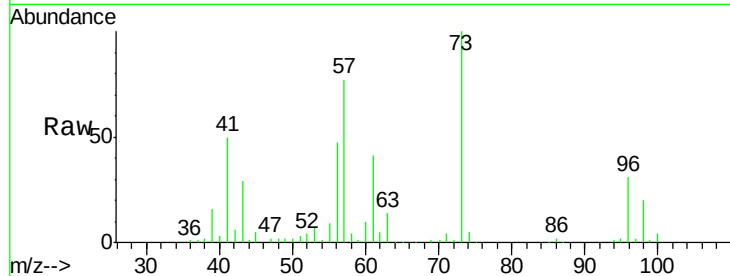
#19
Methyl tert-butyl Ether
Concen: 50.643 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion: 73 Resp: 352124
Ion Ratio Lower Upper
73 100
57 76.6 17.4 26.0#

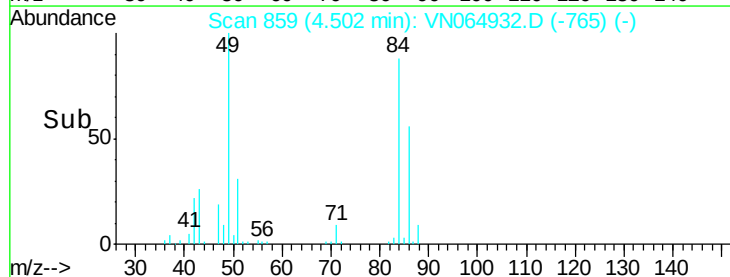
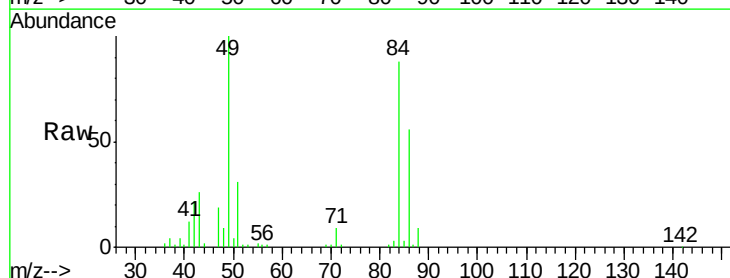
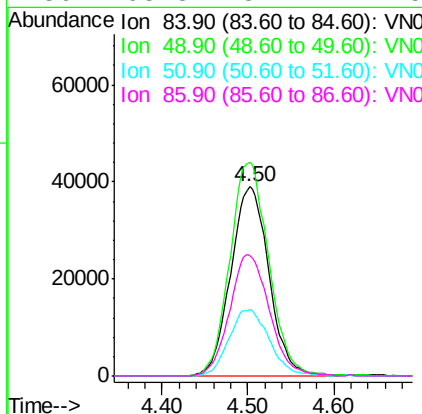
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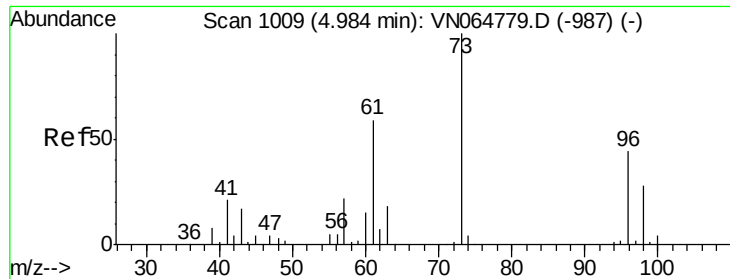
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#20
Methylene Chloride
Concen: 45.056 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion: 84 Resp: 120629
Ion Ratio Lower Upper
84 100
49 113.0 93.4 140.0
51 35.0 28.2 42.4
86 63.8 51.7 77.5





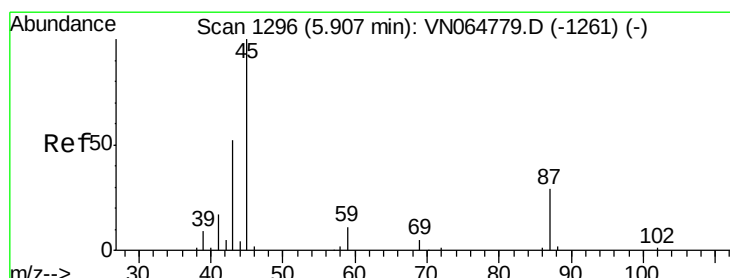
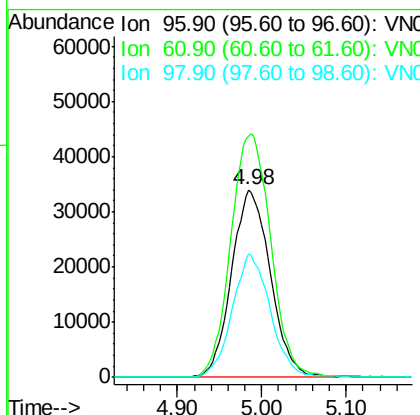
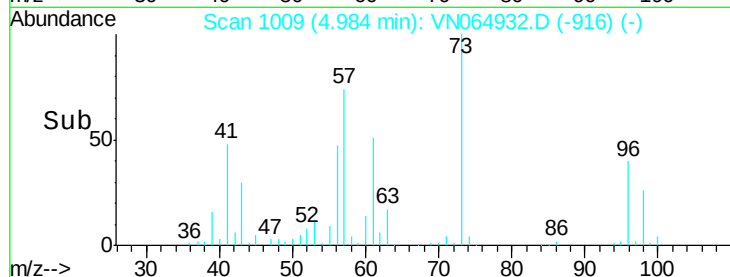
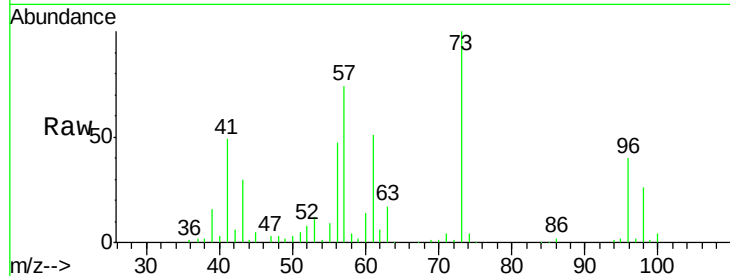
#21
trans-1,2-Dichloroethene
Concen: 45.078 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	108.4	162.6
98	65.7	51.3	76.9

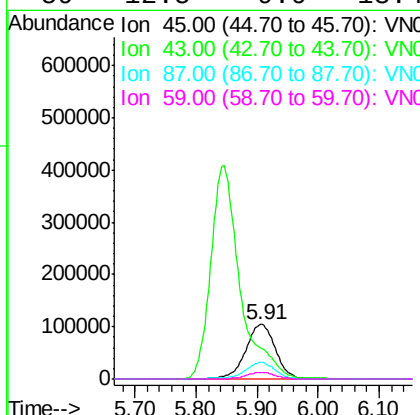
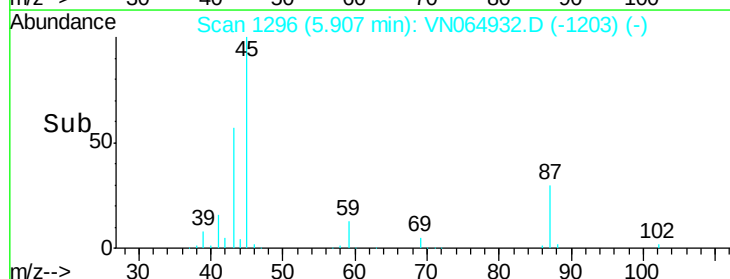
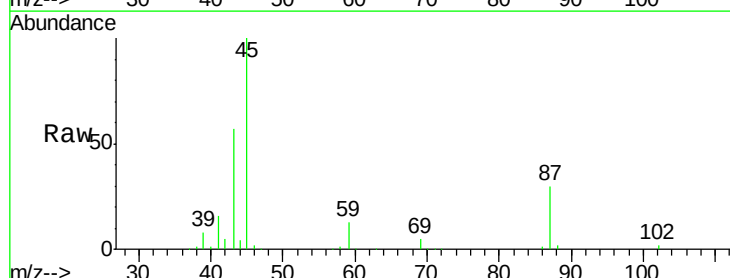
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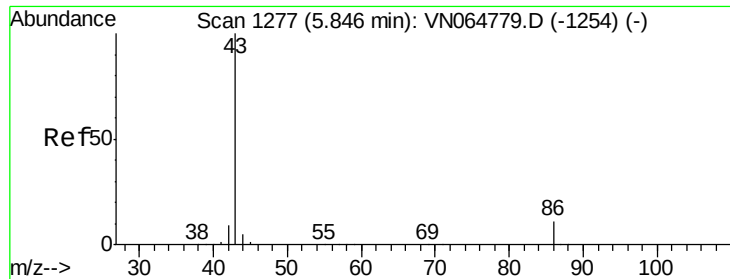
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#22
Diisopropyl ether
Concen: 49.684 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	46.2	69.2
87	30.2	24.1	36.1
59	12.5	9.0	13.4





#23

Vinyl Acetate

Concen: 238.690 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 43 Resp: 1366075

Ion Ratio Lower Upper

43 100

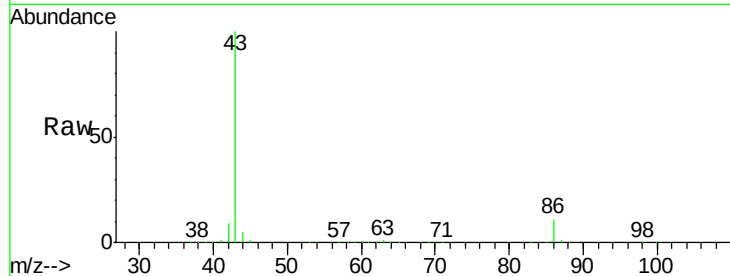
86 11.0 8.9 13.3

Manual Integrations

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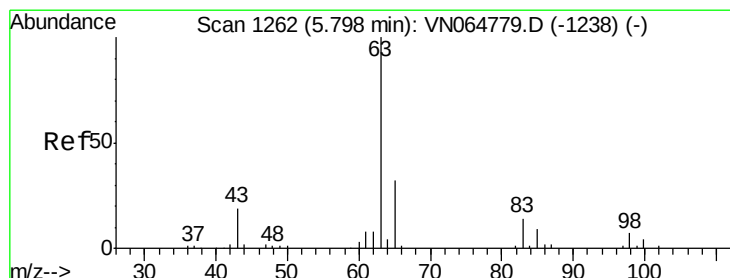
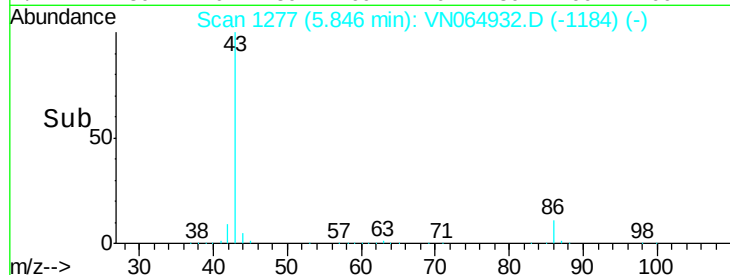
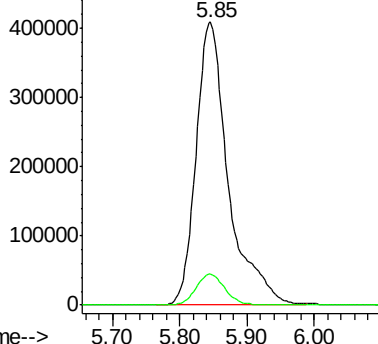
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.553 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

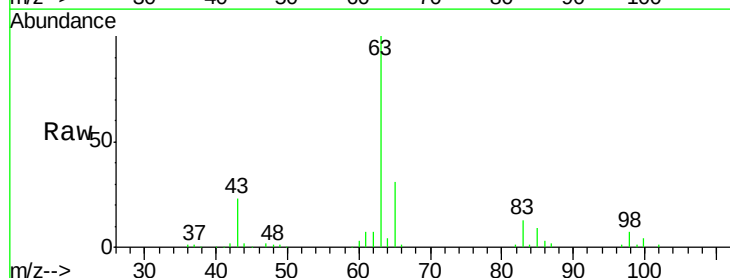
Tgt Ion: 63 Resp: 207673

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

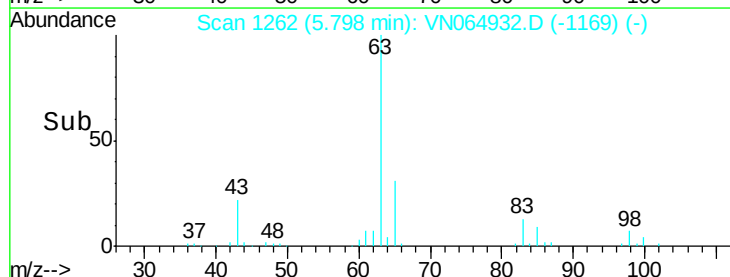
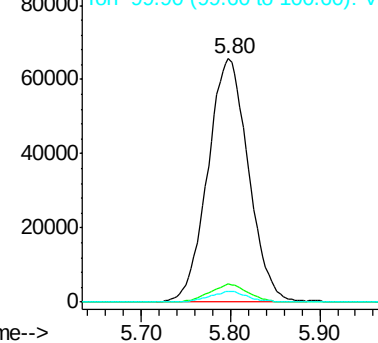
100 4.5 2.3 6.8

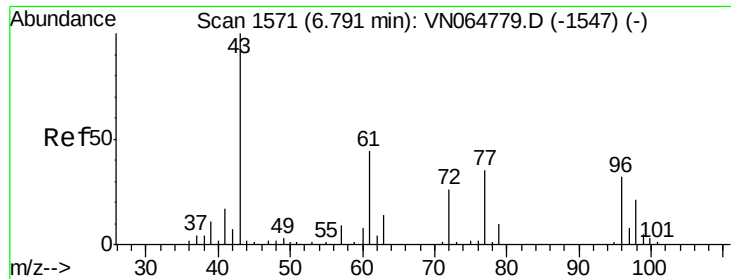


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 245.720 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 43 Resp: 340328

Ion Ratio Lower Upper

43 100

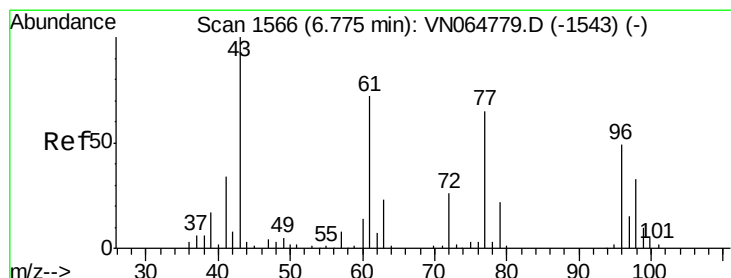
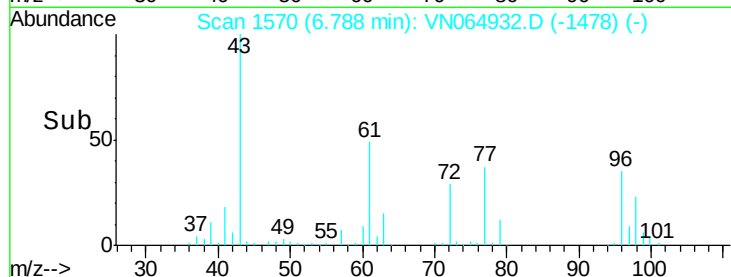
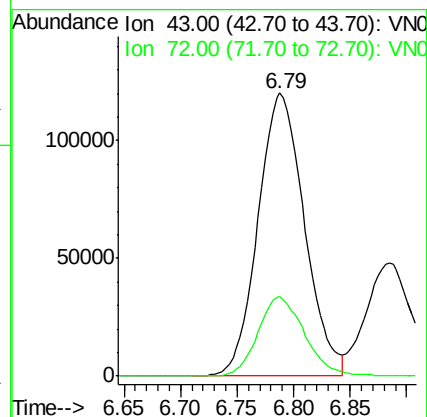
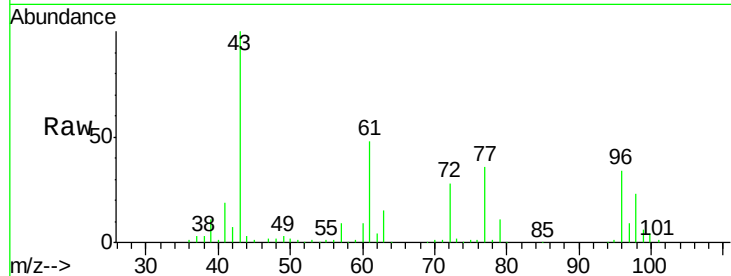
72 28.1 21.0 31.6

Manual Integrations

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MMDadoda

12/7/2020 10:46:08 AM



#26

2,2-Dichloropropane

Concen: 43.942 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064932.D

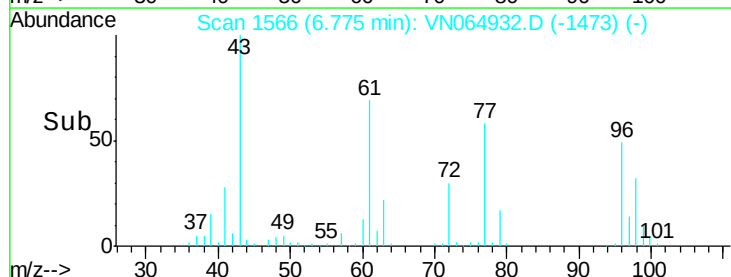
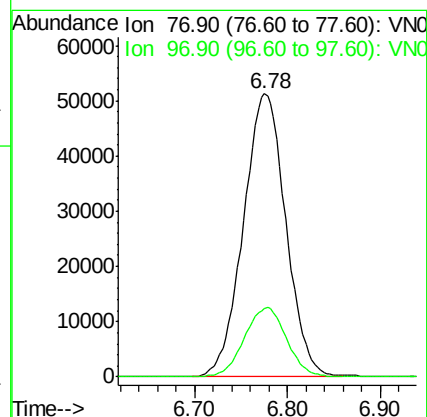
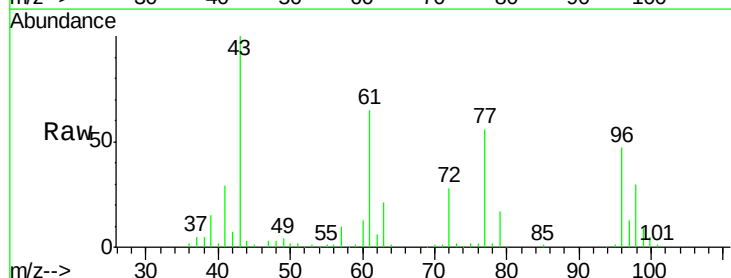
Acq: 4 Dec 2020 20:31

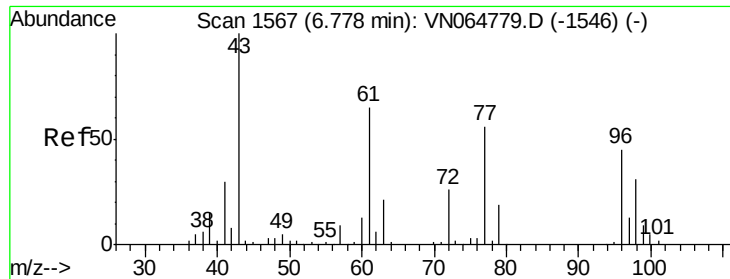
Tgt Ion: 77 Resp: 163011

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 48.291 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

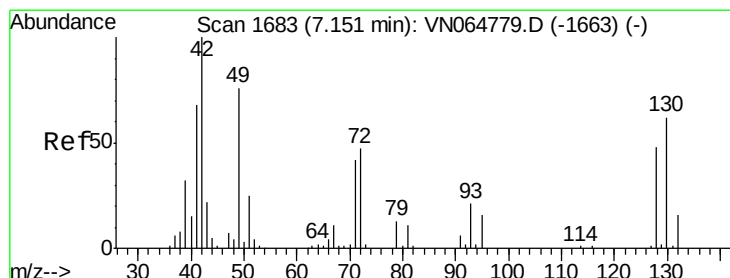
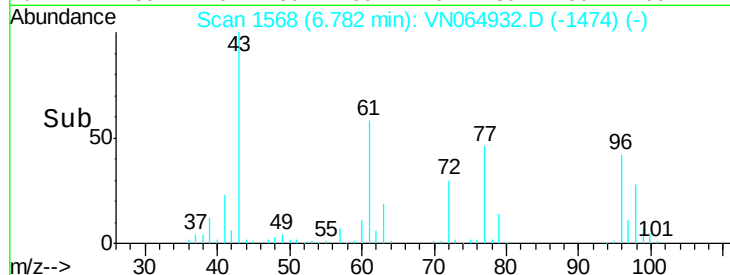
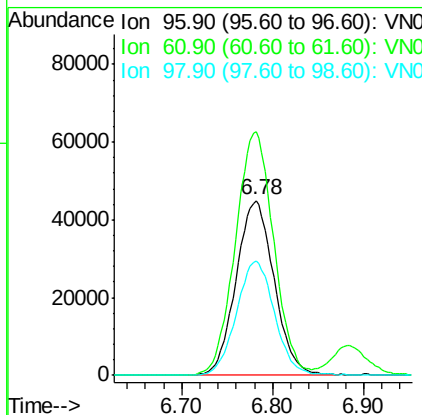
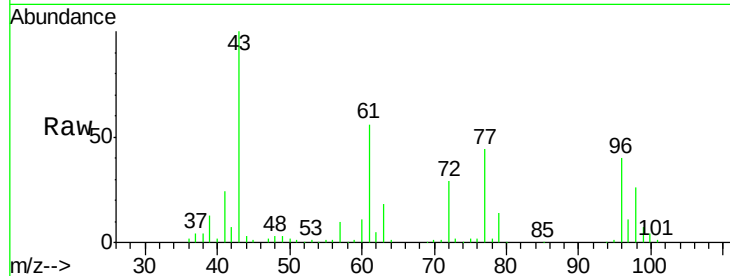
ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:	96	Resp:	130823
Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	285.8
98	65.5	0.0	130.6

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#28

Bromochloromethane

Concen: 49.625 ug/l

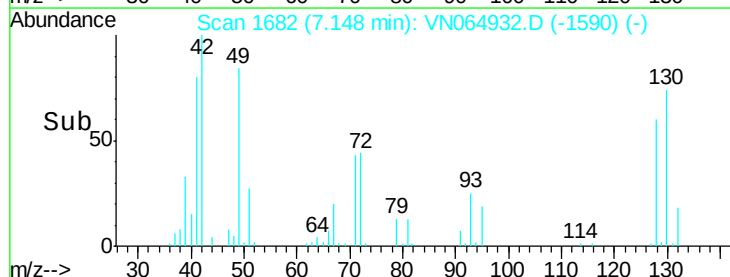
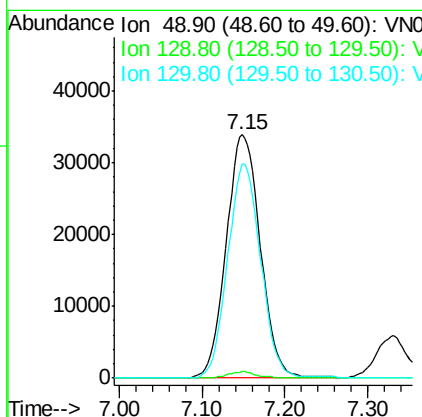
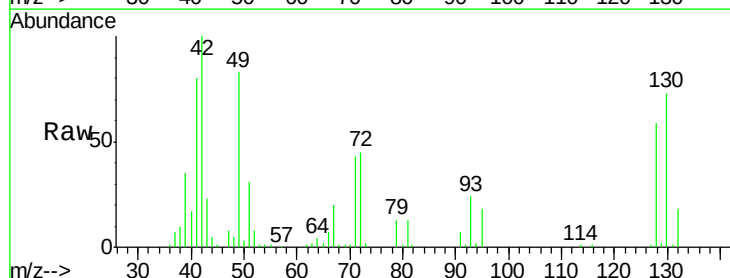
RT: 7.15 min Scan# 1682

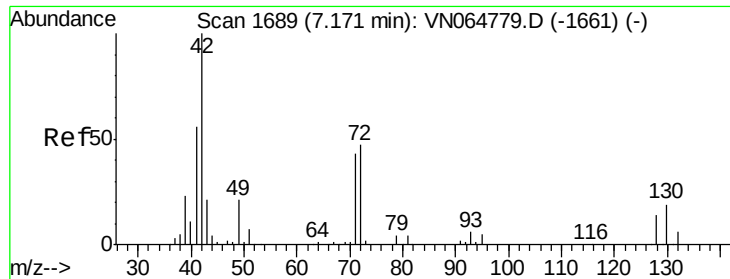
Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Tgt Ion:	49	Resp:	97103
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	84.8	66.2	99.2





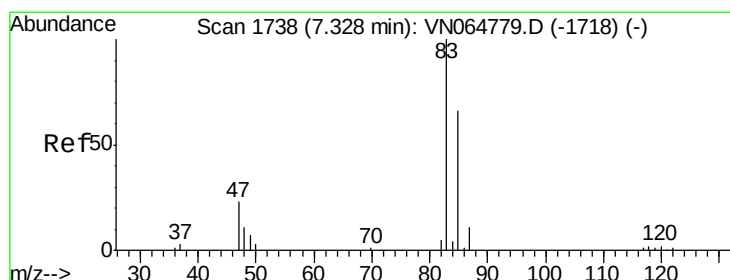
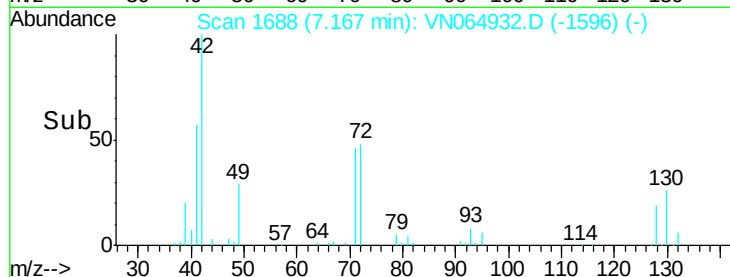
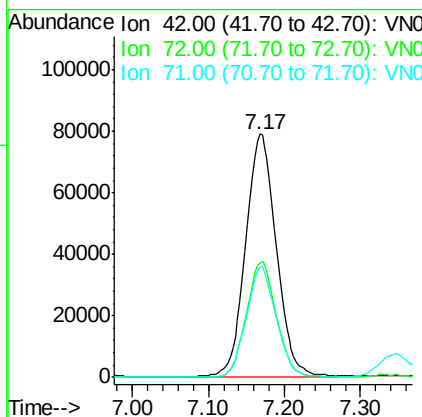
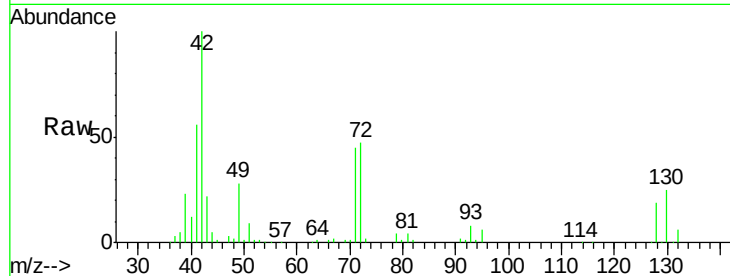
#29
Tetrahydrofuran
Concen: 234.330 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	54.8
71	44.1	33.6	50.4

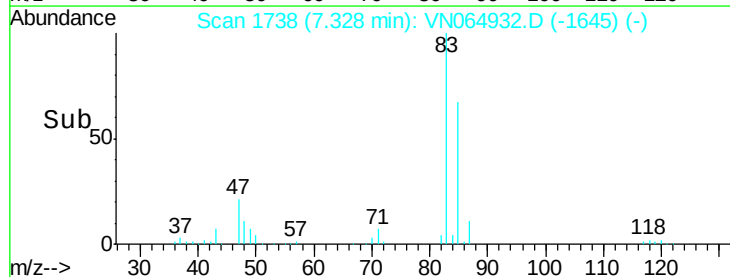
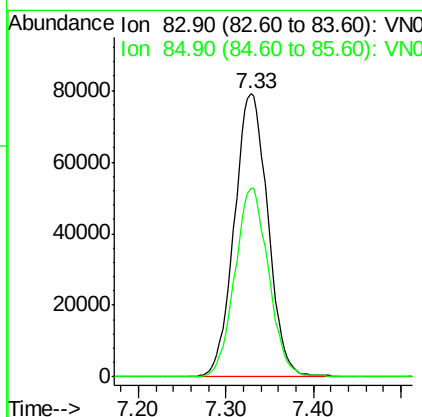
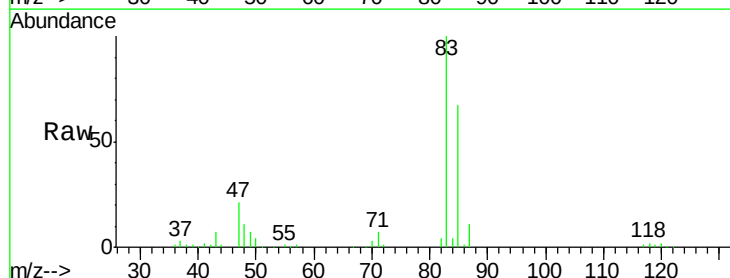
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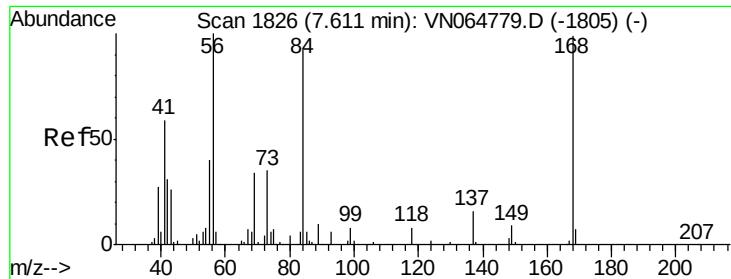
MMDadoda
12/7/2020 10:46:08 AM



#30
Chloroform
Concen: 47.787 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8





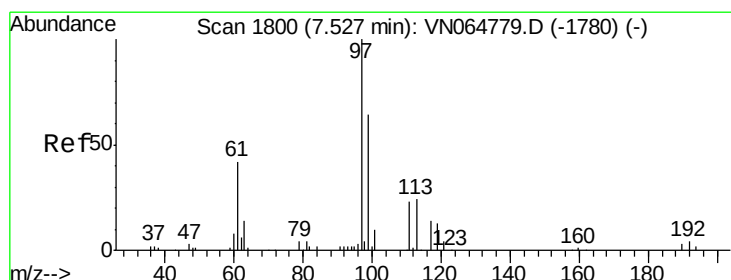
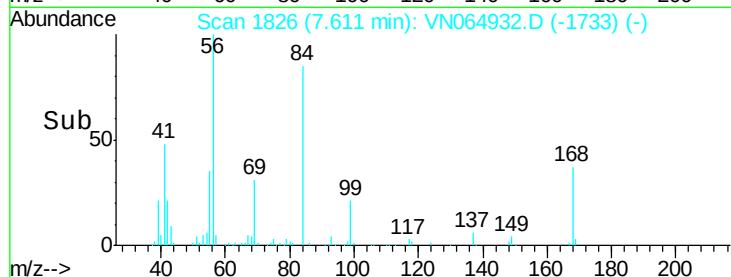
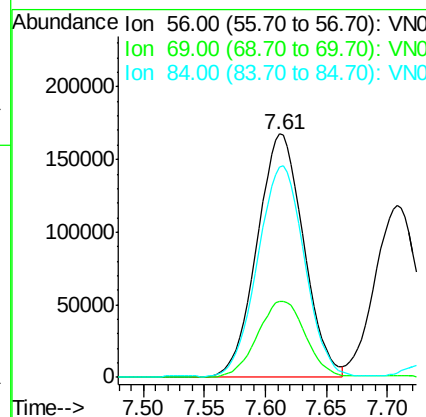
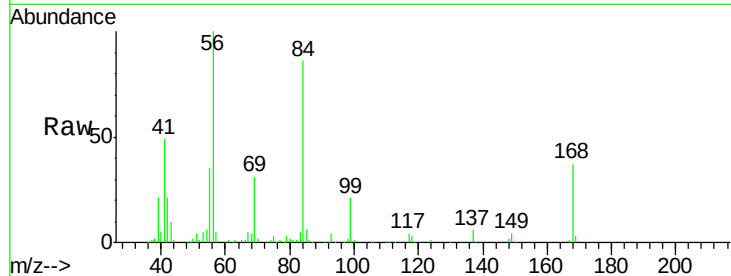
#31
Cyclohexane
Concen: 122.626 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	27.5	41.3
84	85.8	73.9	110.9

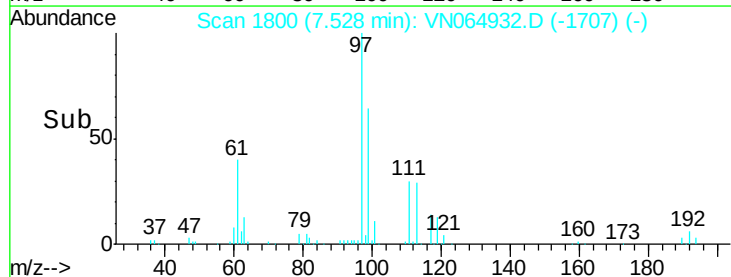
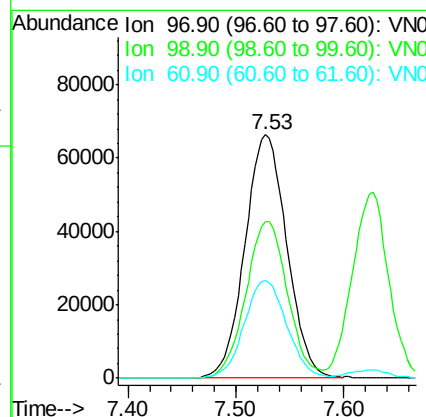
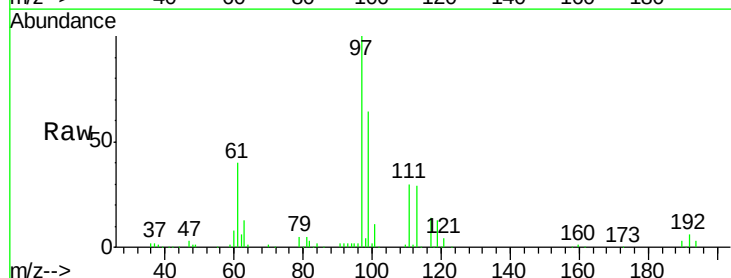
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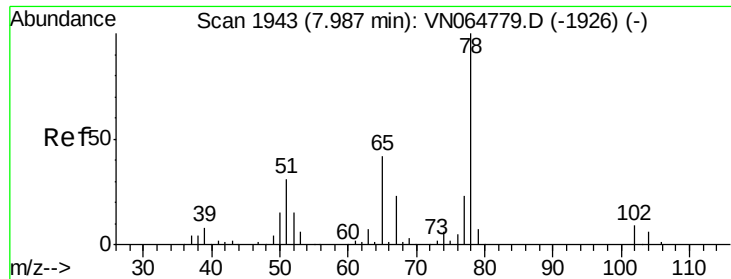
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#32
1,1,1-Trichloroethane
Concen: 47.302 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	40.8	33.9	50.9





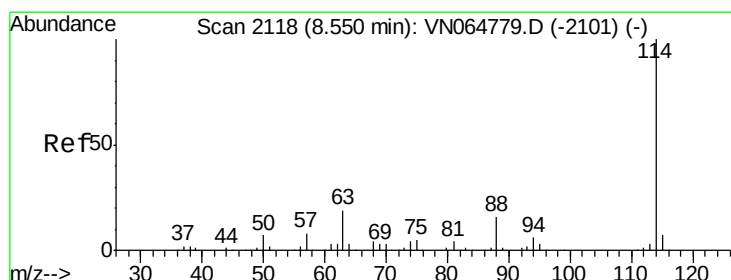
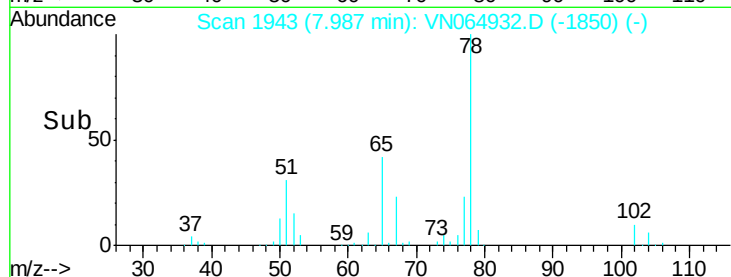
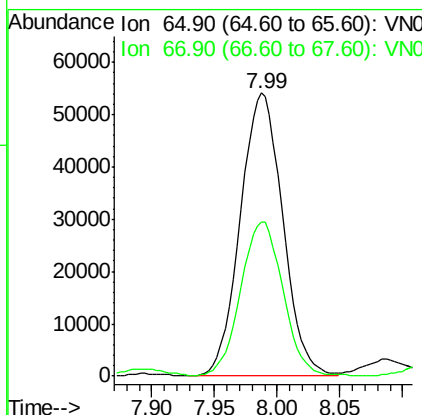
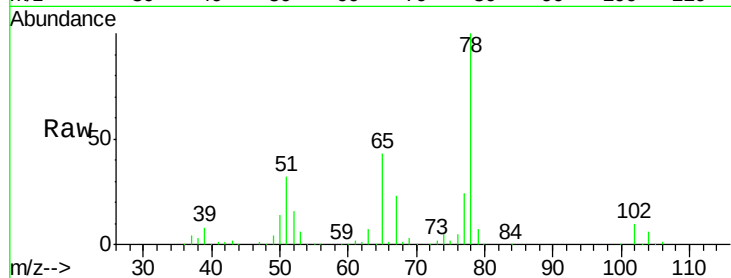
#33
 1,2-Dichloroethane-d4
 Concen: 49.149 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127743		
67	54.2	0.0	108.2	

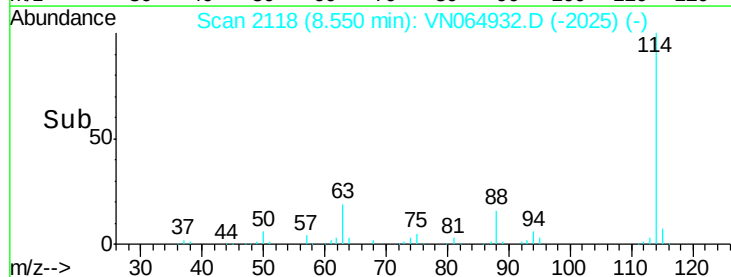
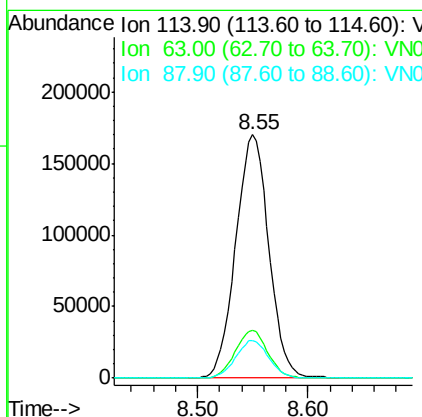
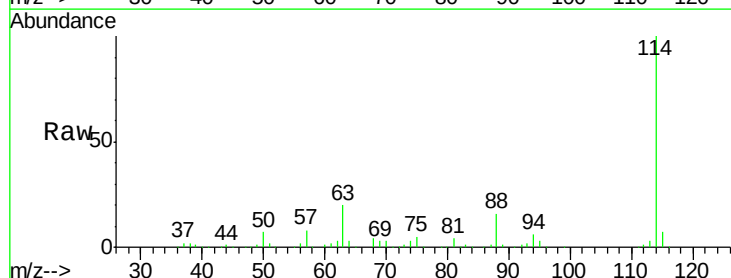
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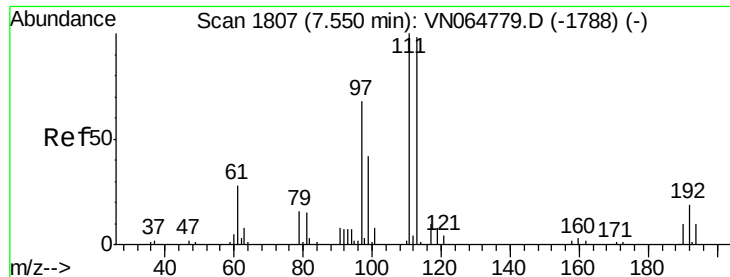
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 12/7/2020 10:46:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353657		
63	19.7	0.0	38.6	
88	15.6	0.0	32.6	





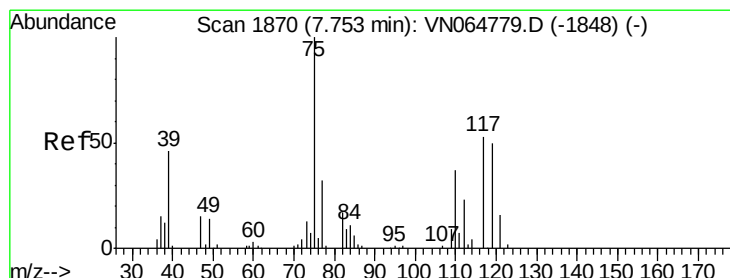
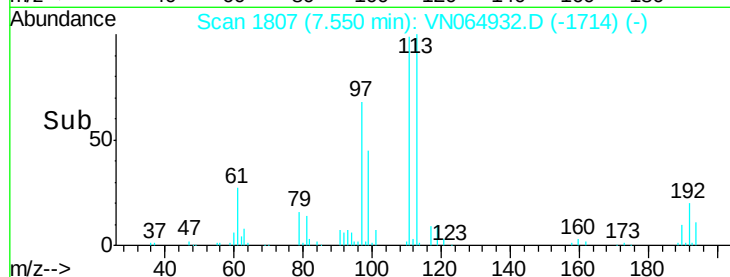
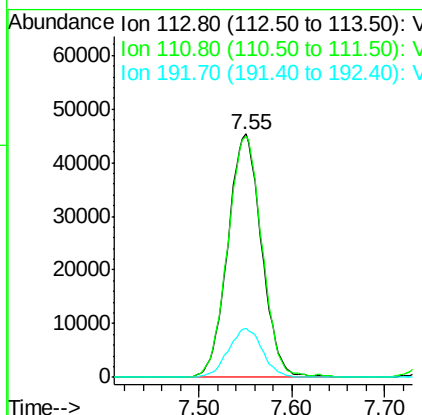
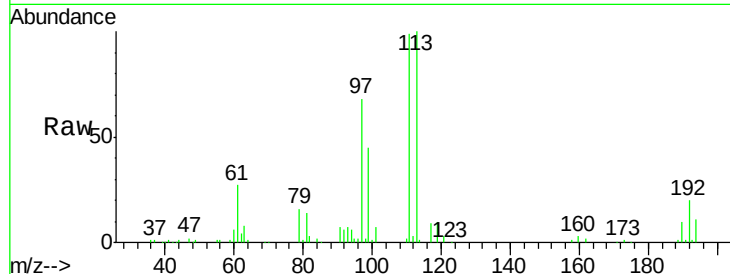
#35
 Dibromofluoromethane
 Concen: 54.054 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114387		
111	100.3	81.6	122.4	
192	20.2	16.2	24.2	

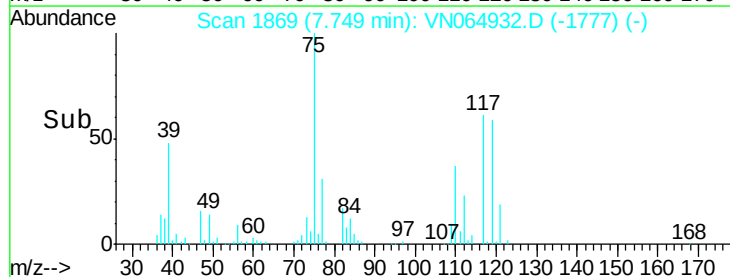
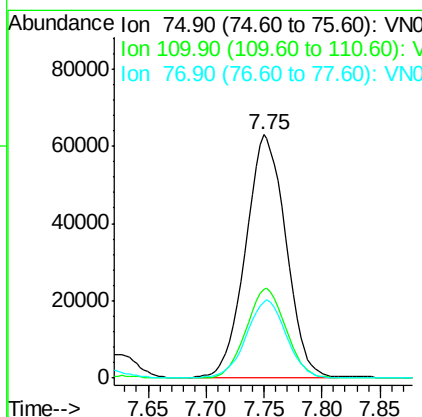
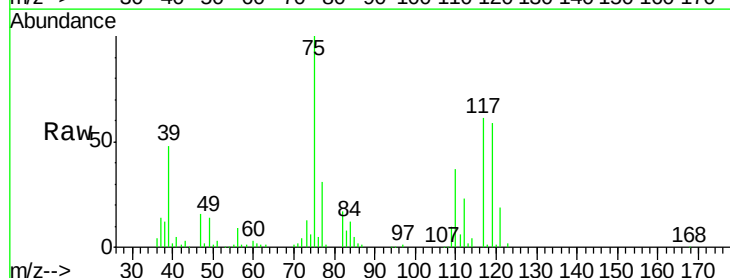
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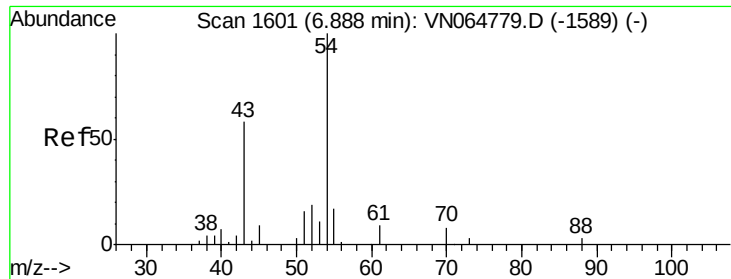
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 46.503 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152438		
110	36.1	17.8	53.3	
77	32.0	25.0	37.4	





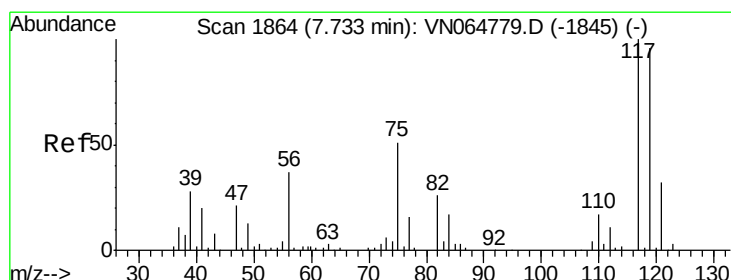
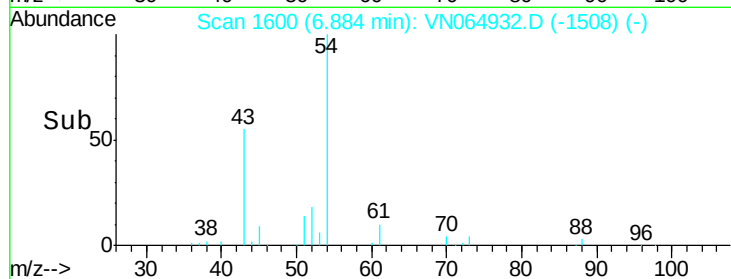
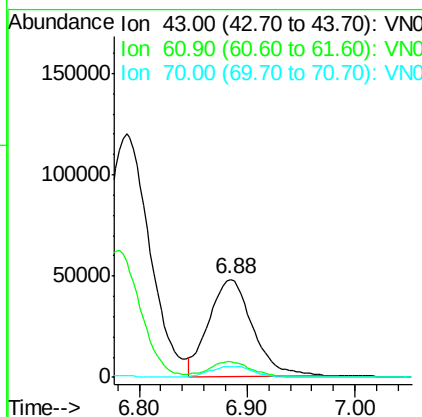
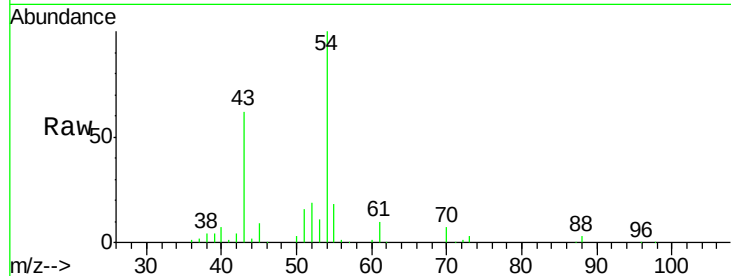
#37
Ethyl Acetate
Concen: 42.834 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	43	61	70
Ratio	100	16.0	11.1
Lower		12.8	8.8
Upper		19.2	13.2

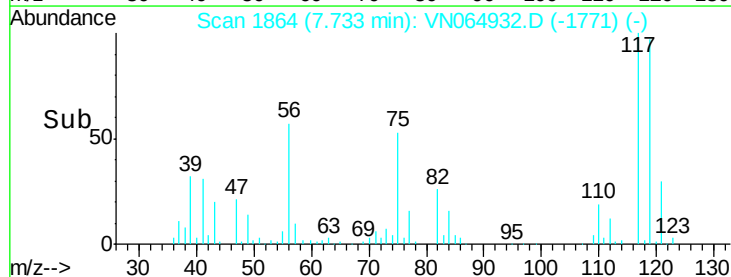
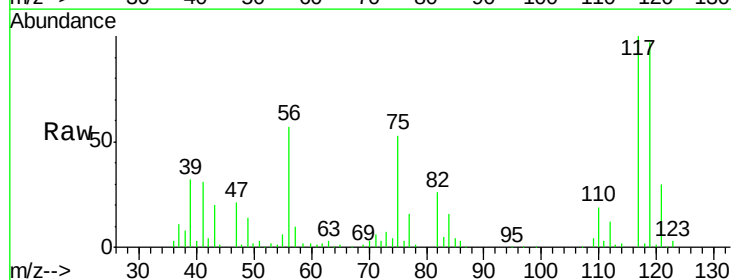
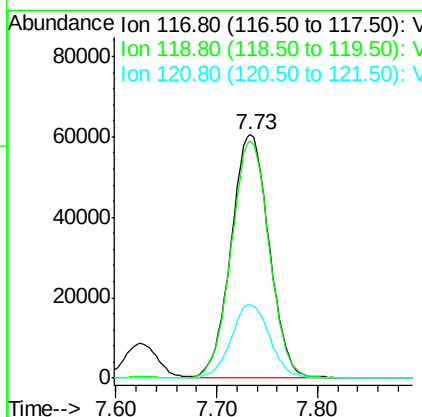
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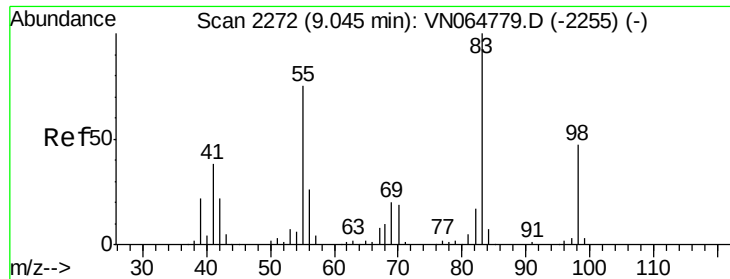
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#38
Carbon Tetrachloride
Concen: 46.490 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	117	119	121
Ratio	100	97.3	30.3
Lower		76.7	25.4
Upper		115.1	38.2





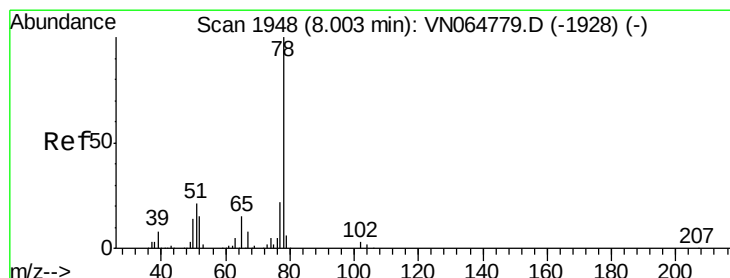
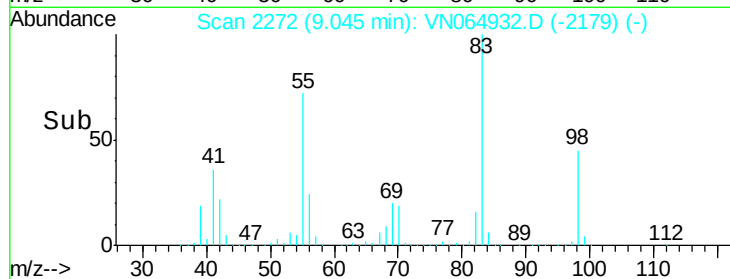
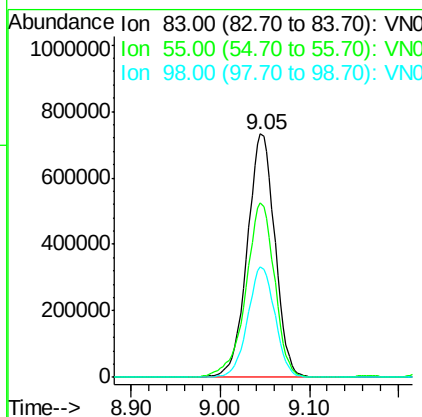
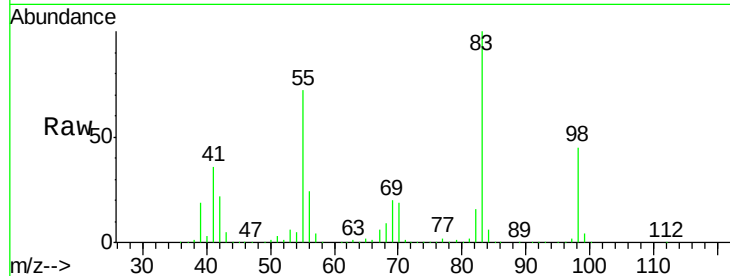
#39
Methylvlcyclohexane
Concen: 445.856 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	83	Resp	1573351
Ion Ratio	100	Lower	Upper
83	100		
55	71.8	60.2	90.2
98	45.2	37.4	56.2

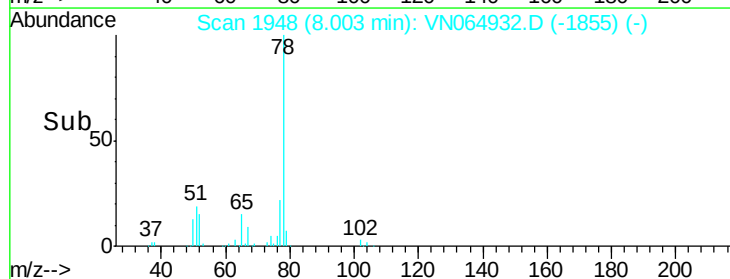
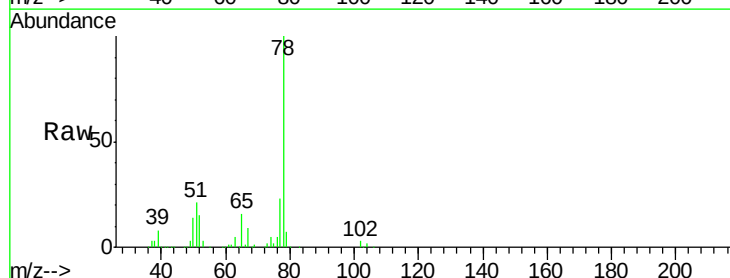
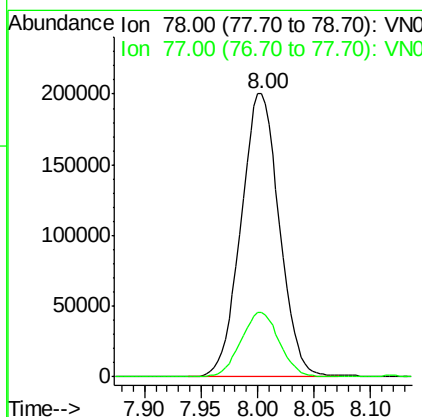
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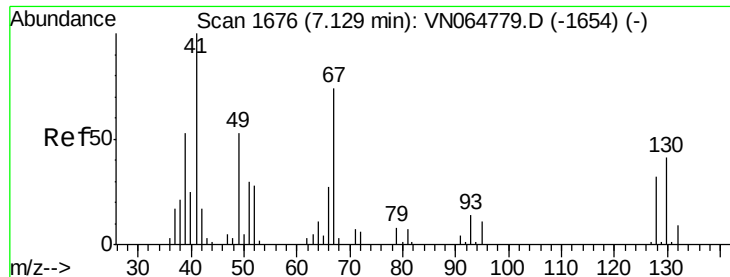
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12/7/2020 10:46:08 AM



#40
Benzene
Concen: 47.068 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	78	Resp	472801
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	17.9	26.9





#41

Methacrylonitrile

Concen: 54.116 ug/l

RT: 7.12 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 41 Resp: 78847

Ion Ratio Lower Upper

41 100

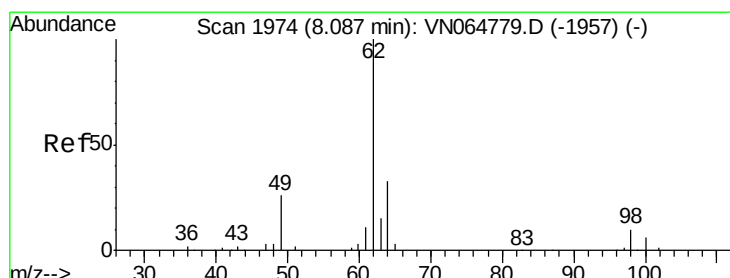
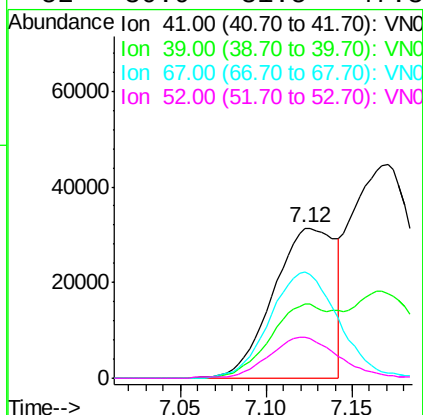
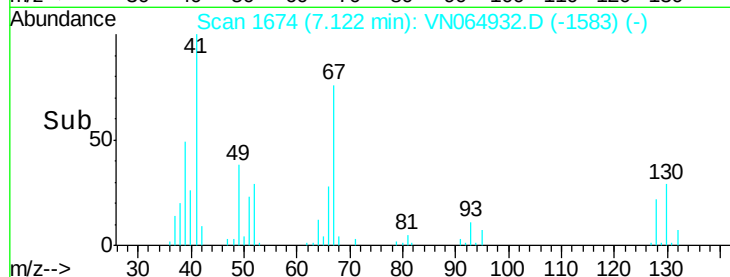
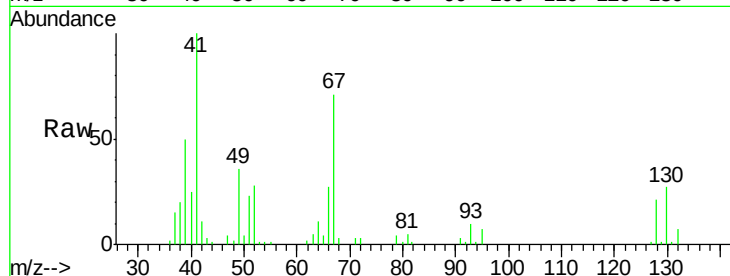
39 43.4 51.0 76.6#

67 78.2 79.8 119.8#

52 30.9 31.5 47.3#

Manual Integrations
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12/7/2020 10:46:08 AM



#42

1,2-Dichloroethane

Concen: 45.819 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN064932.D

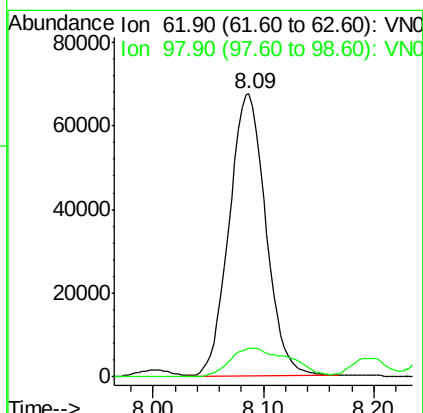
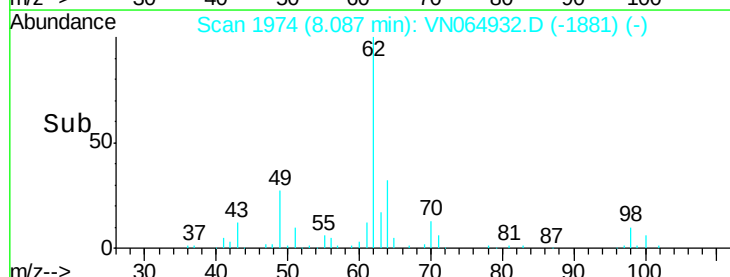
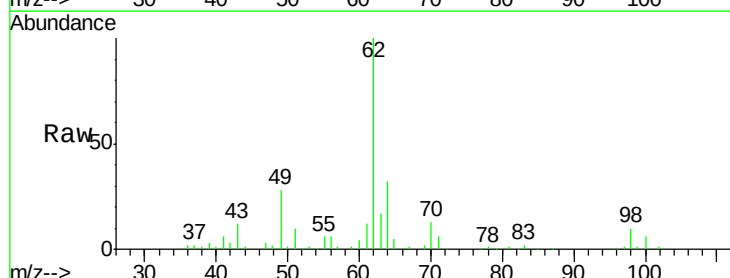
Acq: 4 Dec 2020 20:31

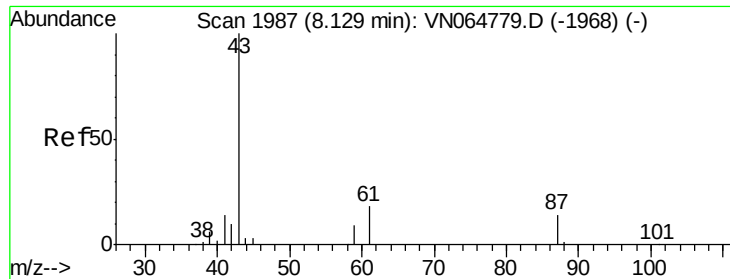
Tgt Ion: 62 Resp: 155265

Ion Ratio Lower Upper

62 100

98 16.7 0.0 19.6





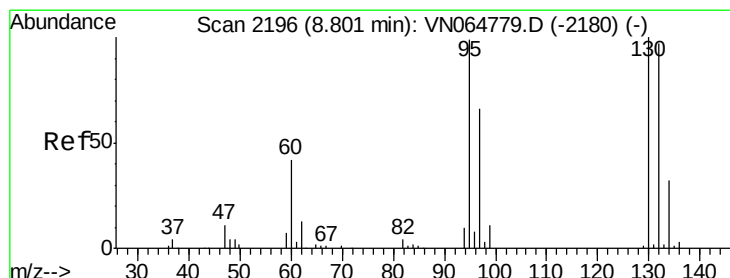
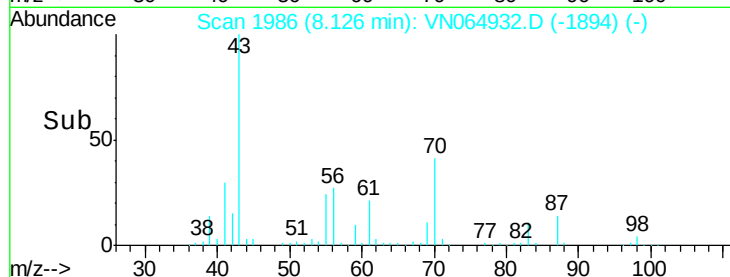
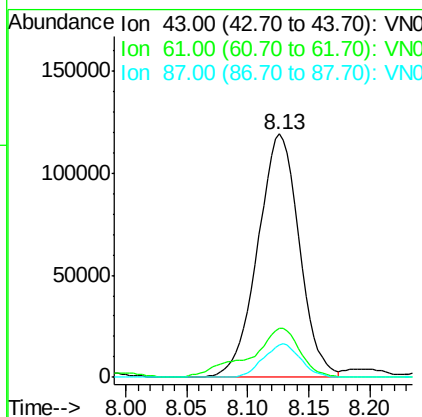
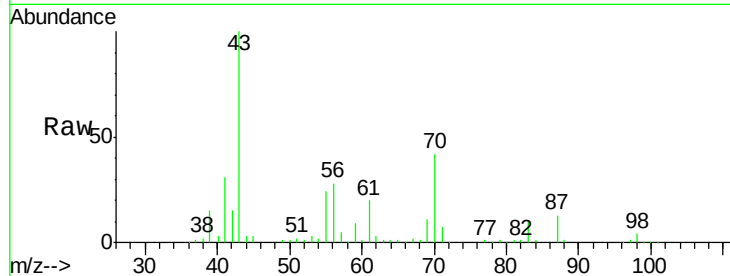
#43
Isopropyl Acetate
Concen: 55.678 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	17.2	25.8
87	12.3	11.4	17.0

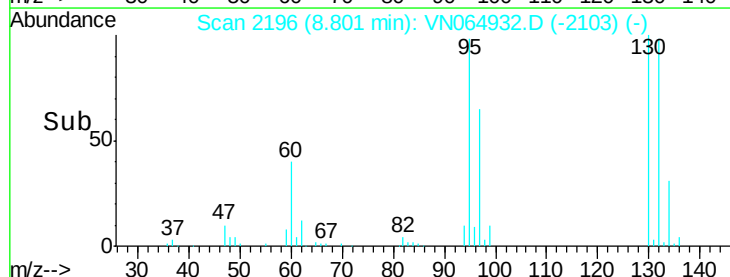
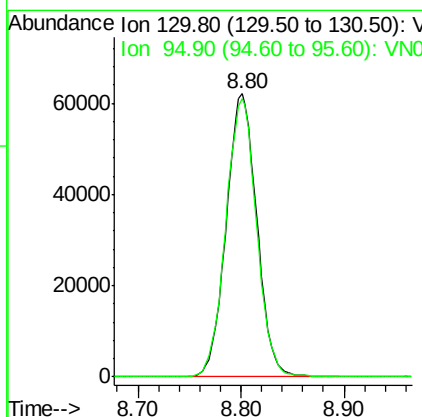
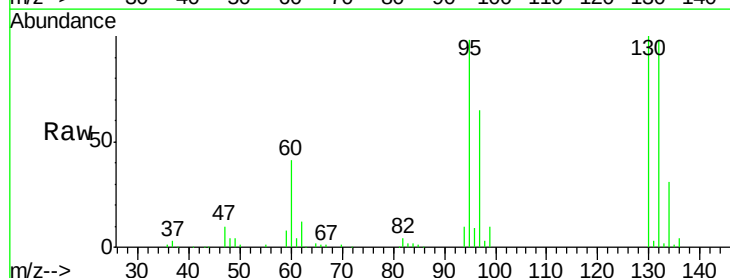
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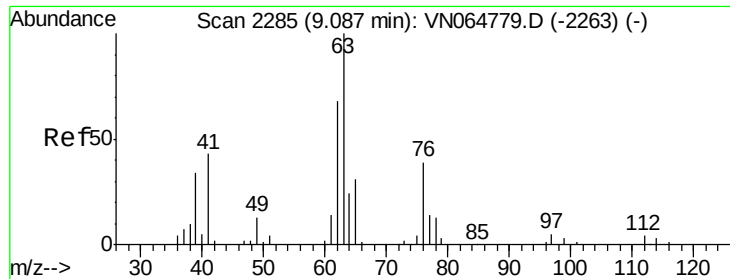
MMDadoda
12/7/2020 10:46:08 AM



#44
Trichloroethene
Concen: 43.276 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	197.8





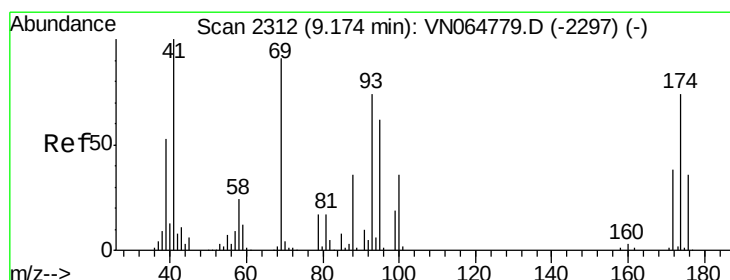
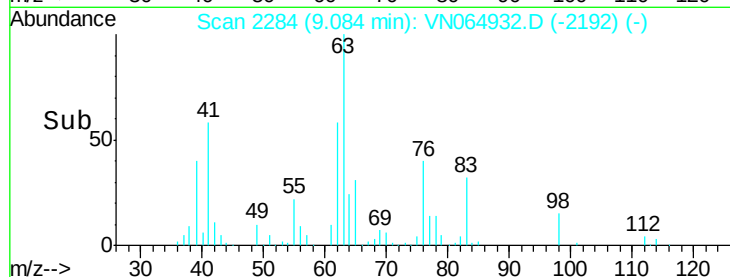
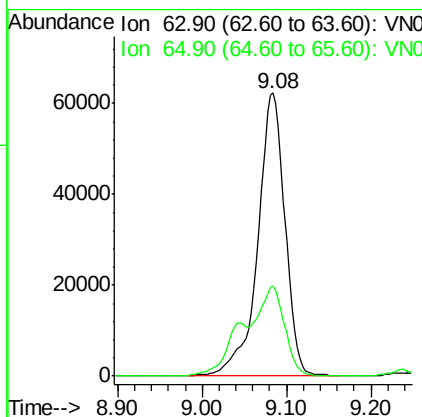
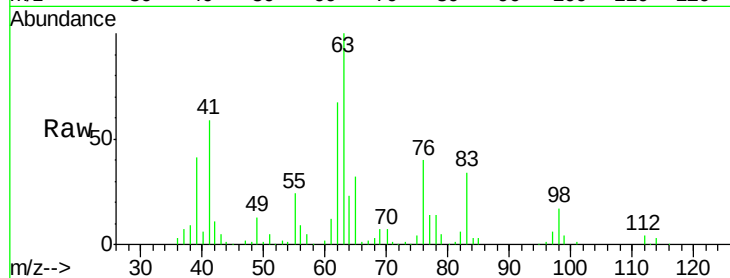
#45
 1,2-Dichloropropane
 Concen: 53.658 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion: 63 Resp: 139582
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.4

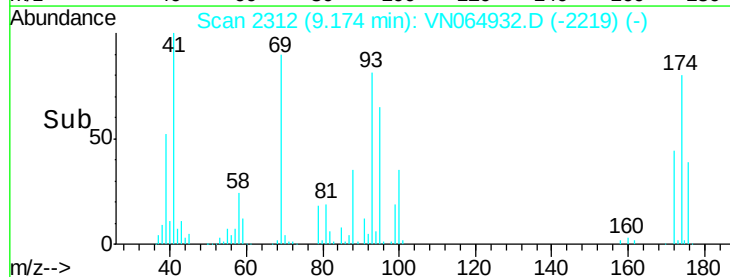
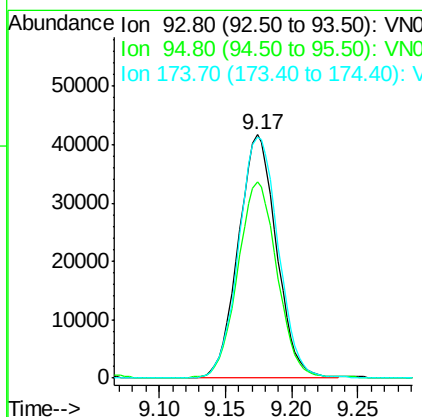
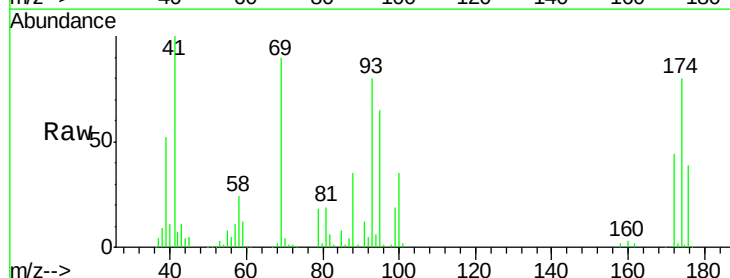
Manual Integrations
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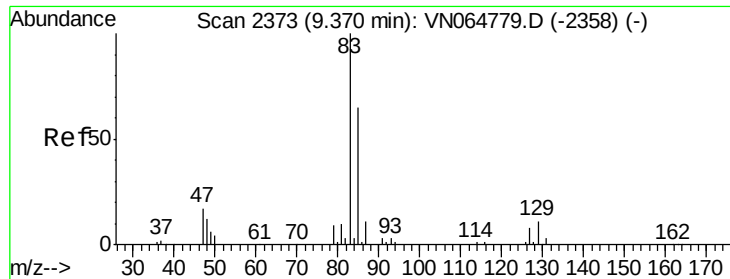
MMDadoda
 12/7/2020 10:46:08 AM



#46
 Dibromomethane
 Concen: 48.120 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion: 93 Resp: 83627
 Ion Ratio Lower Upper
 93 100
 95 83.2 68.8 103.2
 174 102.6 83.1 124.7





#47

Bromodichloromethane

Concen: 48.842 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

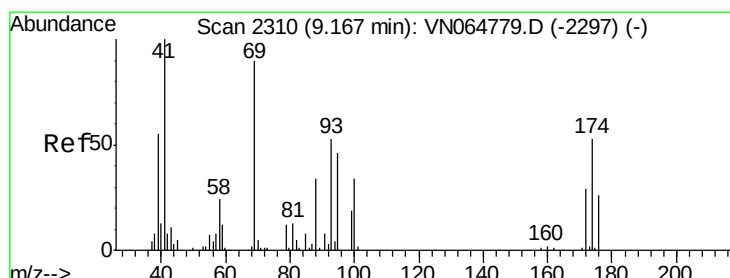
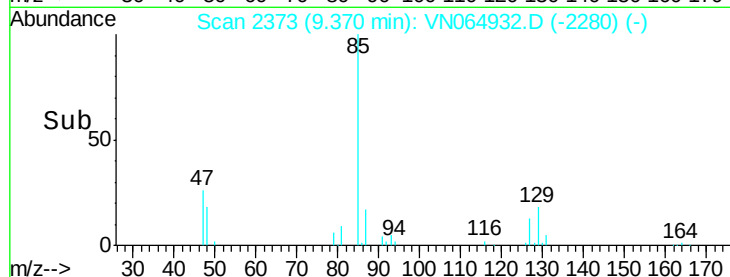
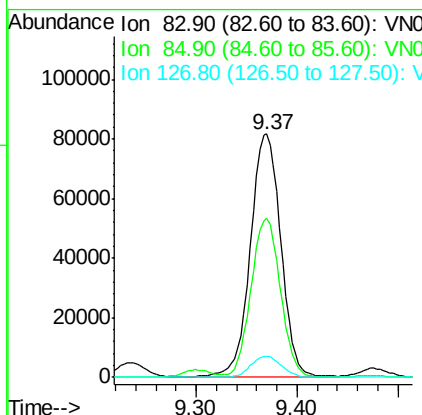
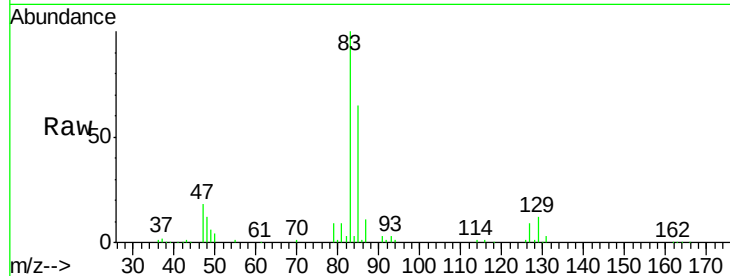
ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:	83	Resp:	170791
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8
127	8.7	6.8	10.2

Manual Integrations
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MMDadoda
12/7/2020 10:46:08 AM



#48

Methyl methacrylate

Concen: 50.383 ug/l

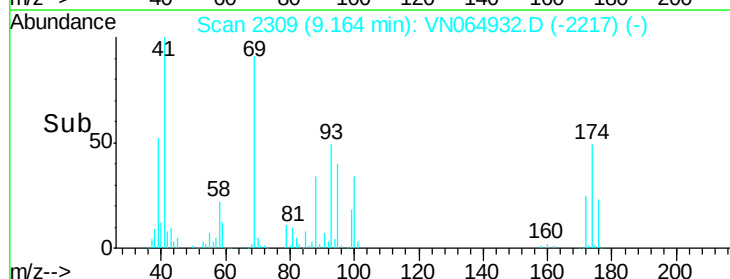
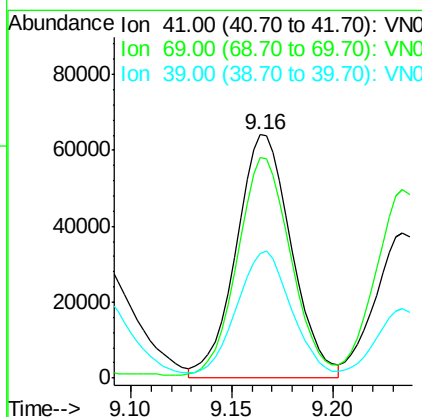
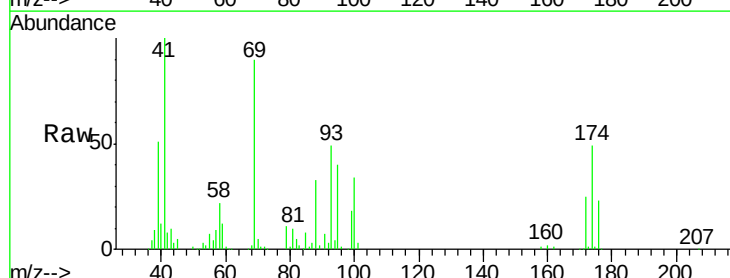
RT: 9.16 min Scan# 2309

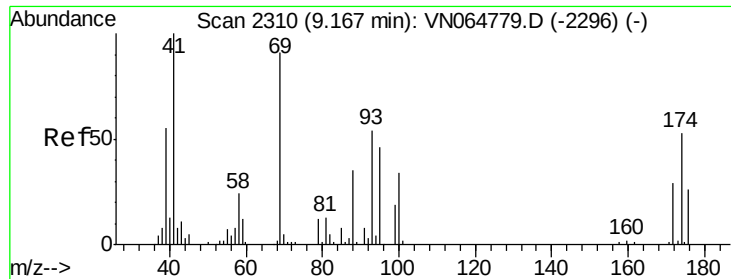
Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Tgt Ion:	41	Resp:	122325
Ion	Ratio	Lower	Upper
41	100		
69	86.7	71.8	107.8
39	52.6	44.1	66.1





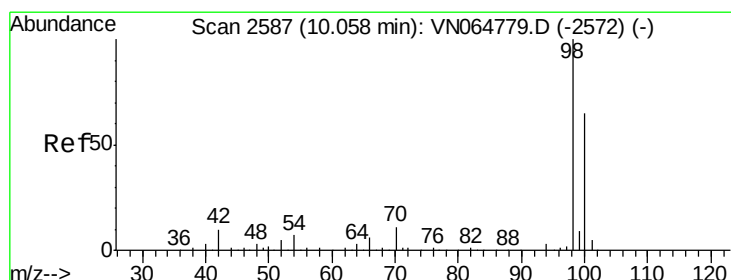
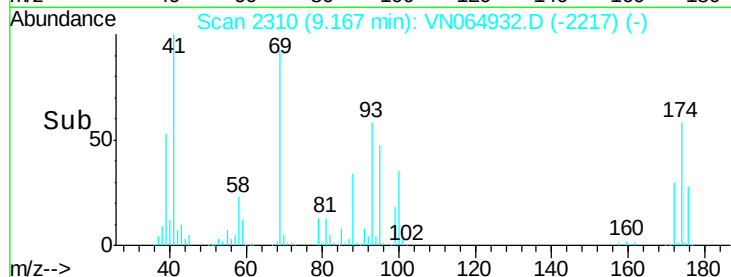
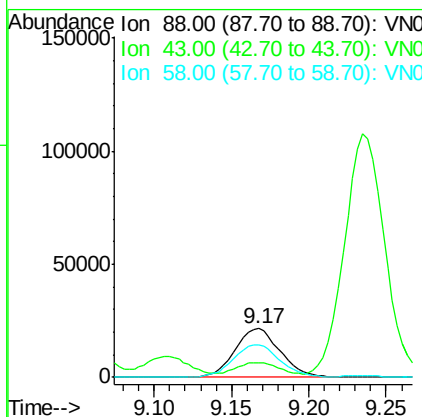
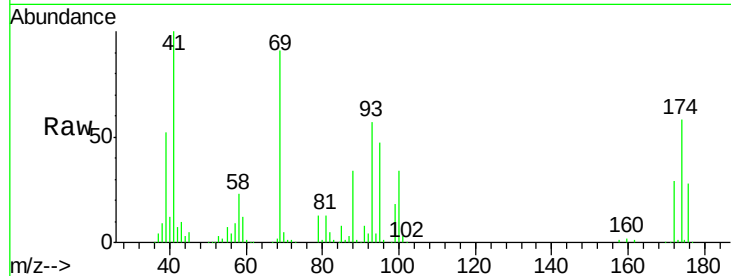
#49
1,4-Dioxane
Concen: 947.507 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.2	36.4
58	68.5	52.5	78.7

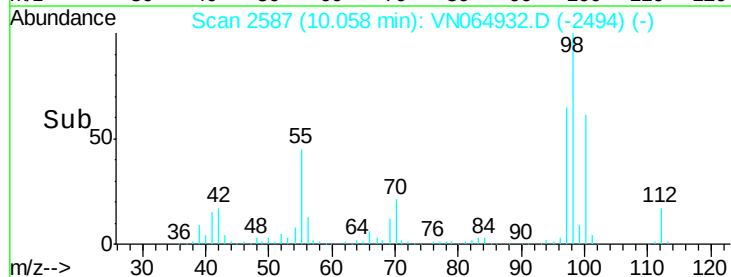
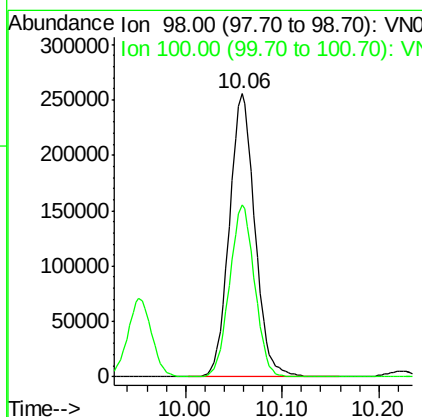
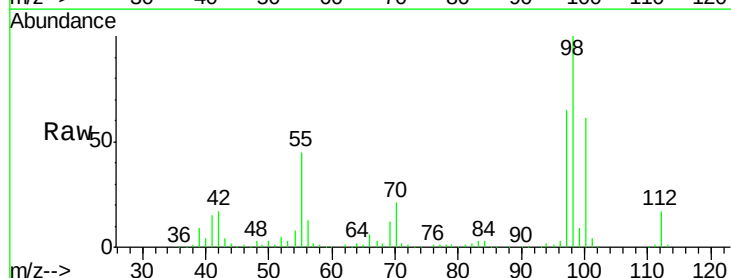
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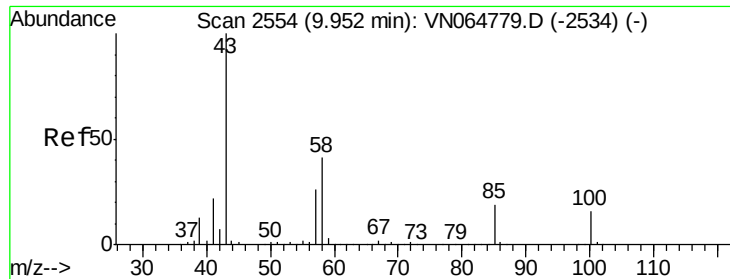
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#50
Toluene-d8
Concen: 54.218 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	59.8	51.7	77.5





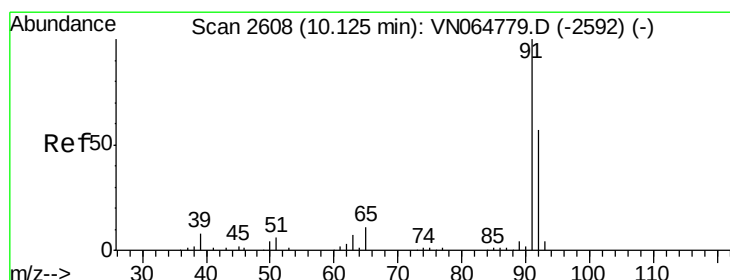
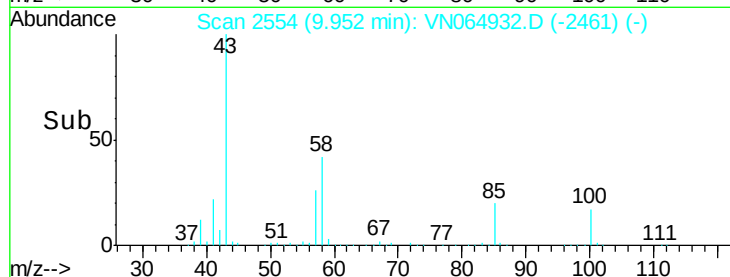
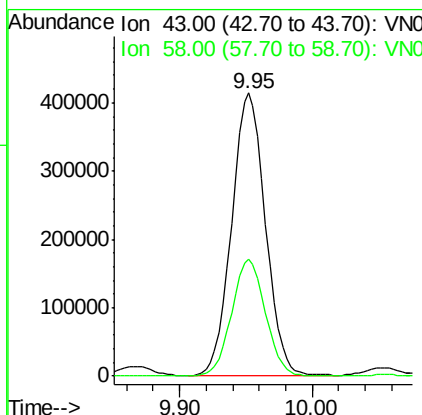
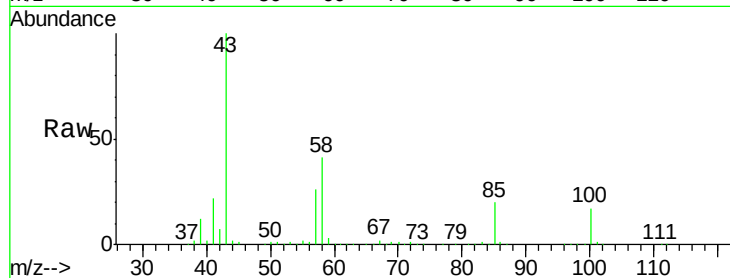
#51
4-Methyl-2-Pentanone
Concen: 238.921 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion: 43 Resp: 728801
Ion Ratio Lower Upper
43 100
58 41.5 32.4 48.6

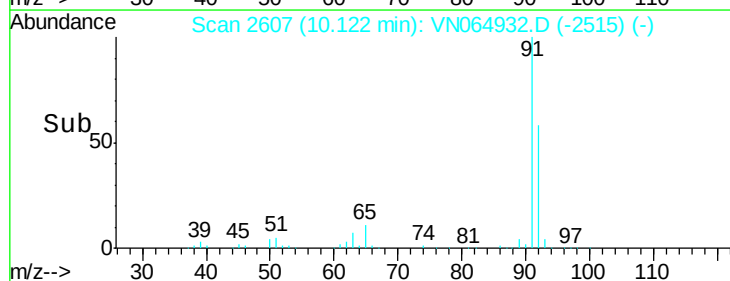
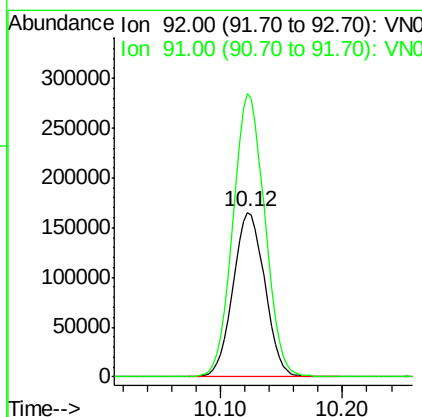
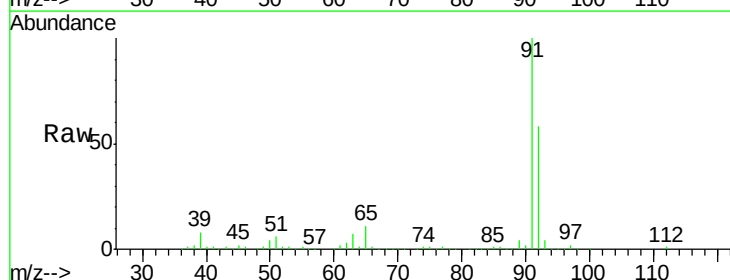
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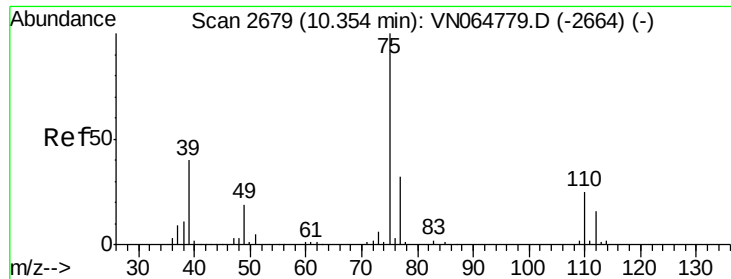
MMDadoda
12/7/2020 10:46:08 AM



#52
Toluene
Concen: 48.243 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion: 92 Resp: 298438
Ion Ratio Lower Upper
92 100
91 171.6 139.1 208.7





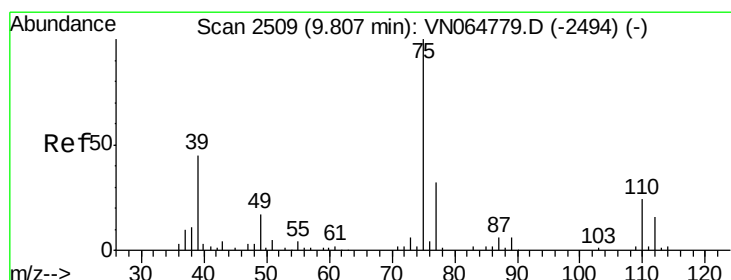
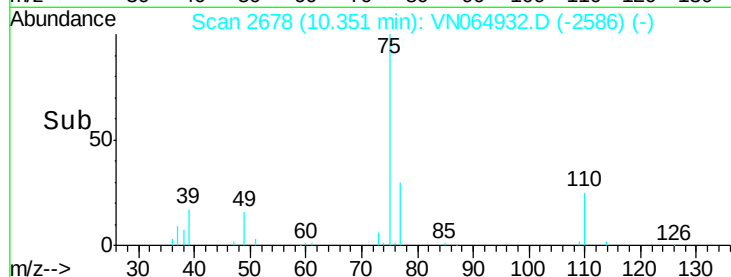
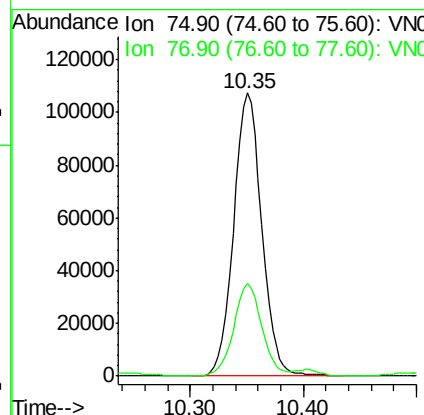
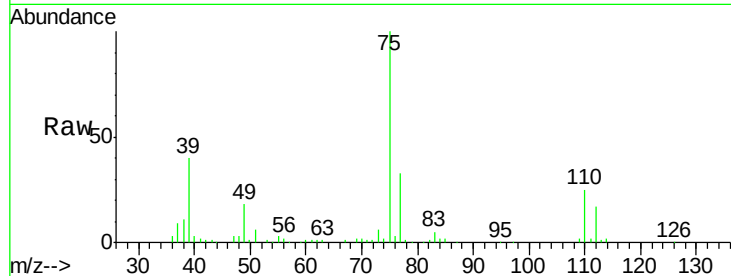
#53
t-1,3-Dichloropropene
Concen: 47.541 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6

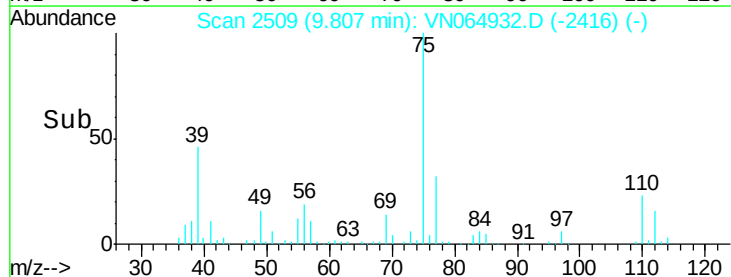
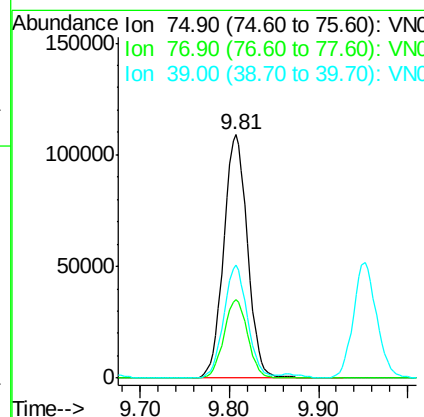
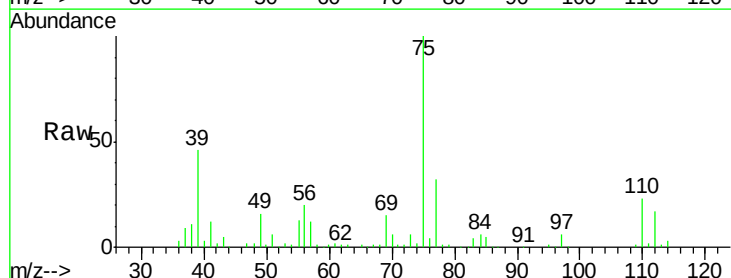
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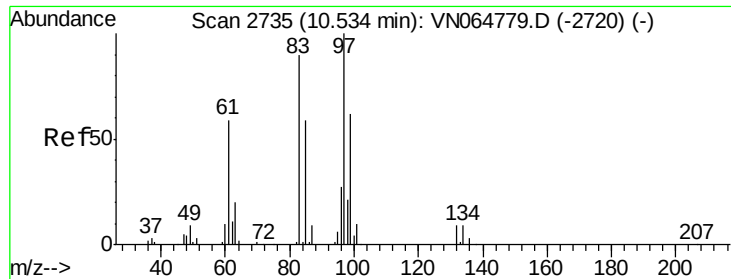
MMDadoda
12/7/2020 10:46:08 AM



#54
cis-1,3-Dichloropropene
Concen: 48.155 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3
39	46.4	35.6	53.4





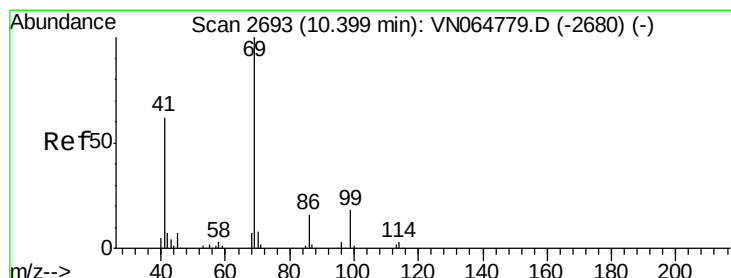
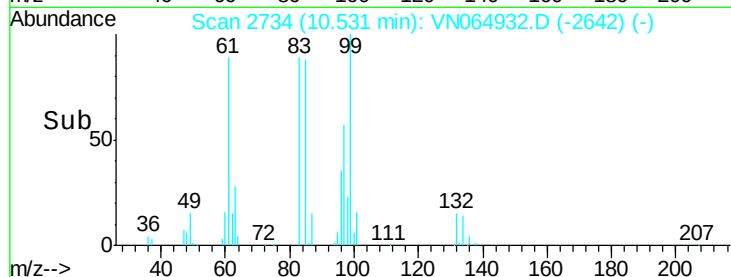
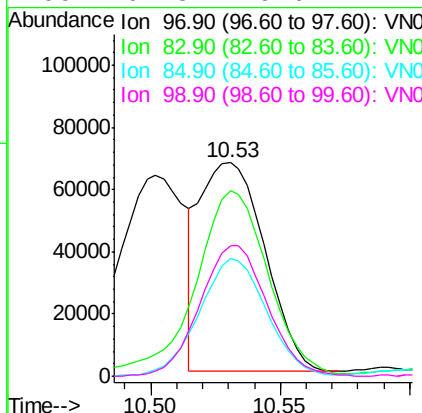
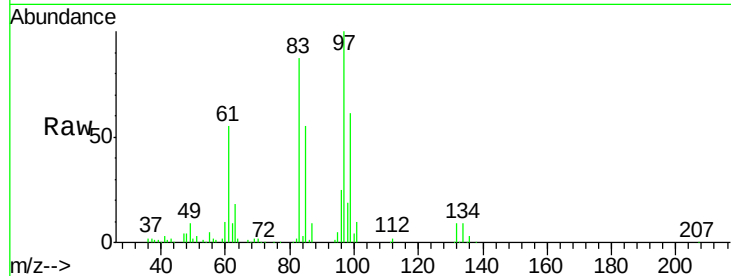
#55
 1,1,2-Trichloroethane
 Concen: 45.895 ug/l m
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion:	97	Resp:	116749
Ion	Ratio	Lower	Upper
97	100		
83	86.8	72.1	108.1
85	55.1	46.8	70.2
99	61.3	49.6	74.4

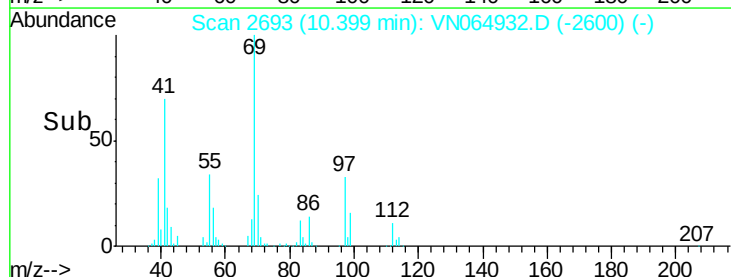
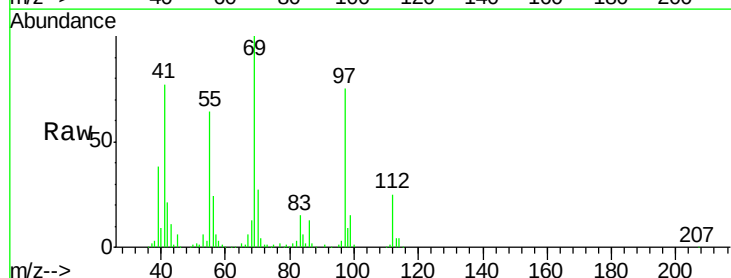
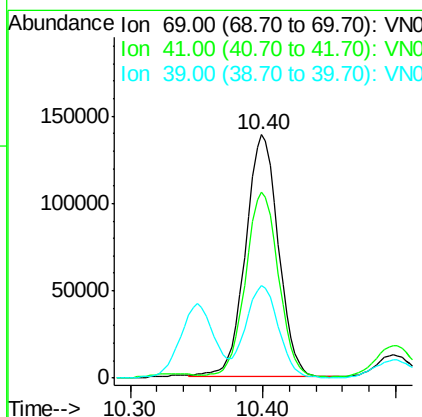
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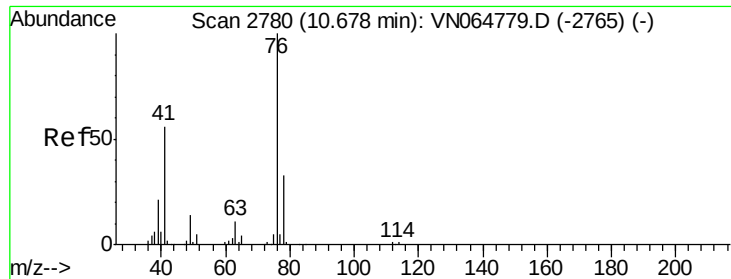
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 12/7/2020 10:46:08 AM



#56
 Ethyl methacrylate
 Concen: 68.252 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion:	69	Resp:	239588
Ion	Ratio	Lower	Upper
69	100		
41	76.9	49.4	74.0#
39	38.4	25.9	38.9





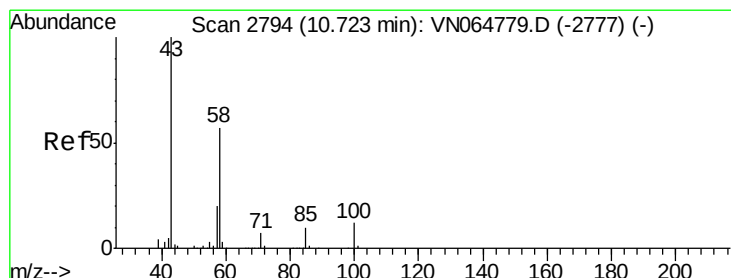
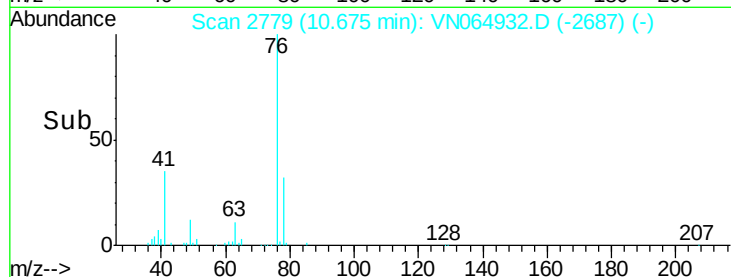
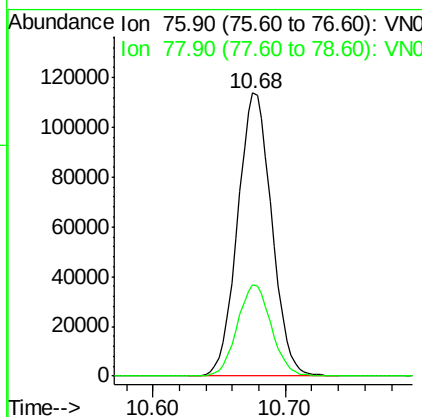
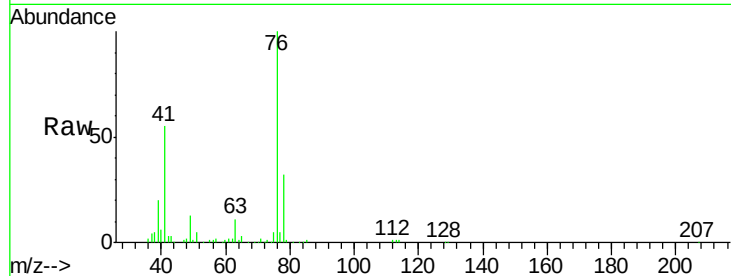
#57
 1,3-Dichloropropane
 Concen: 48.362 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion: 76 Resp: 202937
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

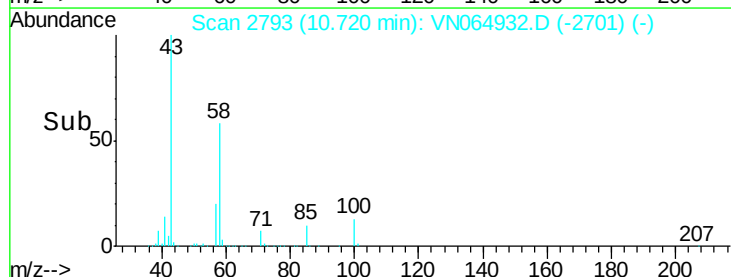
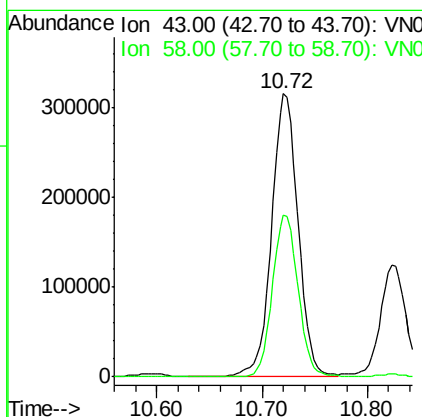
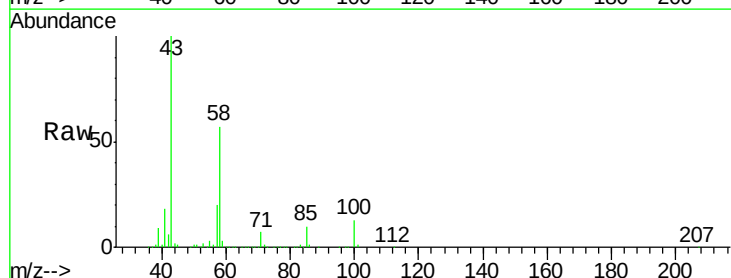
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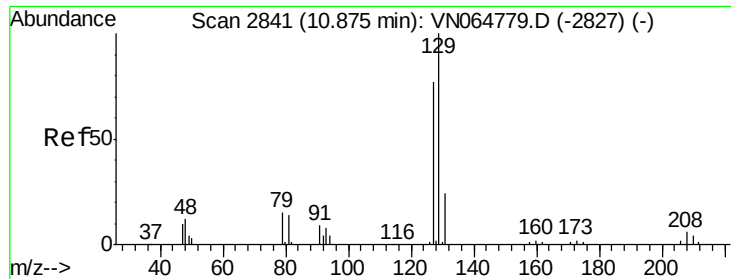
MMDadoda
 12/7/2020 10:46:08 AM



#59
 2-Hexanone
 Concen: 249.782 ug/l
 RT: 10.72 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion: 43 Resp: 548350
 Ion Ratio Lower Upper
 43 100
 58 55.8 28.3 84.9





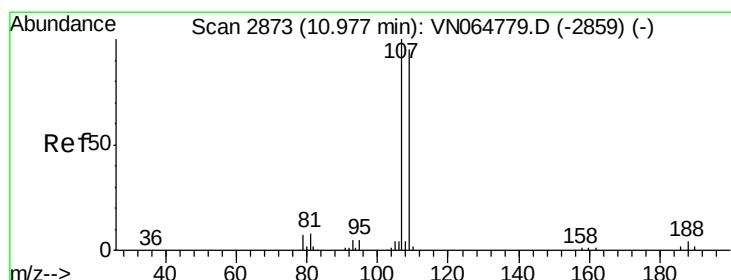
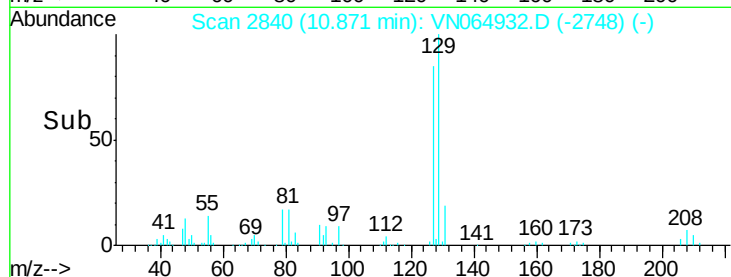
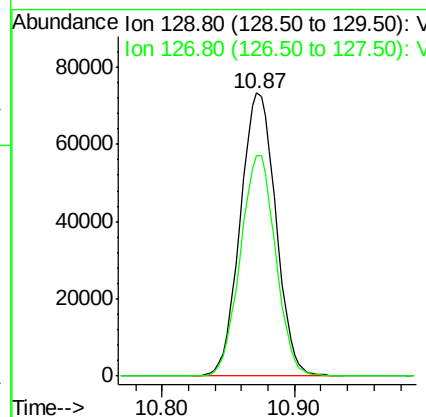
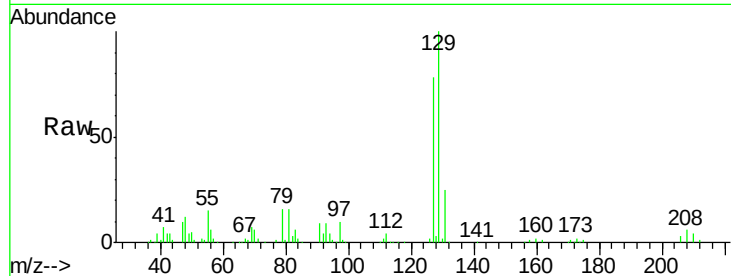
#60
Dibromochloromethane
Concen: 48.321 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion:129 Resp: 136636
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2

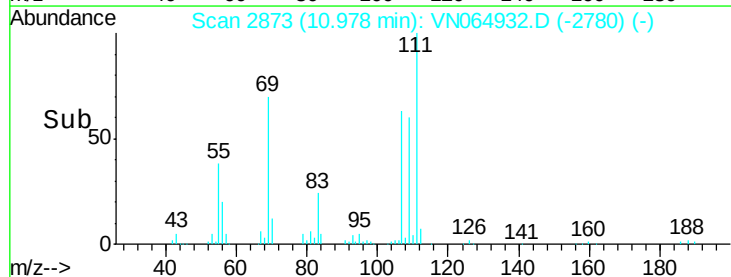
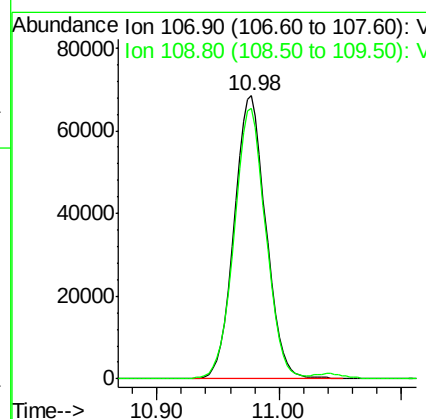
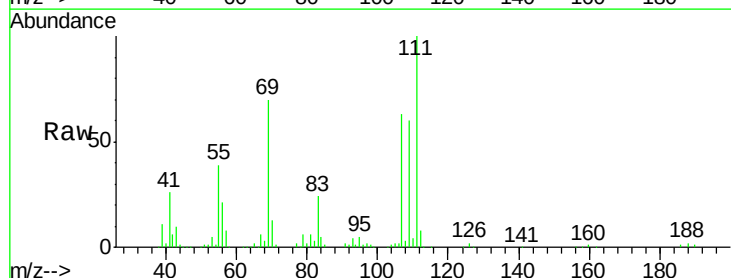
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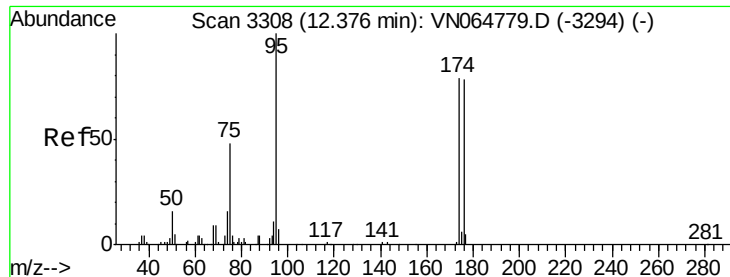
MMDadoda
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#61
1,2-Dibromoethane
Concen: 47.832 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion:107 Resp: 123619
Ion Ratio Lower Upper
107 100
109 95.5 76.0 114.0





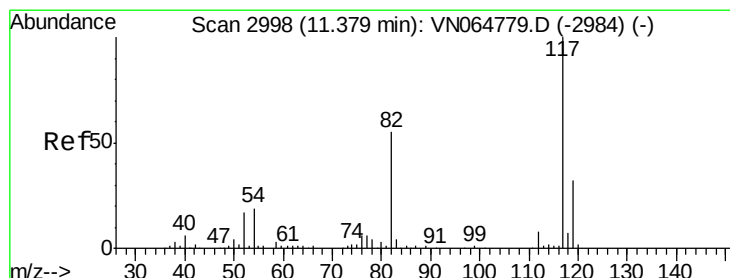
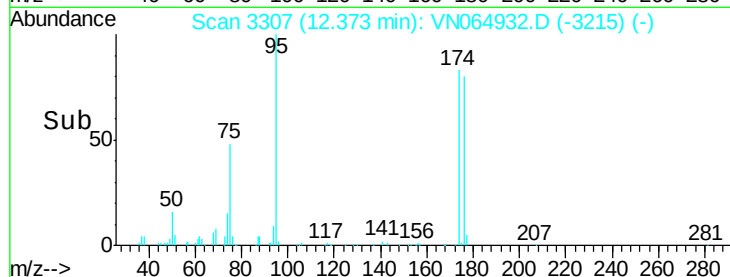
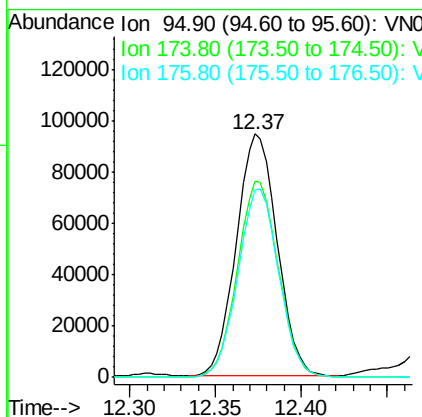
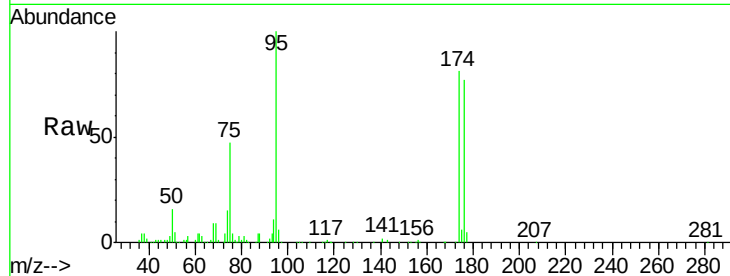
#62
4-Bromofluorobenzene
Concen: 50.020 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	160.4
176	78.5	0.0	158.4

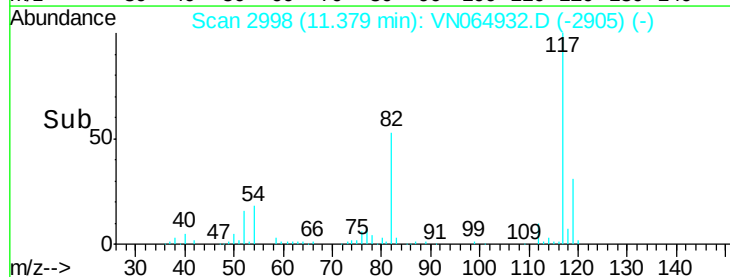
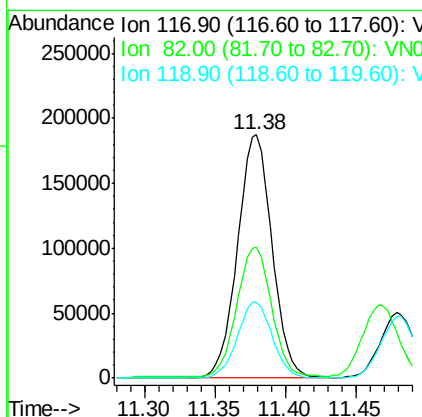
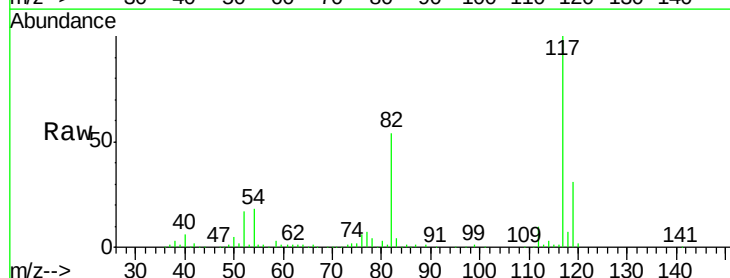
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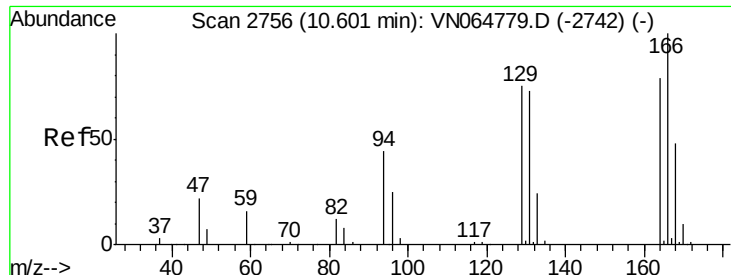
MMDadoda
12/7/2020 10:46:08 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.2	66.2
119	31.1	25.8	38.6





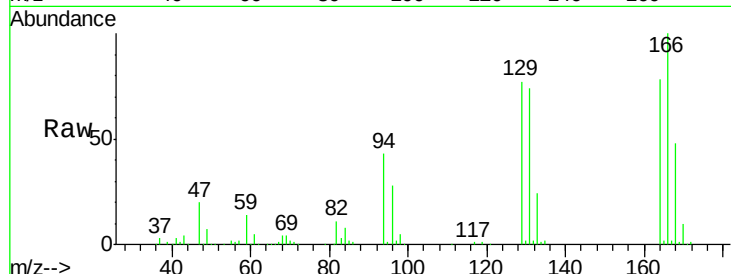
#64
Tetrachloroethene
Concen: 40.542 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

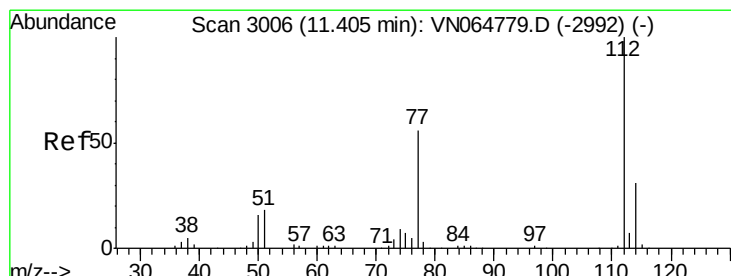
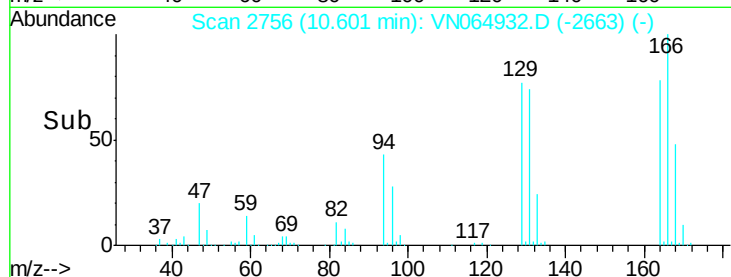
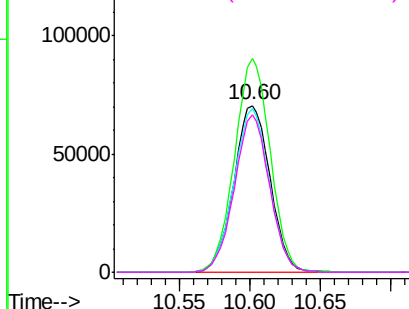
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.4	152.0
129	98.2	76.1	114.1
131	94.9	74.2	111.2

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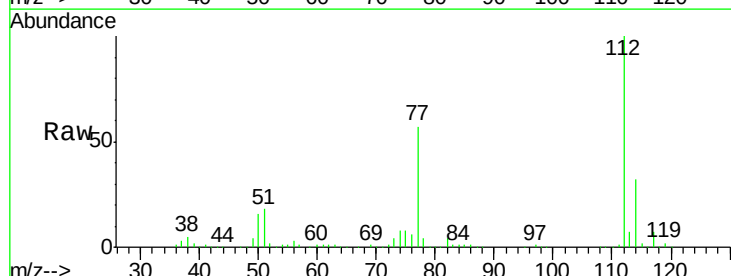


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

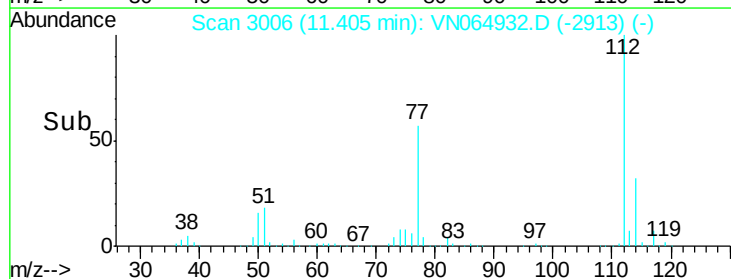
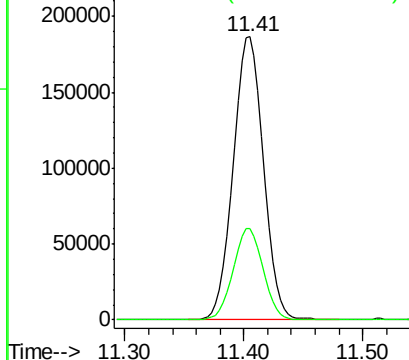


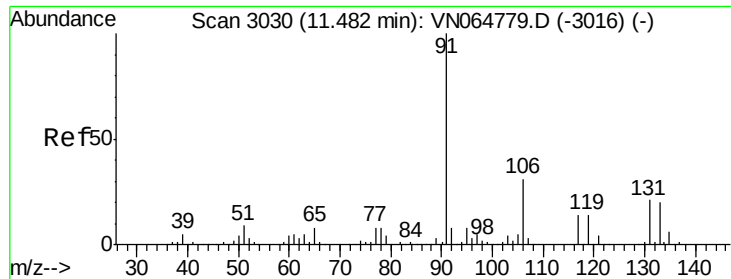
#65
Chlorobenzene
Concen: 47.427 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





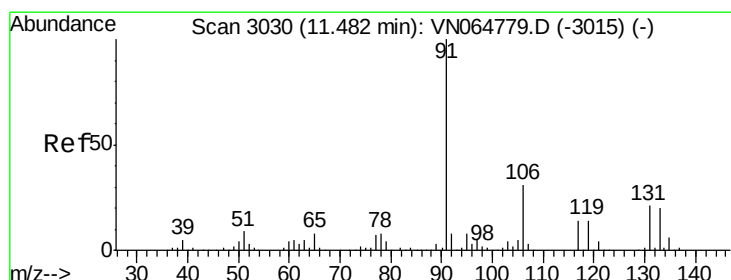
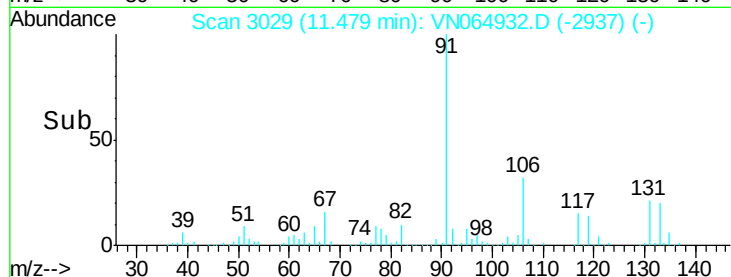
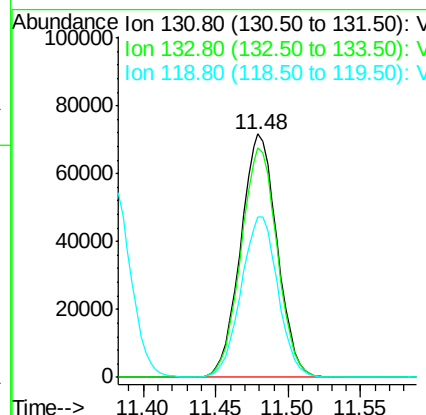
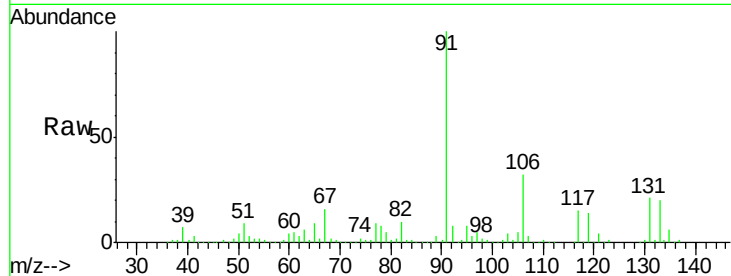
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.215 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	125203		
133	94.2	47.5	142.5	
119	66.7	33.3	99.8	

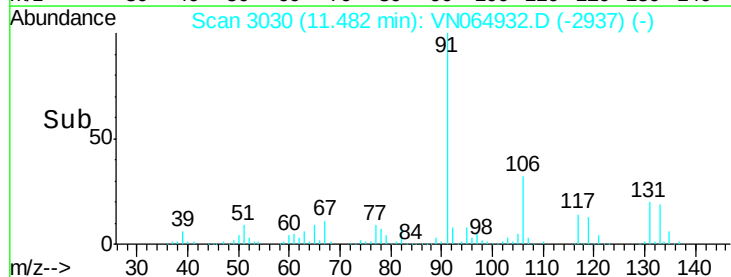
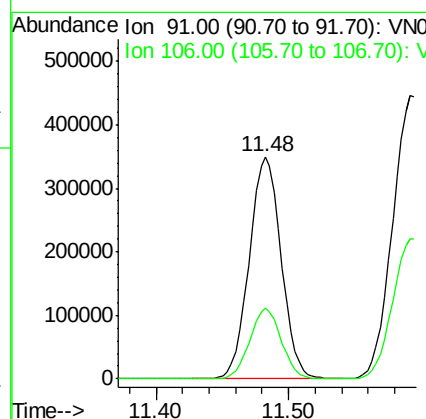
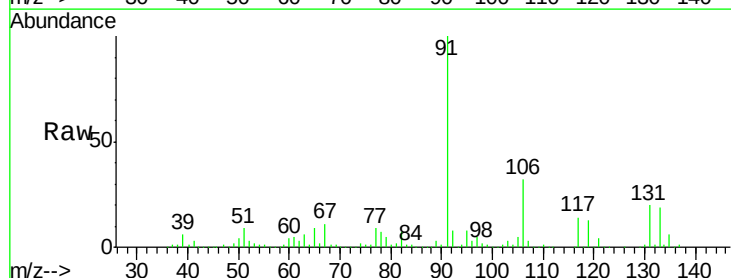
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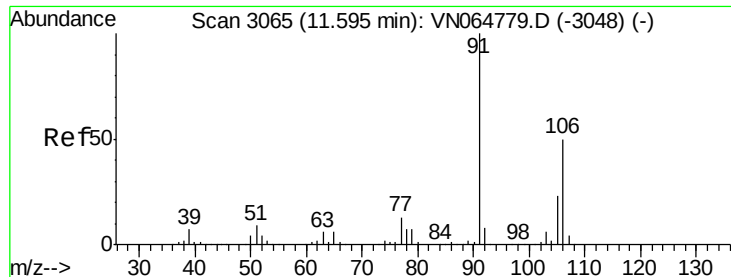
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#67
 Ethyl Benzene
 Concen: 50.335 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	582089		
106	31.8	25.2	37.8	





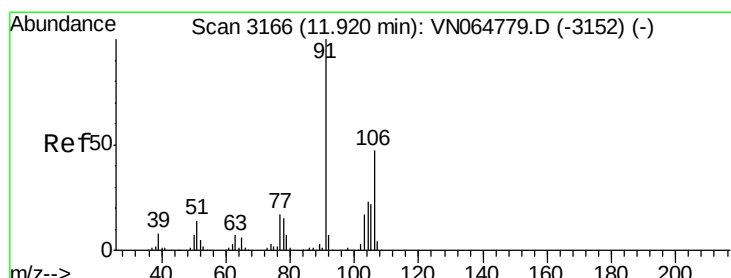
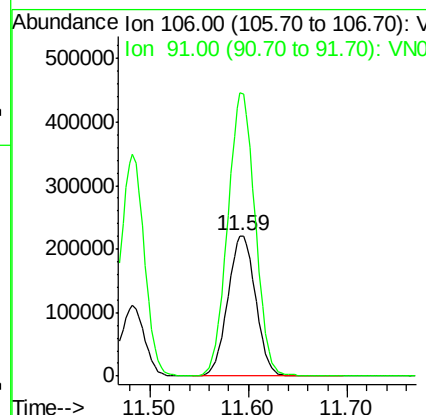
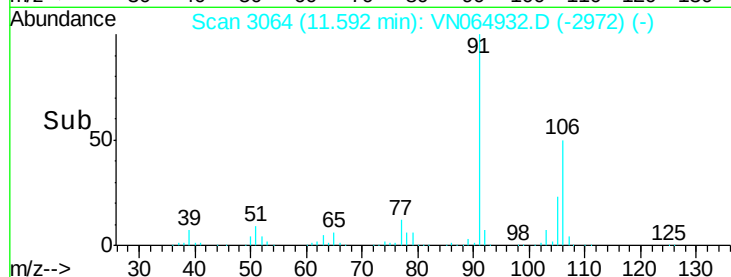
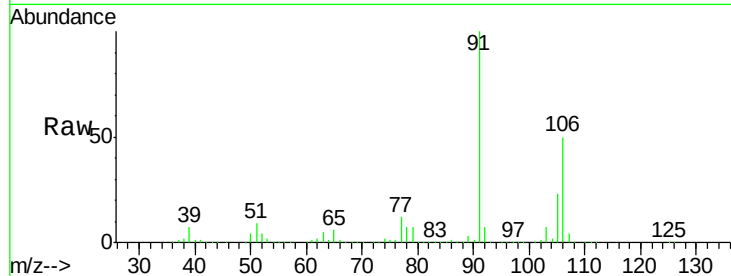
#68
m/p-Xylenes
Concen: 99.556 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion:106 Resp: 435888
Ion Ratio Lower Upper
106 100
91 198.8 161.0 241.4

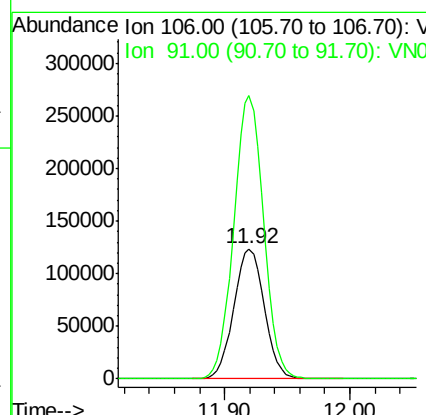
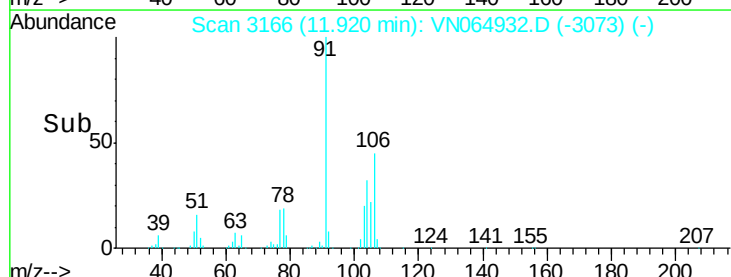
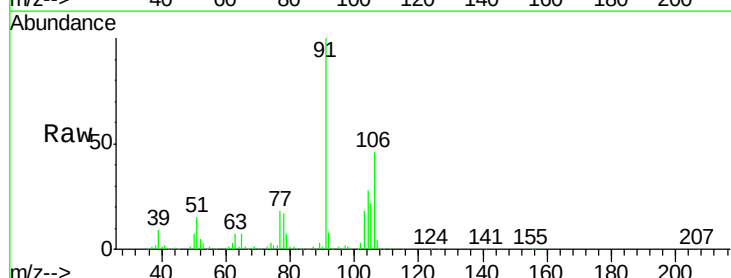
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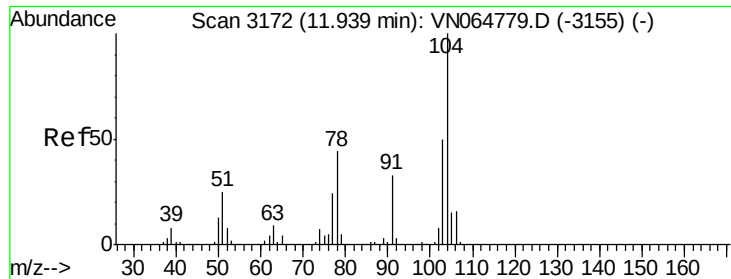
MMDadoda
12/7/2020 10:46:08 AM



#69
o-Xylene
Concen: 50.124 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion:106 Resp: 208254
Ion Ratio Lower Upper
106 100
91 213.7 105.5 316.5





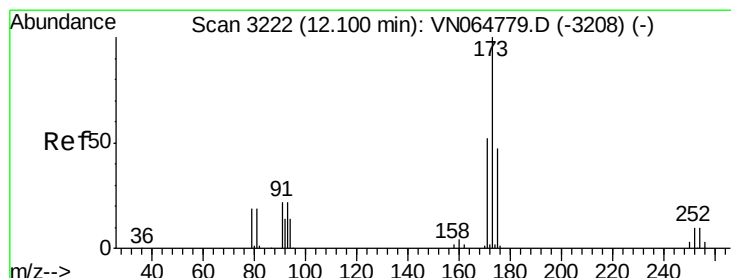
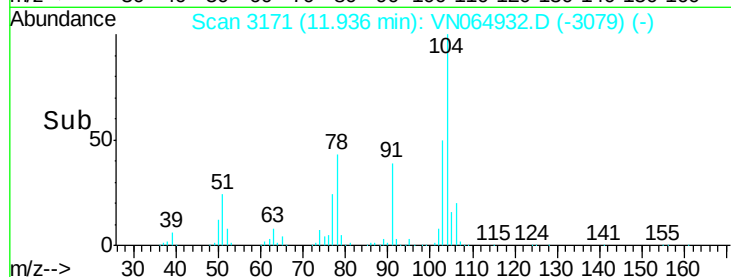
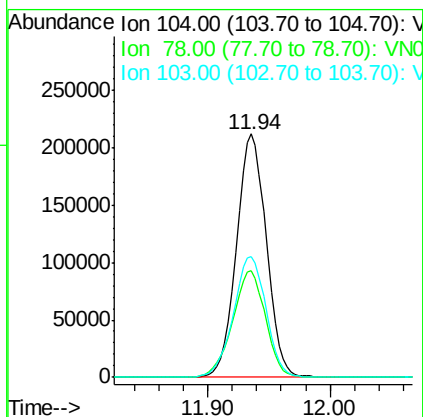
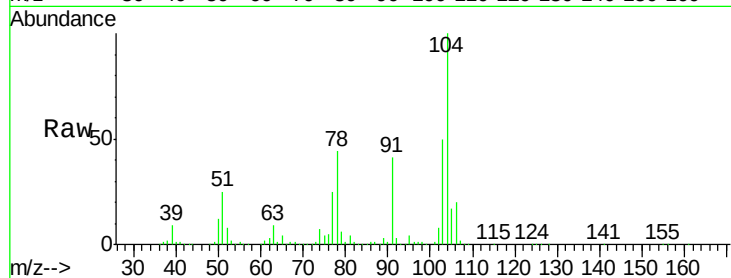
#70
Stvrene
Concen: 51.212 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.0	58.6
103	54.4	44.3	66.5

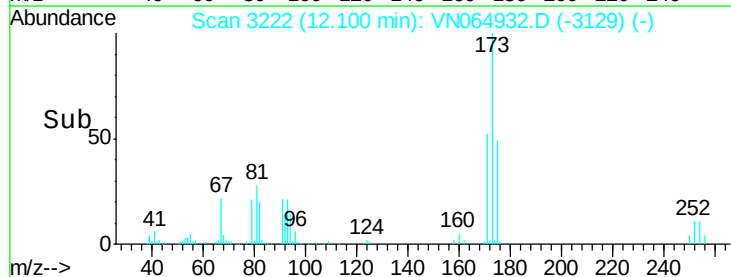
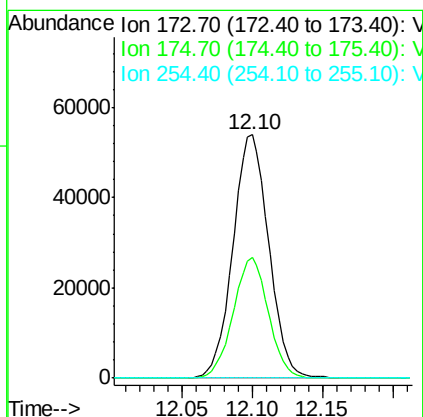
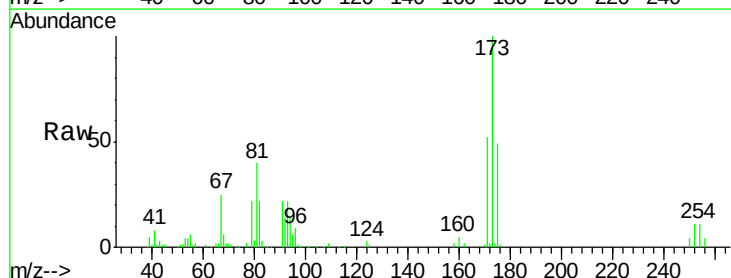
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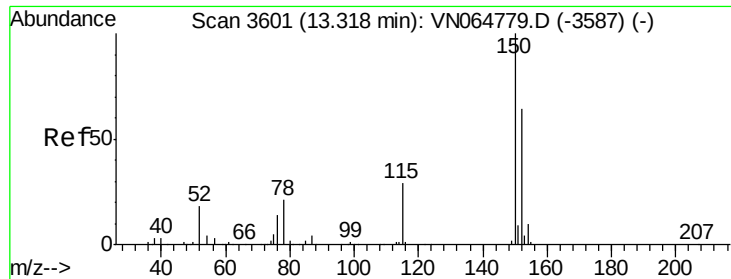
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#71
Bromoform
Concen: 47.141 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

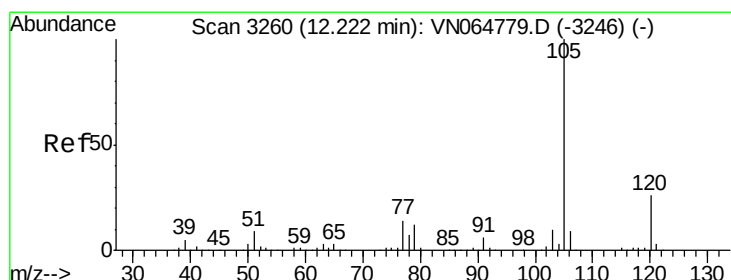
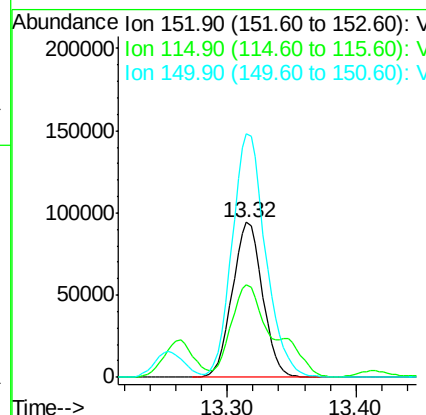
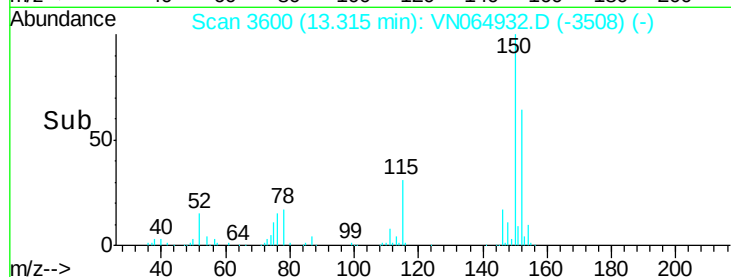
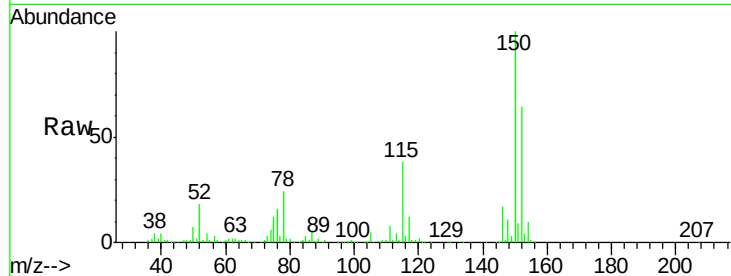
ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:	152	Resp:	153426
Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.7	89.1
150	173.7	0.0	350.6

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#73

Isopropylbenzene

Concen: 87.524 ug/l

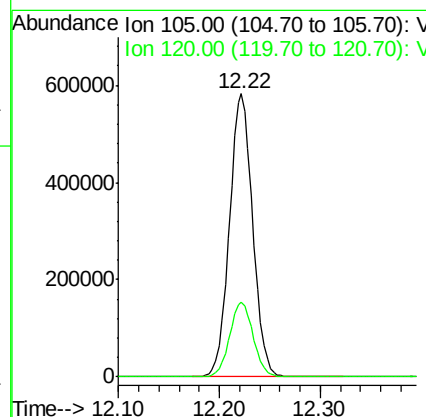
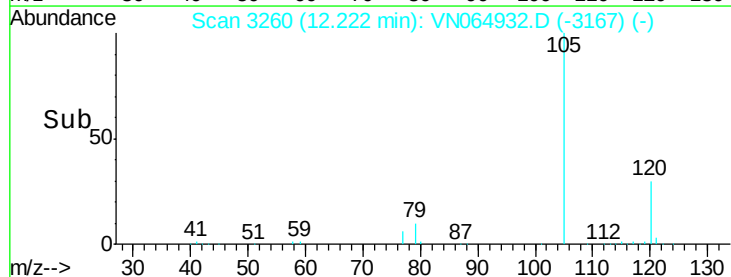
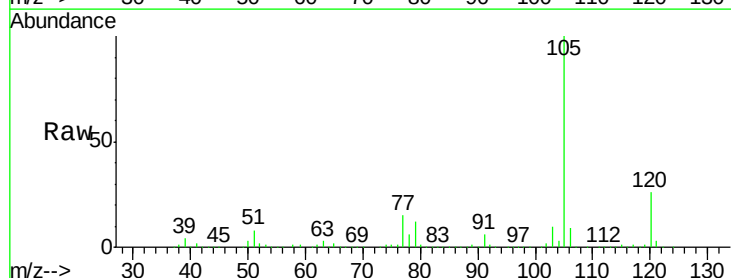
RT: 12.22 min Scan# 3260

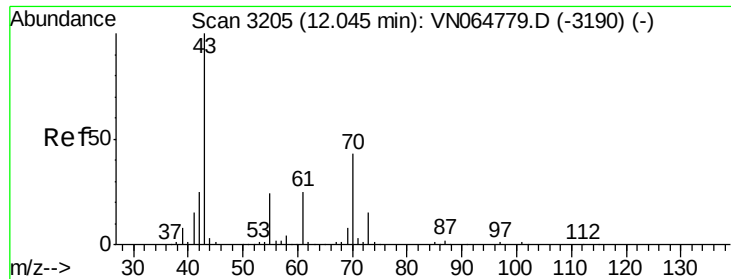
Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Tgt Ion:	105	Resp:	934046
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9





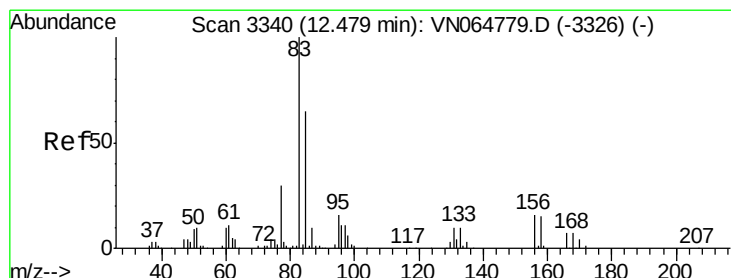
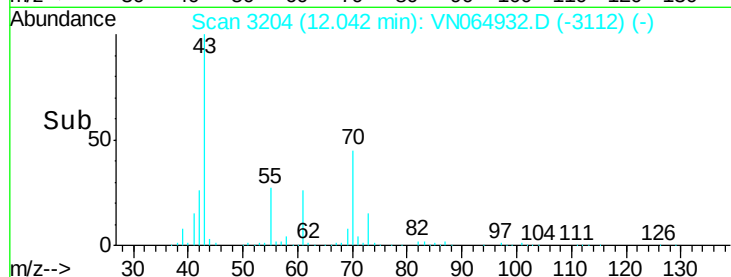
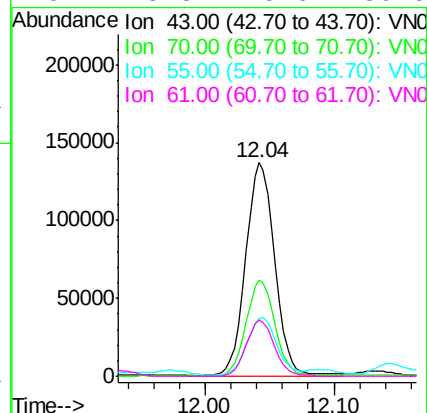
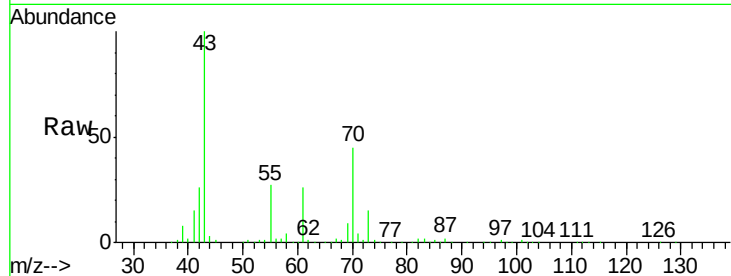
#74
N-amyl acetate
Concen: 50.990 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	43	Resp	214148
Ion Ratio	Lower	Upper	
43	100		
70	44.9	34.5	51.7
55	28.2	20.4	30.6
61	25.8	20.0	30.0

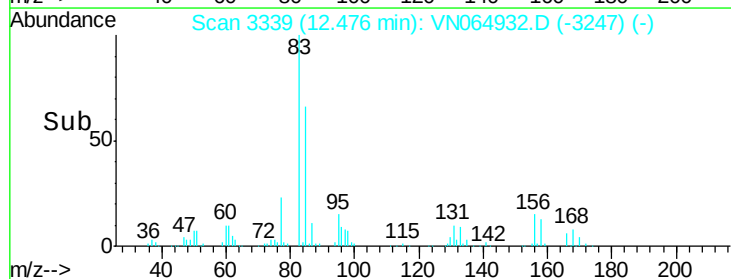
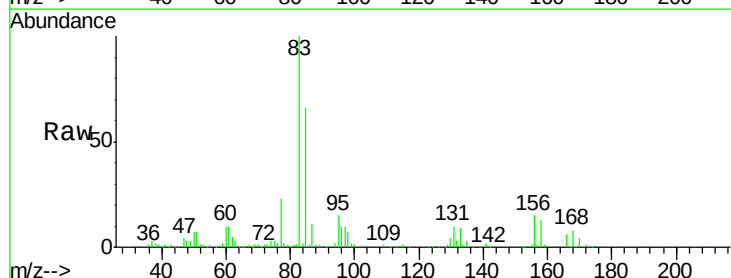
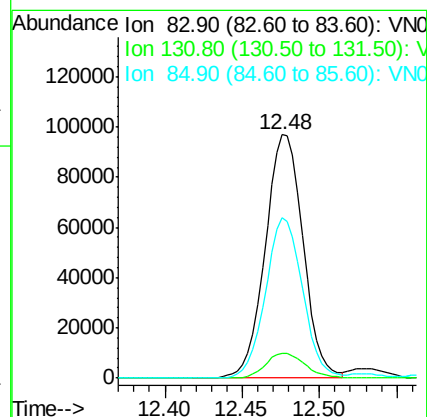
Manual Integrations
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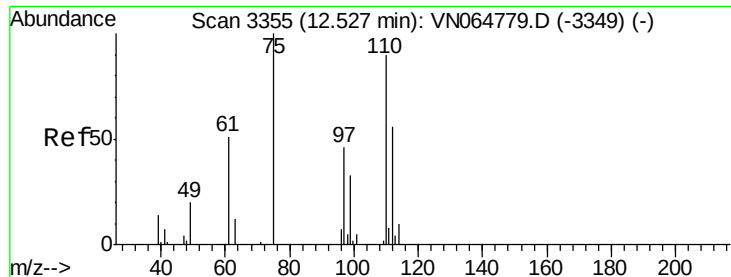
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#75
1,1,2,2-Tetrachloroethane
Concen: 52.803 ug/l
RT: 12.48 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	83	Resp	165166
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	64.3	33.0	99.0





#76

1,2,3-Trichloropropane

Concen: 43.071 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 75 Resp: 142312

Ion Ratio Lower Upper

75 100

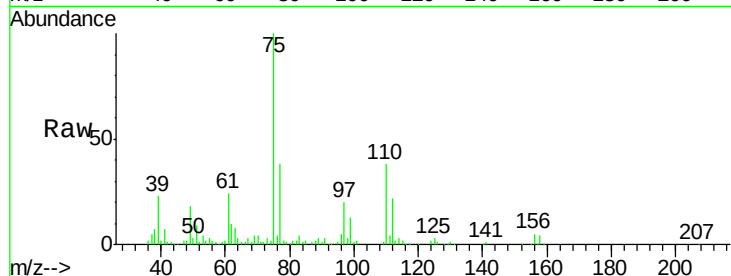
77 0.0 0.0 0.0

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

100000

50000

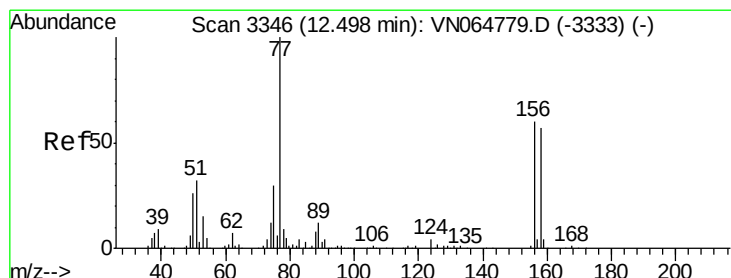
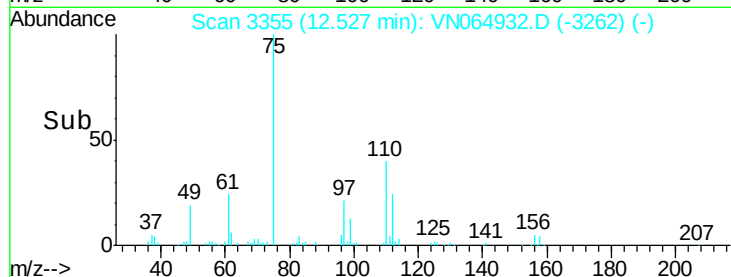
0

12.50

12.53

12.55

Time-->



#77

Bromobenzene

Concen: 50.395 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

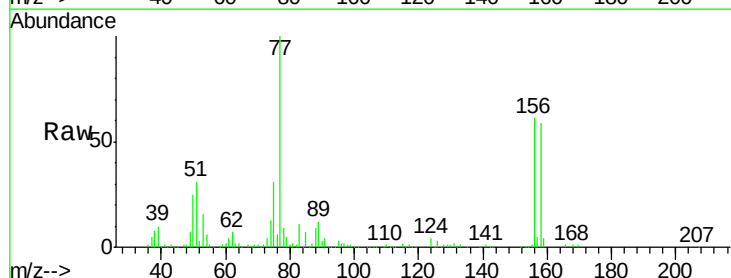
Tgt Ion: 156 Resp: 144993

Ion Ratio Lower Upper

156 100

77 197.0 101.3 303.7

158 94.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

150000

100000

50000

0

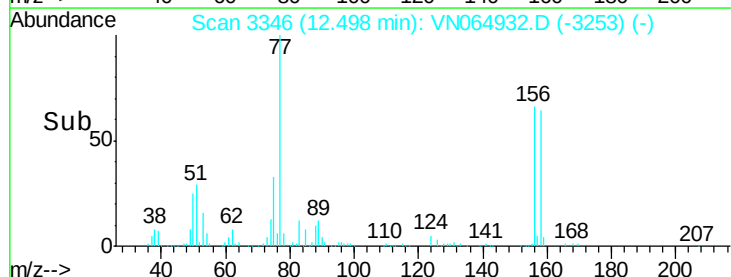
12.40

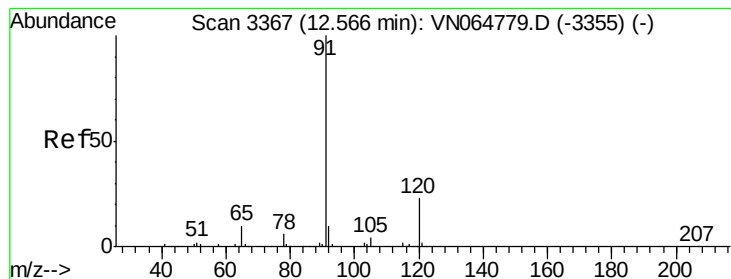
12.45

12.50

12.55

Time-->





#78

n-propylbenzene

Concen: 89.696 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 91 Resp: 1090464

Ion Ratio Lower Upper

91 100

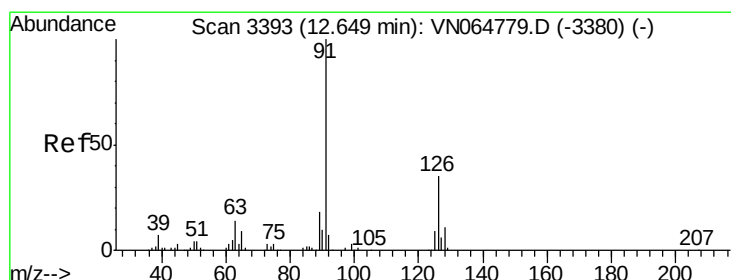
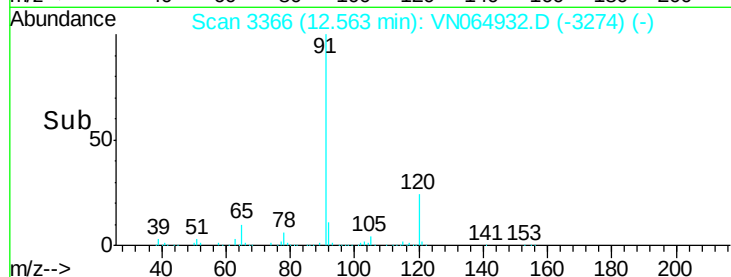
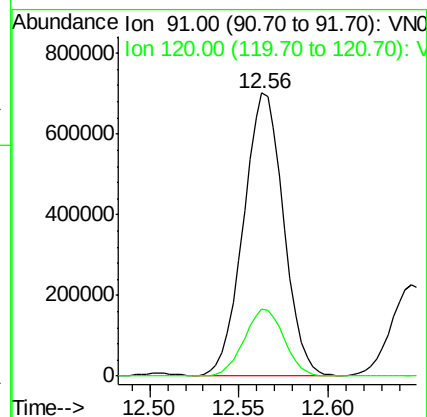
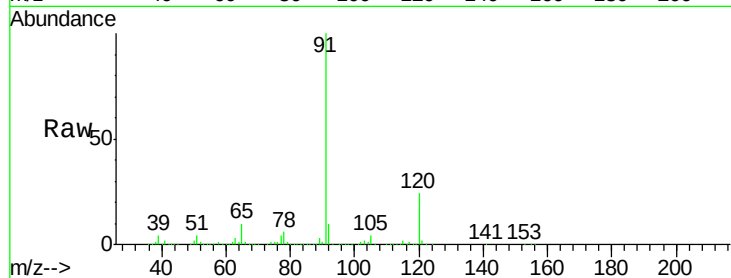
120 23.8 11.6 34.7

Manual Integrations

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12/7/2020 10:46:08 AM



#79

2-Chlorotoluene

Concen: 49.050 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064932.D

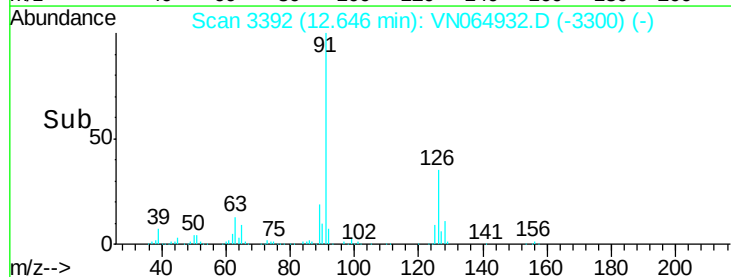
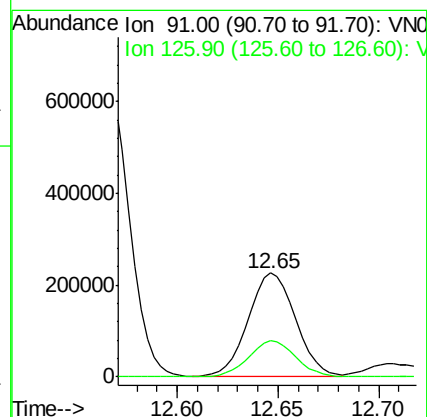
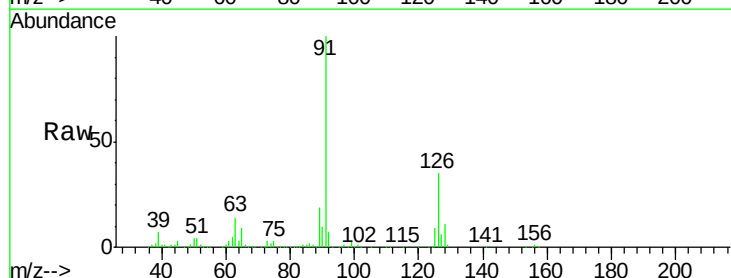
Acq: 4 Dec 2020 20:31

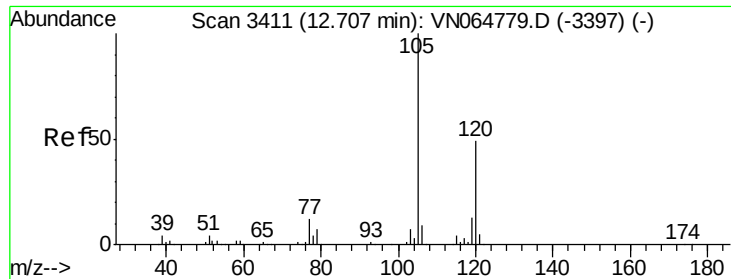
Tgt Ion: 91 Resp: 368612

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6





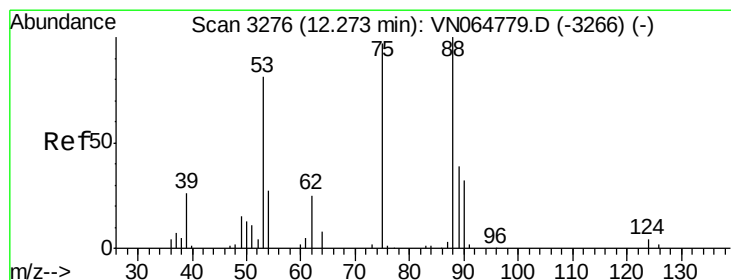
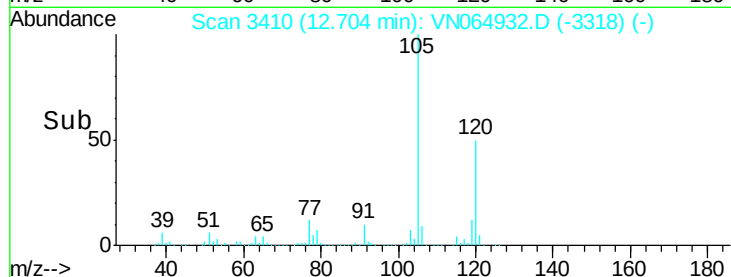
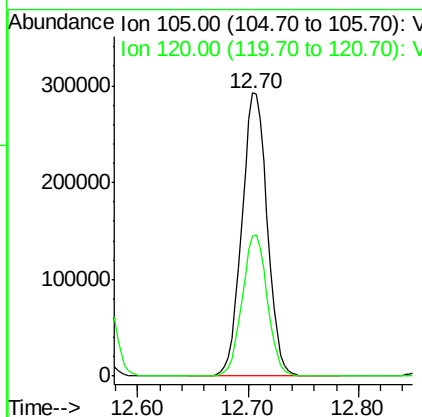
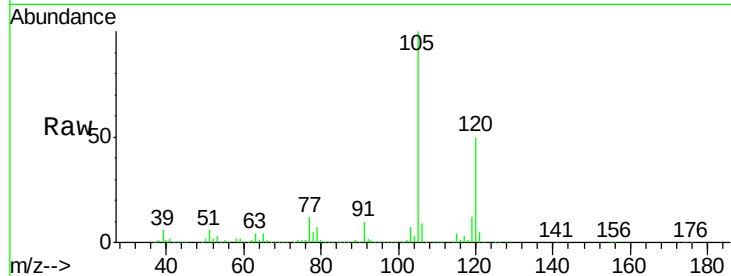
#80
 1,3,5-Trimethylbenzene
 Concen: 52.304 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion:105 Resp: 463958
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 73.6

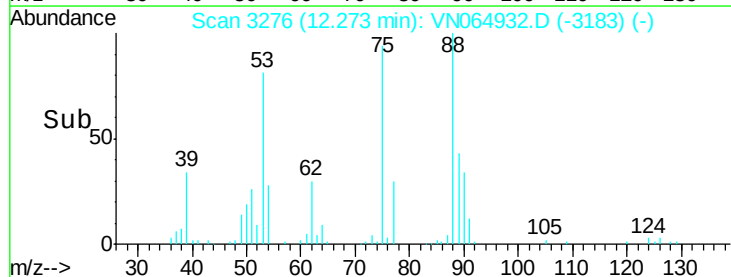
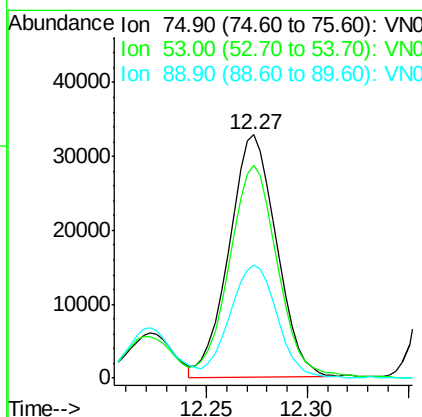
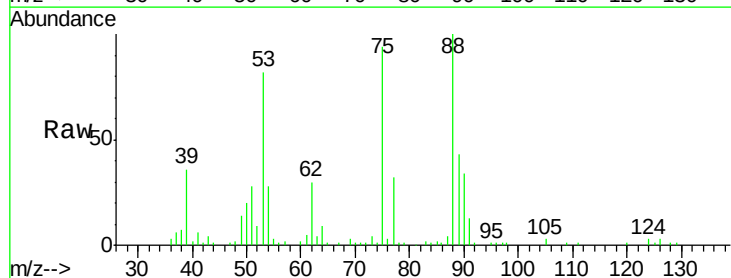
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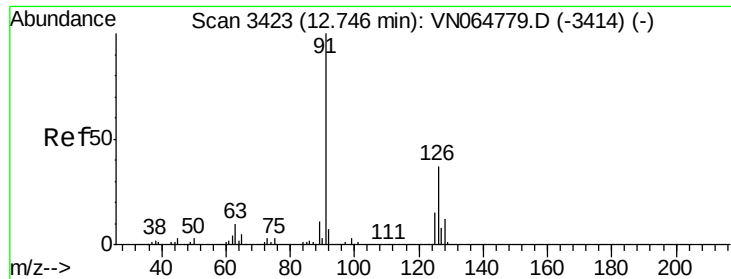
MMDadoda
 12/7/2020 10:46:08 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.511 ug/l
 RT: 12.27 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion: 75 Resp: 53661
 Ion Ratio Lower Upper
 75 100
 53 90.6 67.0 100.4
 89 46.6 39.6 59.4





#82

4-Chlorotoluene

Concen: 49.232 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion: 91 Resp: 387803

Ion Ratio Lower Upper

91 100

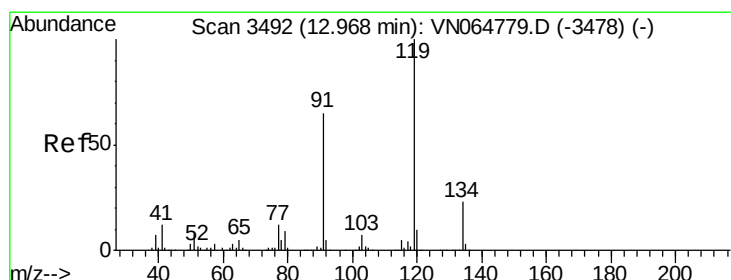
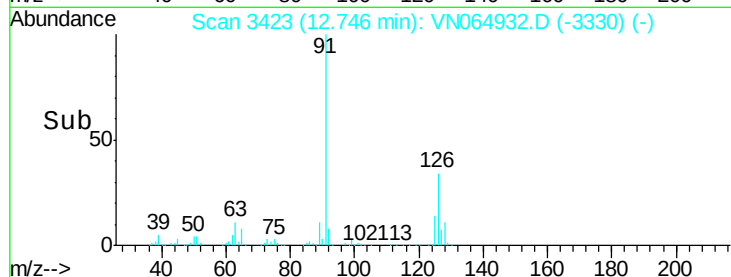
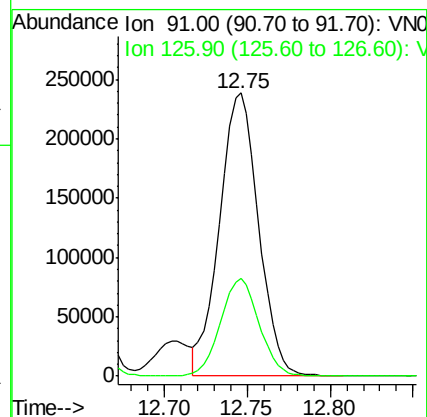
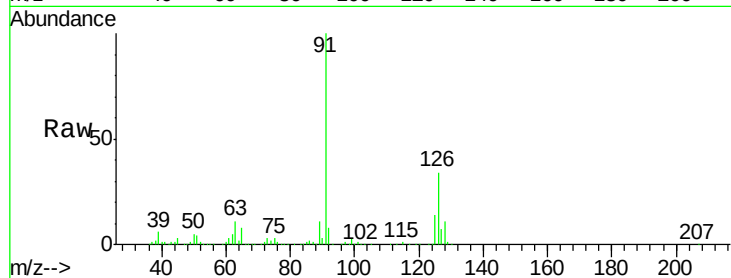
126 34.0 16.9 50.7

Manual Integrations

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#83

tert-Butylbenzene

Concen: 54.721 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

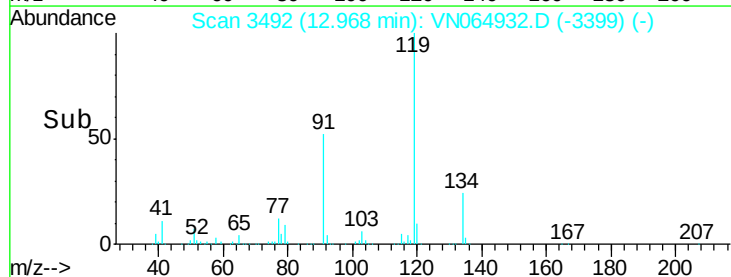
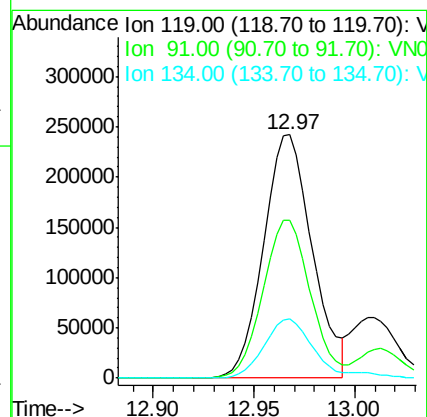
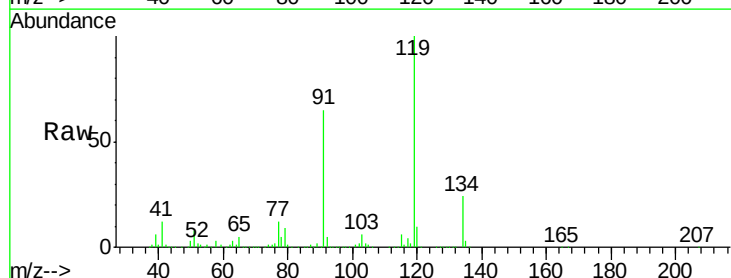
Tgt Ion: 119 Resp: 406860

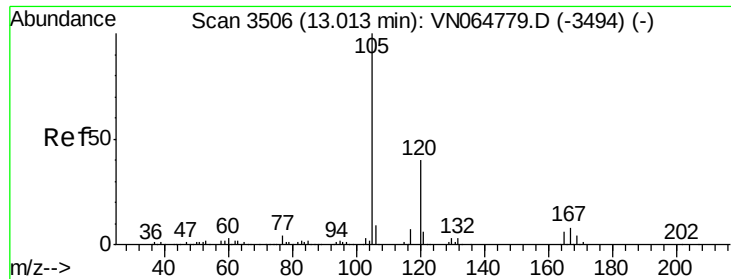
Ion Ratio Lower Upper

119 100

91 62.8 32.3 96.8

134 25.3 12.6 37.6





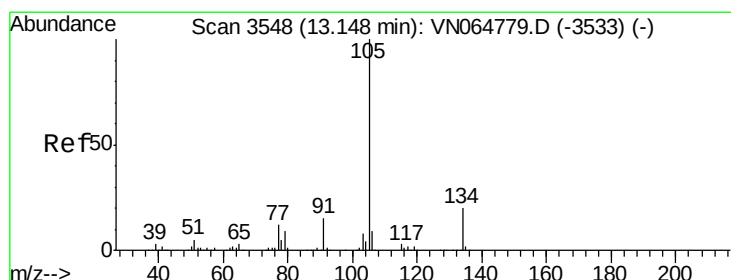
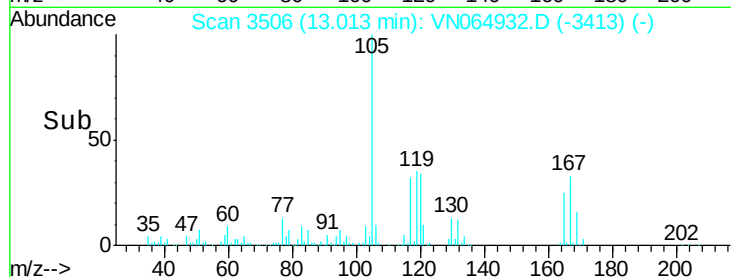
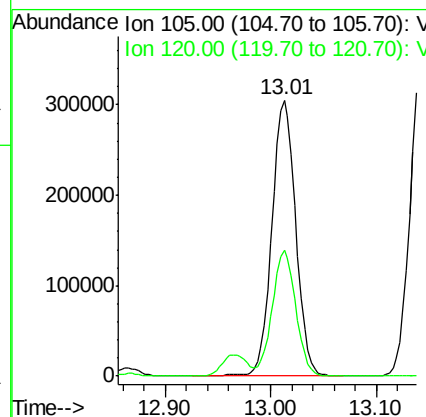
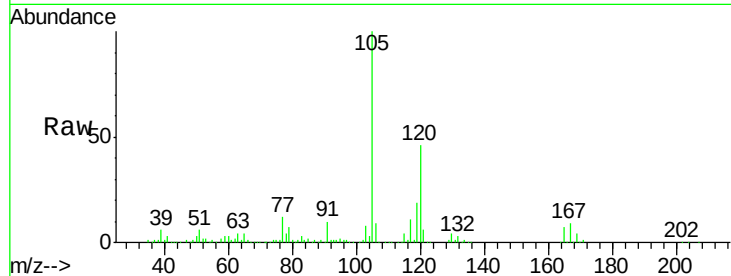
#84
 1,2,4-Trimethylbenzene
 Concen: 53.463 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.1	69.2

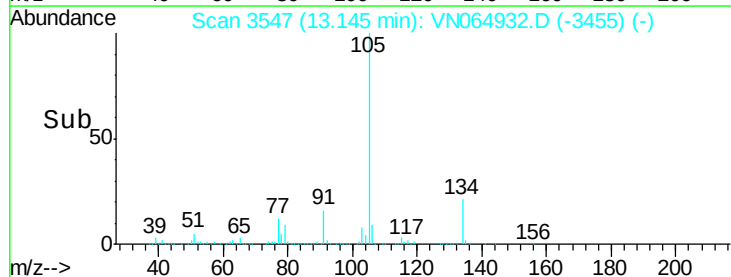
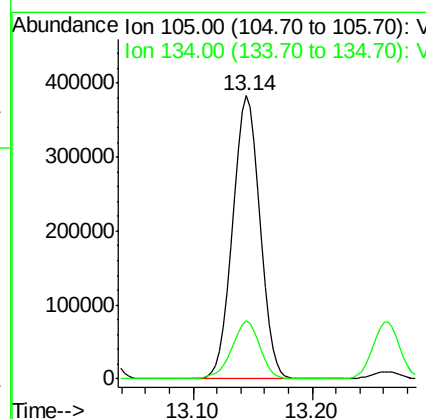
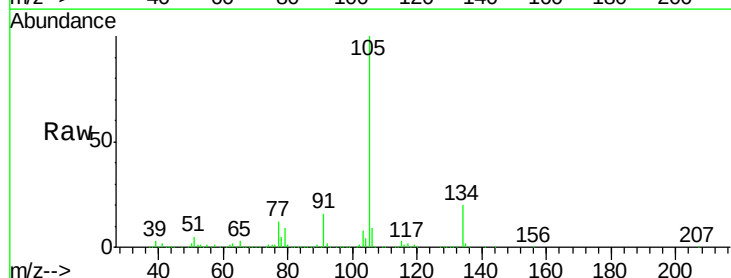
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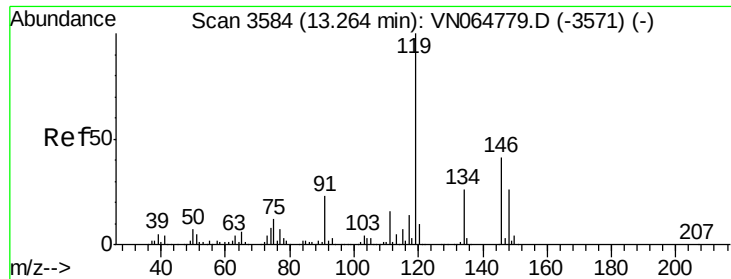
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#85
 sec-Butylbenzene
 Concen: 61.471 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.1	30.1





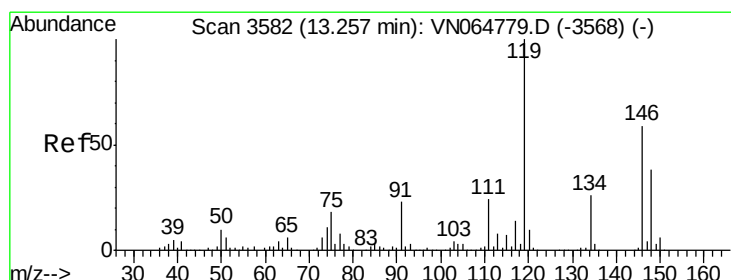
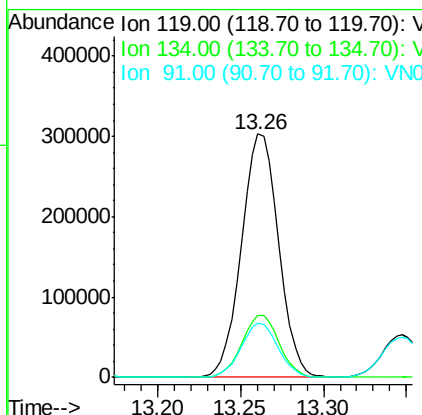
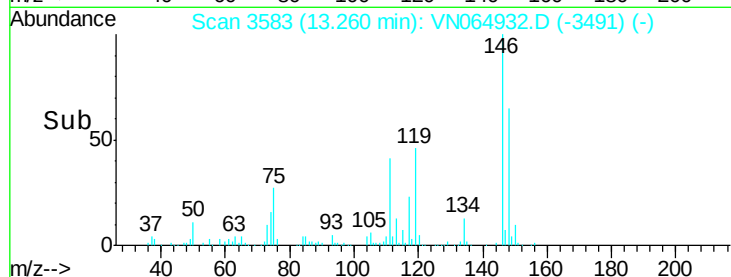
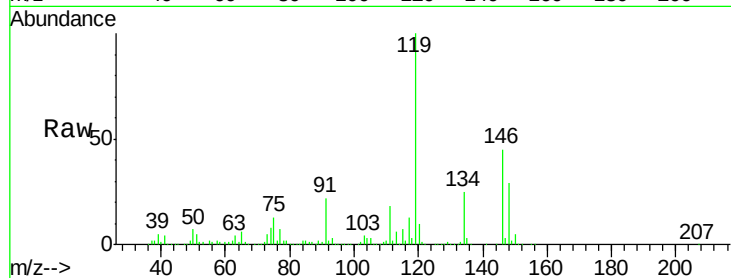
#86
 p-Isopropyltoluene
 Concen: 52.424 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.1	39.1
91	22.0	11.5	34.5

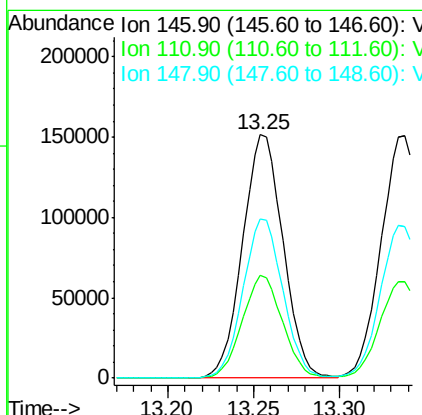
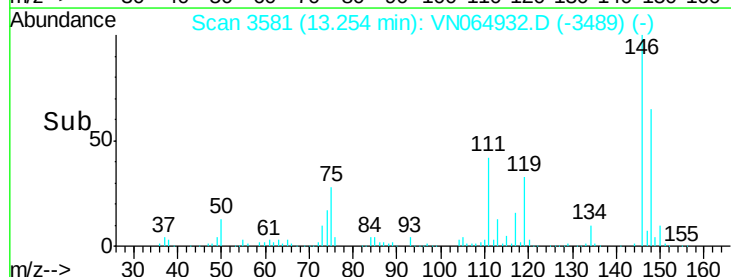
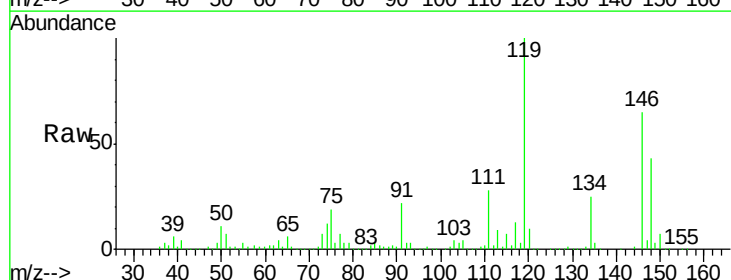
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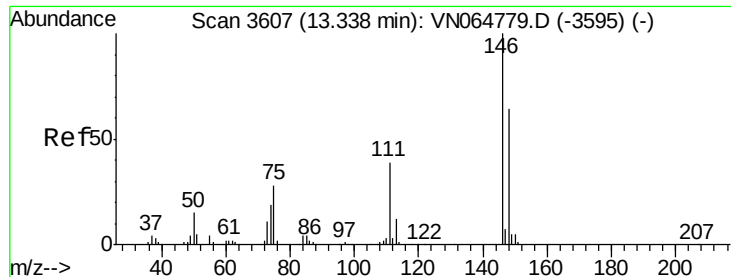
MMDadoda
 12/7/2020 10:46:08 AM



#87
 1,3-Dichlorobenzene
 Concen: 48.630 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	64.1	31.9	95.5





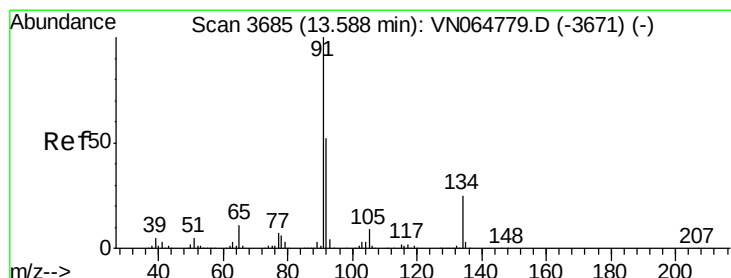
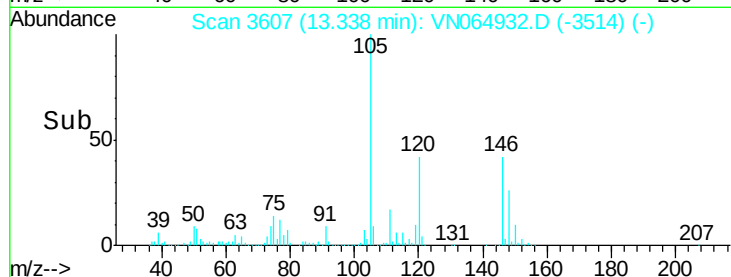
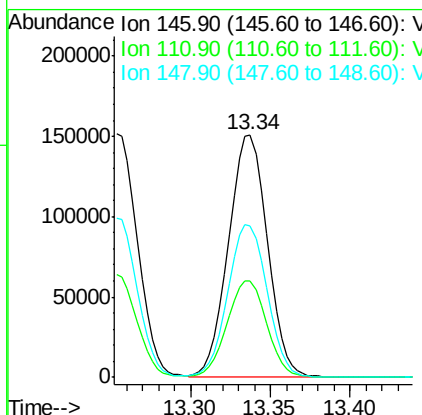
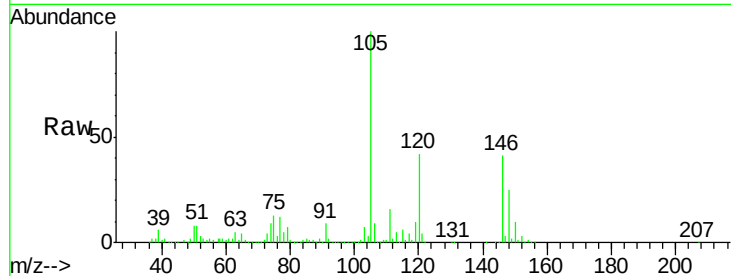
#88
 1,4-Dichlorobenzene
 Concen: 46.195 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.3
148	64.0	31.9	95.5

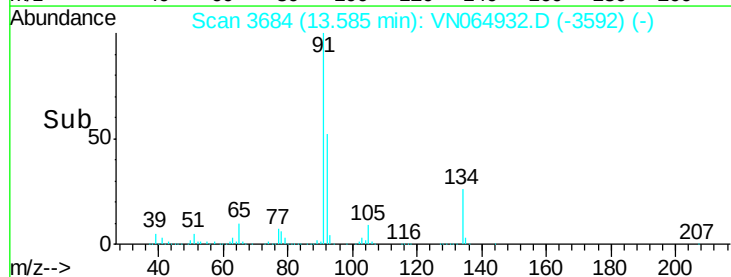
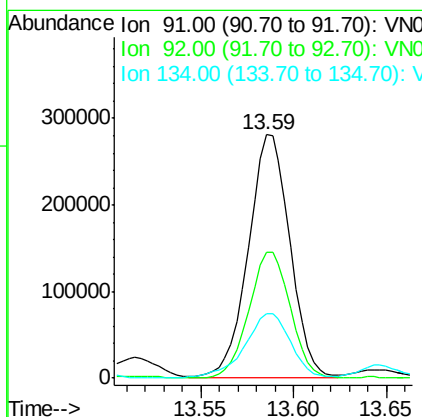
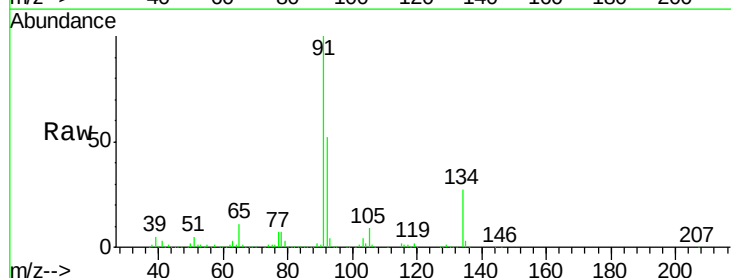
Manual Integrations
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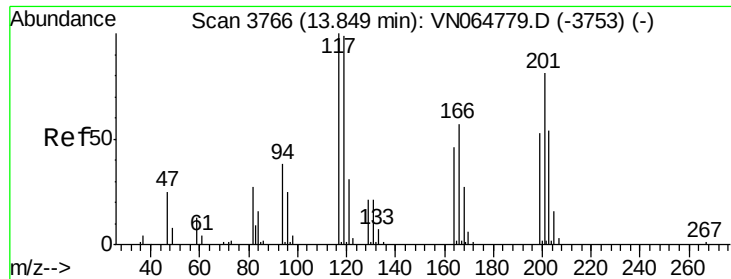
MMDadoda
 12/7/2020 10:46:08 AM



#89
 n-Butylbenzene
 Concen: 55.542 ug/l
 RT: 13.59 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	29.2	12.9	38.6





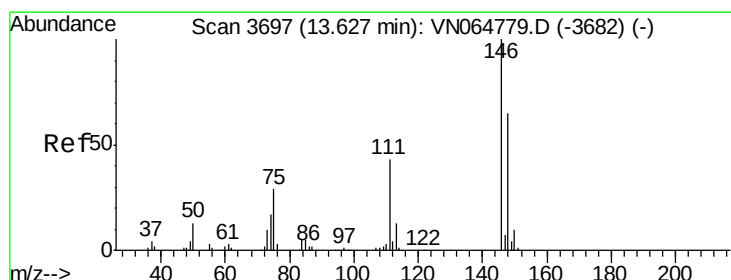
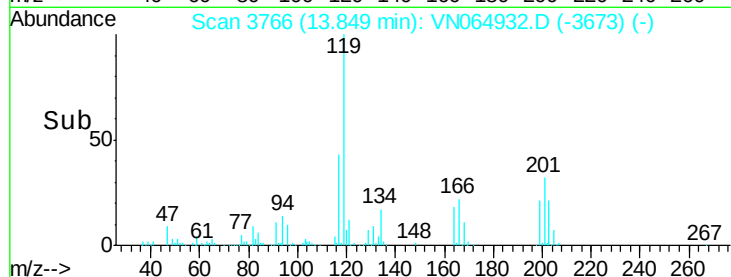
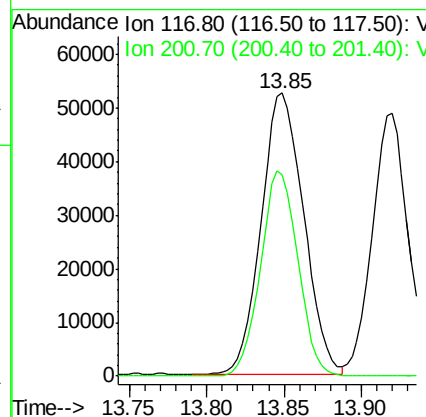
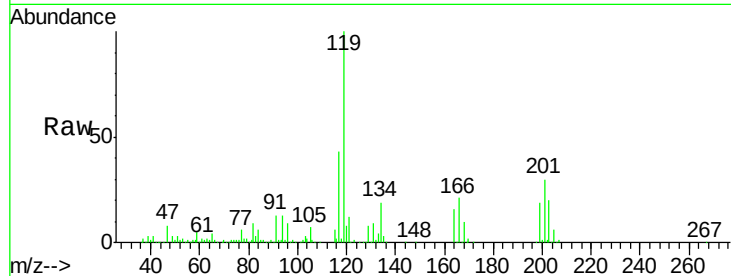
#90
Hexachloroethane
Concen: 64.794 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
SS013-13-6702-120220MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	63.8	40.1	120.3

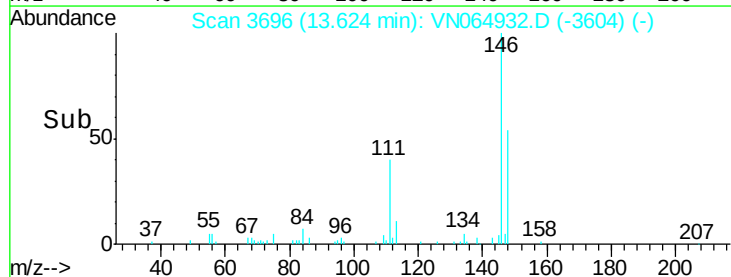
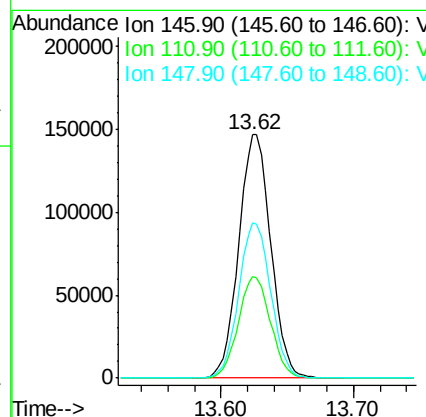
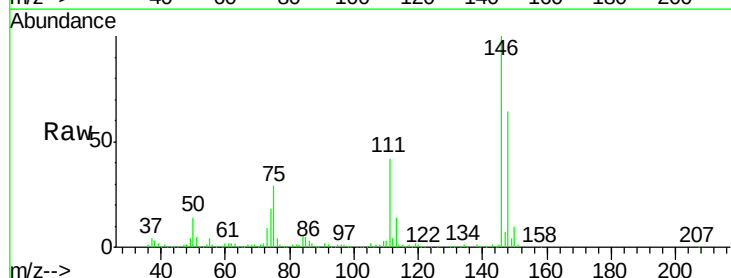
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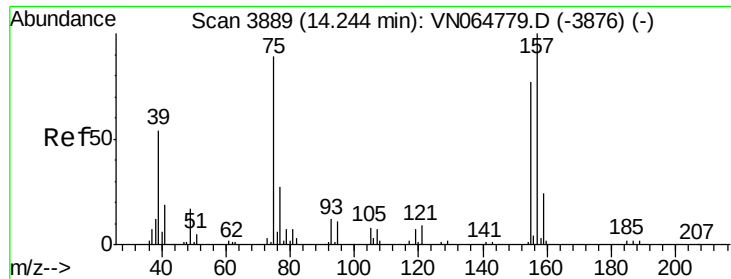
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12/7/2020 10:46:08 AM



#91
1,2-Dichlorobenzene
Concen: 49.181 ug/l
RT: 13.62 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VN064932.D
Acq: 4 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	63.8	32.0	96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.808 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

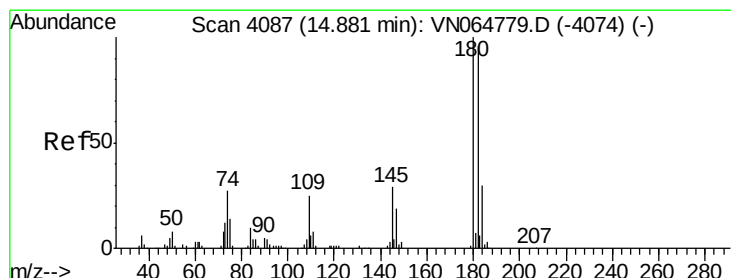
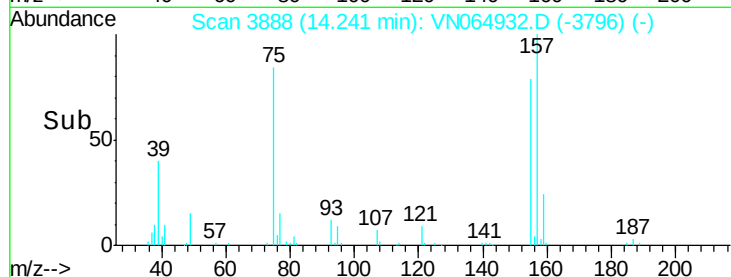
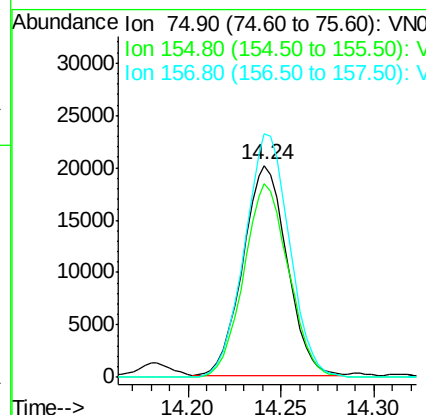
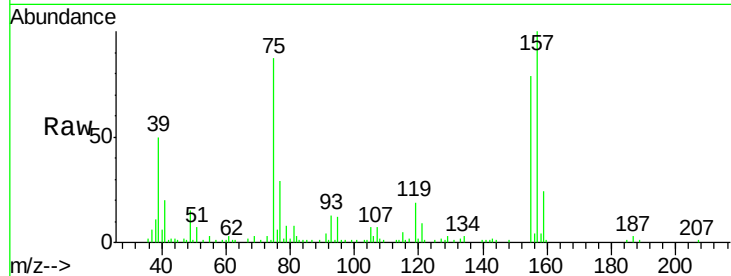
ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:	75	Resp:	32944
Ion	Ratio	Lower	Upper
75	100		
155	93.6	42.8	128.3
157	118.1	56.4	169.1

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 47.876 ug/l

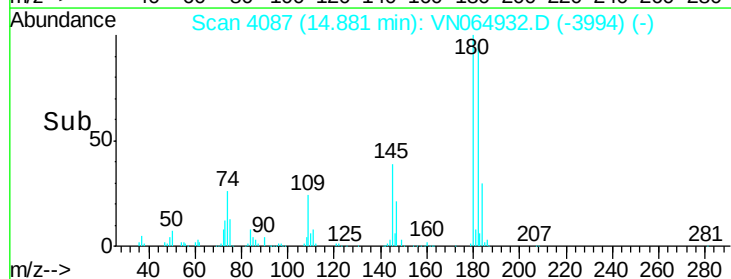
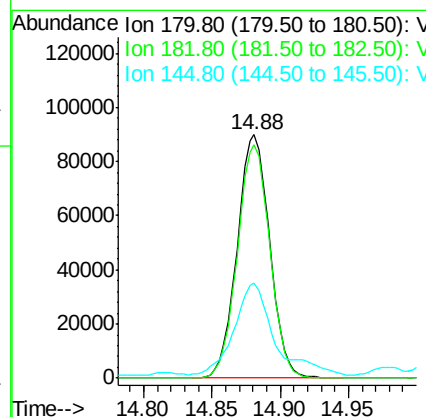
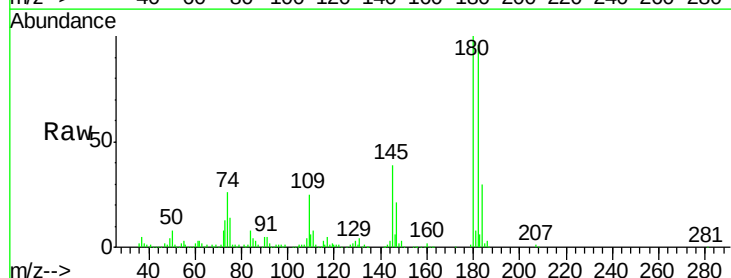
RT: 14.88 min Scan# 4087

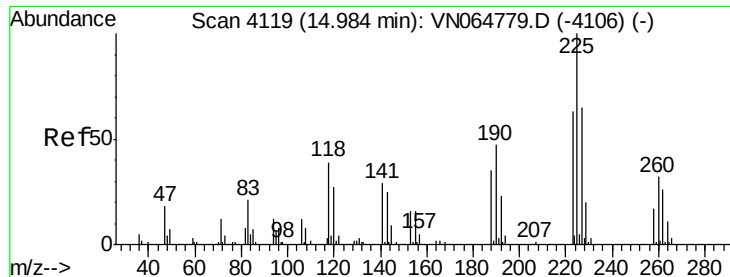
Delta R.T. 0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Tgt Ion:	180	Resp:	148649
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.9
145	51.5	15.3	45.8#





#94

Hexachlorobutadiene

Concen: 49.350 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Instrument :

MSVOA_N

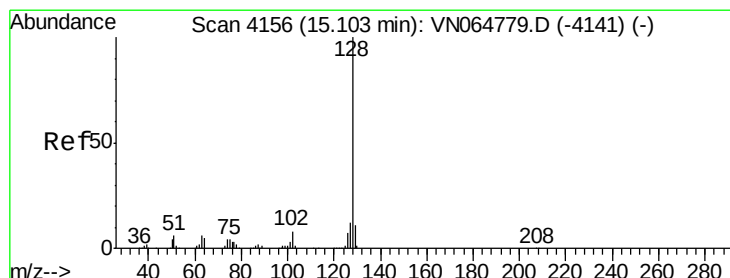
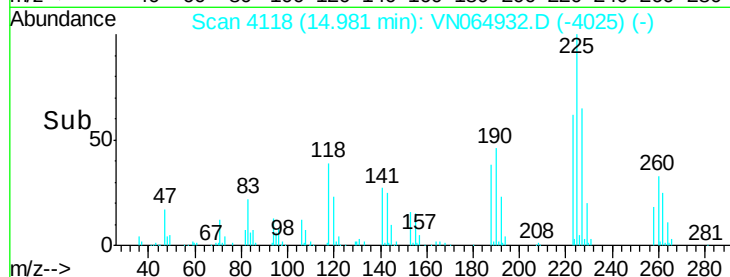
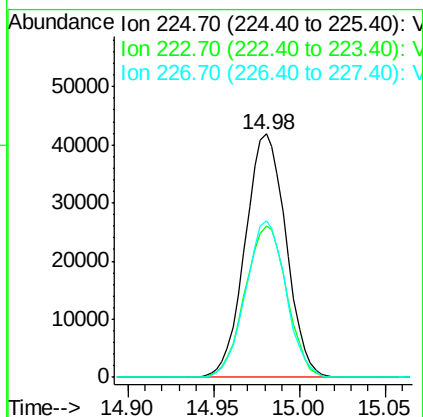
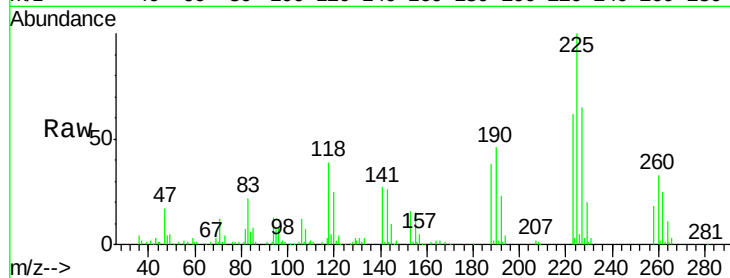
ClientSampleId :

SS013-13-6702-120220MSD

Tot Ion:	225	Resp:	68992
Ion Ratio		Lower	Upper
225	100		
223	63.3	31.0	93.0
227	63.3	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:46:08 AM



#95

Naphthalene

Concen: 87.162 ug/l

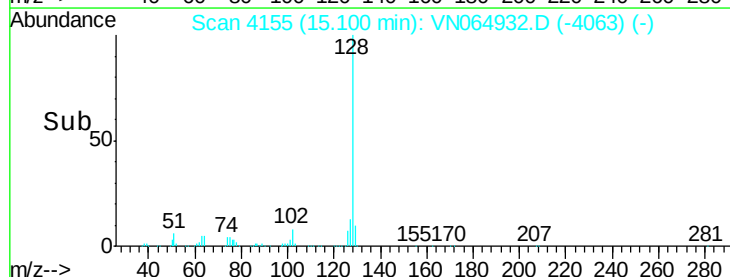
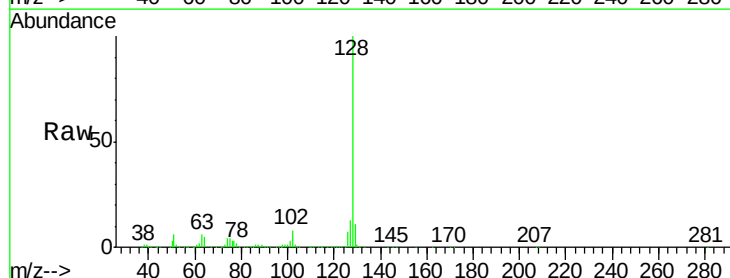
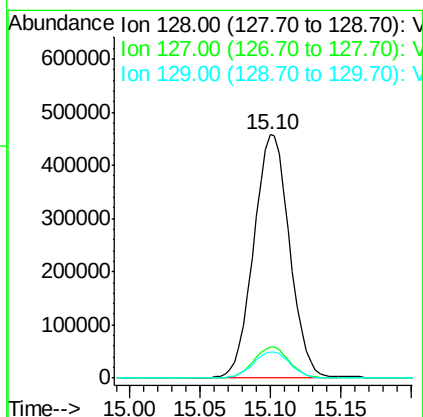
RT: 15.10 min Scan# 4155

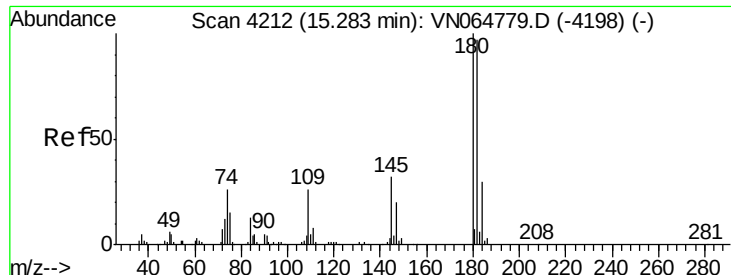
Delta R.T. -0.00 min

Lab File: VN064932.D

Acq: 4 Dec 2020 20:31

Tgt Ion:	128	Resp:	810761
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 49.750 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN064932.D
 Acq: 4 Dec 2020 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 SS013-13-6702-120220MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.3	48.1	144.4
145	42.5	16.4	49.1

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:46:08 AM

