

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065045.D
 Acq On : 10 Dec 2020 15:13
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:39 PM

Quant Time: Dec 10 16:05:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 14:05:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	185495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	300677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	266416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	12498	5.79	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	11.58%#
35) Dibromofluoromethane	7.55	113	10870	5.95	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	11.90%#
50) Toluene-d8	10.06	98	38339	5.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	10.38%#
62) 4-Bromofluorobenzene	12.38	95	12481	4.74	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.48%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	9323	6.013	ug/l 100
3) Chloromethane	2.04	50	11683	5.759	ug/l 97
4) Vinyl Chloride	2.17	62	12242	5.757	ug/l 97
5) Bromomethane	2.53	94	8334	5.972	ug/l 88
6) Chloroethane	2.67	64	7842	5.894	ug/l 95
7) Trichlorofluoromethane	2.99	101	16965	5.698	ug/l 87
8) Diethyl Ether	3.37	74	6169	5.238	ug/l 77
9) 1,1,2-Trichlorotrifluoroet	3.71	101	10529	5.877	ug/l 99
10) Methyl Iodide	3.91	142	10815	4.738	ug/l 99
11) Tert butyl alcohol	4.75	59	7236	22.426	ug/l # 86
12) 1,1-Dichloroethene	3.69	96	9833	5.570	ug/l 94
13) Acrolein	3.56	56	6308	30.528	ug/l 95
14) Allyl chloride	4.27	41	14679	5.034	ug/l 94
15) Acrylonitrile	4.94	53	22561	24.690	ug/l 97
16) Acetone	3.78	43	23505	32.455	ug/l 99
17) Carbon Disulfide	4.01	76	28508	5.664	ug/l 99
18) Methyl Acetate	4.28	43	10482	4.949	ug/l # 73
19) Methyl tert-butyl Ether	4.99	73	28661	5.027	ug/l 96
20) Methylene Chloride	4.50	84	12536	5.678	ug/l 94
21) trans-1,2-Dichloroethene	4.99	96	10311	5.250	ug/l 93
22) Diisopropyl ether	5.90	45	30254	5.137	ug/l # 85
23) Vinyl Acetate	5.84	43	111131	23.757	ug/l 100
24) 1,1-Dichloroethane	5.80	63	19097	5.427	ug/l 99
25) 2-Butanone	6.79	43	29102	25.715	ug/l 94
26) 2,2-Dichloropropane	6.78	77	16433	5.387	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	12288	5.522	ug/l 97
28) Bromochloromethane	7.15	49	8820	5.473	ug/l # 100
29) Tetrahydrofuran	7.17	42	17732	22.907	ug/l 99
30) Chloroform	7.33	83	19438	5.324	ug/l 100
31) Cyclohexane	7.62	56	16936	5.775	ug/l # 78
32) 1,1,1-Trichloroethane	7.53	97	16770	5.372	ug/l 98
36) 1,1-Dichloropropene	7.75	75	13879	5.026	ug/l 98
37) Ethyl Acetate	6.88	43	12828	4.898	ug/l # 90
38) Carbon Tetrachloride	7.73	117	14904	5.179	ug/l 98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.04	83	13538	4.625	ug/l	91
40) Benzene	8.00	78	43788	5.174	ug/l	100
41) Methacrylonitrile	7.13	41	6357	5.035	ug/l #	86
42) 1,2-Dichloroethane	8.08	62	15215	5.320	ug/l	96
43) Isopropyl Acetate	8.13	43	20536	4.842	ug/l	96
44) Trichloroethene	8.80	130	12154	4.888	ug/l	99
45) 1,2-Dichloropropane	9.08	63	11231	5.081	ug/l	90
46) Dibromomethane	9.17	93	7320	4.975	ug/l	94
47) Bromodichloromethane	9.37	83	14976	5.059	ug/l	97
48) Methyl methacrylate	9.16	41	8773	4.330	ug/l	95
49) 1,4-Dioxane	9.17	88	3379	88.425	ug/l #	93
51) 4-Methyl-2-Pentanone	9.95	43	57612	22.649	ug/l	93
52) Toluene	10.12	92	25613	4.901	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	14705	4.481	ug/l	92
54) cis-1,3-Dichloropropene	9.80	75	17417	4.940	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	10953	5.063	ug/l	99
56) Ethyl methacrylate	10.40	69	12246	4.175	ug/l	96
57) 1,3-Dichloropropane	10.68	76	17940	5.061	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	31059	19.208	ug/l	97
59) 2-Hexanone	10.72	43	40134	21.943	ug/l	93
60) Dibromochloromethane	10.87	129	11743	4.905	ug/l	94
61) 1,2-Dibromoethane	10.98	107	10792	4.941	ug/l	100
64) Tetrachloroethene	10.60	164	12809	5.004	ug/l	92
65) Chlorobenzene	11.41	112	28981	5.054	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	10902	5.174	ug/l	96
67) Ethyl Benzene	11.48	91	46190	4.855	ug/l	95
68) m/p-Xylenes	11.59	106	34003	9.386	ug/l	94
69) o-Xylene	11.92	106	16794	4.893	ug/l	98
70) Styrene	11.94	104	25634	4.422	ug/l	98
71) Bromoform	12.10	173	7932	4.738	ug/l #	96
73) Isopropylbenzene	12.22	105	41382	4.970	ug/l	97
74) N-amyl acetate	12.04	43	14159	4.397	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.48	83	14042	5.733	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	13572m	5.324	ug/l	
77) Bromobenzene	12.50	156	11870	5.272	ug/l	92
78) n-propylbenzene	12.56	91	45757	4.842	ug/l	99
79) 2-Chlorotoluene	12.65	91	29667	5.072	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	33408	4.830	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	3783	4.105	ug/l	90
82) 4-Chlorotoluene	12.75	91	30711	5.005	ug/l	99
83) tert-Butylbenzene	12.97	119	27319	4.711	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	33546	4.786	ug/l	100
85) sec-Butylbenzene	13.14	105	36568	4.775	ug/l	99
86) p-Isopropyltoluene	13.26	119	31975	4.587	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	20209	5.051	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	21105	4.990	ug/l	93
89) n-Butylbenzene	13.59	91	26180	4.300	ug/l	98
90) Hexachloroethane	13.85	117	6380	5.239	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	20315	5.169	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2413	4.475	ug/l	95

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ALS Vial : 10 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

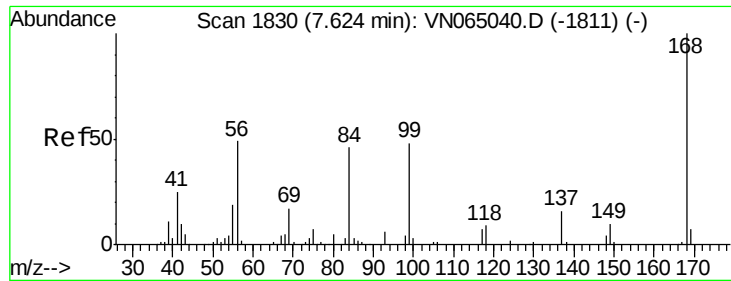
Manual Integrations
APPROVED

MMDadoda
12/11/2020 12:32:39 PM

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Quant Title : SW846 8260
QLast Update : Thu Dec 10 14:05:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	7200	3.029	ug/l	98
94) Hexachlorobutadiene	14.98	225	5892	4.861	ug/l	94
95) Naphthalene	15.10	128	16265	2.293	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	5848	2.502	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 185495

Ion Ratio Lower Upper

168 100

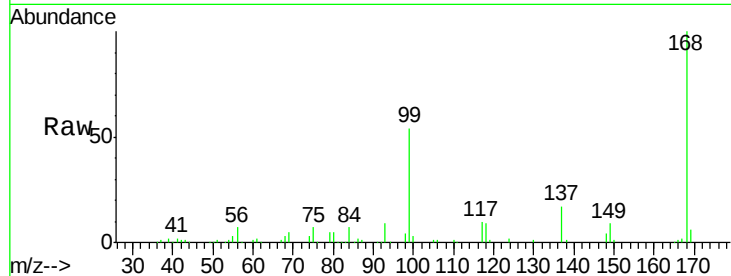
99 53.2 44.0 66.0

Manual Integrations

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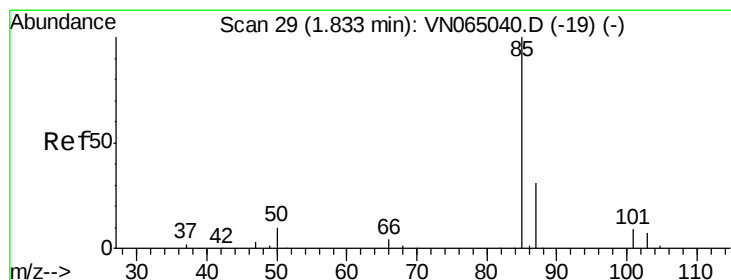
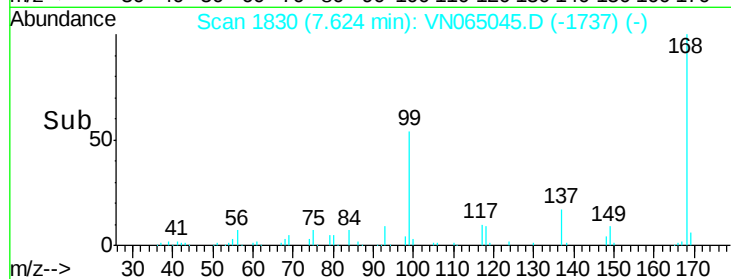
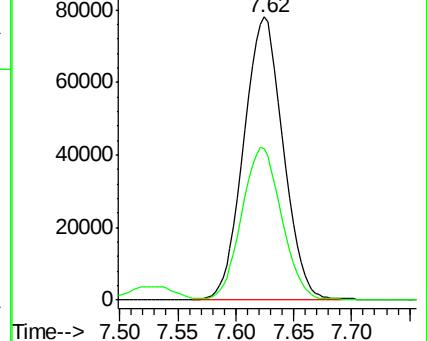
MMDadoda

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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: 6.013 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065045.D

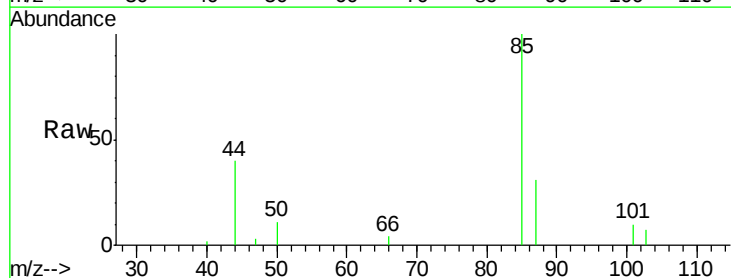
Acq: 10 Dec 2020 15:13

Tgt Ion: 85 Resp: 9323

Ion Ratio Lower Upper

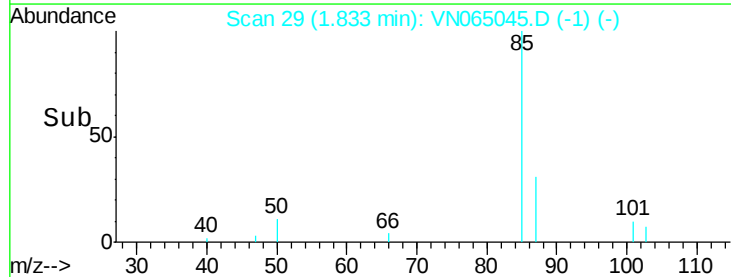
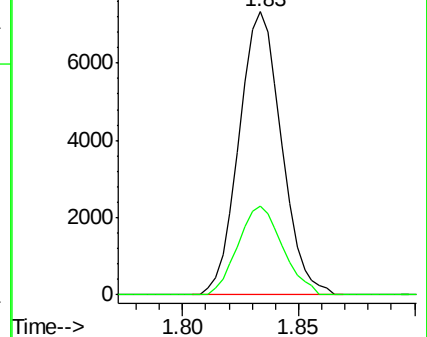
85 100

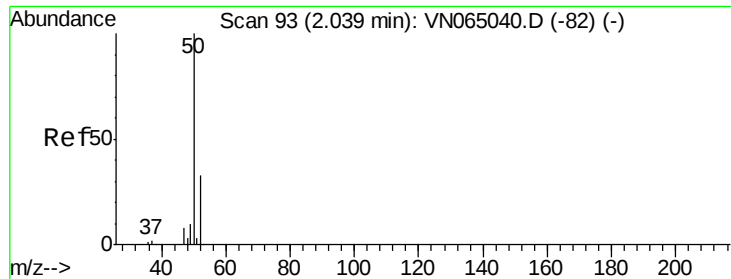
87 31.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.759 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11683

Ion Ratio Lower Upper

50 100

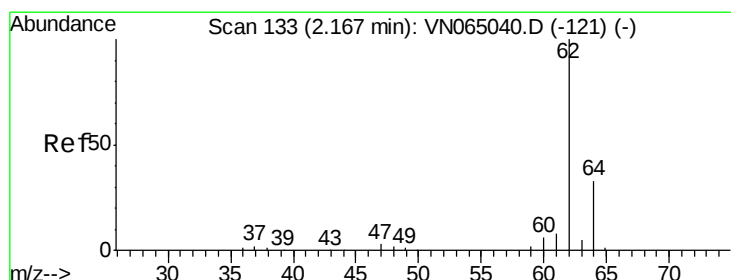
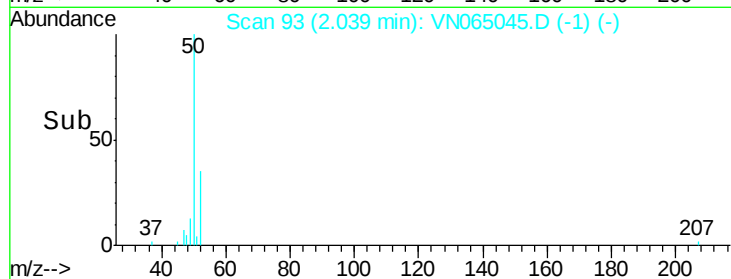
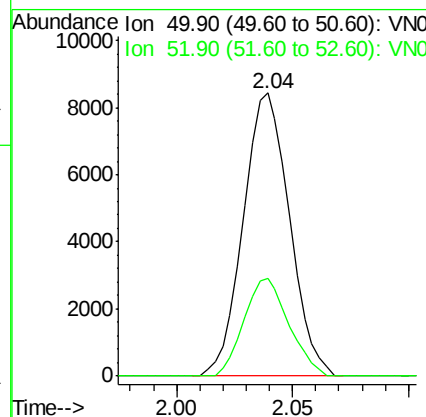
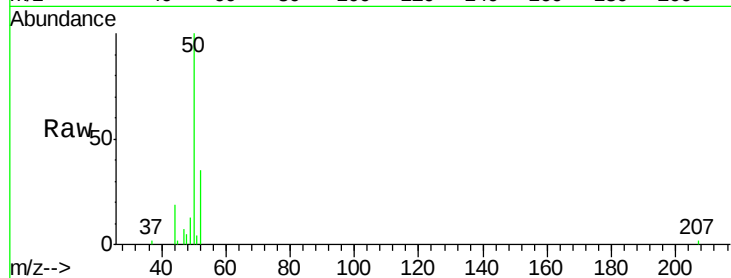
52 34.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.757 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065045.D

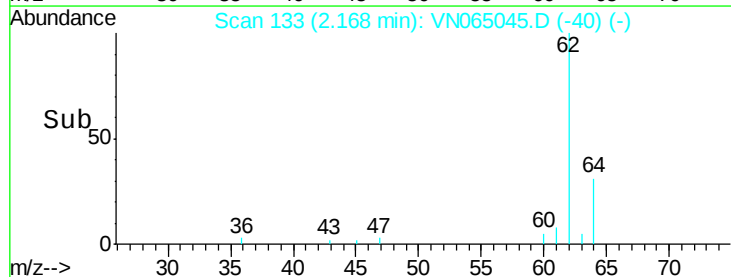
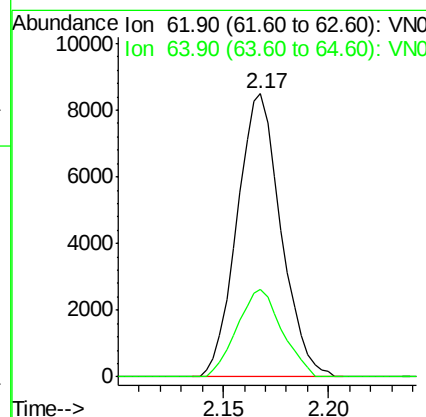
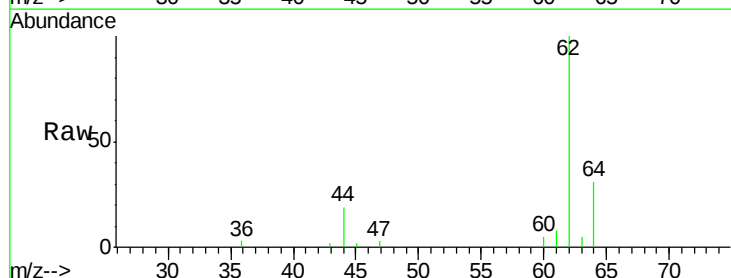
Acq: 10 Dec 2020 15:13

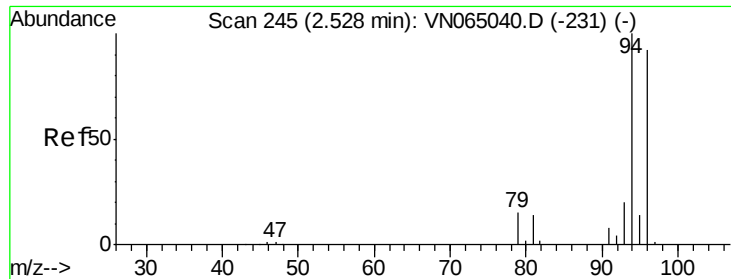
Tgt Ion: 62 Resp: 12242

Ion Ratio Lower Upper

62 100

64 31.0 26.1 39.1





#5

Bromomethane

Concen: 5.972 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8334

Ion Ratio Lower Upper

94 100

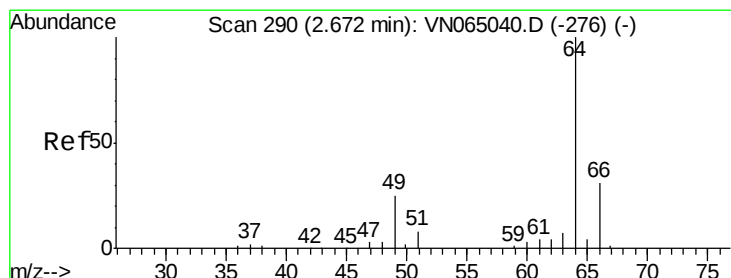
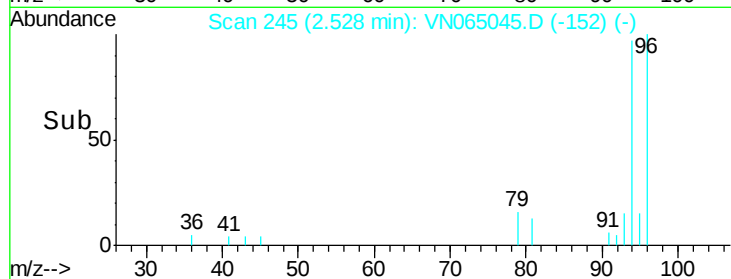
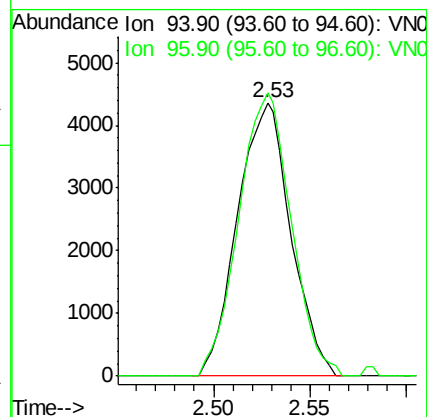
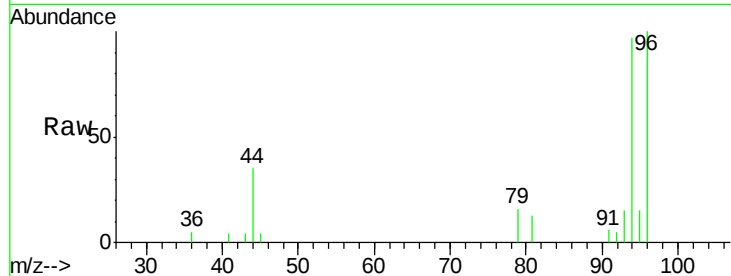
96 103.5 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 5.894 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065045.D

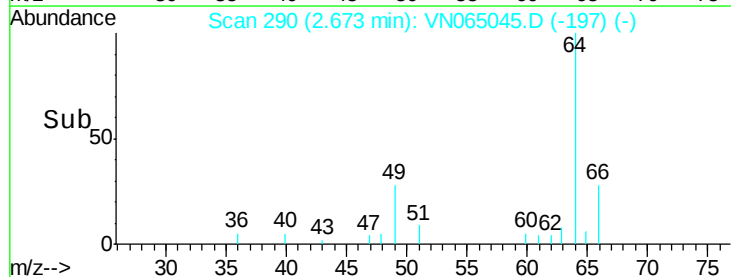
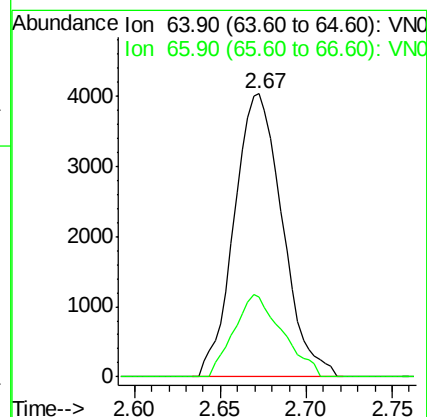
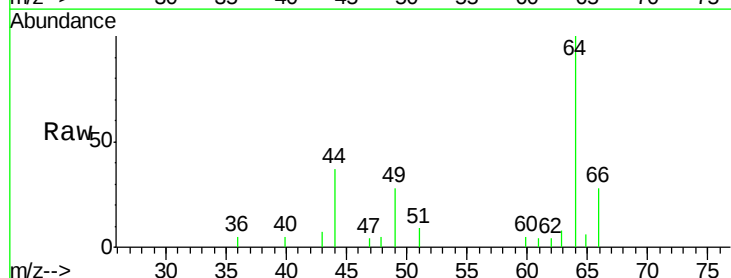
Acq: 10 Dec 2020 15:13

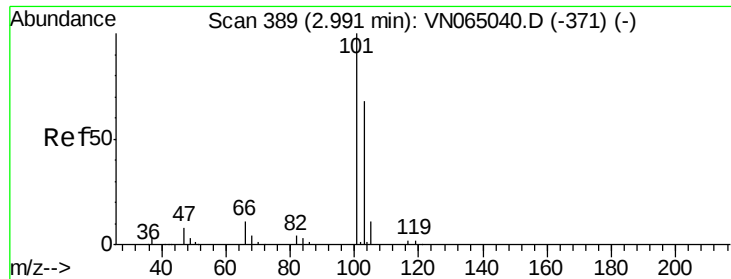
Tgt Ion: 64 Resp: 7842

Ion Ratio Lower Upper

64 100

66 28.3 24.6 37.0





#7

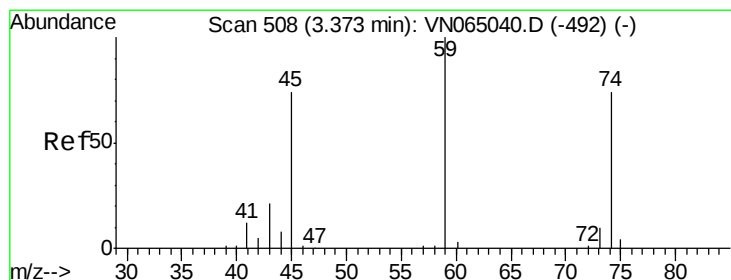
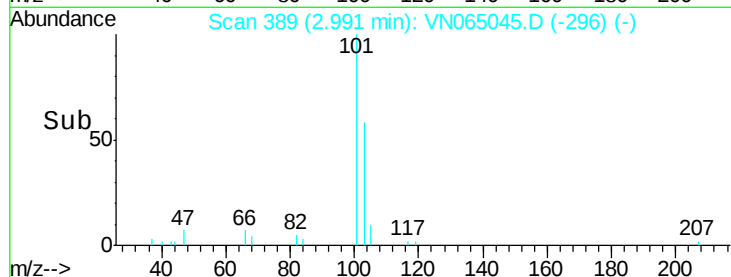
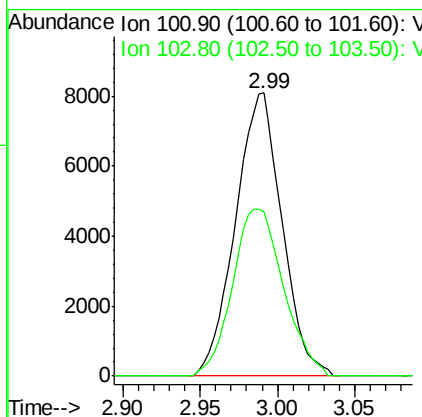
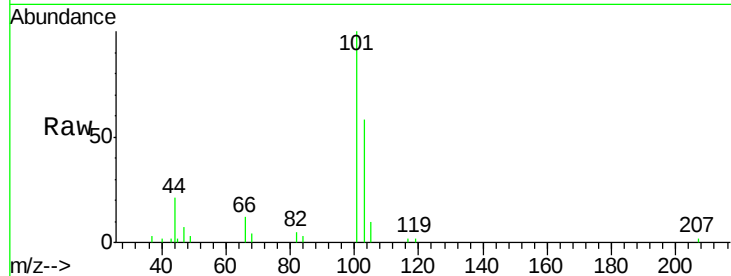
Trichlorofluoromethane
Concen: 5.698 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.8	54.5	81.7

Manual Integrations
APPROVED

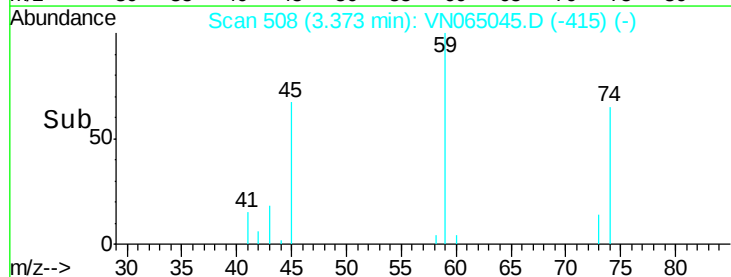
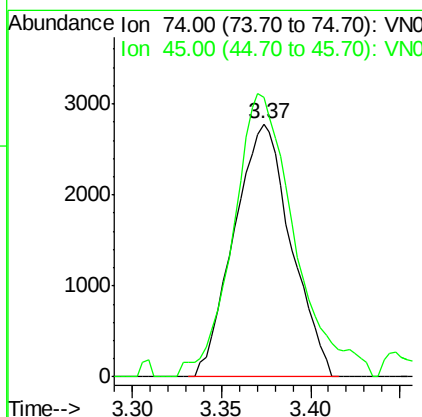
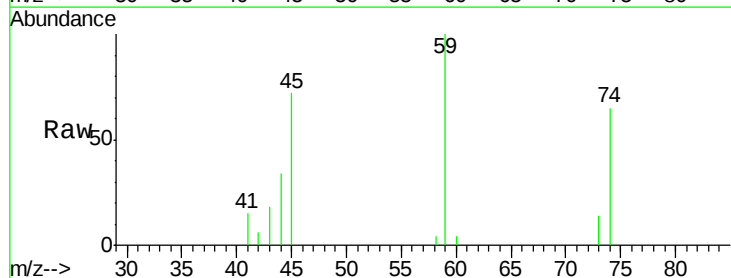
MMDadoda
12/11/2020 12:32:39 PM

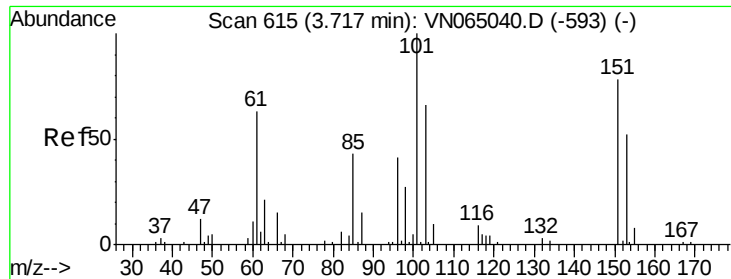


#8

Diethyl Ether
Concen: 5.238 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.9	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.877 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

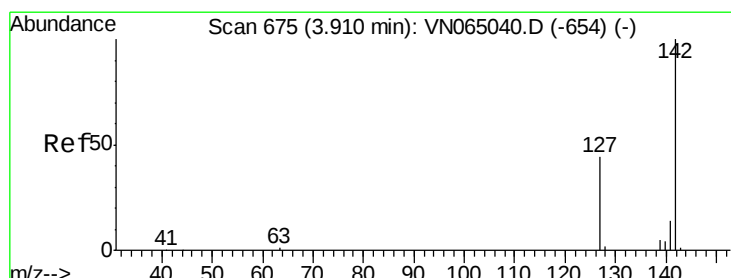
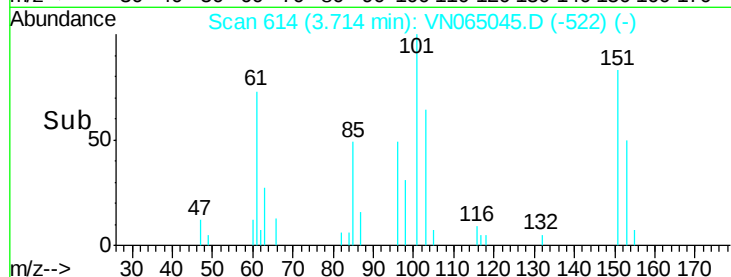
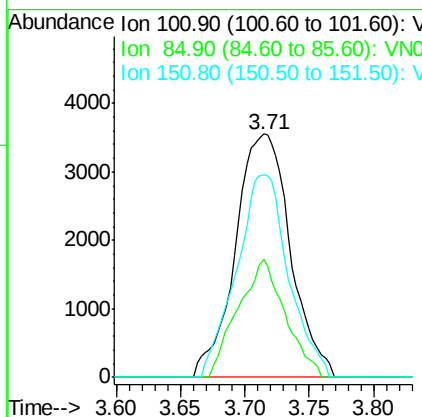
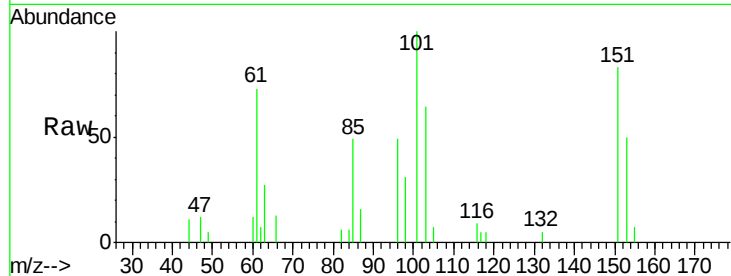
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10529
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.2	49.8
151	79.0	63.7	95.5

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#10

Methyl Iodide

Concen: 4.738 ug/l

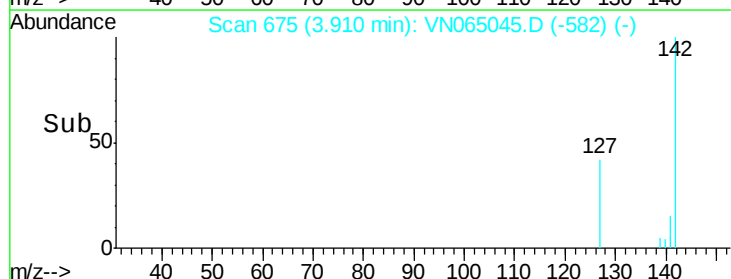
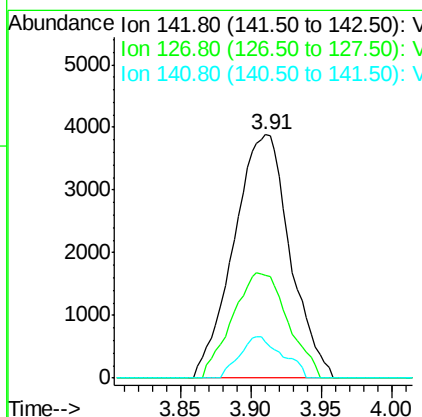
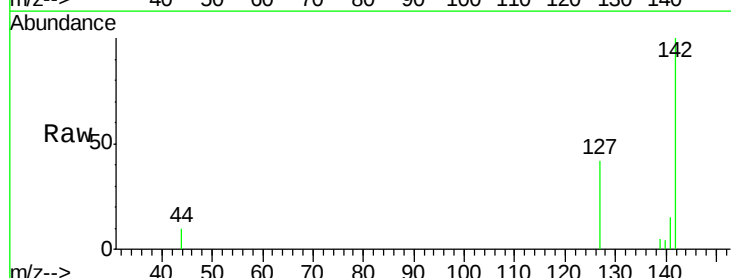
RT: 3.91 min Scan# 675

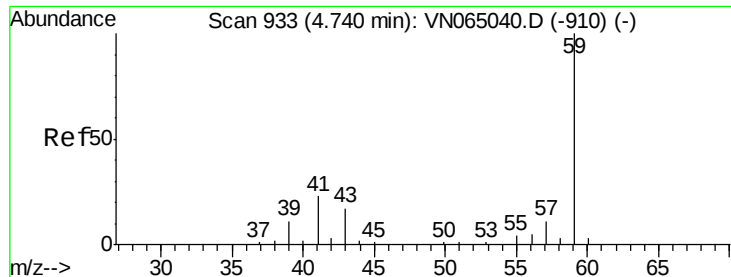
Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Tgt Ion:	142	Resp:	10815
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.6	52.0
141	12.9	10.9	16.3





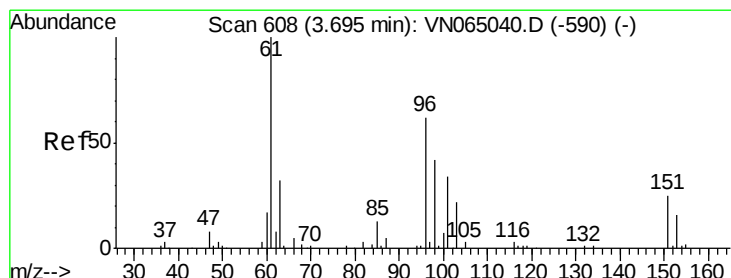
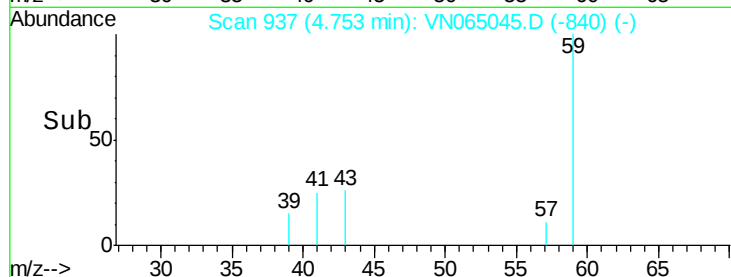
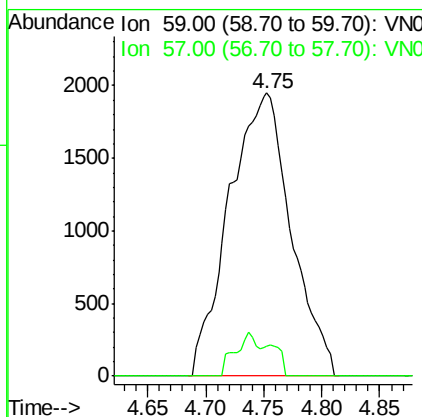
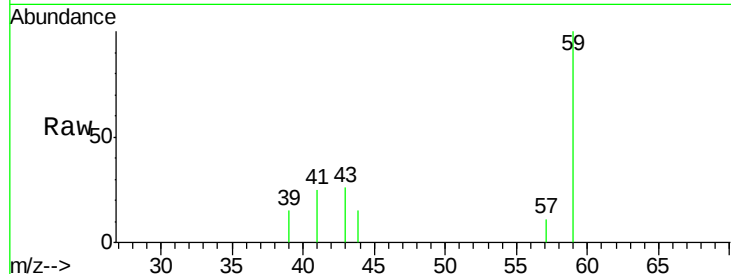
#11
Tert butyl alcohol
Concen: 22.426 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 7236
Ion Ratio Lower Upper
59 100
57 5.4 8.6 12.8#

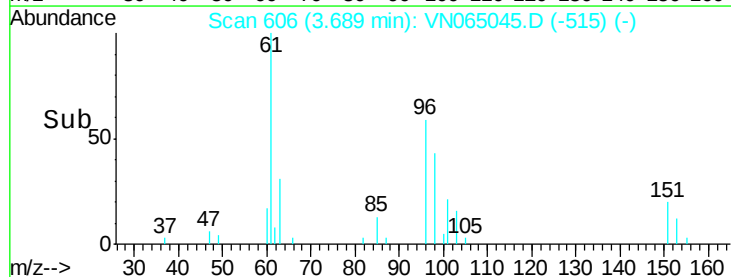
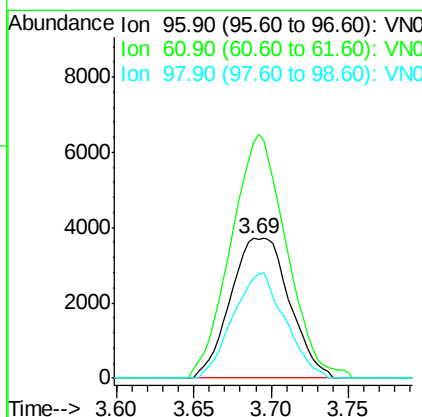
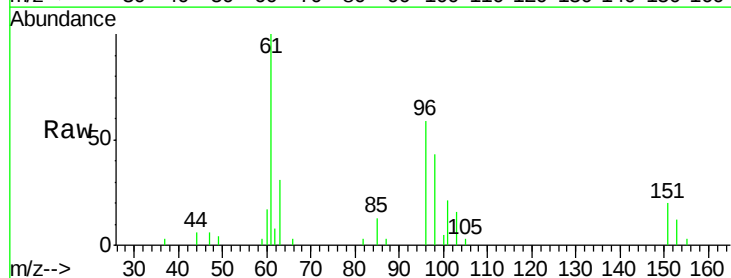
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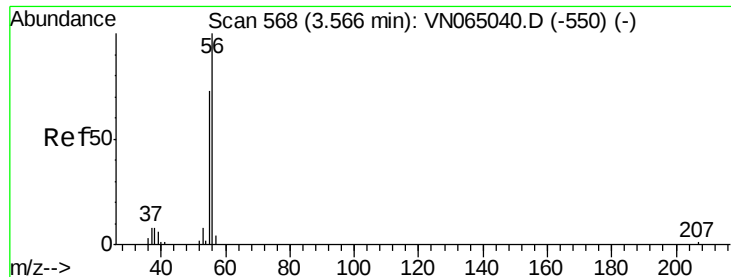
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.570 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion: 96 Resp: 9833
Ion Ratio Lower Upper
96 100
61 168.6 128.4 192.6
98 71.9 53.6 80.4





#13

Acrolein

Concen: 30.528 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6308

Ion Ratio Lower Upper

56 100

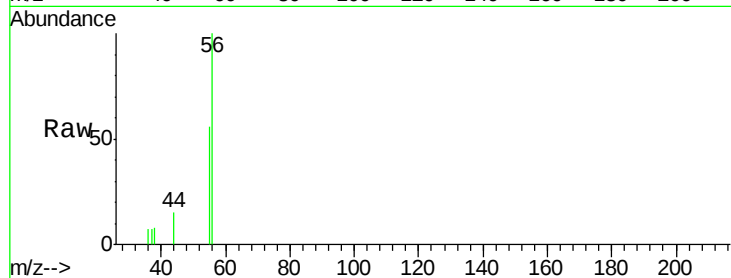
55 68.6 58.4 87.6

Manual Integrations

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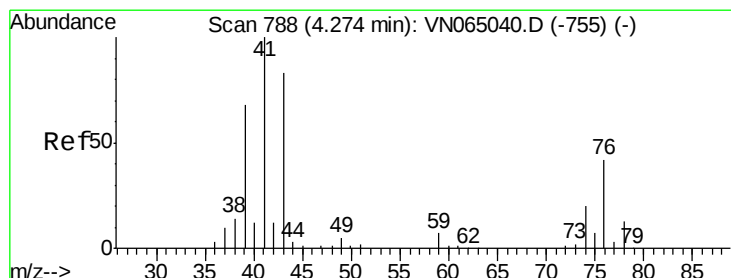
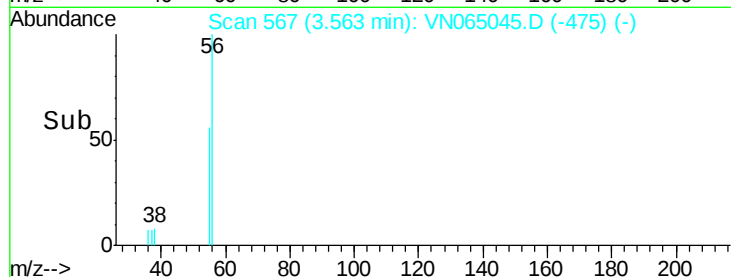
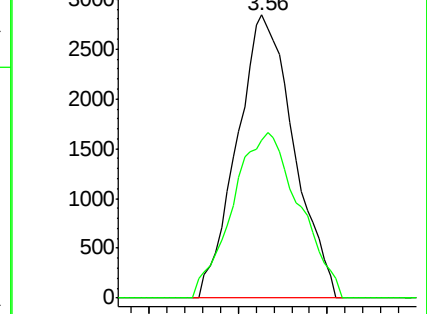
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Abundance Ion 56.00 (55.70 to 56.70): VN065040.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN065040.D (-550) (-)



#14

Allyl chloride

Concen: 5.034 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

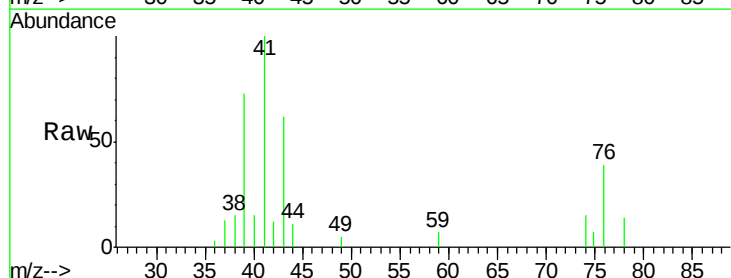
Tgt Ion: 41 Resp: 14679

Ion Ratio Lower Upper

41 100

39 68.1 49.0 73.6

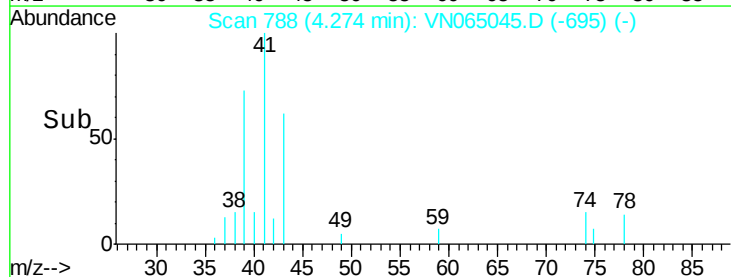
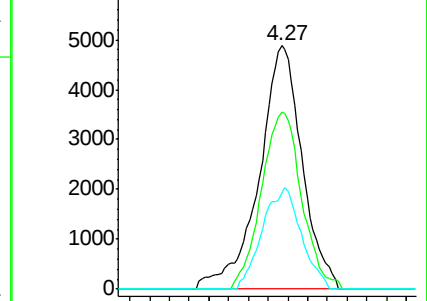
76 37.8 29.6 44.4

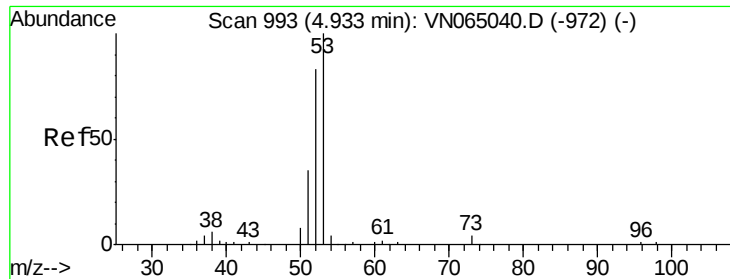


Abundance Ion 41.00 (40.70 to 41.70): VN065040.D (-755) (-)

Ion 39.00 (38.70 to 39.70): VN065040.D (-755) (-)

Ion 75.90 (75.60 to 76.60): VN065040.D (-755) (-)





#15

Acrylonitrile

Concen: 24.690 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

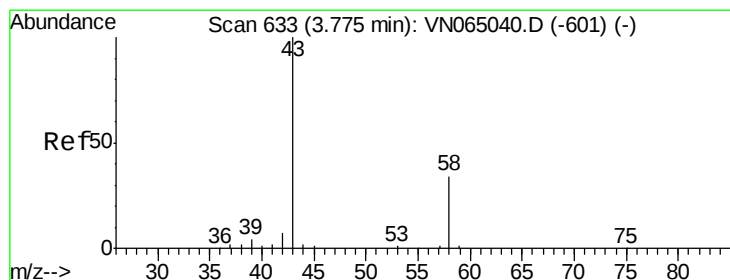
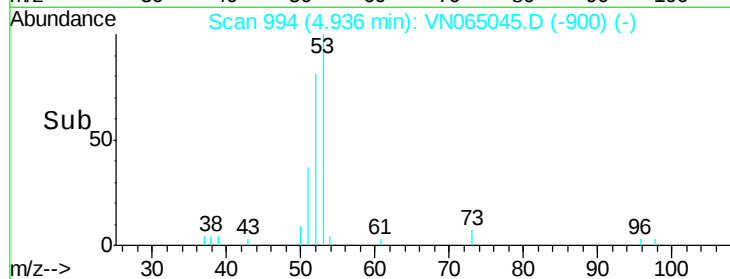
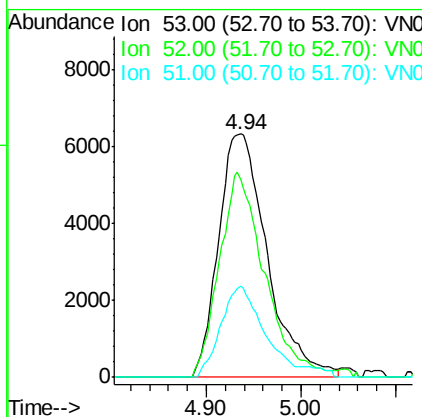
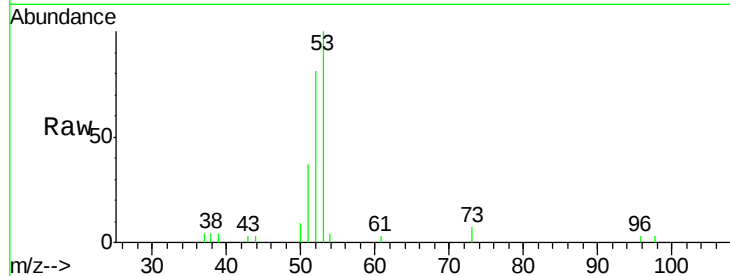
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	22561
Ion	Ratio	Lower	Upper
53	100		
52	78.6	65.4	98.0
51	33.1	27.8	41.6

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#16

Acetone

Concen: 32.455 ug/l

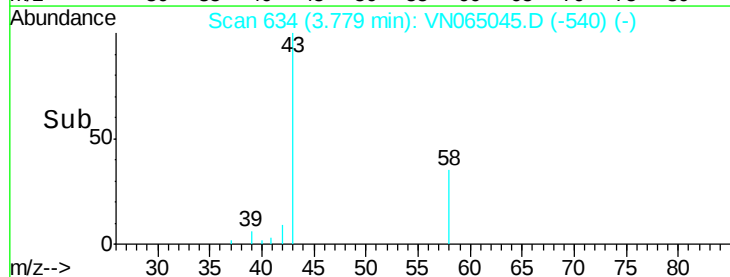
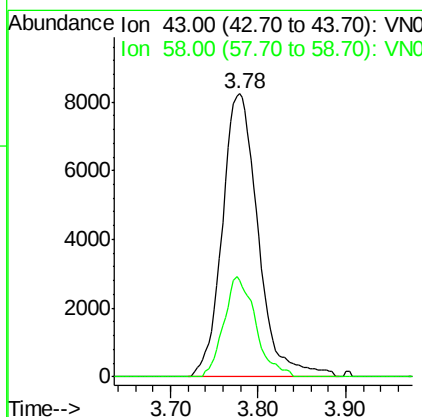
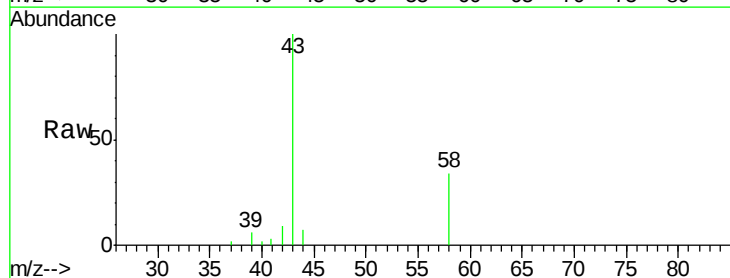
RT: 3.78 min Scan# 634

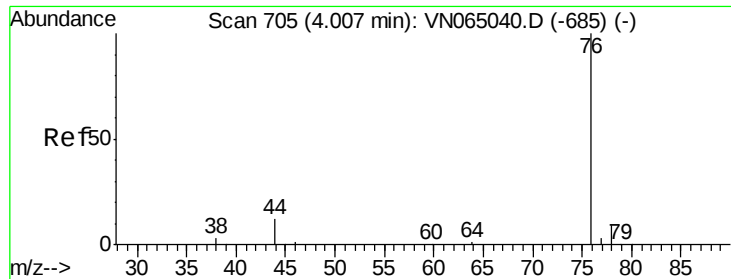
Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Tgt Ion:	43	Resp:	23505
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.8	40.2





#17

Carbon Disulfide

Concen: 5.664 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 28508

Ion Ratio Lower Upper

76 100

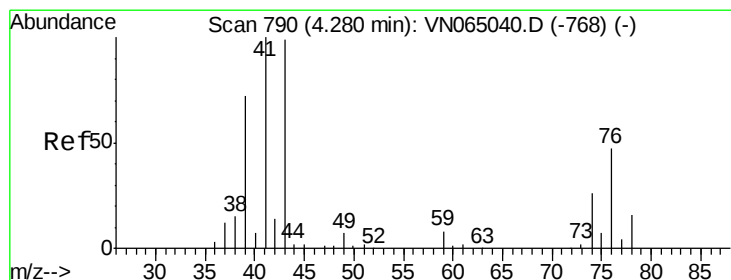
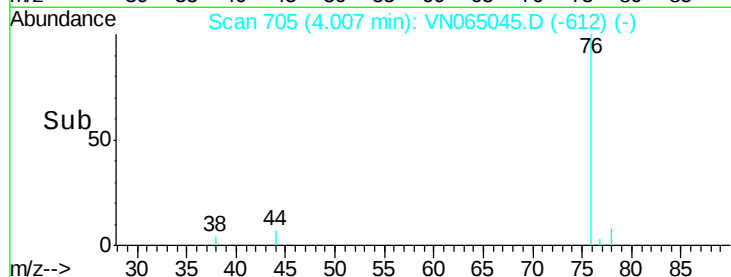
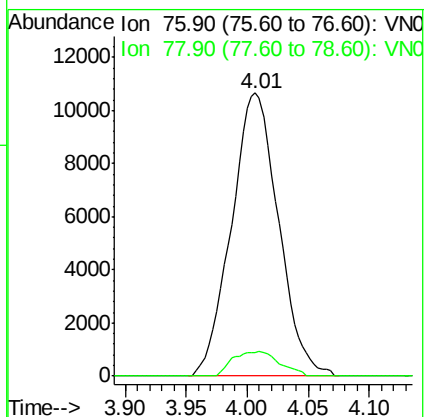
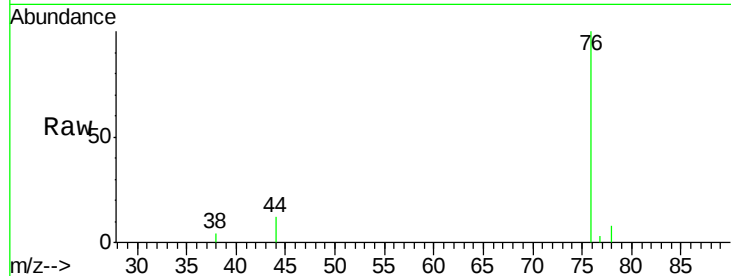
78 8.5 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 4.949 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN065045.D

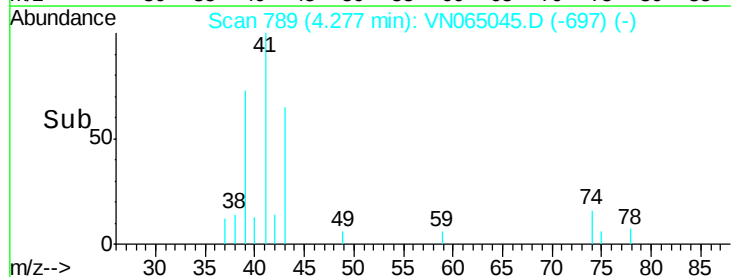
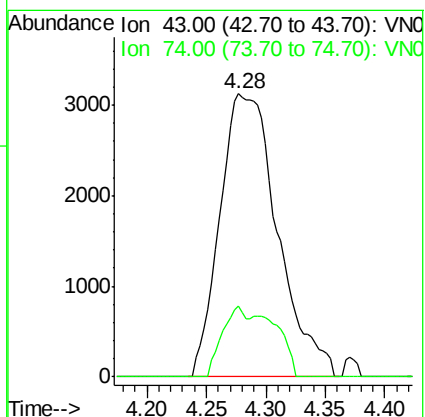
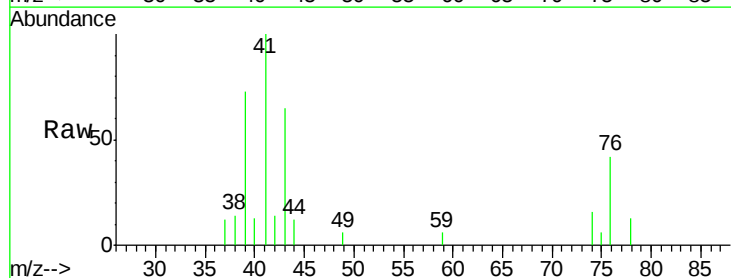
Acq: 10 Dec 2020 15:13

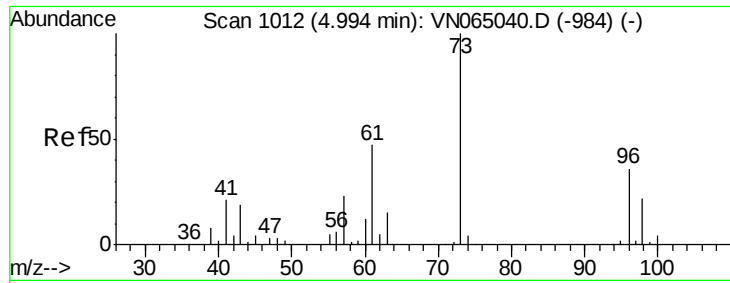
Tgt Ion: 43 Resp: 10482

Ion Ratio Lower Upper

43 100

74 11.3 20.1 30.1#





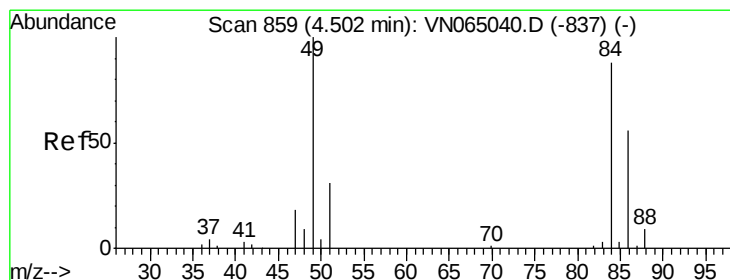
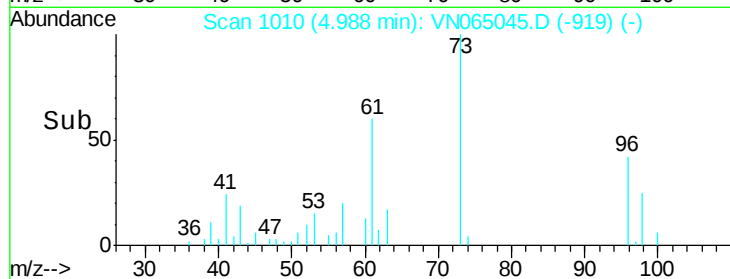
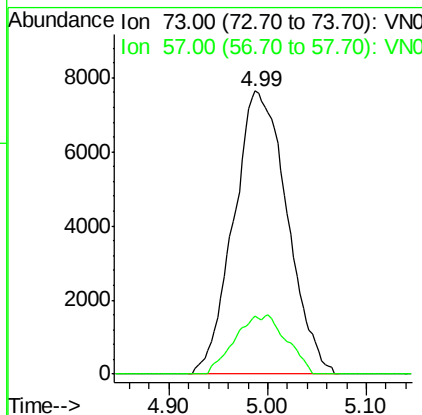
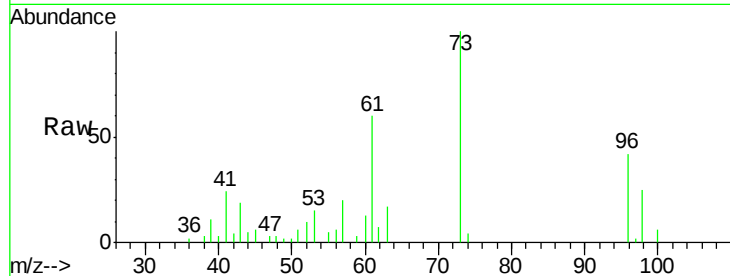
#19
Methvl tert-butvl Ether
Concen: 5.027 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 28661
Ion Ratio Lower Upper
73 100
57 20.4 18.0 27.0

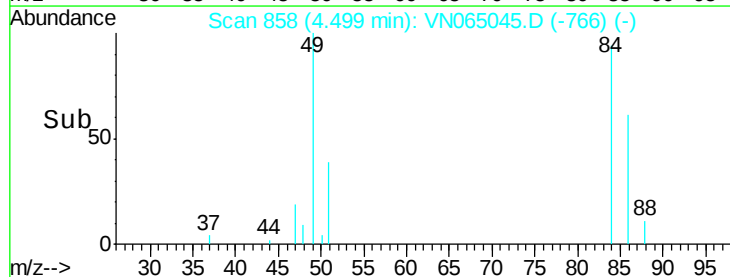
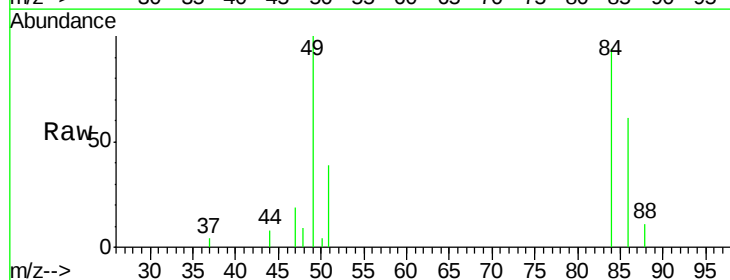
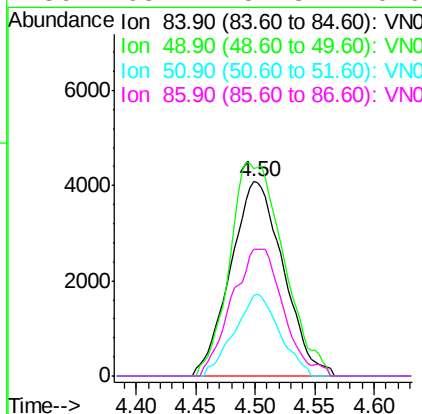
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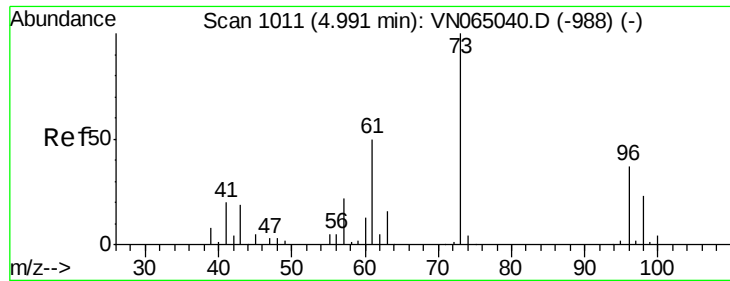
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#20
Methylene Chloride
Concen: 5.678 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion: 84 Resp: 12536
Ion Ratio Lower Upper
84 100
49 106.7 90.8 136.2
51 41.4 28.1 42.1
86 65.4 51.3 76.9





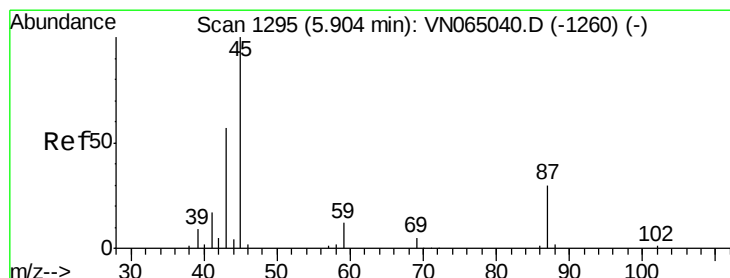
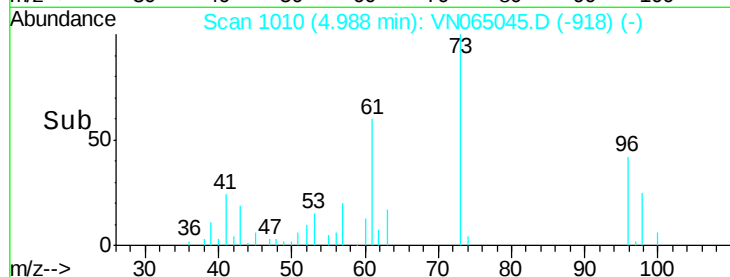
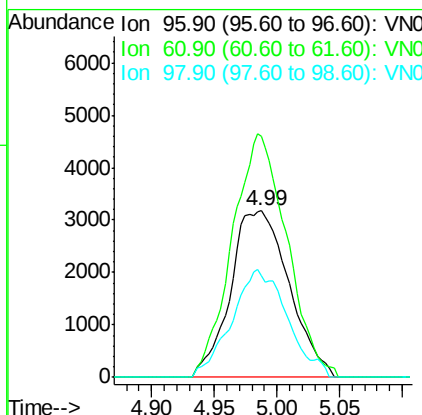
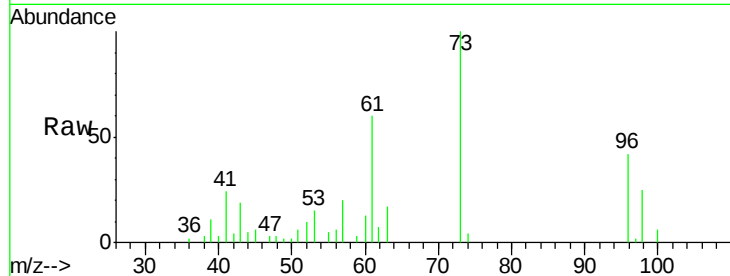
#21
trans-1,2-Dichloroethene
Concen: 5.250 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	107.1	160.7
98	60.8	49.8	74.8

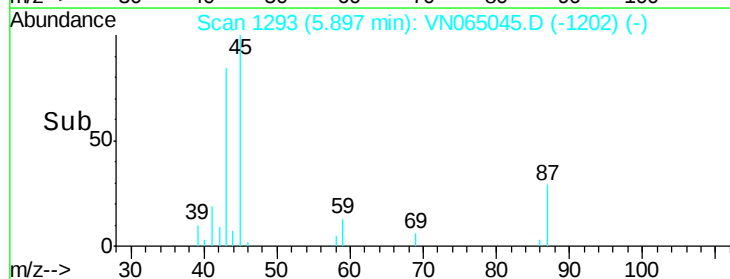
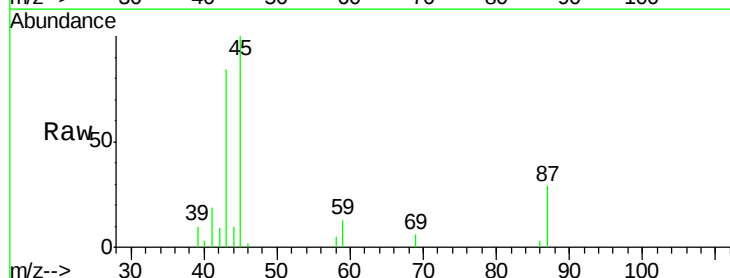
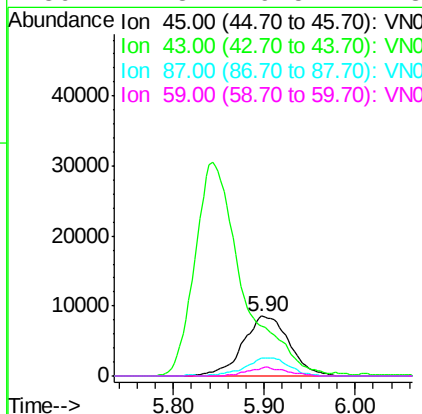
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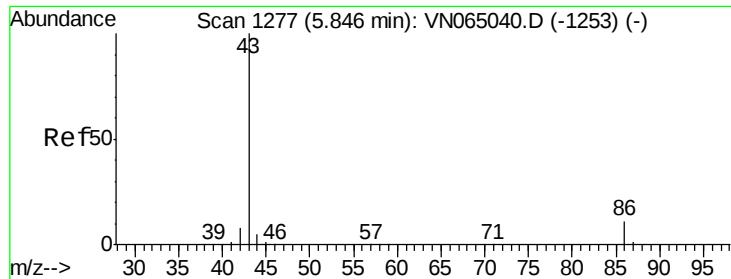
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#22
Diisopropyl ether
Concen: 5.137 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	78.9	47.9	71.9#
87	29.5	24.3	36.5
59	12.8	9.5	14.3





#23

Vinyl Acetate

Concen: 23.757 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 111131

Ion Ratio Lower Upper

43 100

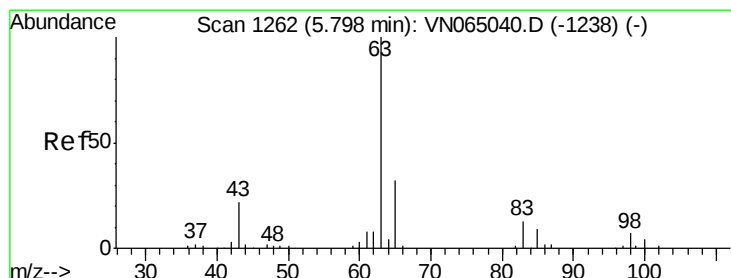
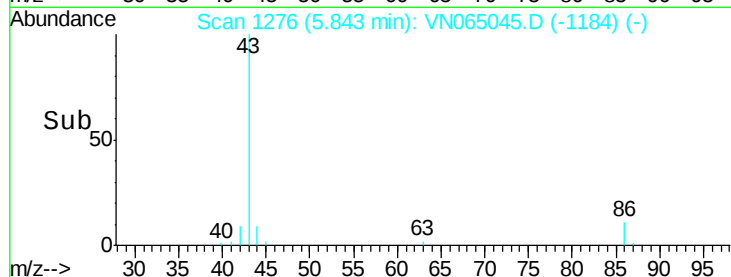
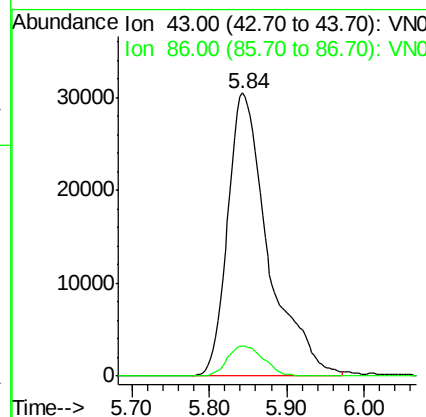
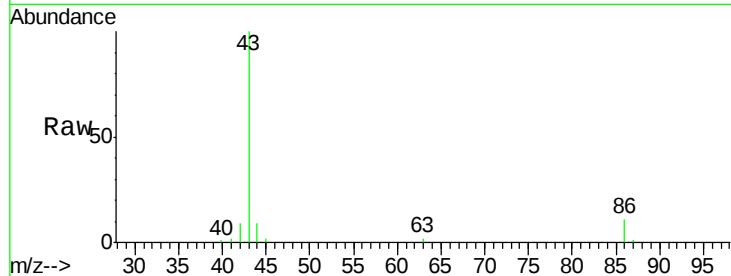
86 10.8 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.427 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

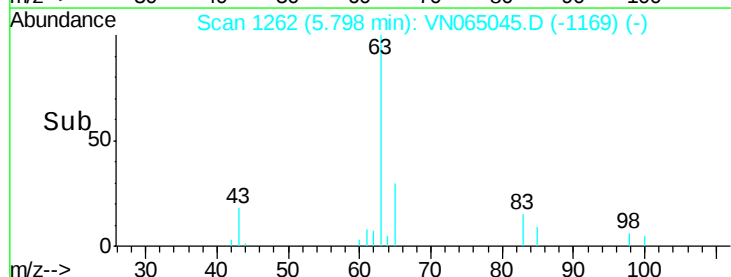
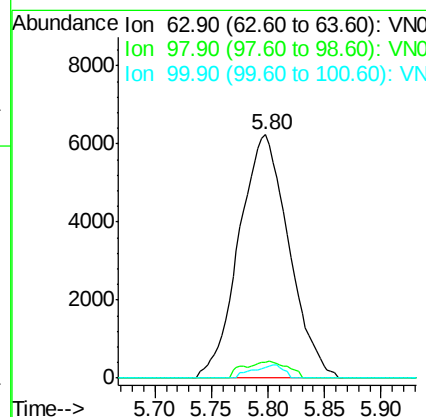
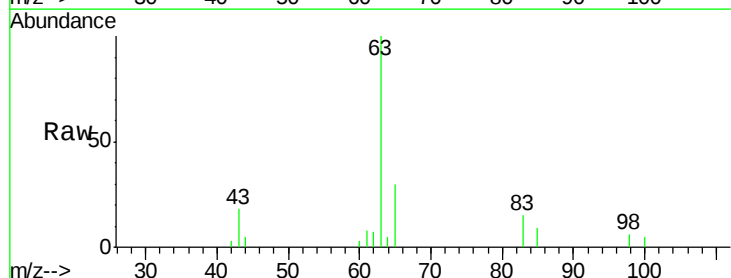
Tgt Ion: 63 Resp: 19097

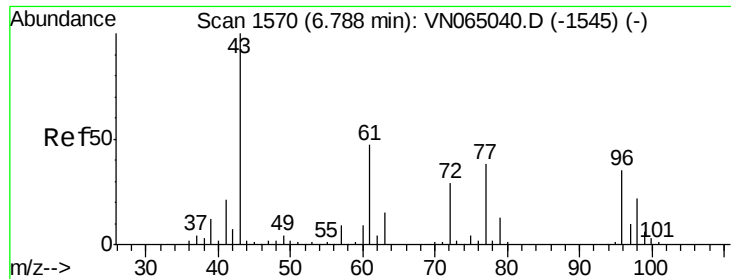
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.6 2.1 6.2





#25

2-Butanone

Concen: 25.715 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 29102

Ion Ratio Lower Upper

43 100

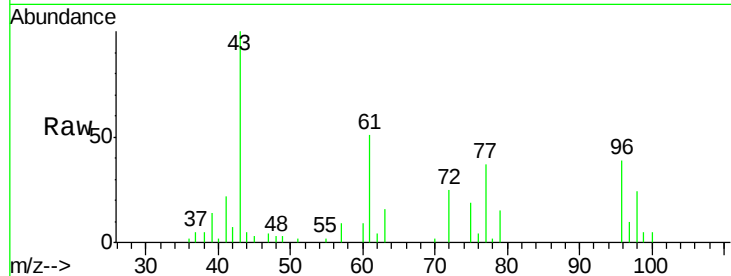
72 25.2 22.9 34.3

Manual Integrations

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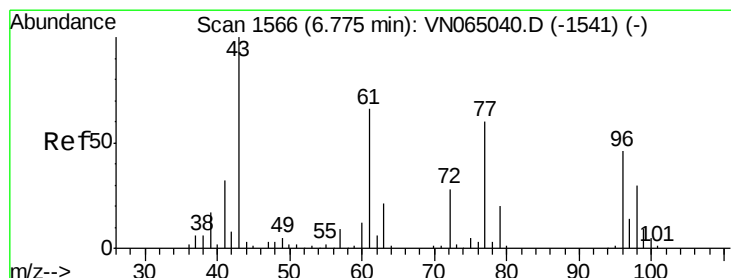
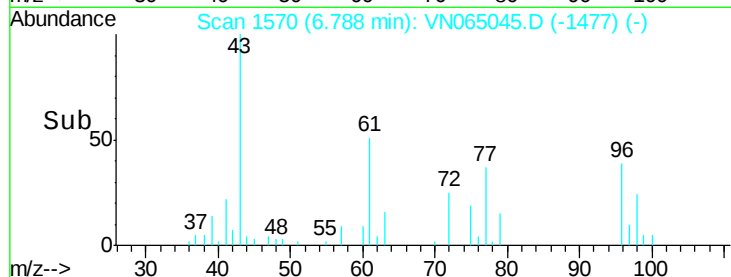
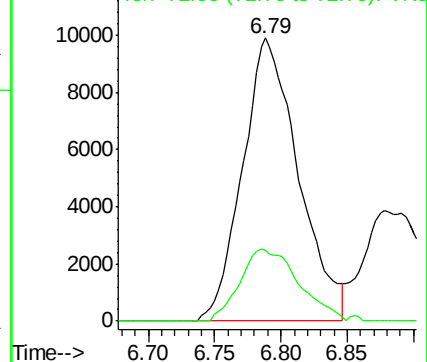
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 5.387 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN065045.D

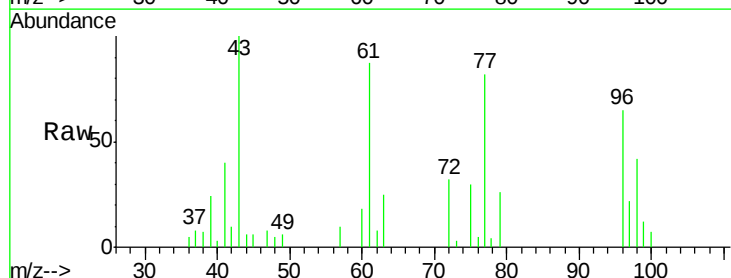
Acq: 10 Dec 2020 15:13

Tgt Ion: 77 Resp: 16433

Ion Ratio Lower Upper

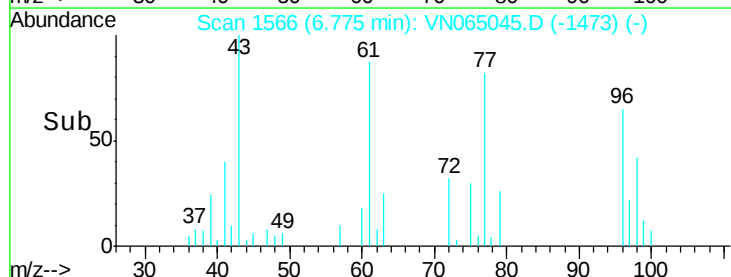
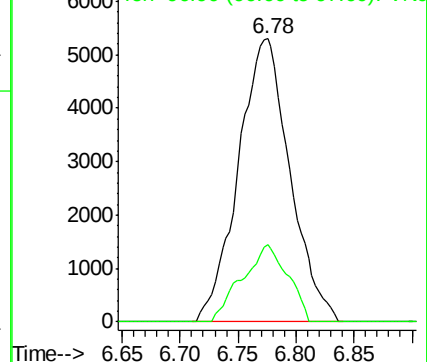
77 100

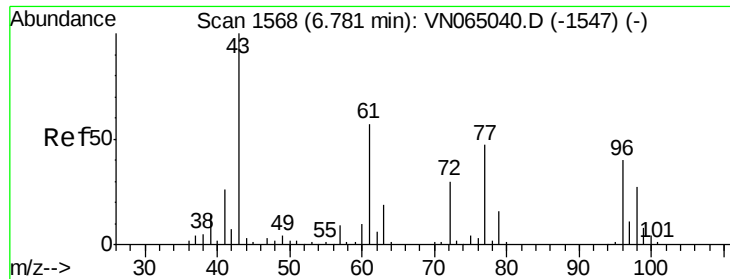
97 24.0 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.522 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 12288

Ion Ratio Lower Upper

96 100

61 138.2 0.0 283.6

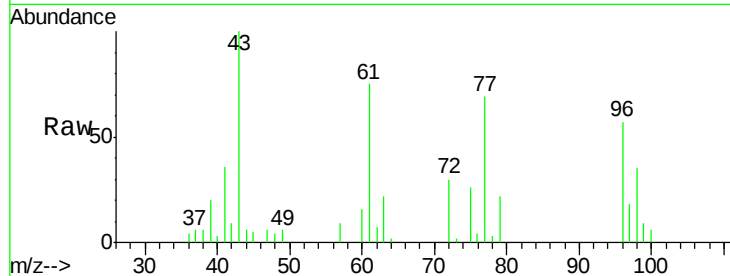
98 63.2 0.0 130.8

Manual Integrations

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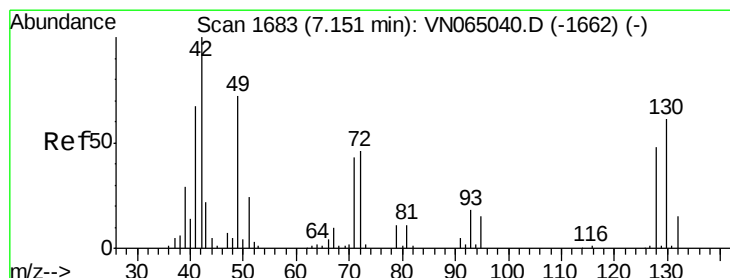
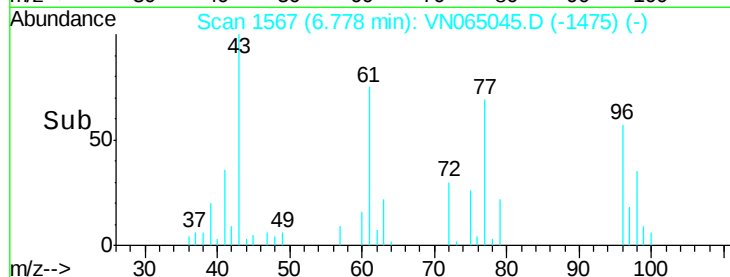
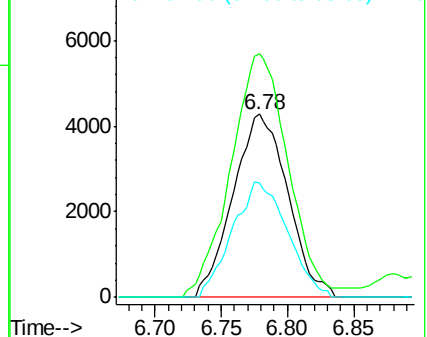
12/11/2020 12:32:39 PM



Abundance Ion 95.90 (95.60 to 96.60): VN065040.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN065040.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN065040.D (-1547) (-)



#28

Bromochloromethane

Concen: 5.473 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

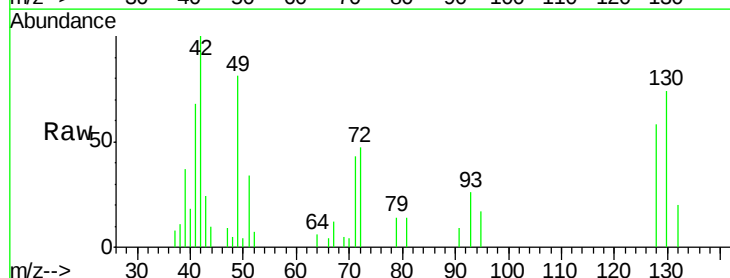
Tgt Ion: 49 Resp: 8820

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

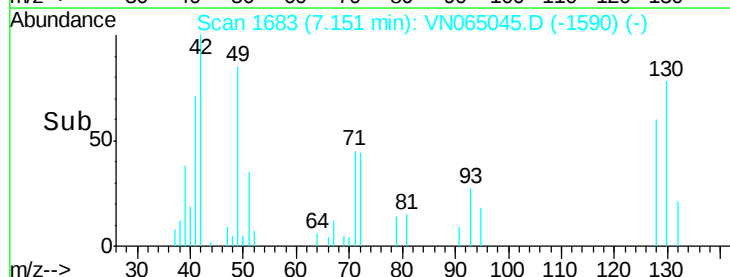
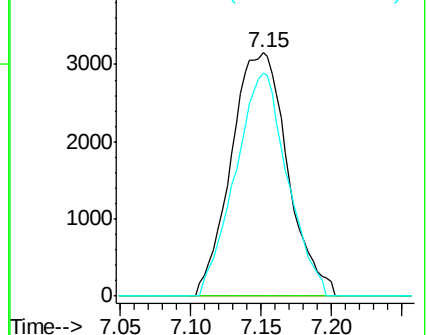
130 84.8 67.9 101.9

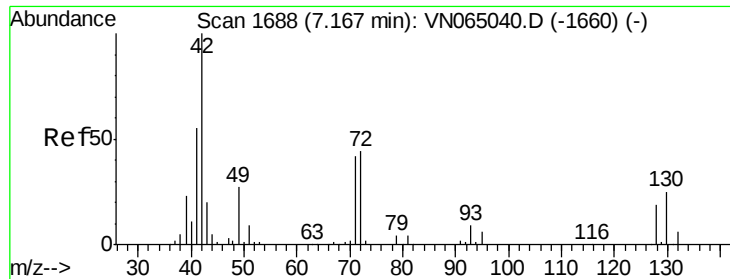


Abundance Ion 48.90 (48.60 to 49.60): VN065040.D (-1662) (-)

Ion 128.80 (128.50 to 129.50): VN065040.D (-1662) (-)

Ion 129.80 (129.50 to 130.50): VN065040.D (-1662) (-)





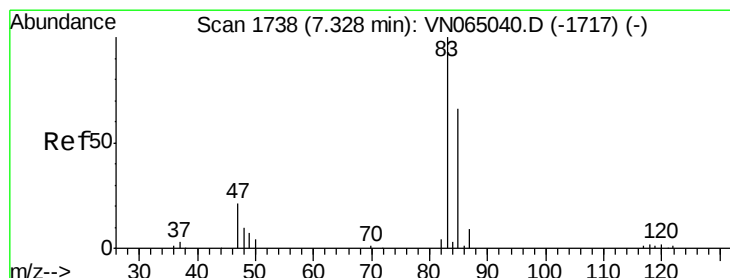
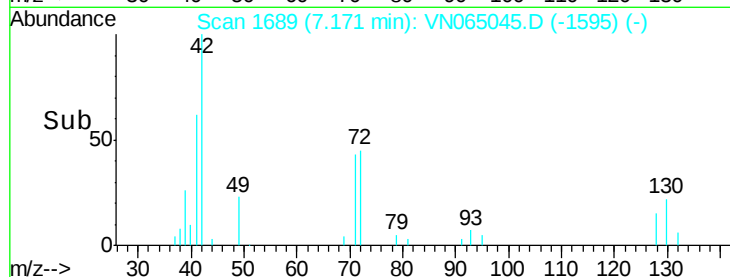
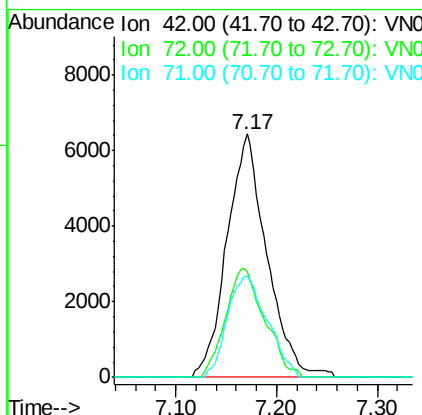
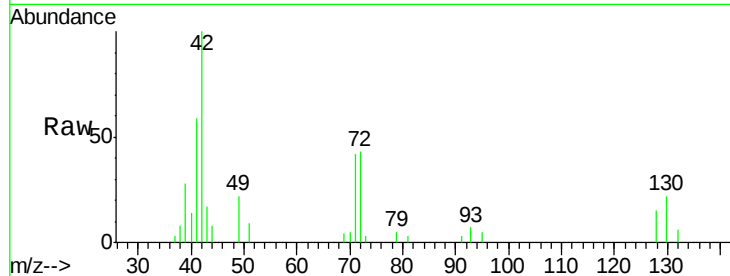
#29
Tetrahydrofuran
Concen: 22.907 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.8	53.6
71	41.6	33.5	50.3

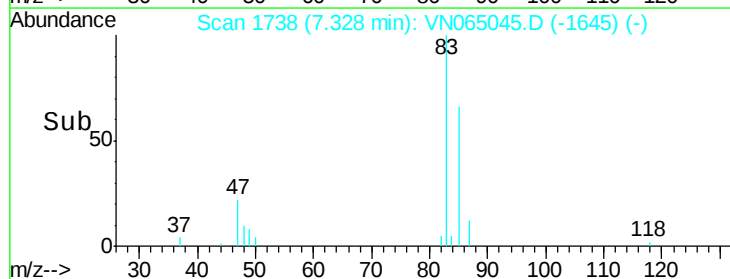
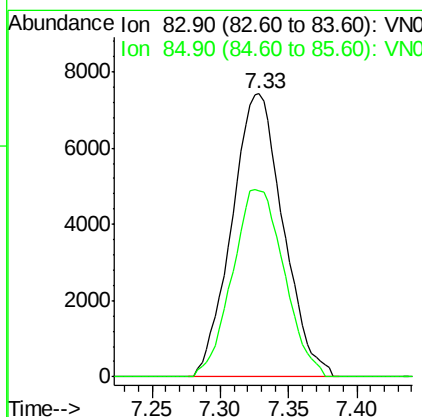
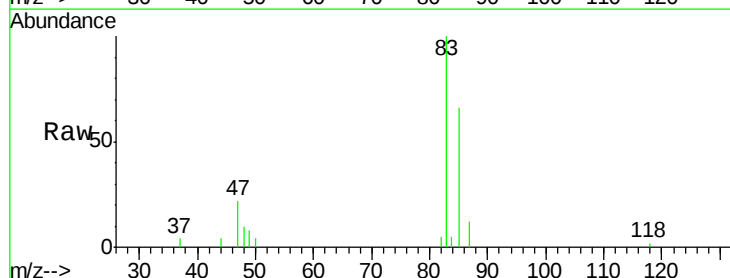
Manual Integrations
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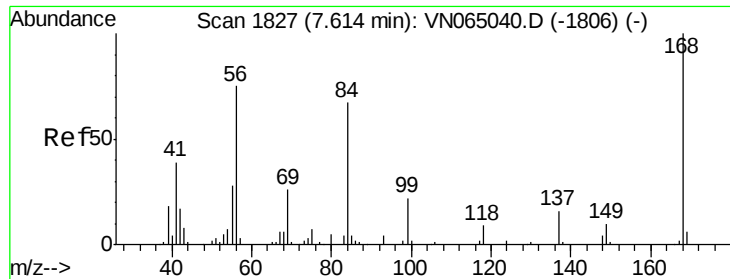
MMDadoda
12/11/2020 12:32:39 PM



#30
Chloroform
Concen: 5.324 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8





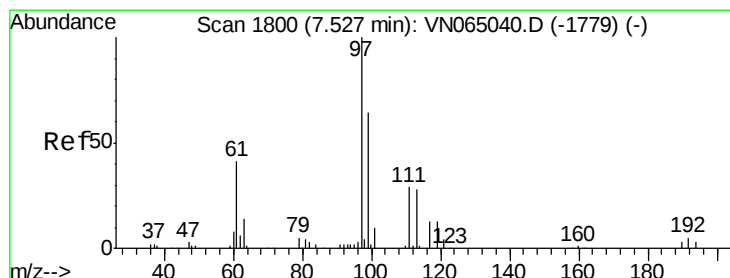
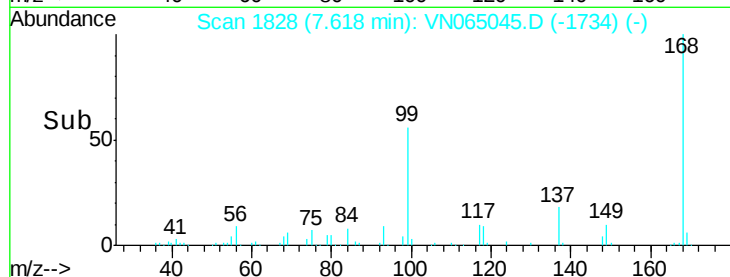
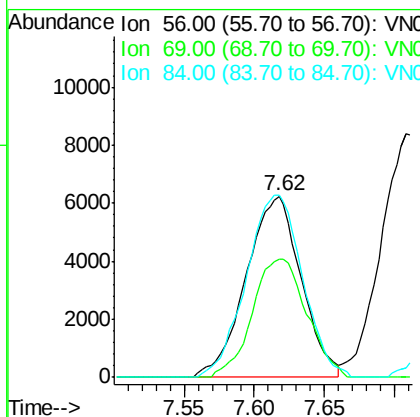
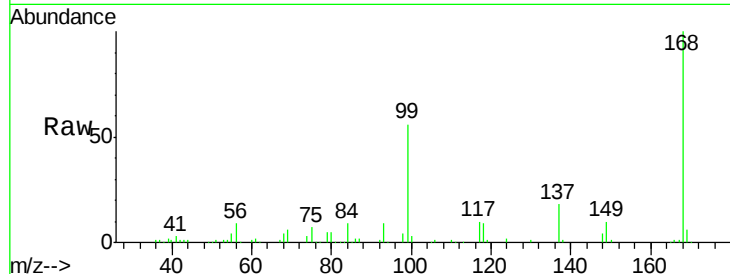
#31
Cyclohexane
Concen: 5.775 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		16936		
69	65.1	27.5	41.3#		
84	100.1	72.4	108.6		

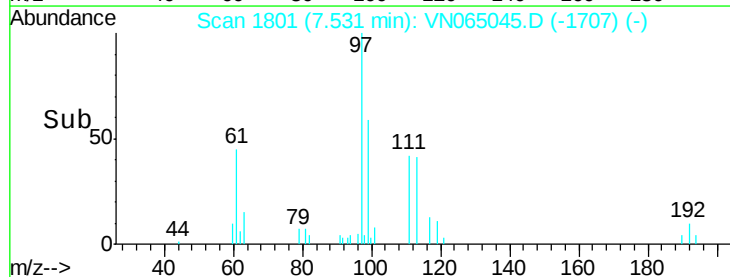
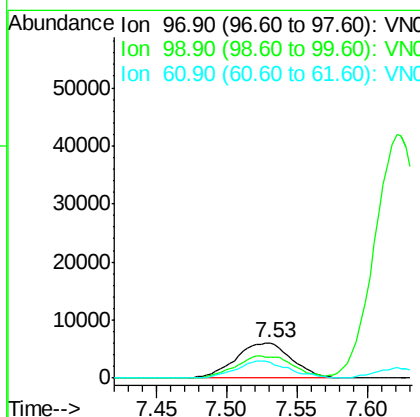
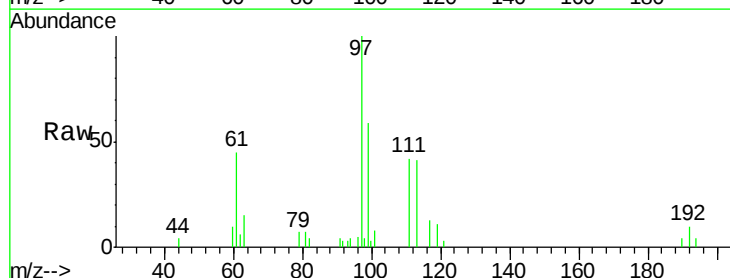
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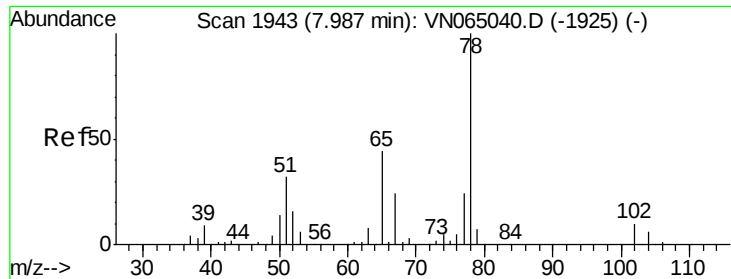
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.372 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		16770		
99	64.4	51.7	77.5		
61	44.8	33.5	50.3		





#33

1,2-Dichloroethane-d4

Concen: 5.795 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 12498

Ion Ratio Lower Upper

65 100

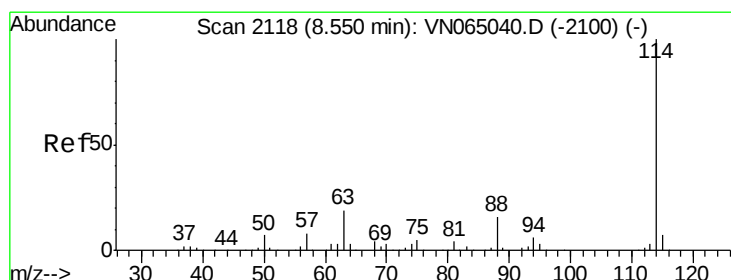
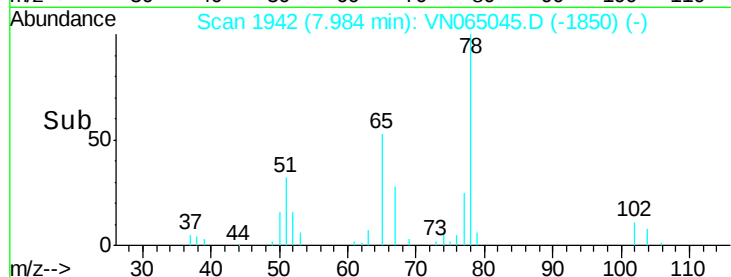
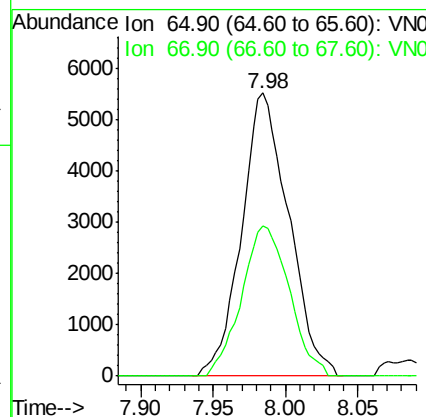
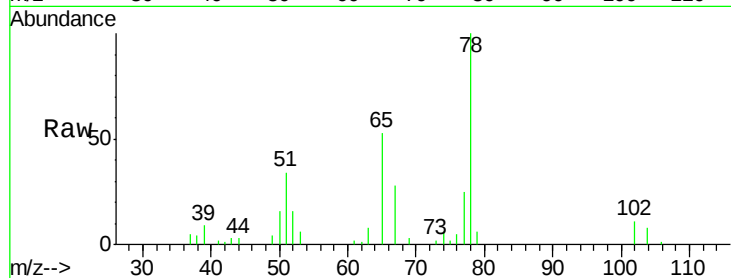
67 53.7 0.0 108.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

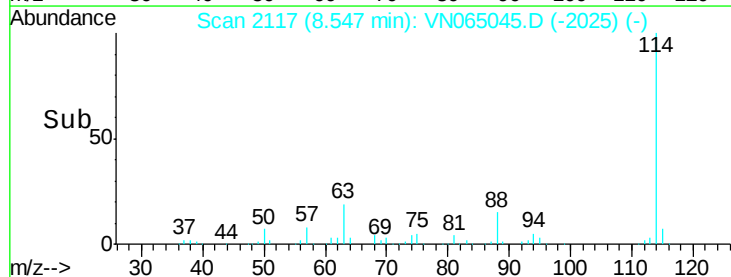
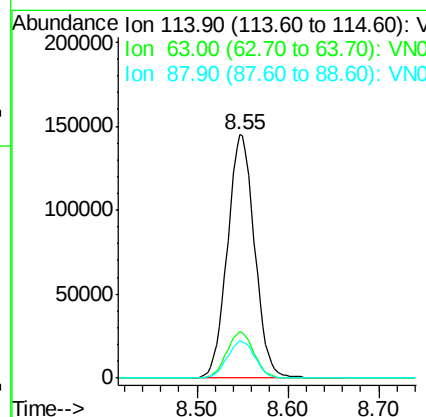
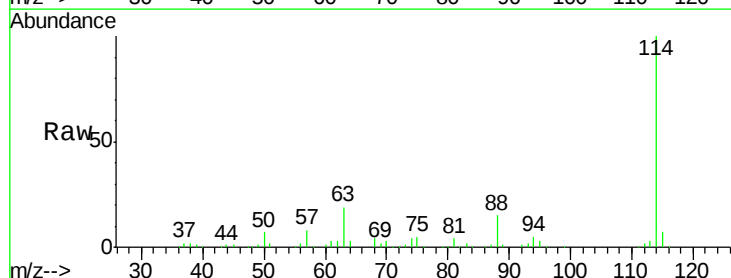
Tgt Ion: 114 Resp: 300677

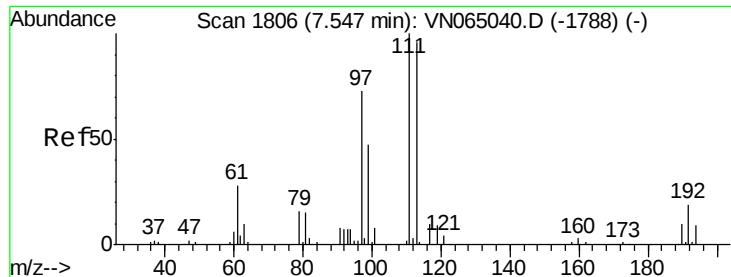
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.2

88 15.2 0.0 31.6





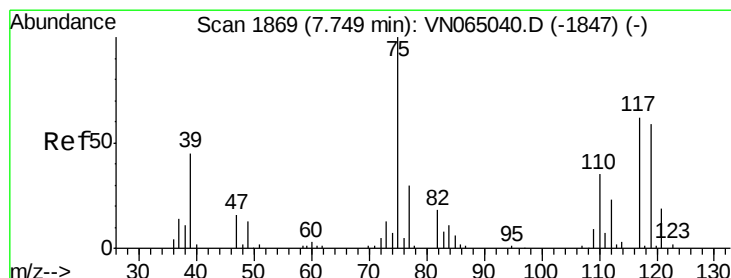
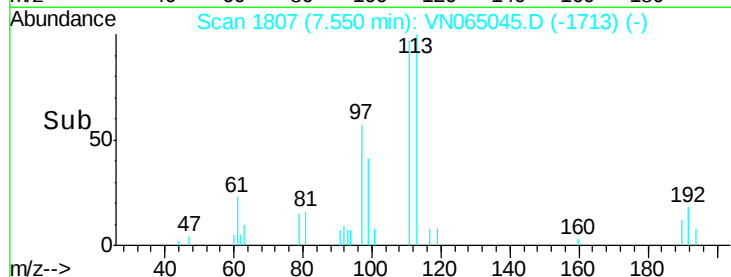
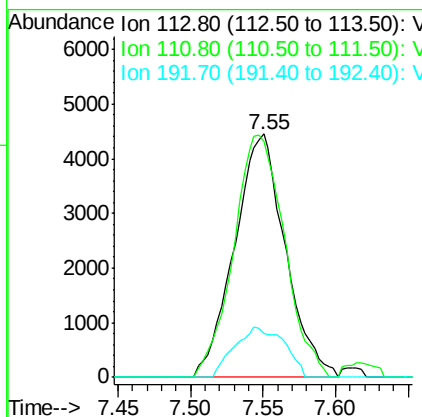
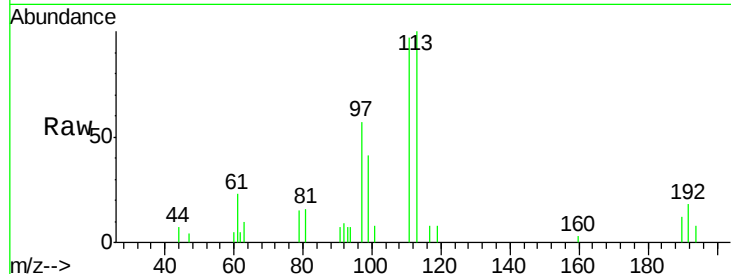
#35
Dibromofluoromethane
Concen: 5.951 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	10870		
111	99.7	83.4	125.0	
192	20.1	16.2	24.2	

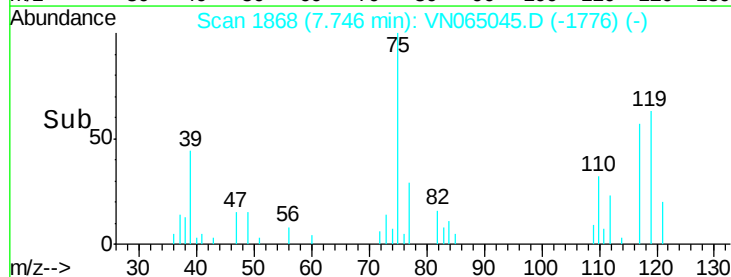
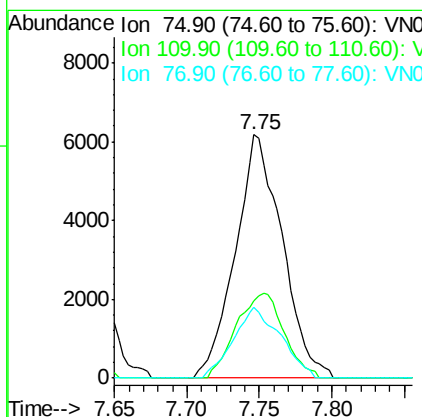
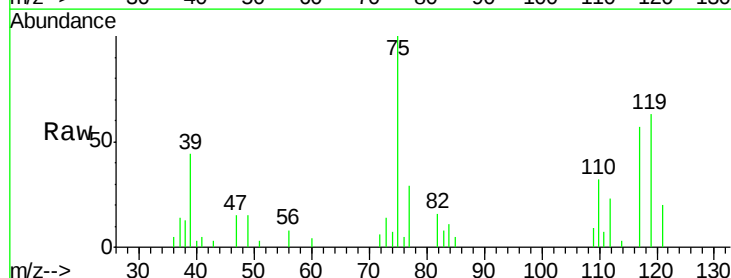
Manual Integrations
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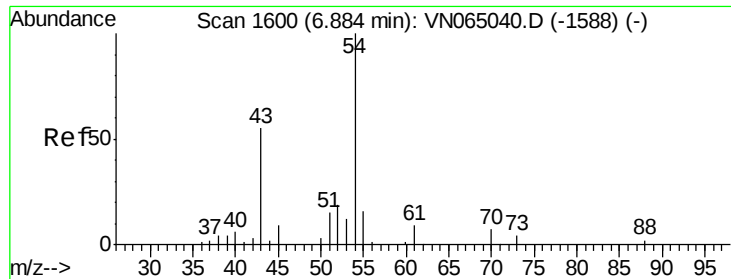
MMDadoda
12/11/2020 12:32:39 PM



#36
1,1-Dichloropropene
Concen: 5.026 ug/l
RT: 7.75 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13879		
110	35.6	18.1	54.1	
77	29.3	24.5	36.7	





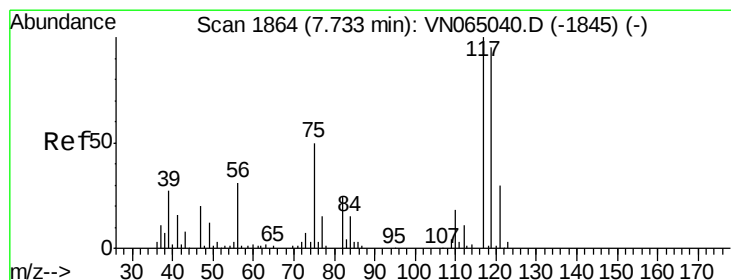
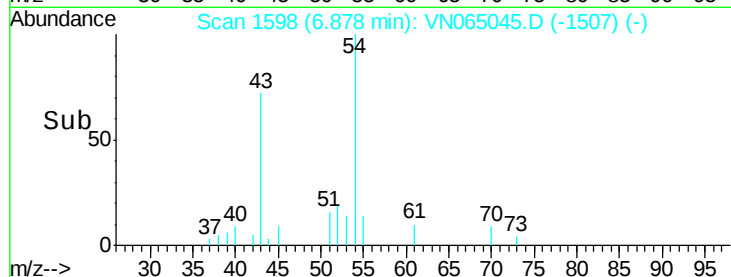
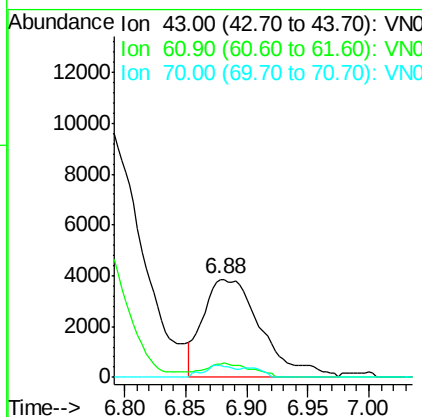
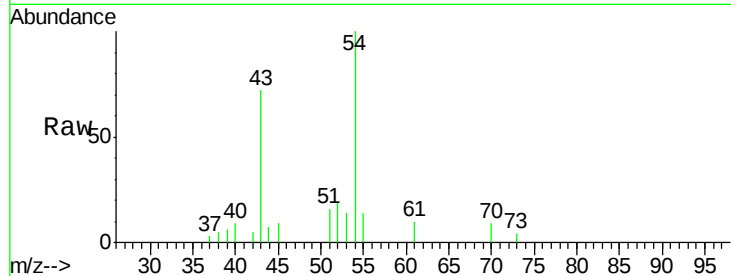
#37
Ethyl Acetate
Concen: 4.898 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	11.9	17.9#
70	6.6	9.2	13.8#

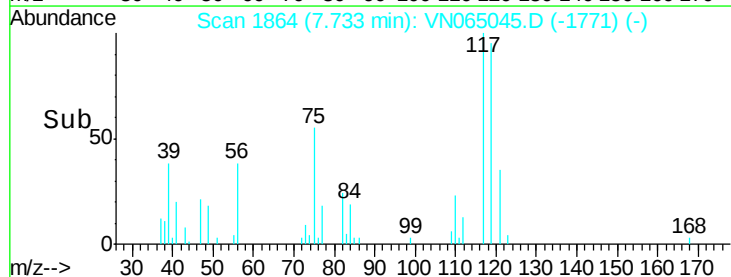
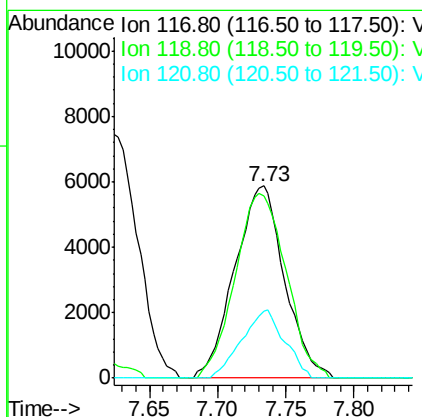
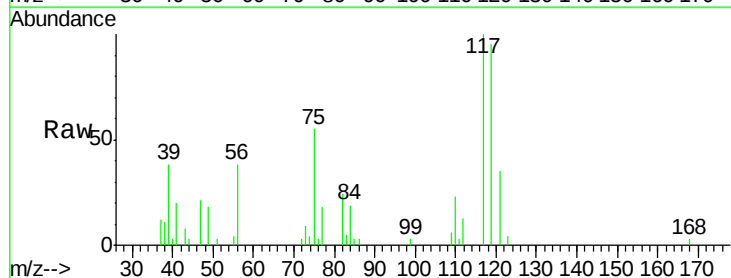
Manual Integrations
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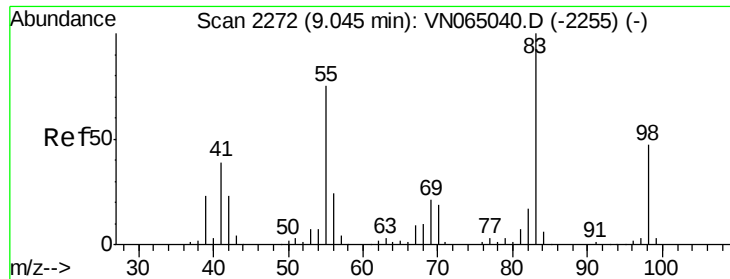
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#38
Carbon Tetrachloride
Concen: 5.179 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.9	113.9
121	35.0	24.1	36.1





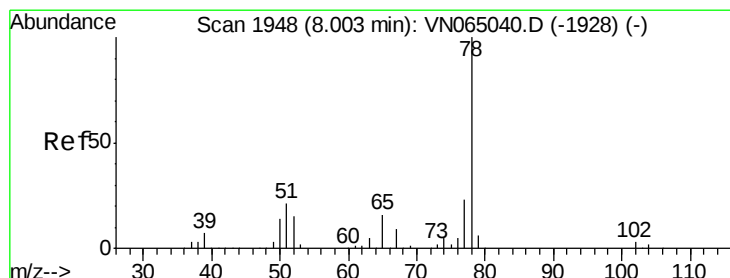
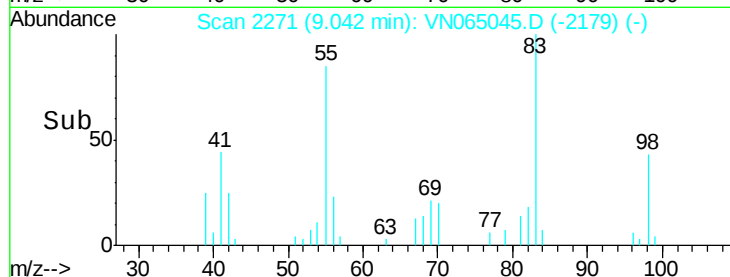
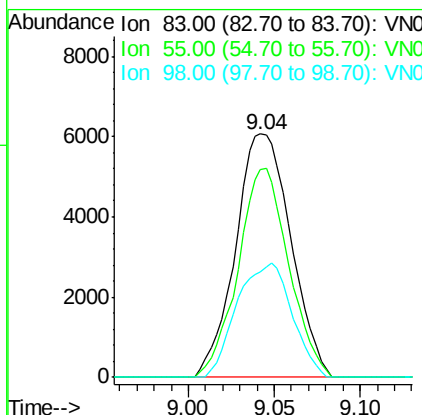
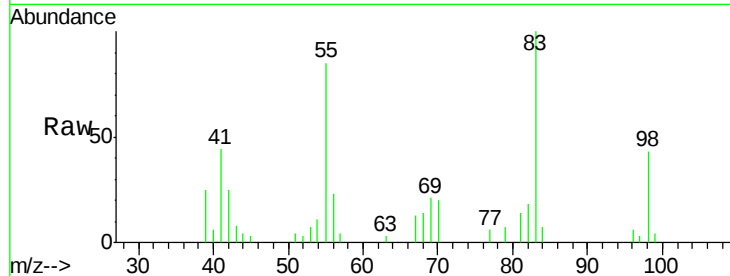
#39
Methvlcvclohexane
Concen: 4.625 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	60.3	90.5
98	43.3	37.4	56.0

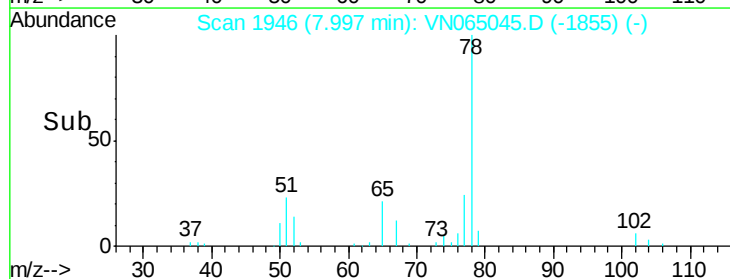
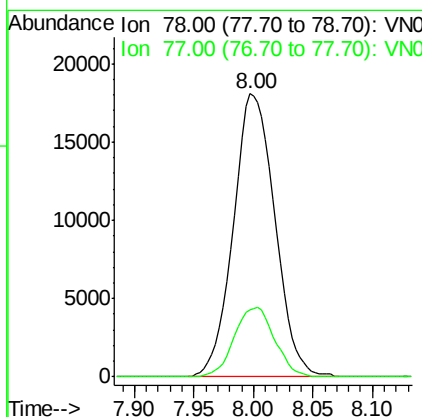
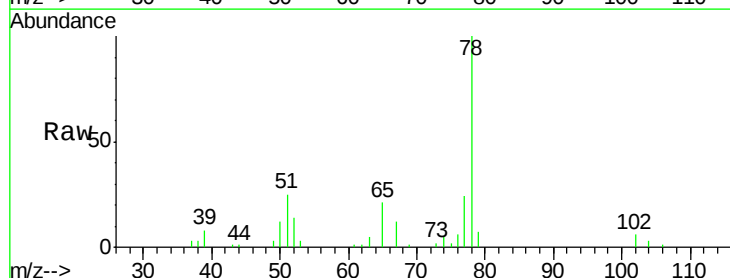
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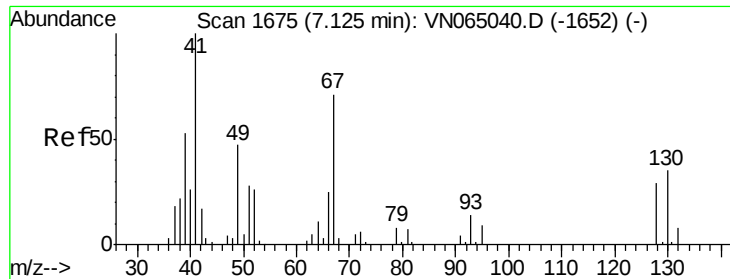
MMDadoda
12/11/2020 12:32:39 PM



#40
Benzene
Concen: 5.174 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





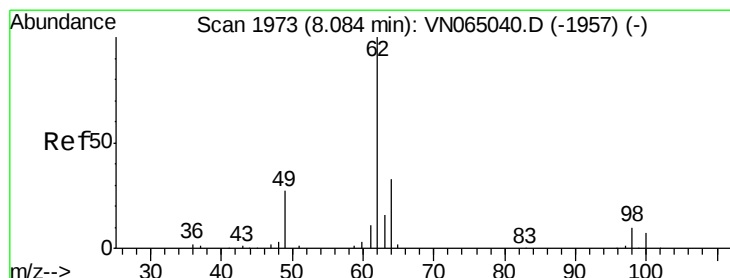
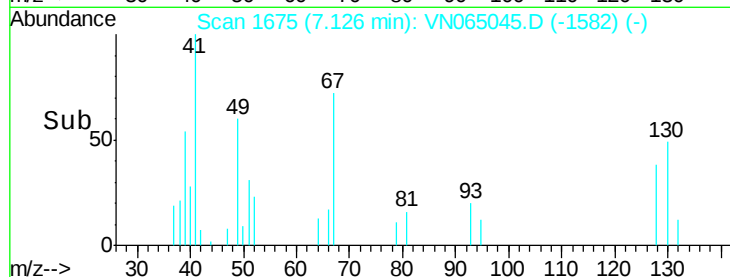
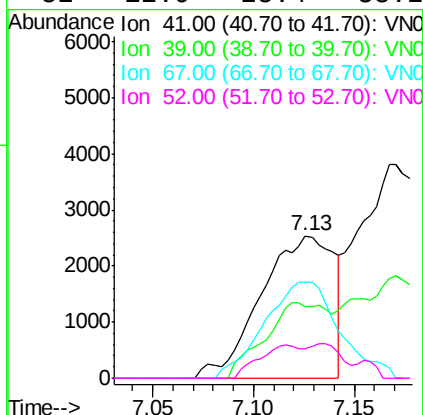
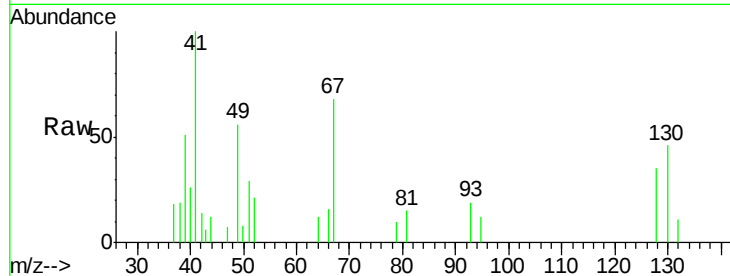
#41
Methacrylonitrile
Concen: 5.035 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.9	36.0	54.0
67	69.5	64.8	97.2
52	12.9	25.4	38.2

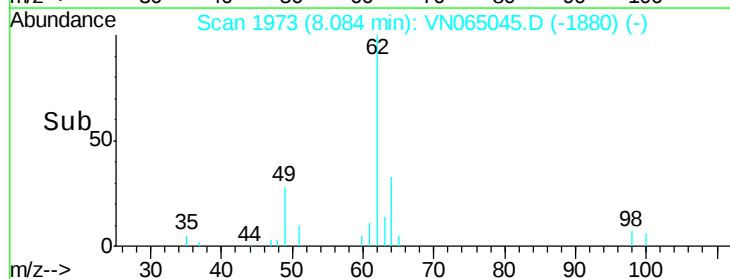
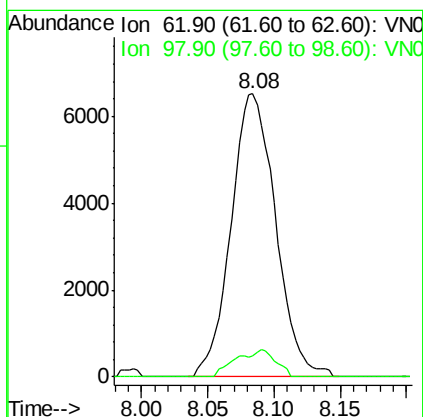
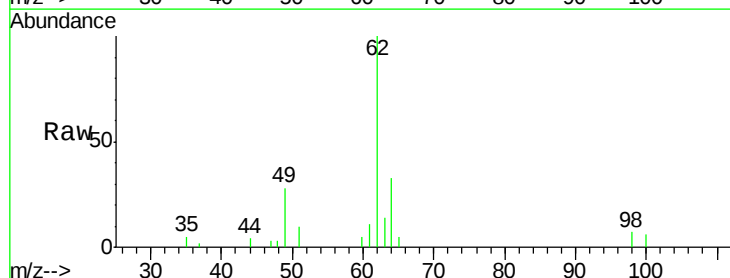
Manual Integrations
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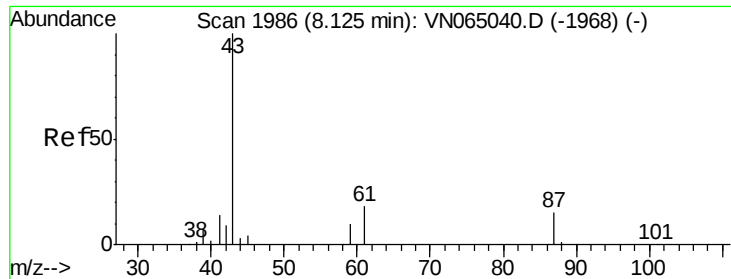
MMDadoda
12/11/2020 12:32:39 PM



#42
1,2-Dichloroethane
Concen: 5.320 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	19.8





#43

Isopropyl Acetate

Concen: 4.842 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

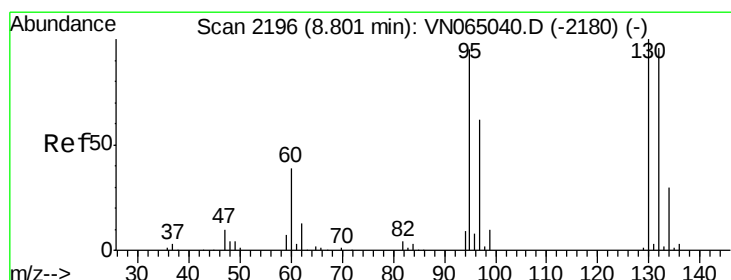
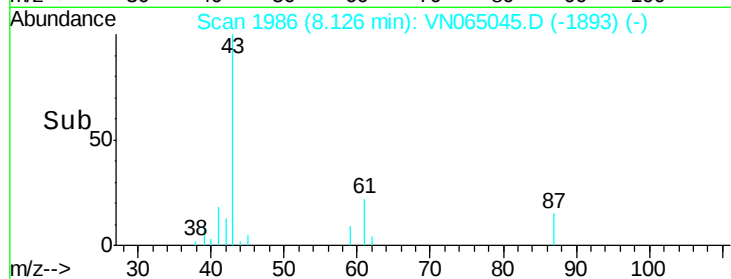
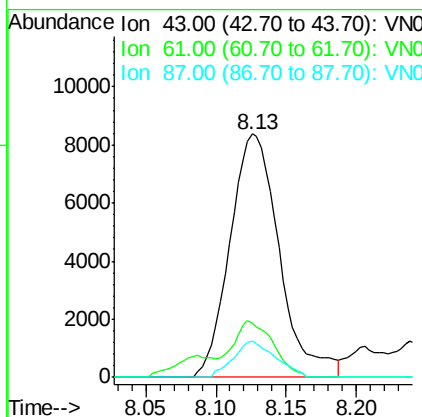
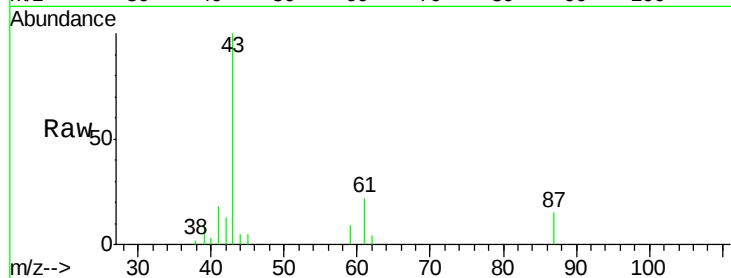
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20536
Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.9	25.3
87	12.6	11.4	17.2

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#44

Trichloroethene

Concen: 4.888 ug/l

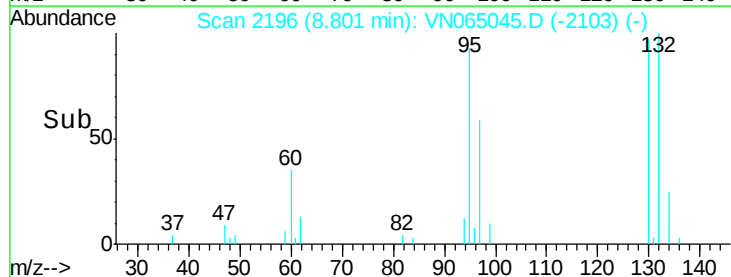
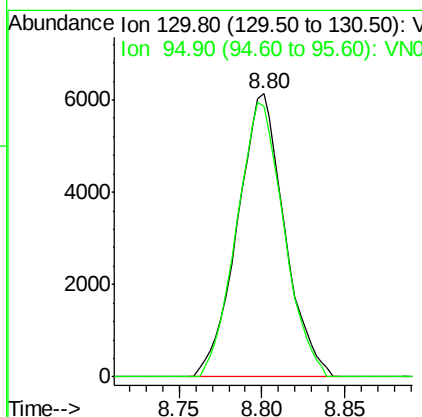
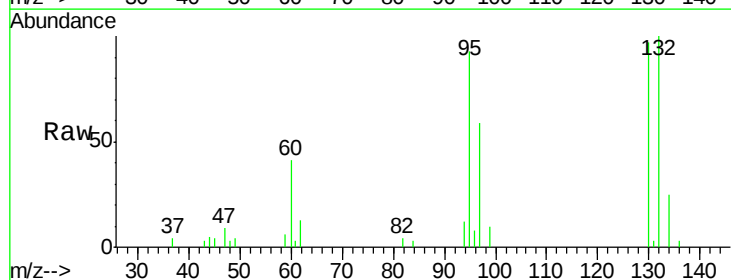
RT: 8.80 min Scan# 2196

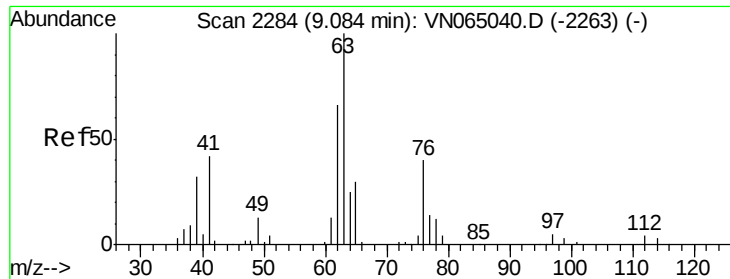
Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Tgt Ion:	130	Resp:	12154
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	190.2





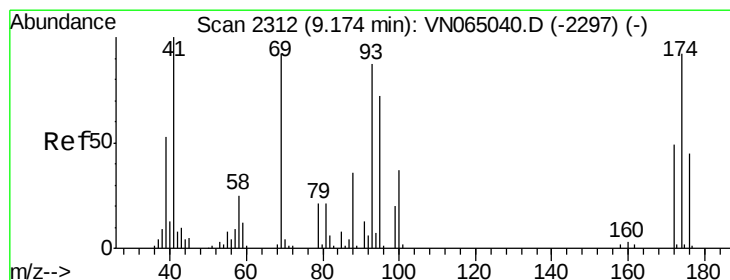
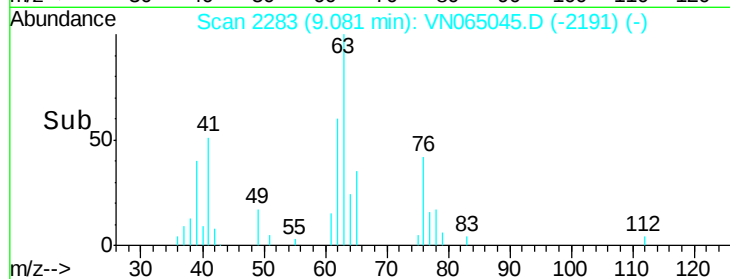
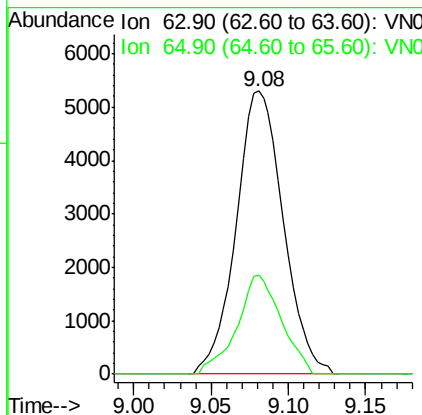
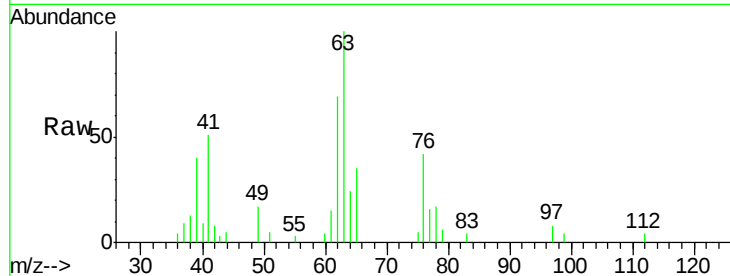
#45
 1,2-Dichloropropane
 Concen: 5.081 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.2	24.0	36.0

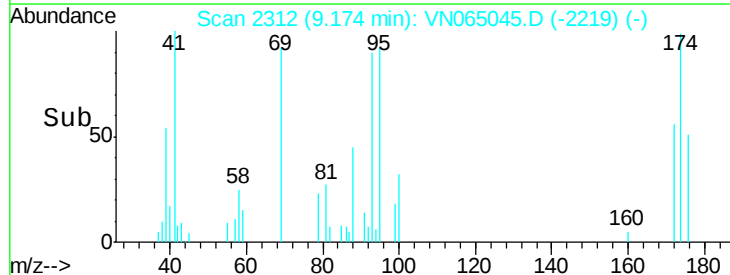
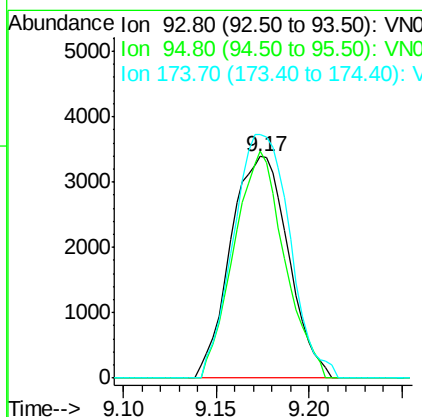
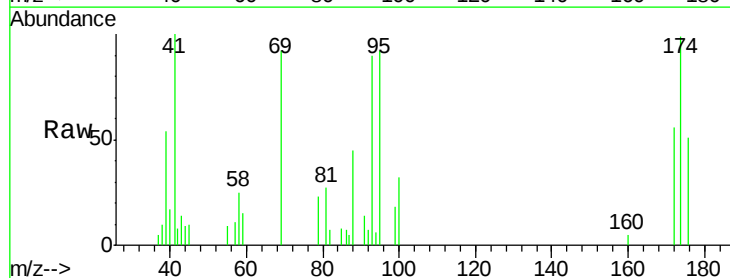
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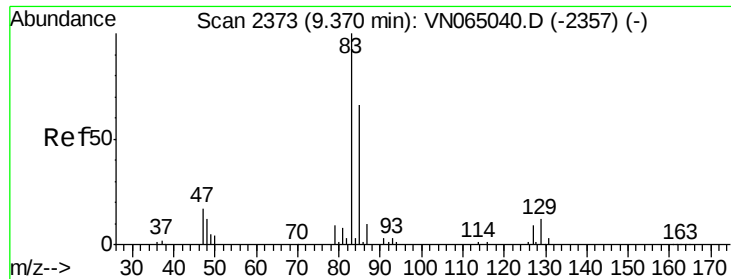
MMDadoda
 12/11/2020 12:32:39 PM



#46
 Dibromomethane
 Concen: 4.975 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	89.5	65.7	98.5
174	107.7	83.0	124.4





#47

Bromodichloromethane

Concen: 5.059 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

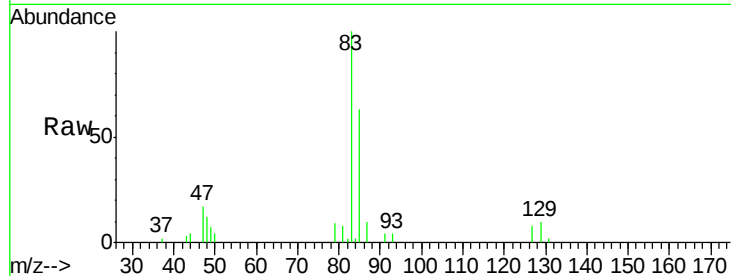
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14976
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.5	78.7
127	8.0	7.1	10.7

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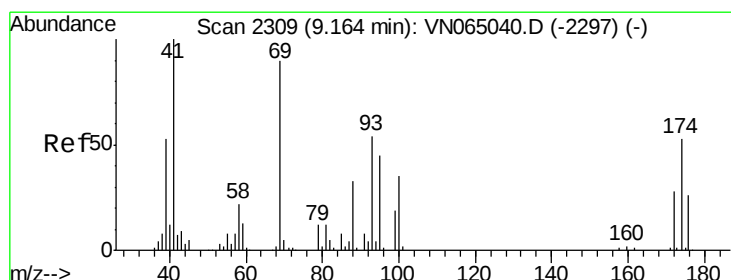
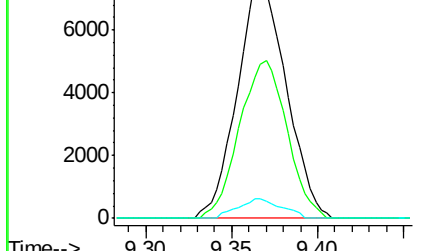
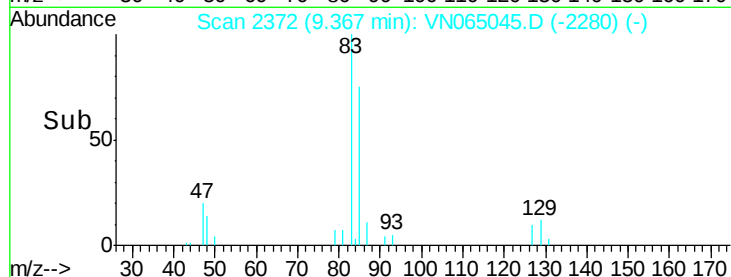


Abundance Ion 82.90 (82.60 to 83.60): VN065040.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN065040.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN065040.D (-2357) (-)

Time-->



#48

Methyl methacrylate

Concen: 4.330 ug/l

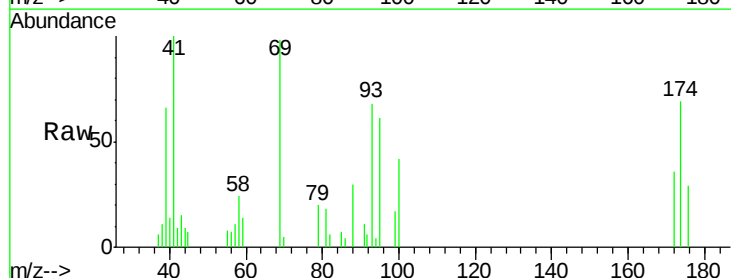
RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Tgt Ion:	41	Resp:	8773
Ion Ratio	Lower	Upper	
41	100		
69	93.6	72.1	108.1
39	60.5	43.8	65.6

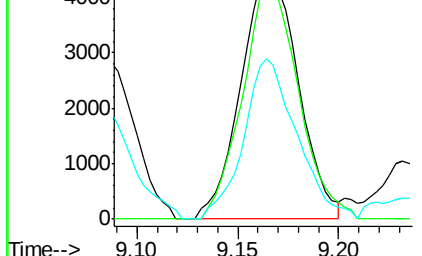
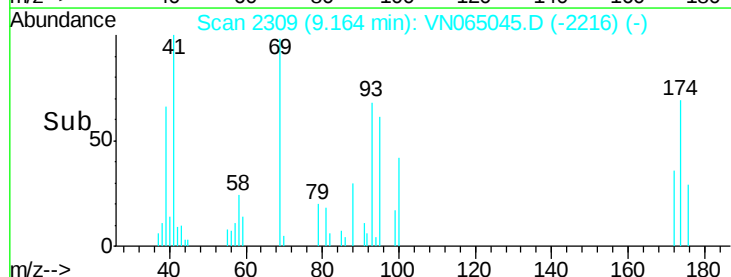


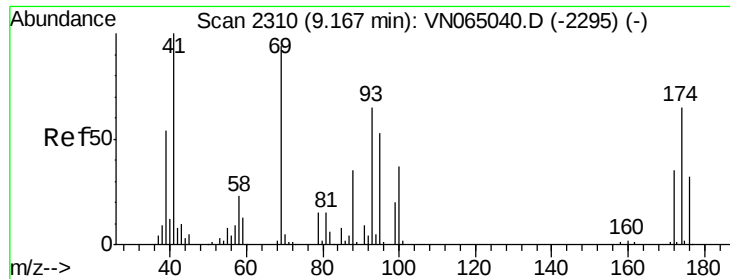
Abundance Ion 41.00 (40.70 to 41.70): VN065040.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN065040.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN065040.D (-2297) (-)

Time-->





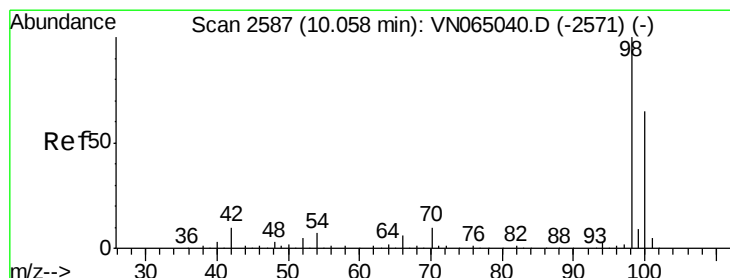
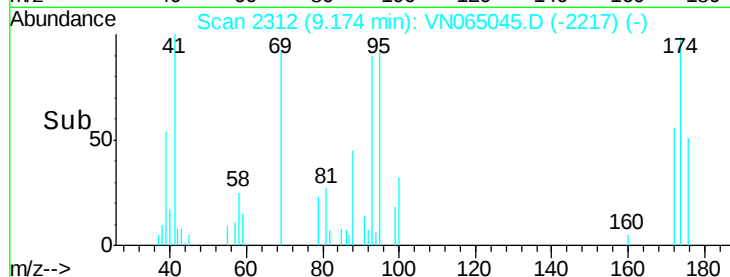
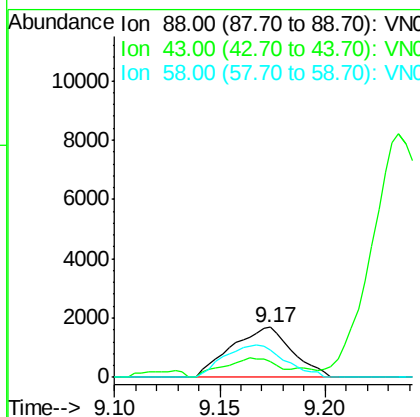
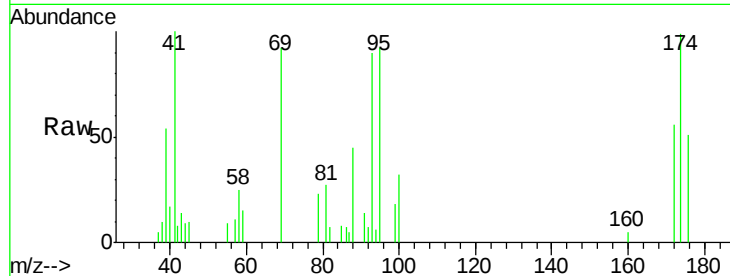
#49
1,4-Dioxane
Concen: 88.425 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 3379
Ion Ratio Lower Upper
88 100
43 34.0 21.1 31.7#
58 64.5 53.8 80.8

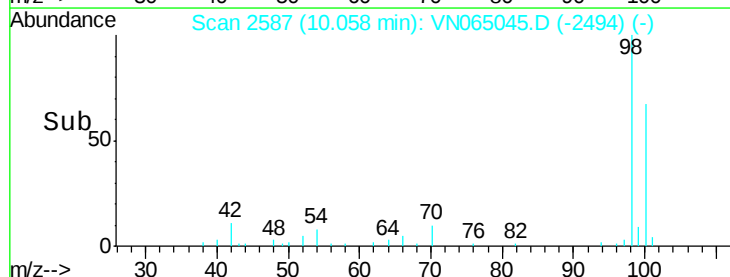
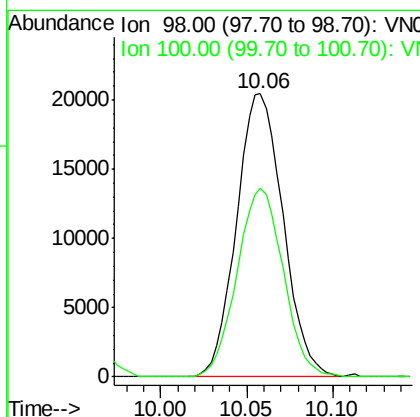
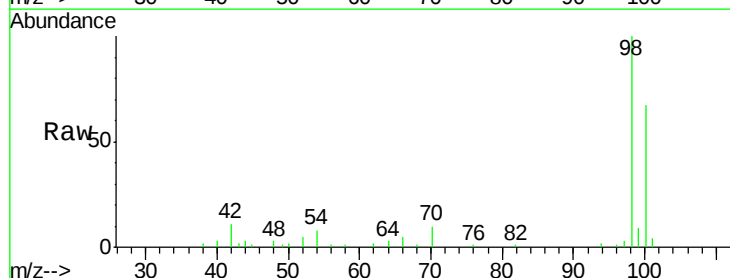
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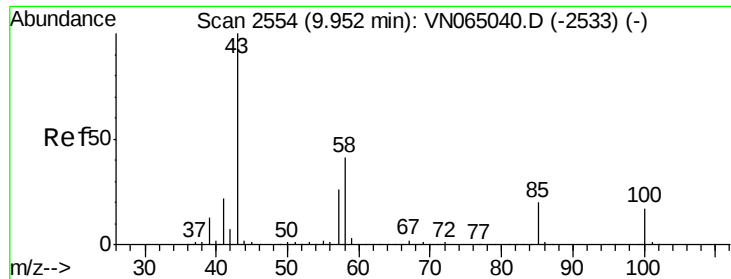
MMDadoda
12/11/2020 12:32:39 PM



#50
Toluene-d8
Concen: 5.190 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion: 98 Resp: 38339
Ion Ratio Lower Upper
98 100
100 66.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 22.649 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 57612

Ion Ratio Lower Upper

43 100

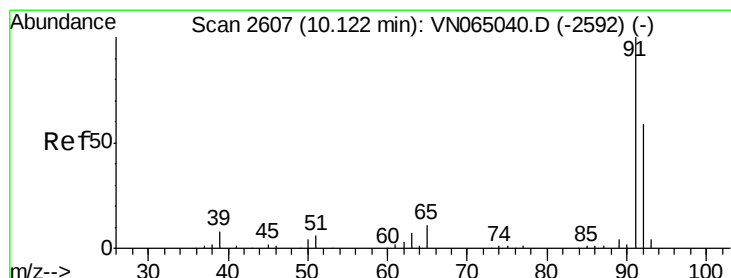
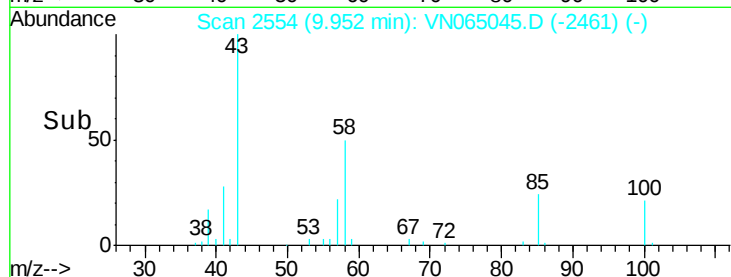
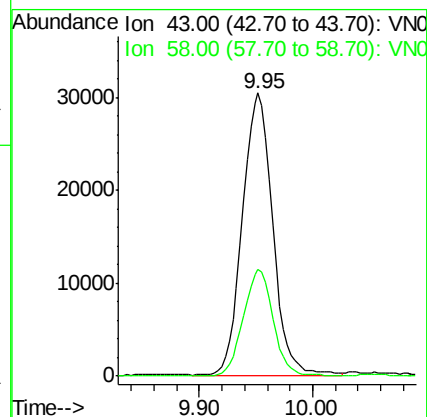
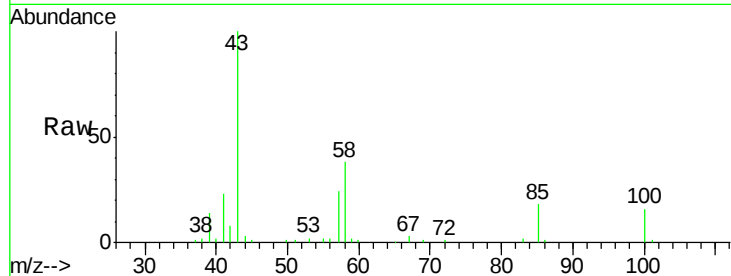
58 36.4 32.4 48.6

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#52

Toluene

Concen: 4.901 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065045.D

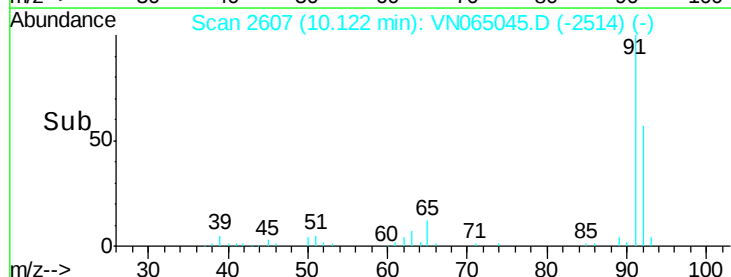
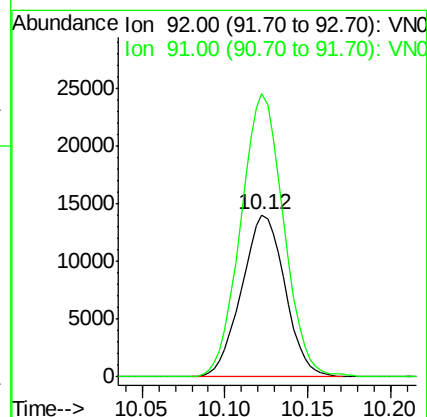
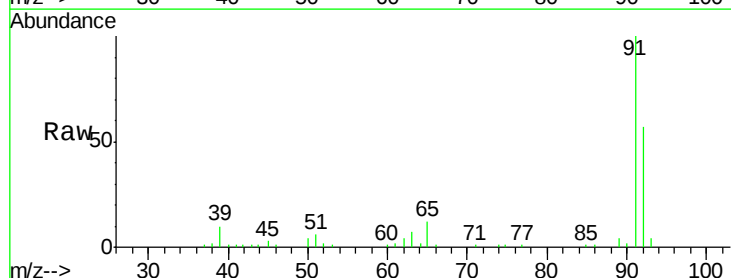
Acq: 10 Dec 2020 15:13

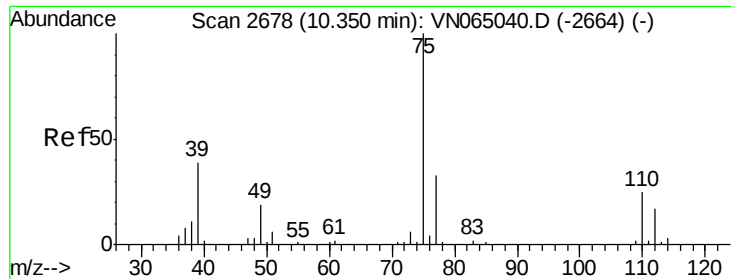
Tgt Ion: 92 Resp: 25613

Ion Ratio Lower Upper

92 100

91 172.7 137.9 206.9





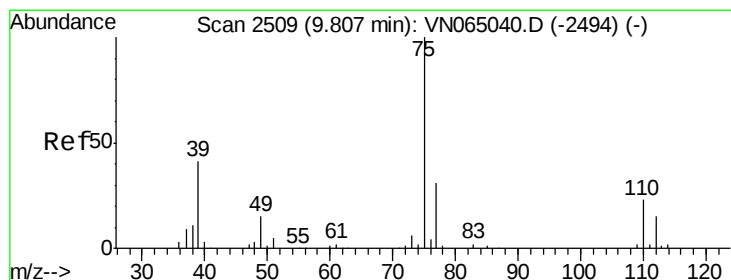
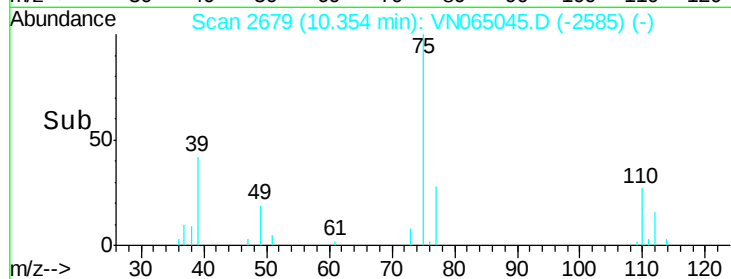
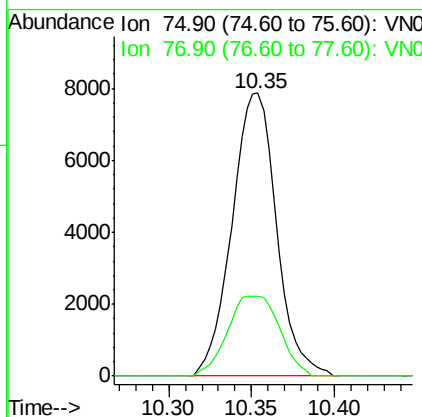
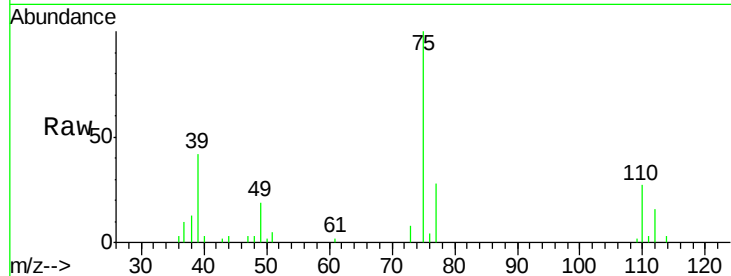
#53
t-1,3-Dichloropropene
Concen: 4.481 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 14705
Ion Ratio Lower Upper
75 100
77 28.3 26.0 39.0

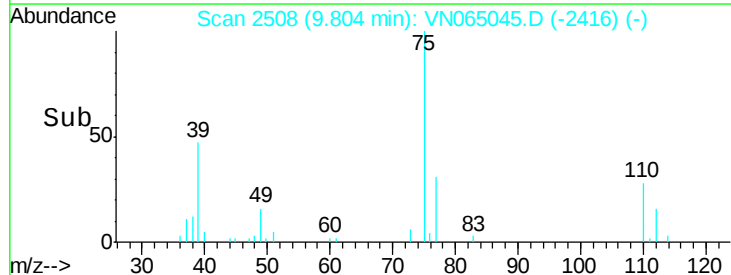
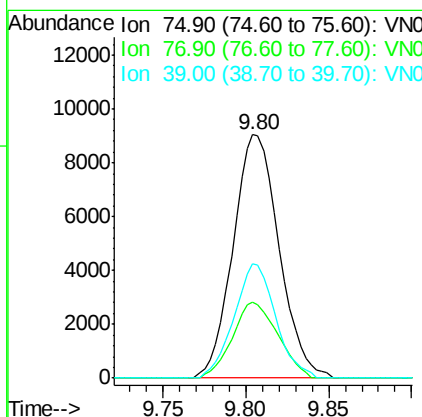
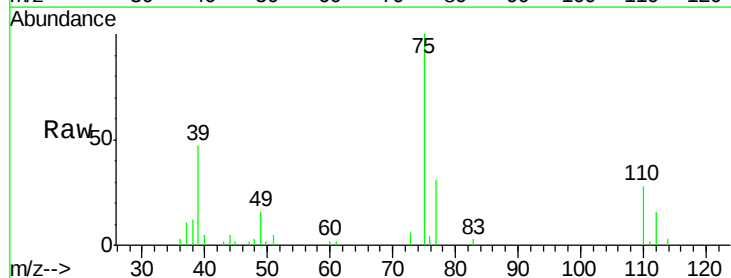
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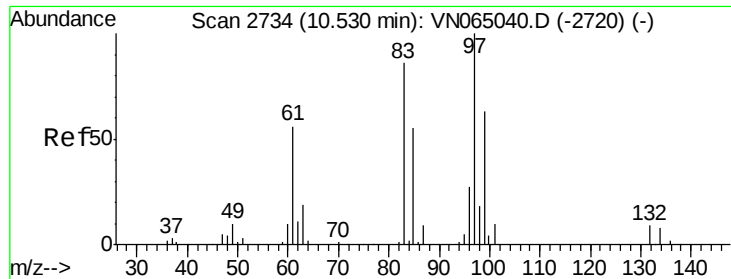
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#54
cis-1,3-Dichloropropene
Concen: 4.940 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion: 75 Resp: 17417
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 47.1 33.0 49.4





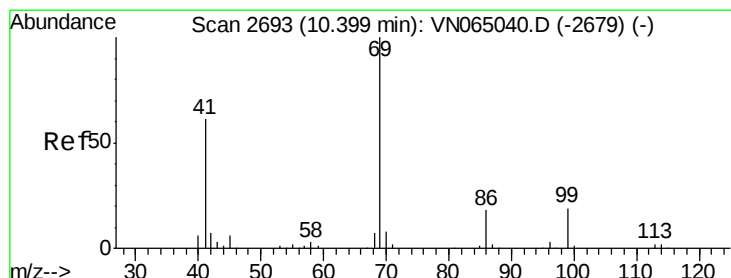
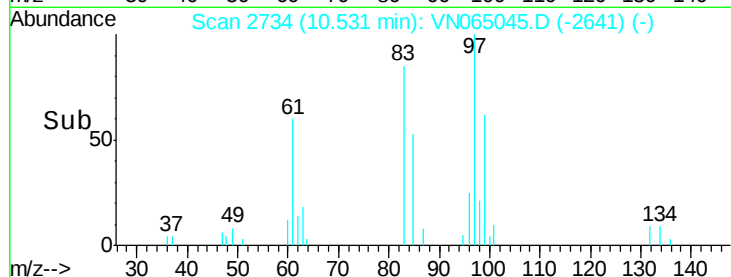
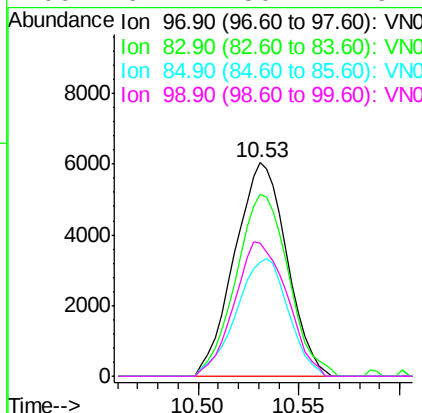
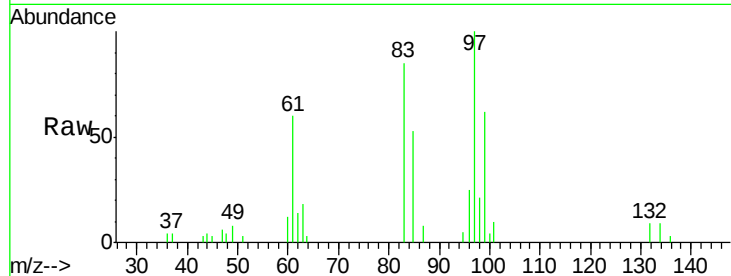
#55
1,1,2-Trichloroethane
Concen: 5.063 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	97	Resp:	10953
Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.0	103.6
85	53.5	43.6	65.4
99	62.4	50.1	75.1

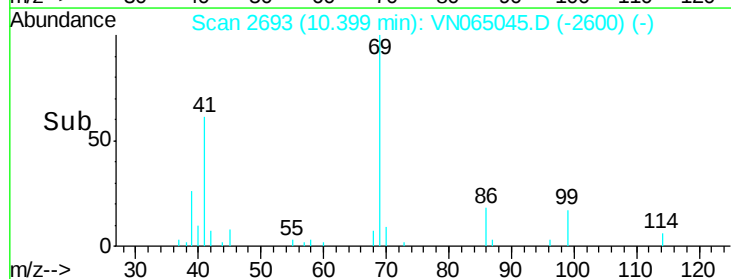
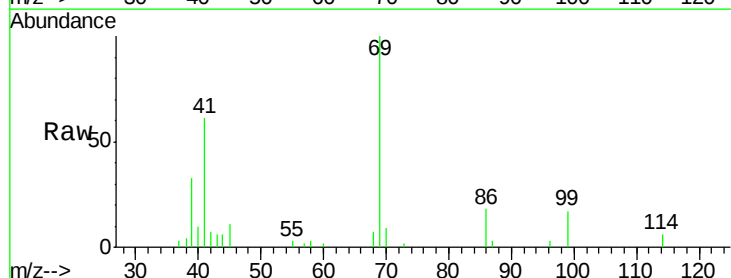
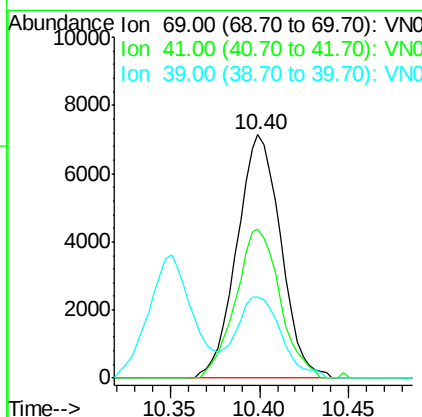
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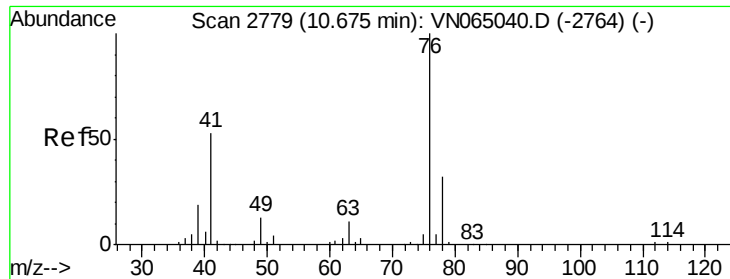
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#56
Ethyl methacrylate
Concen: 4.175 ug/l
RT: 10.40 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion:	69	Resp:	12246
Ion	Ratio	Lower	Upper
69	100		
41	61.6	48.2	72.2
39	34.9	24.7	37.1





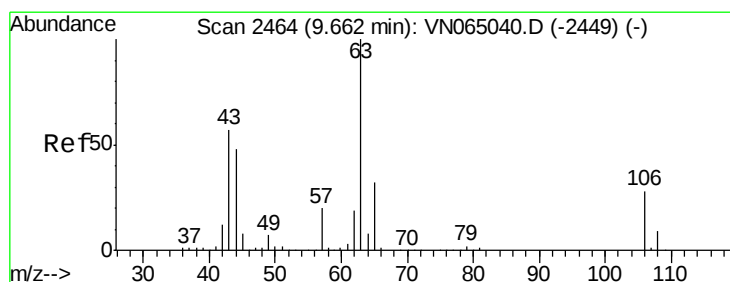
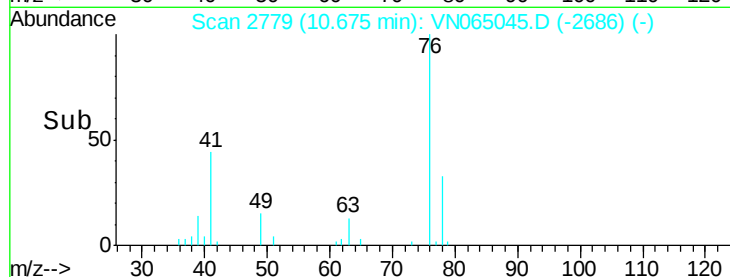
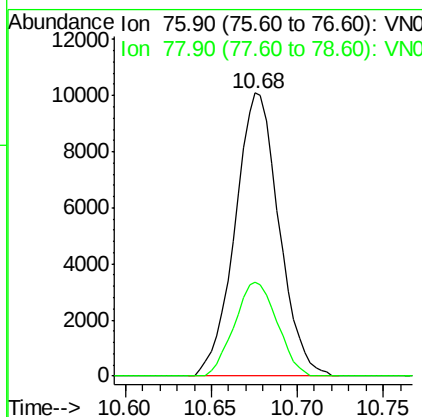
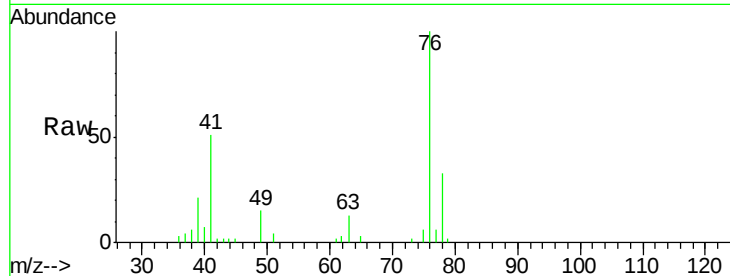
#57
 1,3-Dichloropropane
 Concen: 5.061 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 17940
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.5 39.7

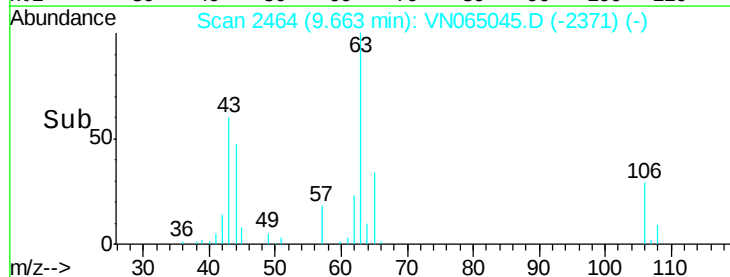
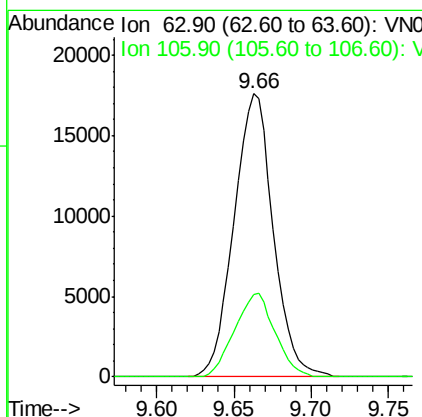
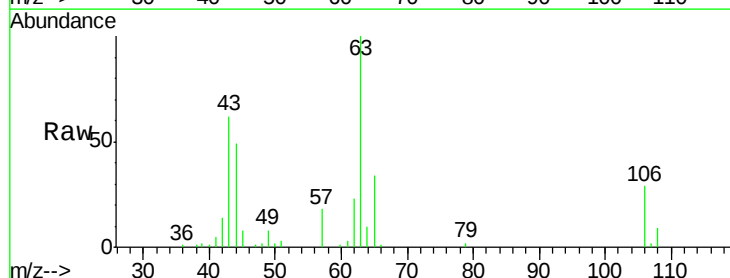
Manual Integrations
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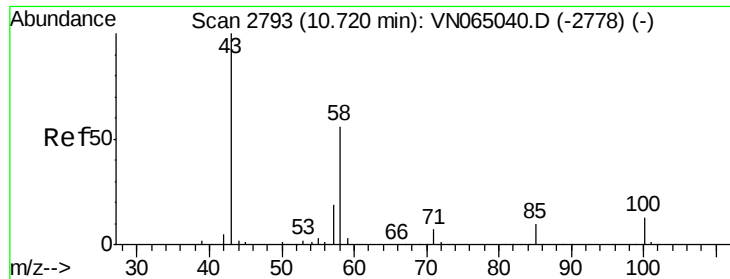
MMDadoda
 12/11/2020 12:32:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.208 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Tgt Ion: 63 Resp: 31059
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.6 33.8





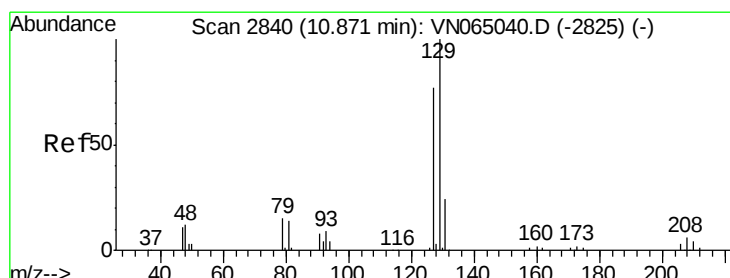
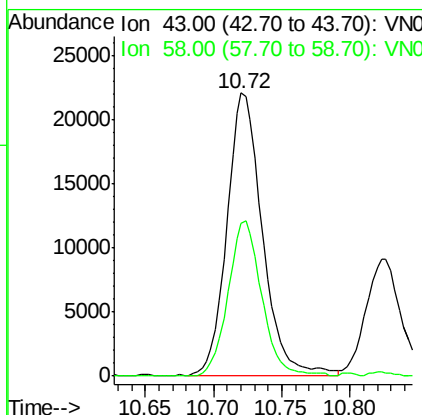
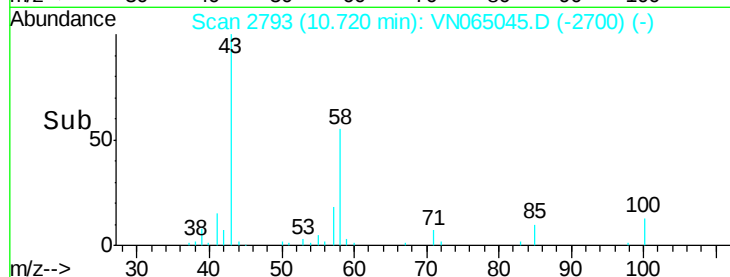
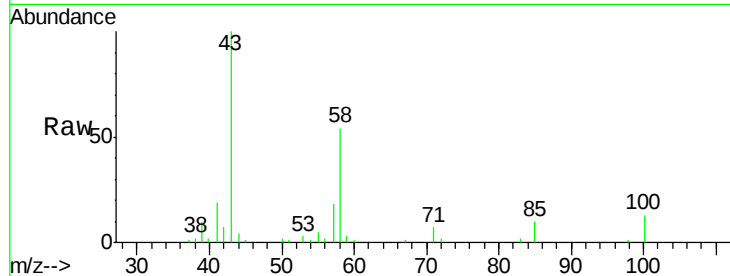
#59
2-Hexanone
Concen: 21.943 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 40134
Ion Ratio Lower Upper
43 100
58 51.7 28.3 84.9

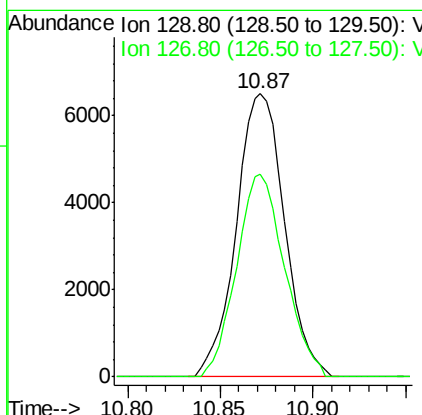
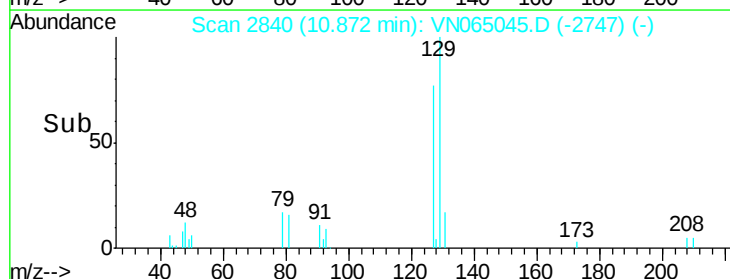
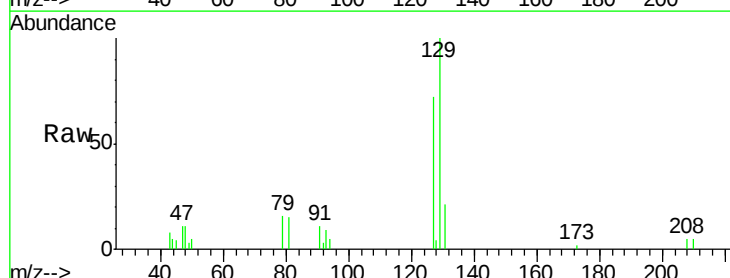
Manual Integrations
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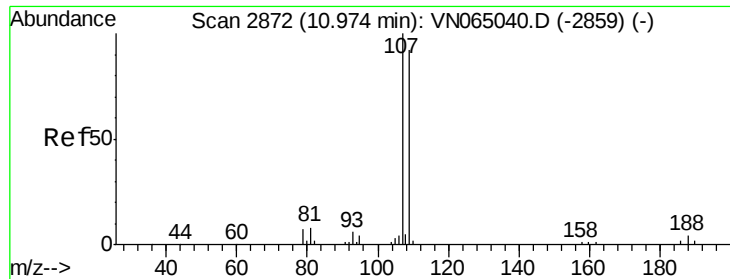
MMDadoda
12/11/2020 12:32:39 PM



#60
Dibromochloromethane
Concen: 4.905 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion: 129 Resp: 11743
Ion Ratio Lower Upper
129 100
127 71.1 38.4 115.1





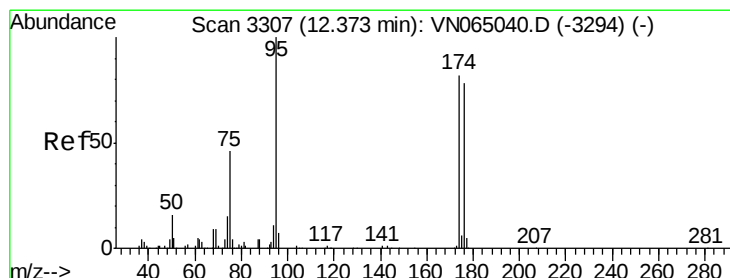
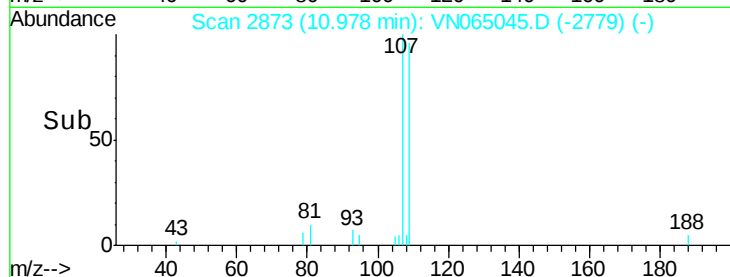
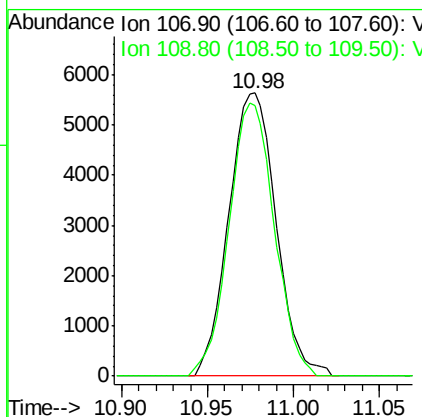
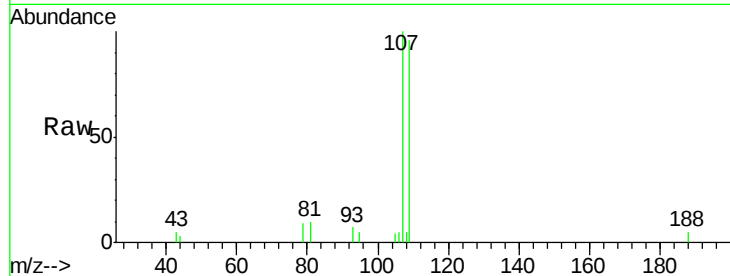
#61
 1,2-Dibromoethane
 Concen: 4.941 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 10792
 Ion Ratio Lower Upper
 107 100
 109 92.3 74.1 111.1

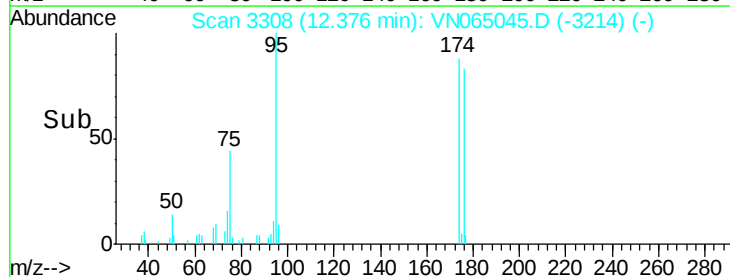
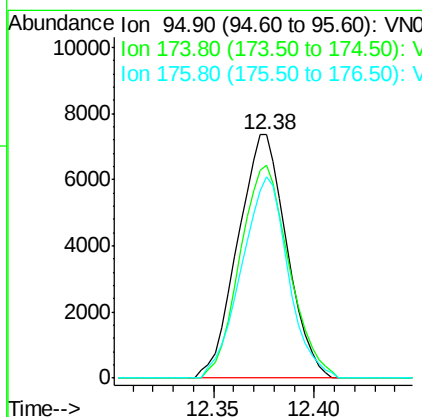
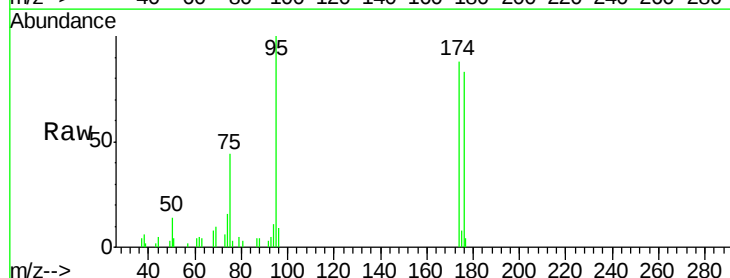
Manual Integrations
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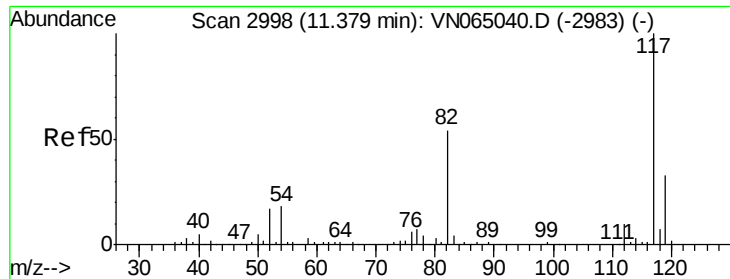
MMDadoda
 12/11/2020 12:32:39 PM



#62
 4-Bromofluorobenzene
 Concen: 4.744 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Tgt Ion: 95 Resp: 12481
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 164.8
 176 79.1 0.0 158.8





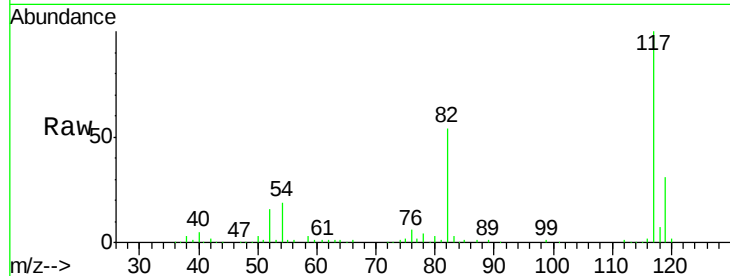
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.5	65.3
119	31.3	26.4	39.6

Manual Integrations
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MMDadoda
12/11/2020 12:32:39 PM

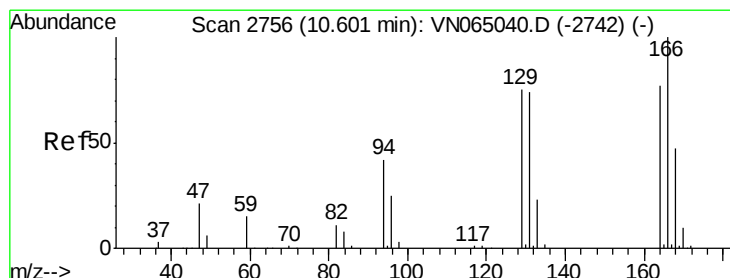
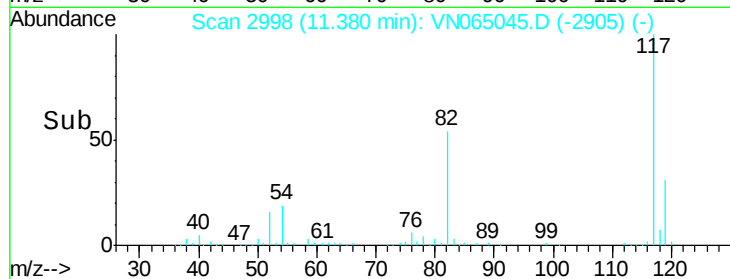
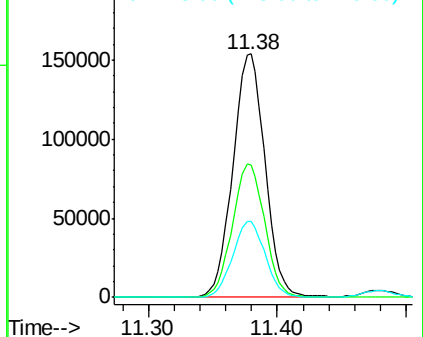


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.004 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.8	103.3	154.9
129	92.5	77.0	115.4
131	84.5	76.1	114.1

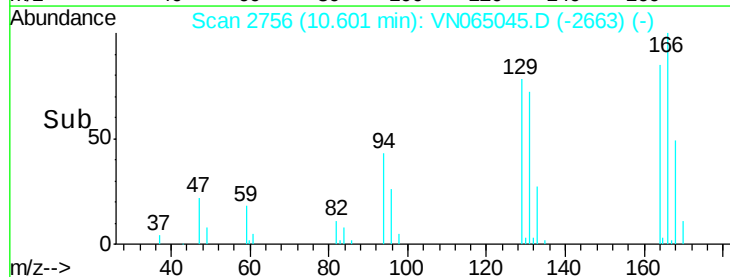
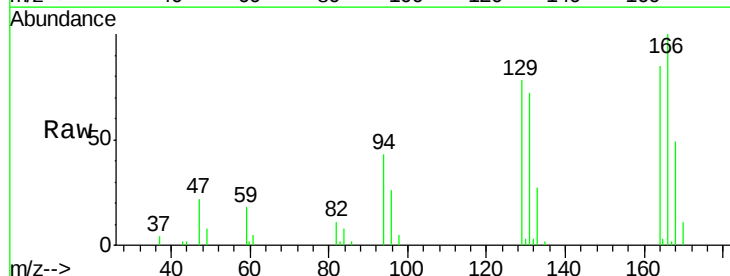
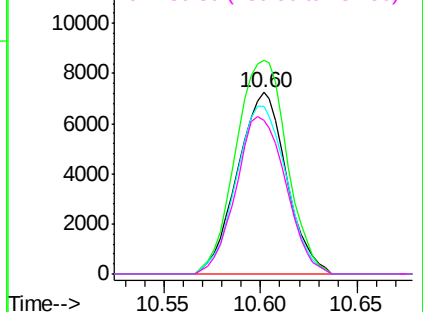
Abundance

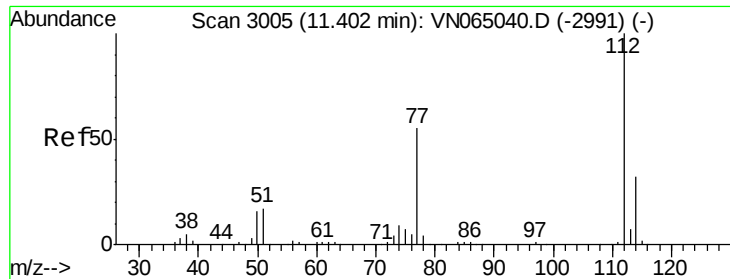
Ion 163.80 (163.50 to 164.50): V

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





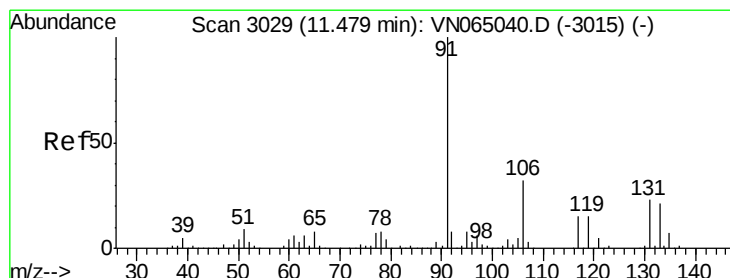
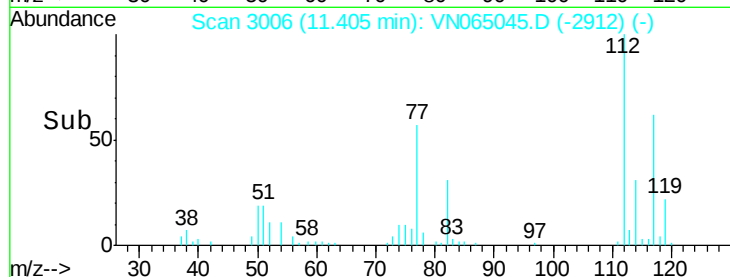
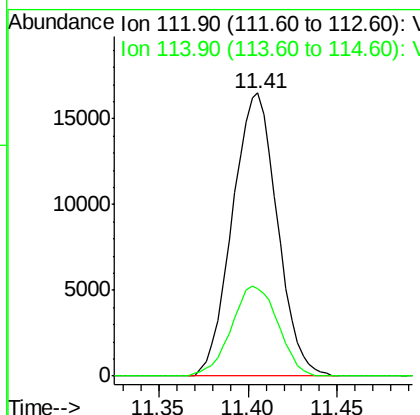
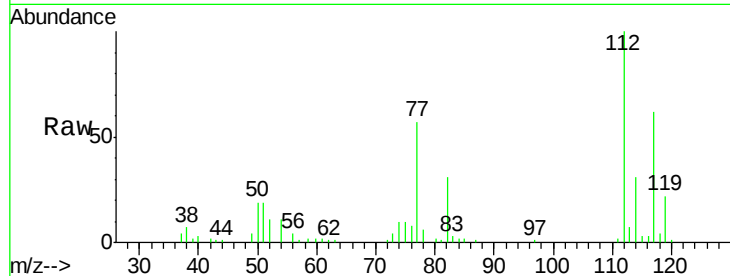
#65
Chlorobenzene
Concen: 5.054 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 28981
Ion Ratio Lower Upper
112 100
114 30.9 25.9 38.9

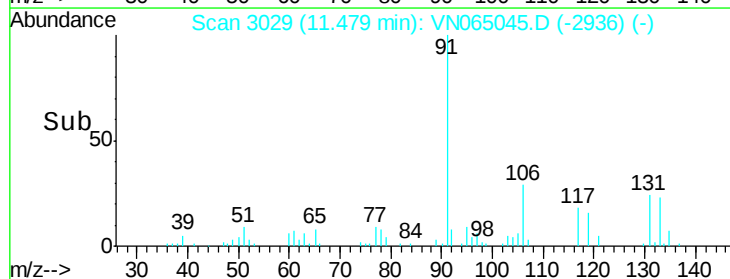
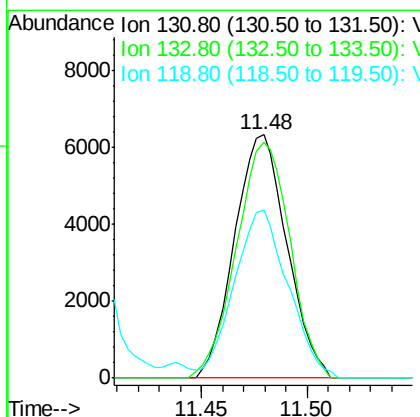
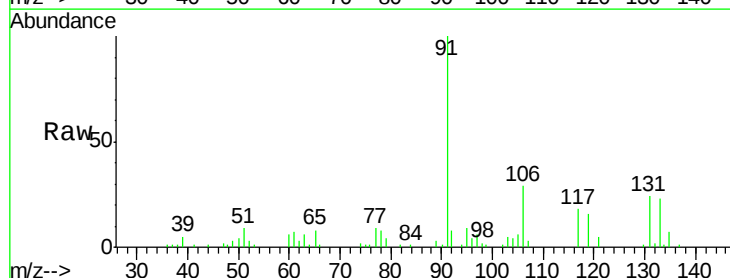
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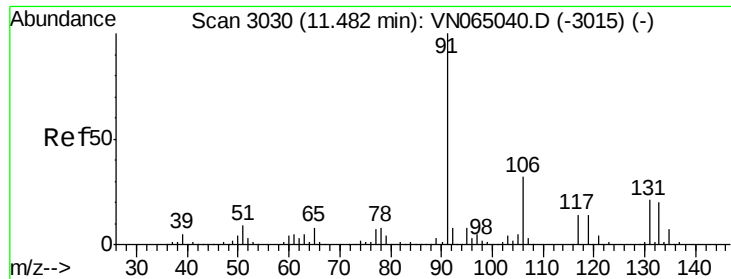
MMDadoda
12/11/2020 12:32:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.174 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion:131 Resp: 10902
Ion Ratio Lower Upper
131 100
133 99.5 48.7 146.1
119 71.2 33.2 99.6





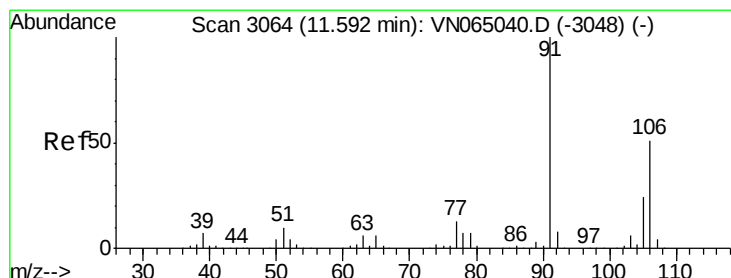
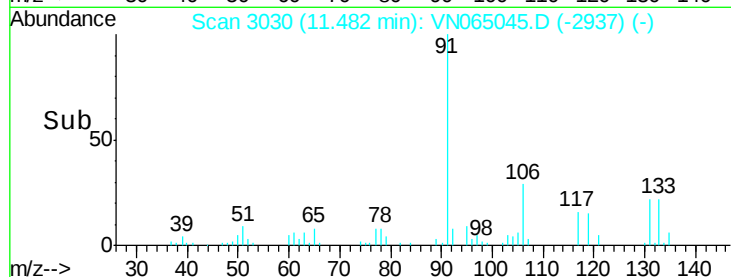
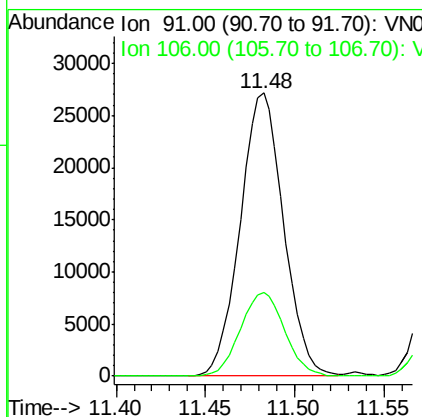
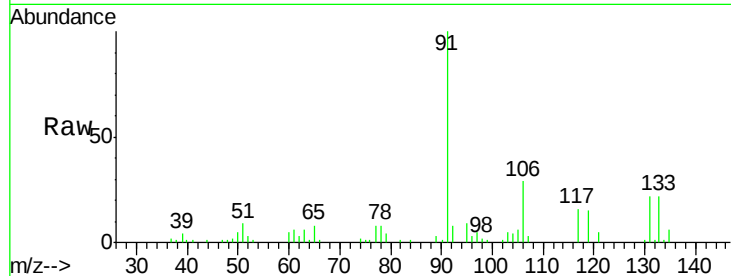
#67
Ethyl Benzene
Concen: 4.855 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 46190
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5

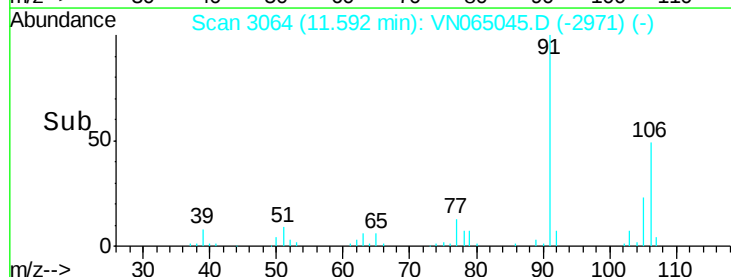
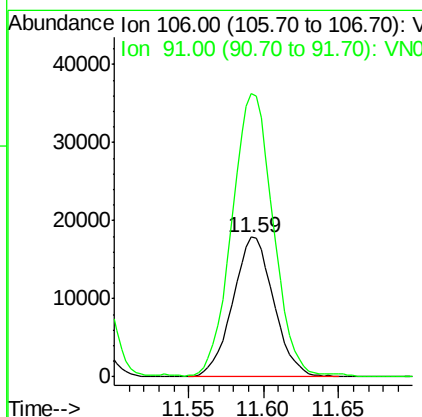
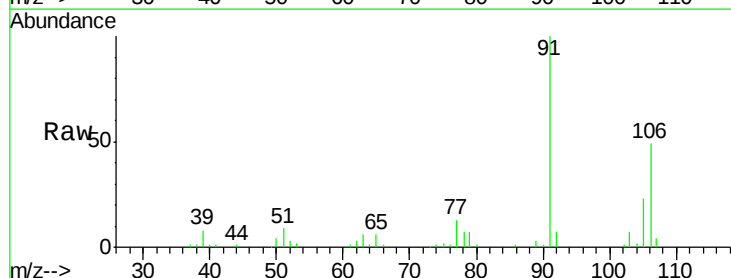
Manual Integrations
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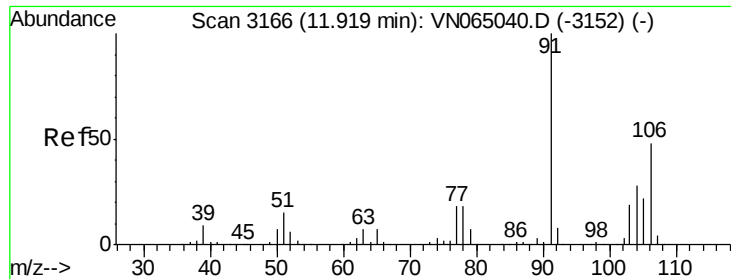
MMDadoda
12/11/2020 12:32:39 PM



#68
m/p-Xylenes
Concen: 9.386 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion: 106 Resp: 34003
Ion Ratio Lower Upper
106 100
91 205.6 157.0 235.6





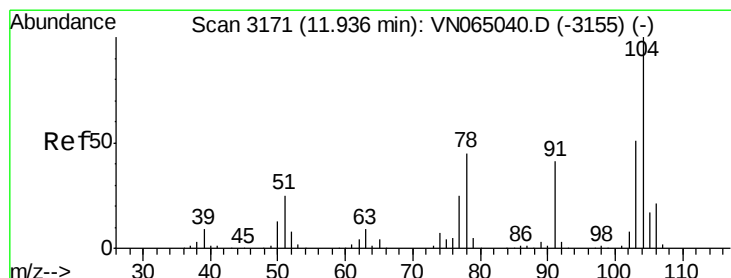
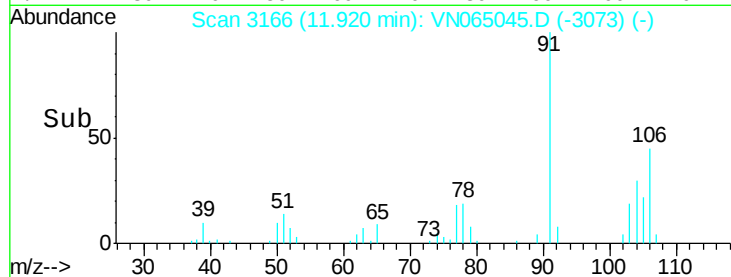
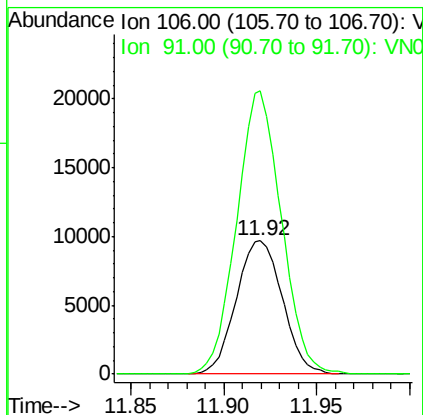
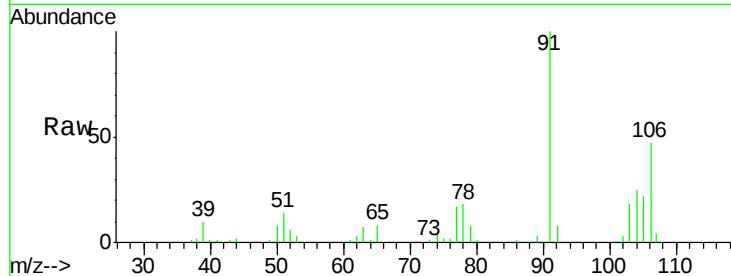
#69
o-Xylene
Concen: 4.893 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 16794
Ion Ratio Lower Upper
106 100
91 205.8 104.1 312.3

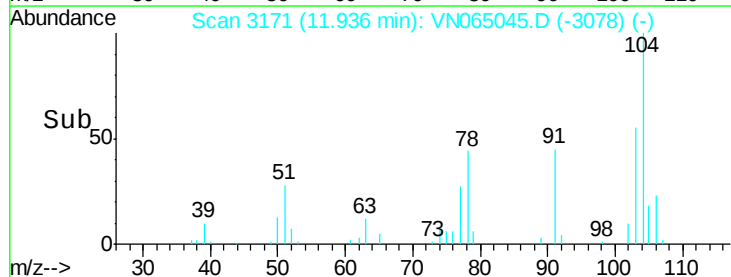
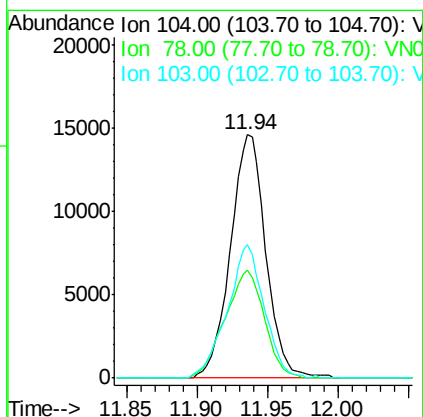
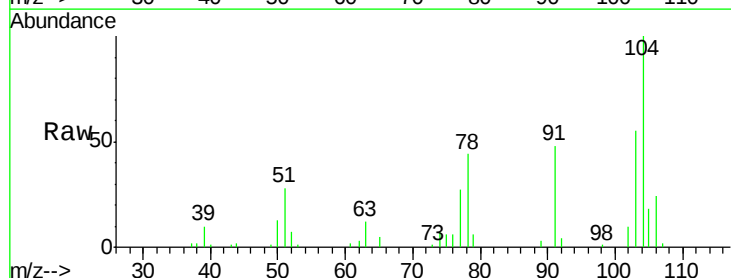
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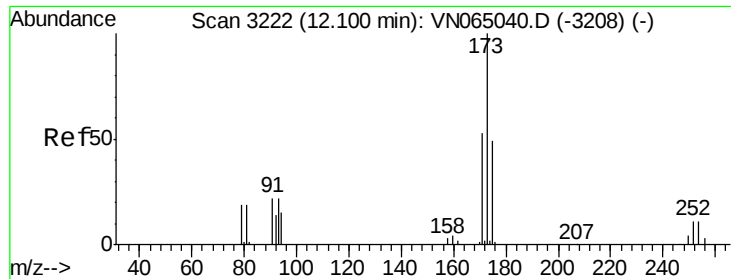
MMDadoda
12/11/2020 12:32:39 PM



#70
Styrene
Concen: 4.422 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion:104 Resp: 25634
Ion Ratio Lower Upper
104 100
78 49.2 38.7 58.1
103 56.7 43.8 65.8





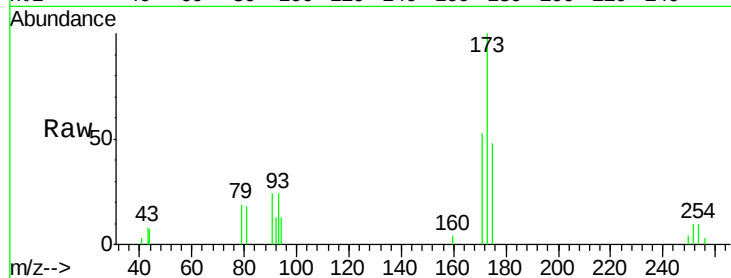
#71
Bromoform
Concen: 4.738 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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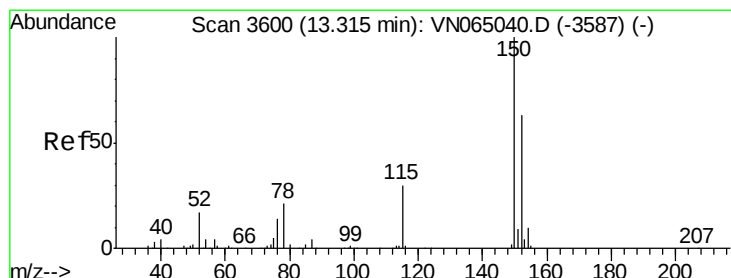
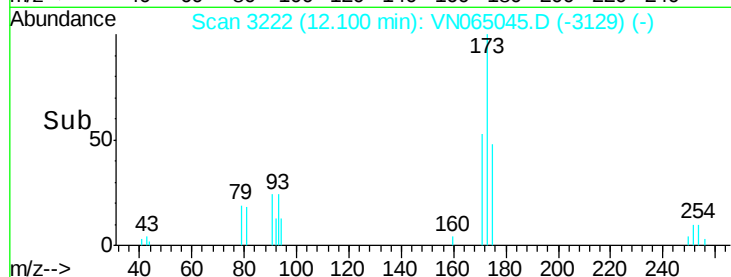
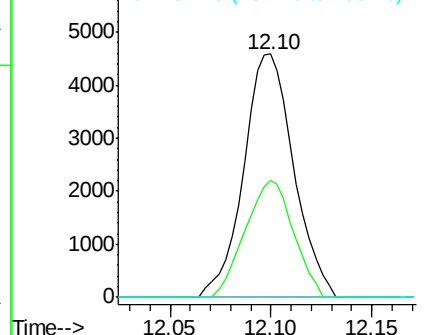


Abundance

Ion 172.70 (172.40 to 173.40): V

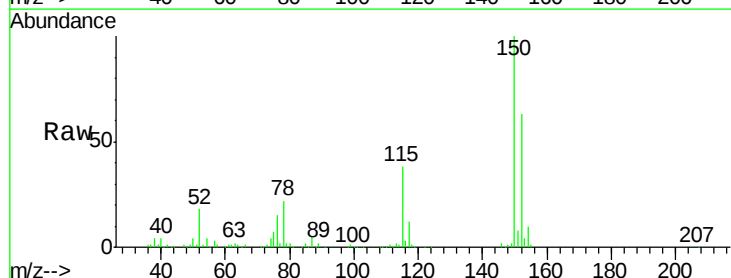
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	157.6	0.0	345.8

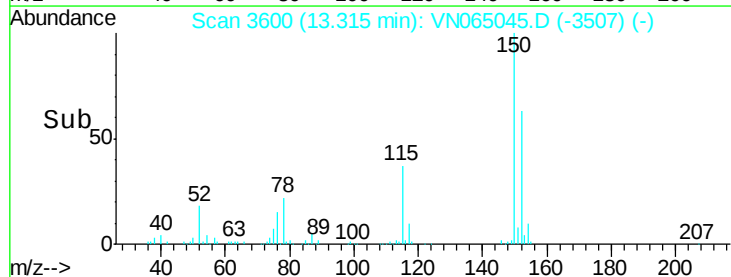
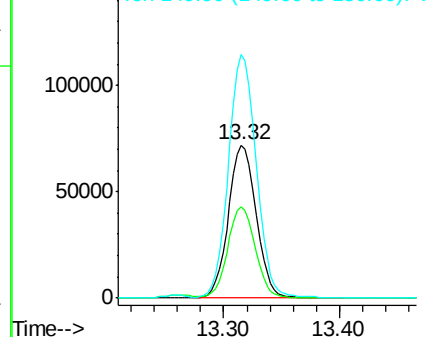


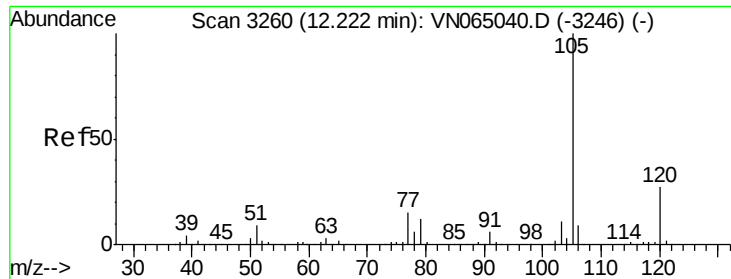
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.970 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 41382

Ion Ratio Lower Upper

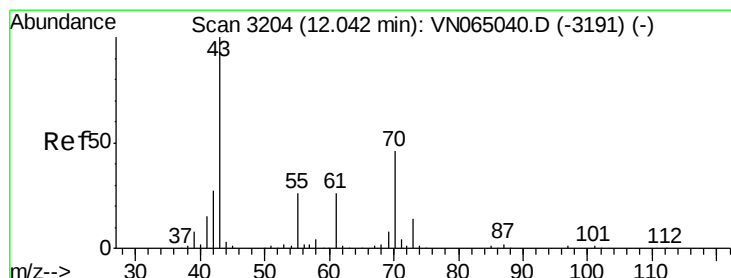
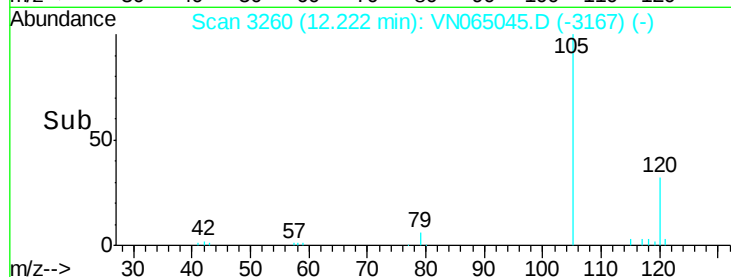
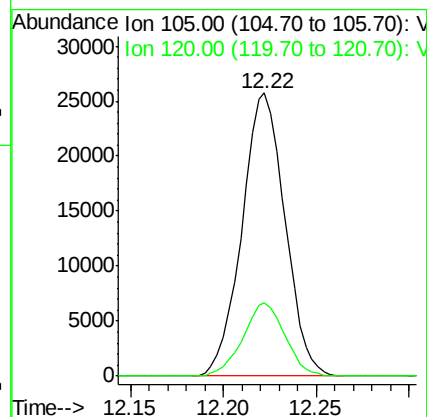
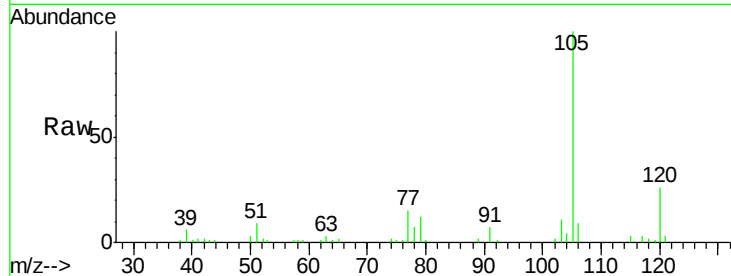
105 100

120 25.3 13.4 40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 4.397 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Tgt Ion: 43 Resp: 14159

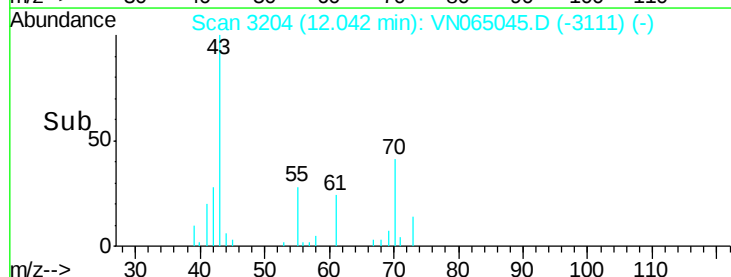
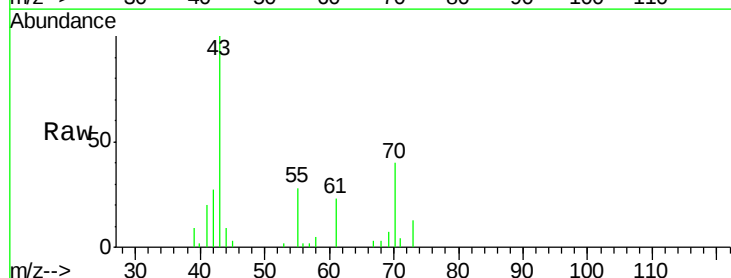
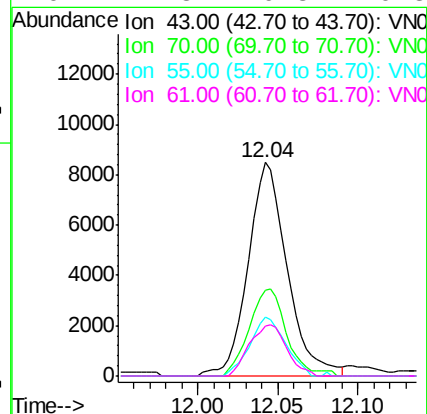
Ion Ratio Lower Upper

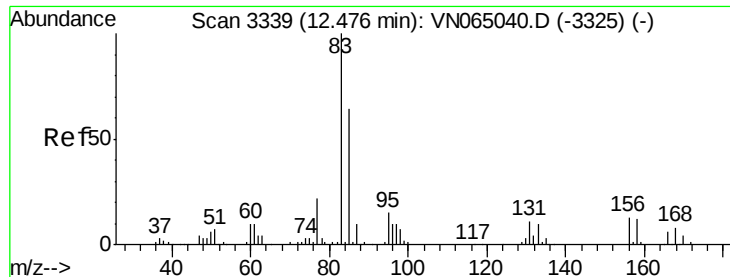
43 100

70 38.2 36.2 54.2

55 24.9 21.4 32.0

61 22.8 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.733 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

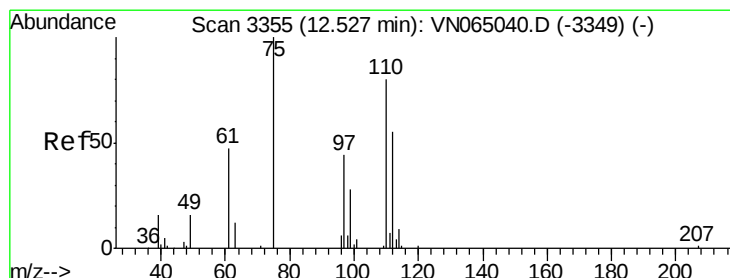
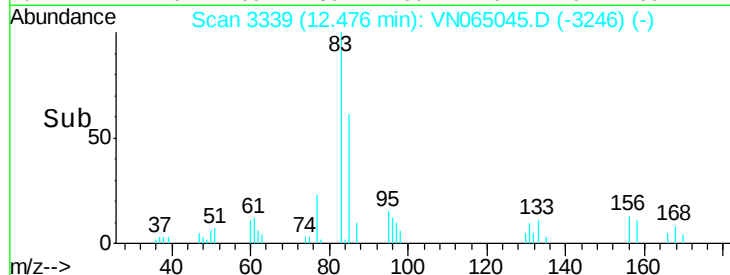
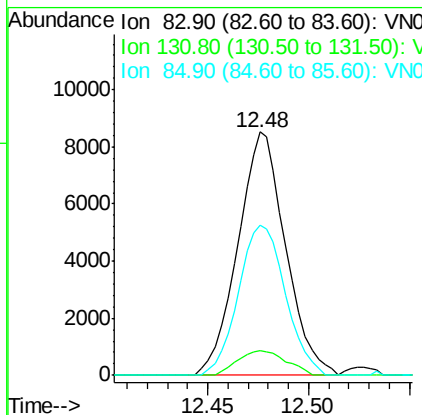
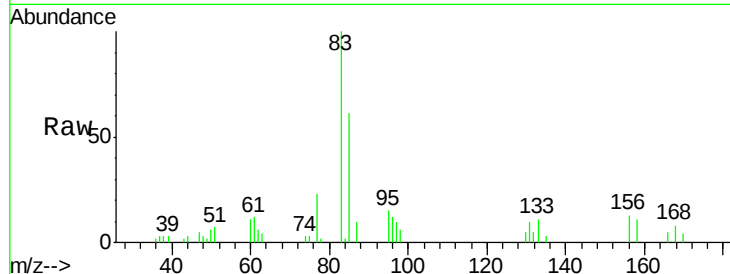
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14042
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.4
85	60.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.324 ug/l m

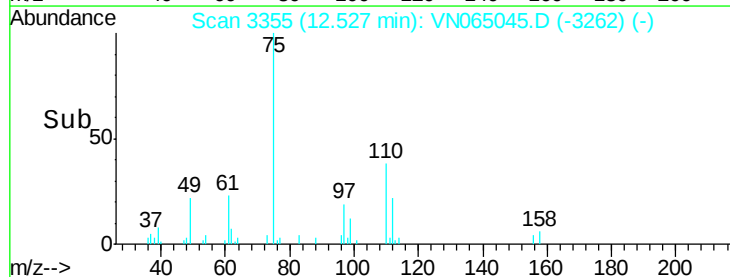
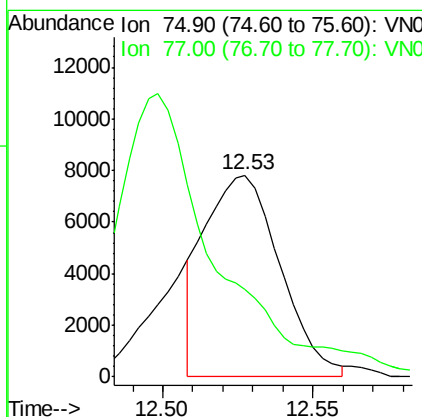
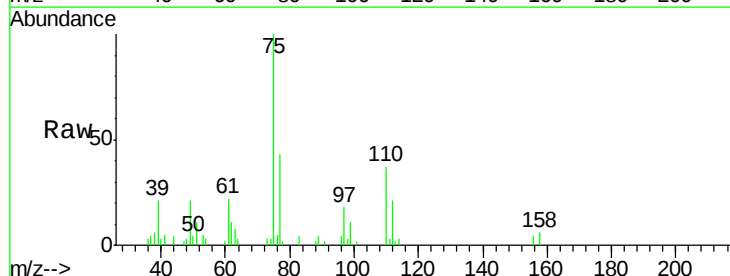
RT: 12.53 min Scan# 3355

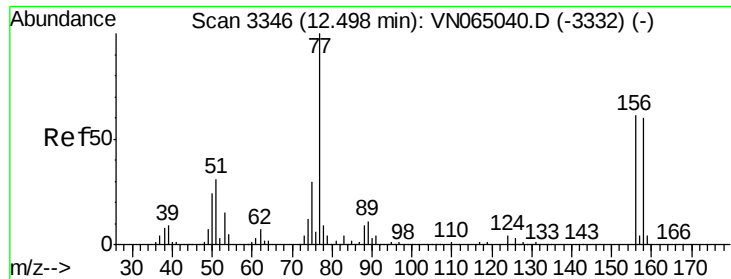
Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Tgt Ion:	75	Resp:	13572
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.272 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

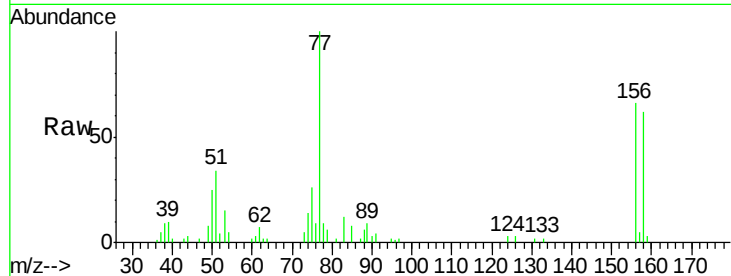
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	11870
Ion Ratio	Lower	Upper	
156	100		
77	214.2	99.3	297.8
158	95.5	49.0	147.0

Manual Integrations
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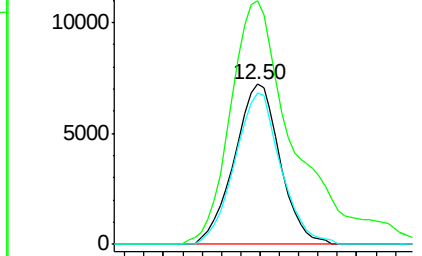
MMDadoda
12/11/2020 12:32:39 PM



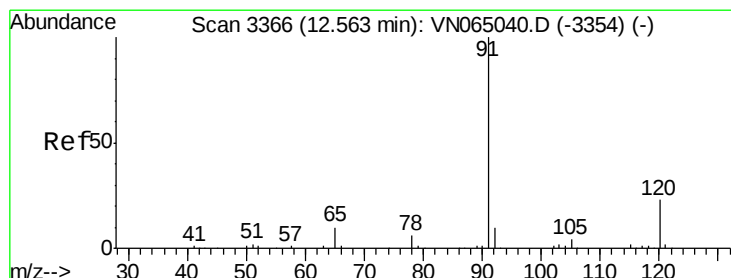
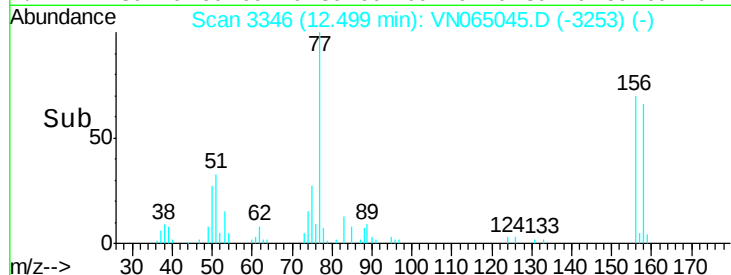
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 4.842 ug/l

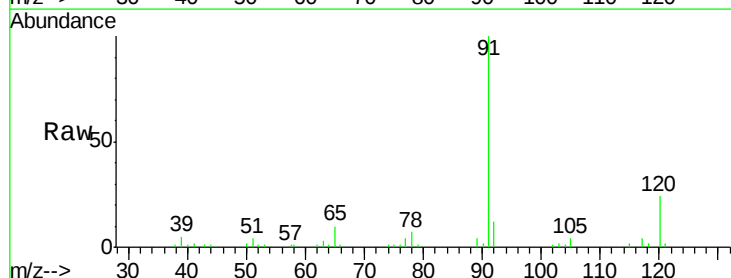
RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN065045.D

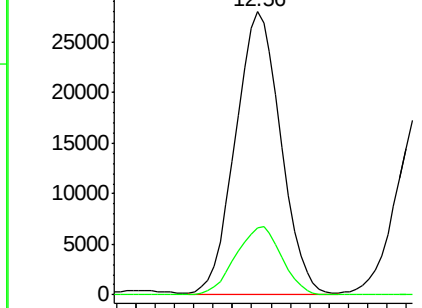
Acq: 10 Dec 2020 15:13

Tgt Ion:	91	Resp:	45757
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.9	35.9

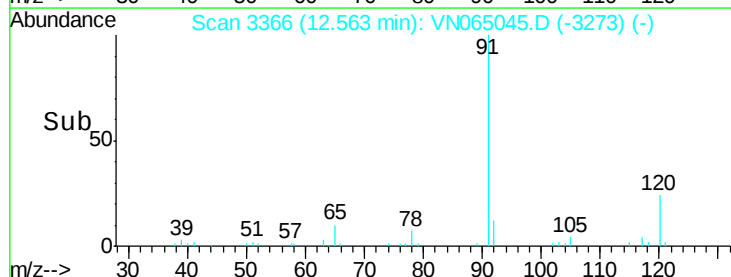


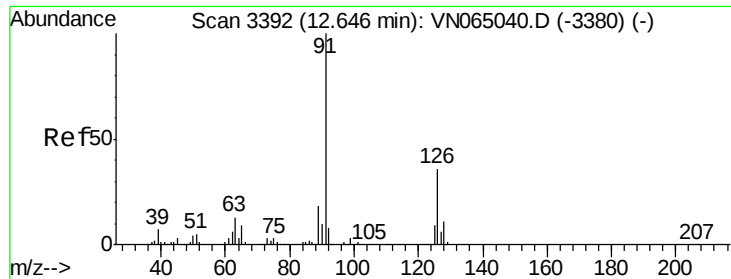
Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 5.072 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 29667

Ion Ratio Lower Upper

91 100

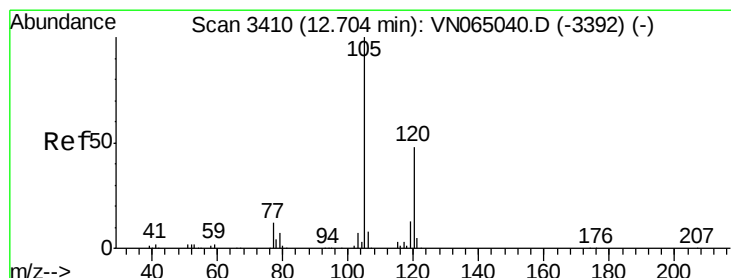
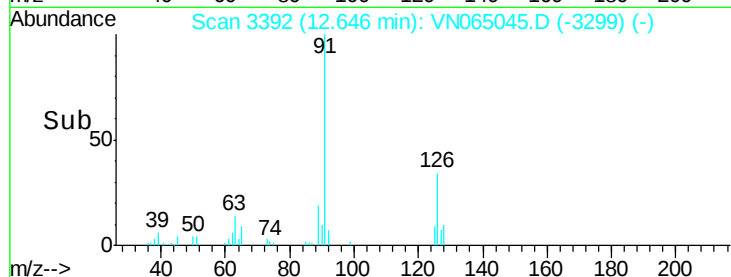
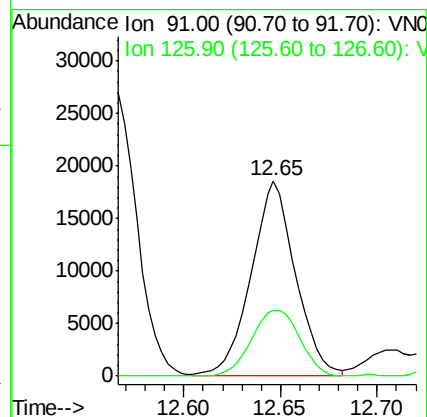
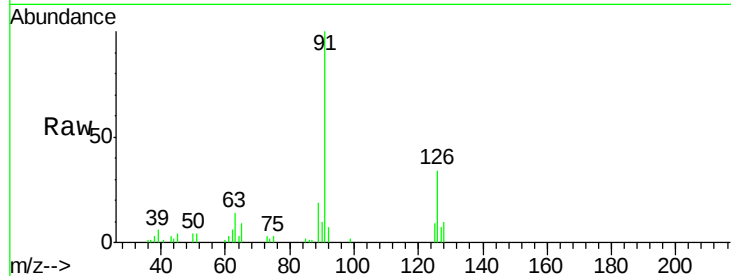
126 36.7 17.6 52.9

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 4.830 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN065045.D

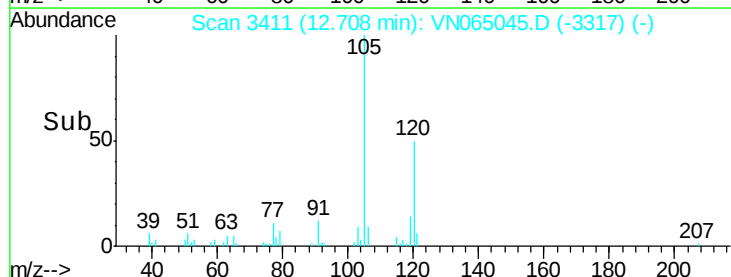
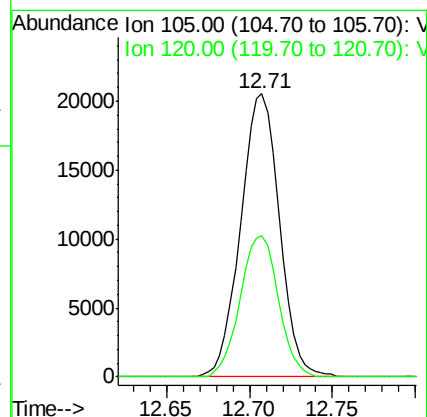
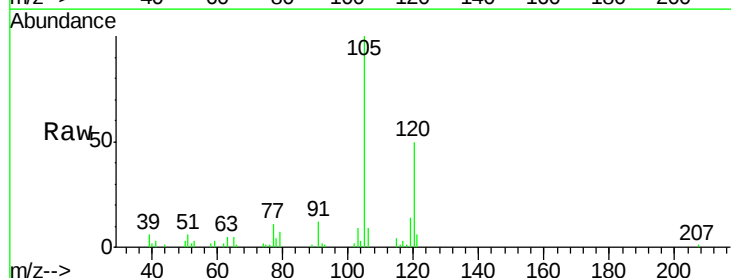
Acq: 10 Dec 2020 15:13

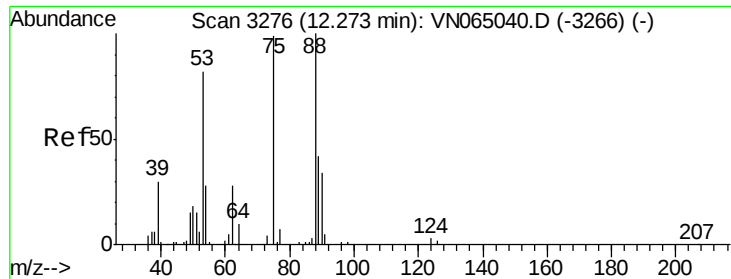
Tgt Ion: 105 Resp: 33408

Ion Ratio Lower Upper

105 100

120 49.2 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 4.105 ug/l

RT: 12.27 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

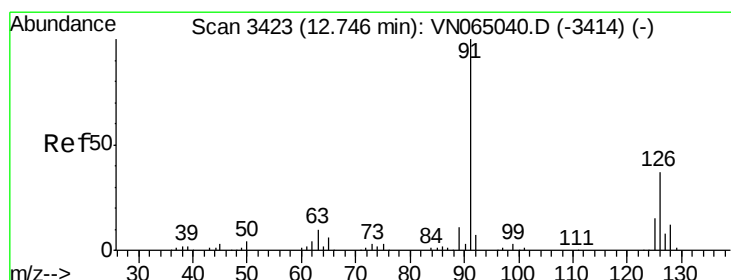
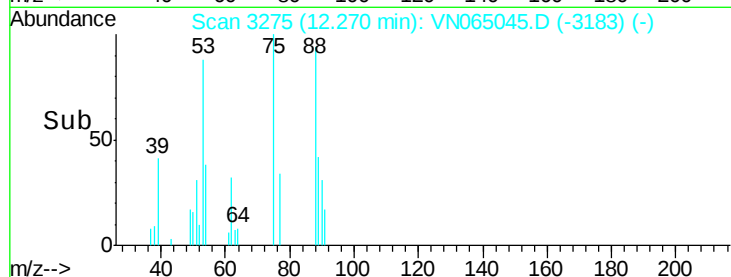
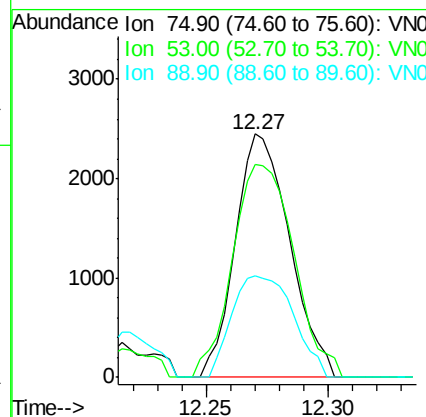
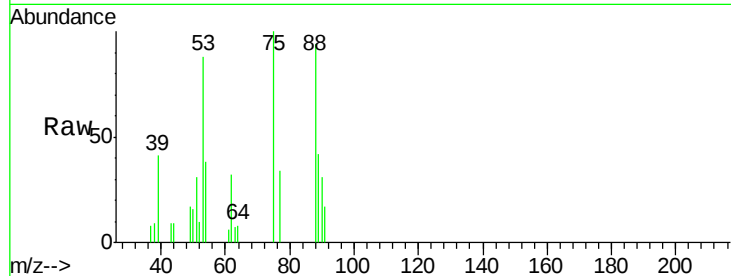
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3783
Ion	Ratio	Lower	Upper
75	100		
53	98.9	68.6	103.0
89	47.3	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.005 ug/l

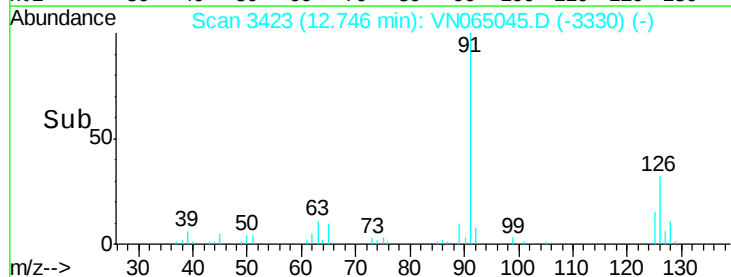
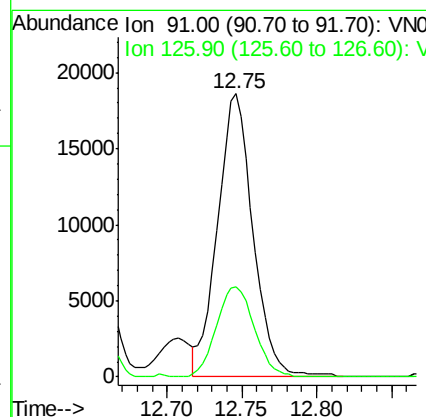
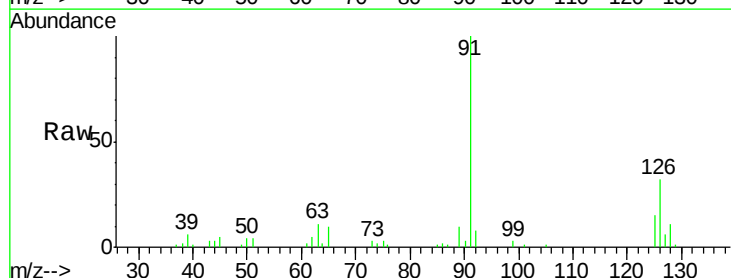
RT: 12.75 min Scan# 3423

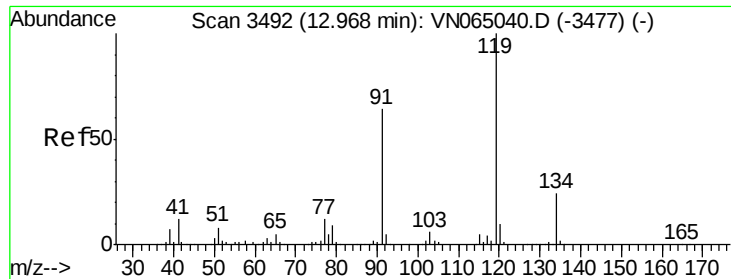
Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Tgt Ion:	91	Resp:	30711
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.3	52.0





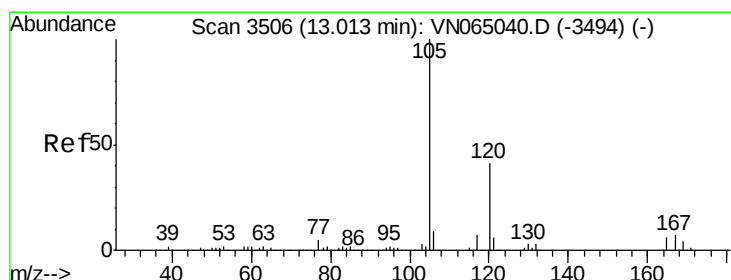
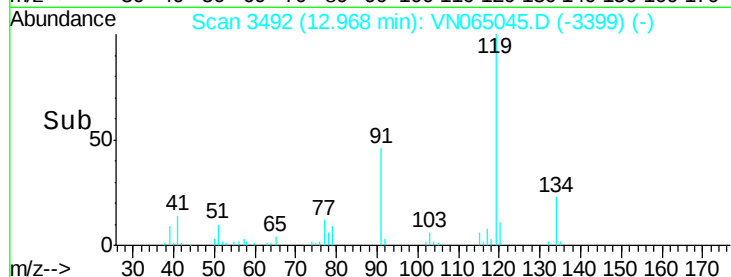
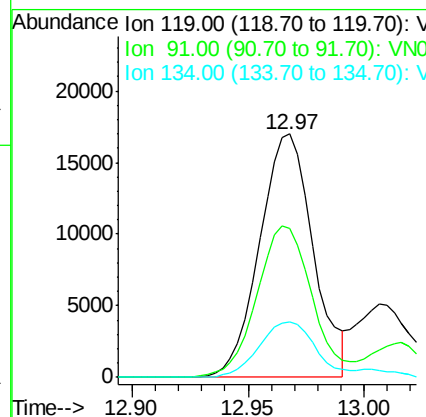
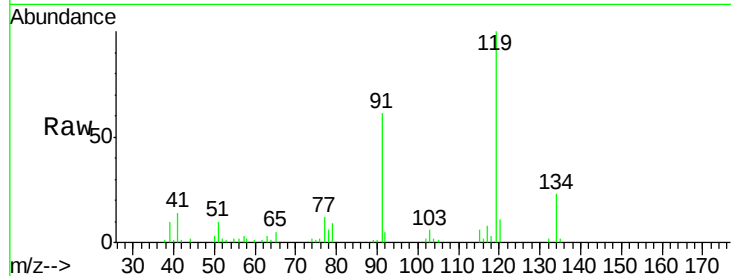
#83
tert-Butylbenzene
Concen: 4.711 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.1	93.5
134	23.8	12.6	37.6

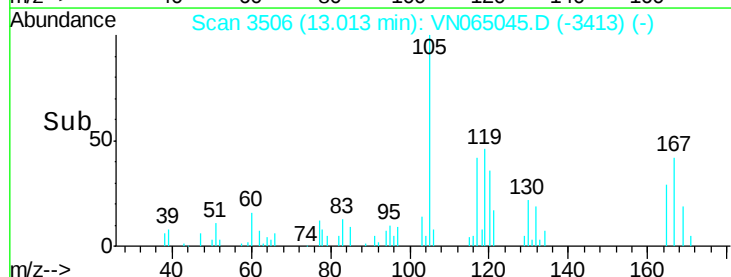
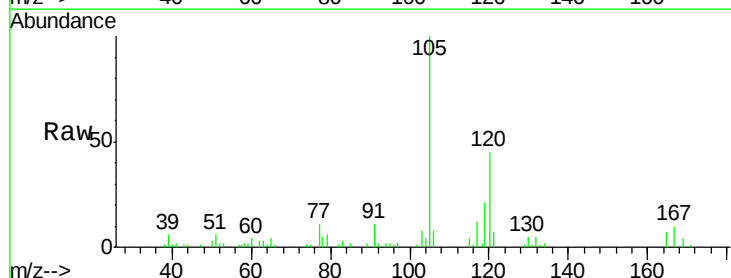
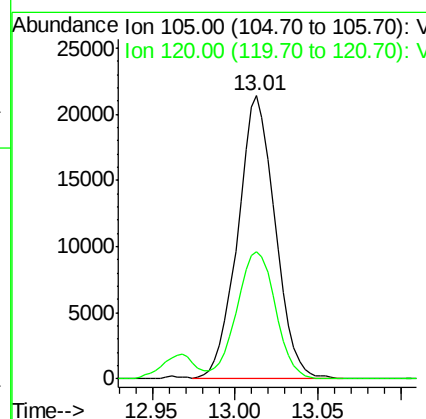
Manual Integrations
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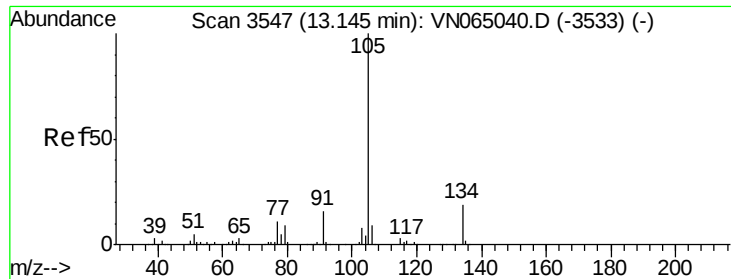
MMDadoda
12/11/2020 12:32:39 PM



#84
1,2,4-Trimethylbenzene
Concen: 4.786 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 4.775 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 36568

Ion Ratio Lower Upper

105 100

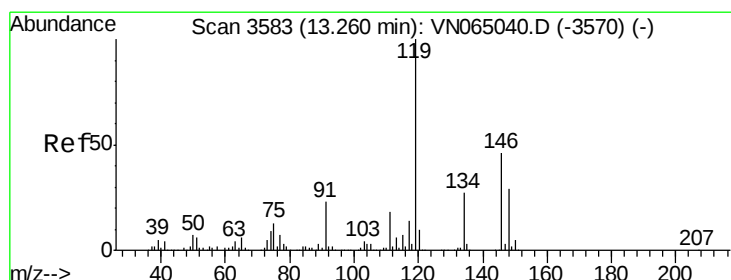
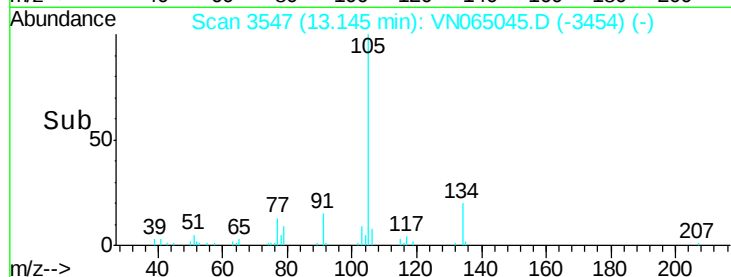
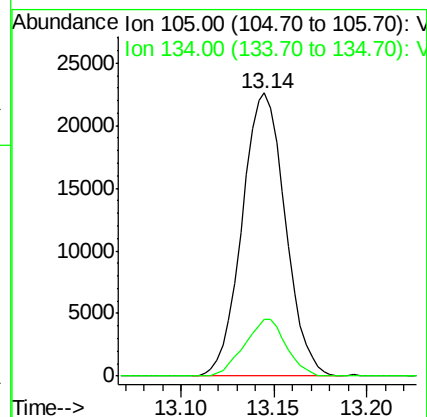
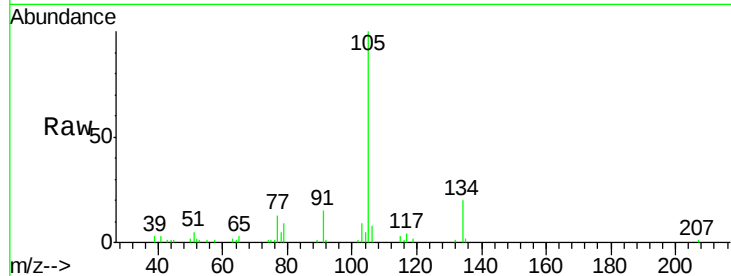
134 19.2 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.587 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN065045.D

Acq: 10 Dec 2020 15:13

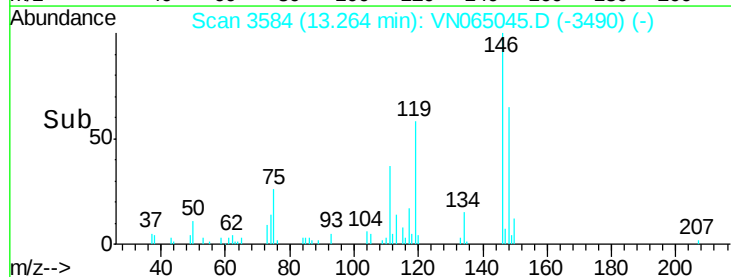
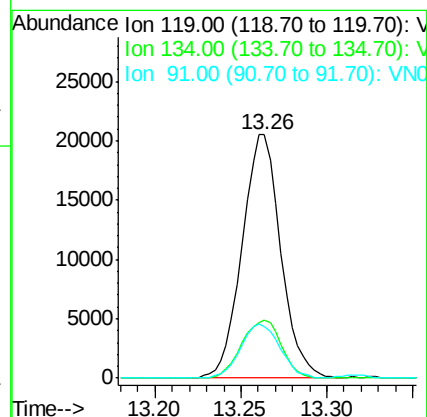
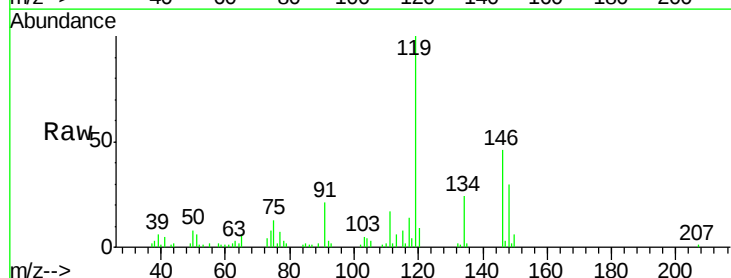
Tgt Ion:119 Resp: 31975

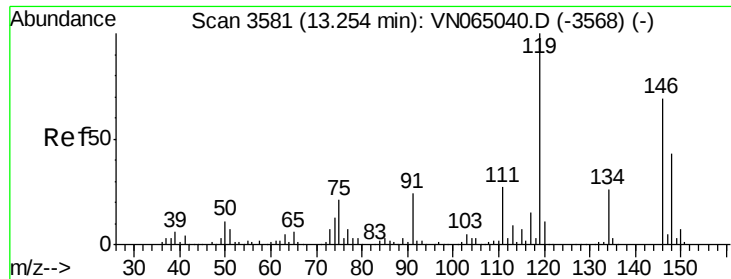
Ion Ratio Lower Upper

119 100

134 24.6 13.0 38.9

91 22.6 11.5 34.4





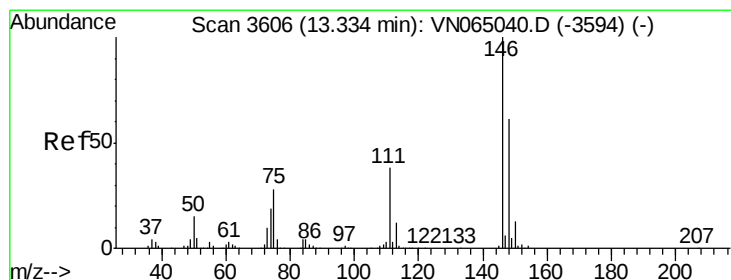
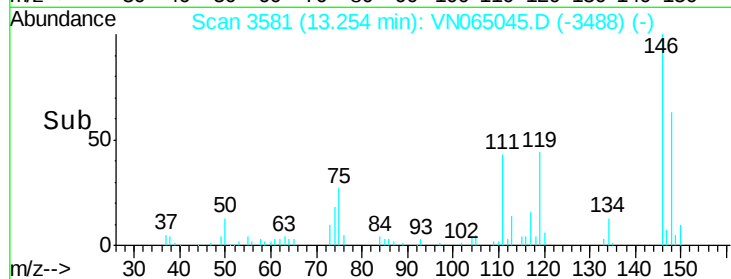
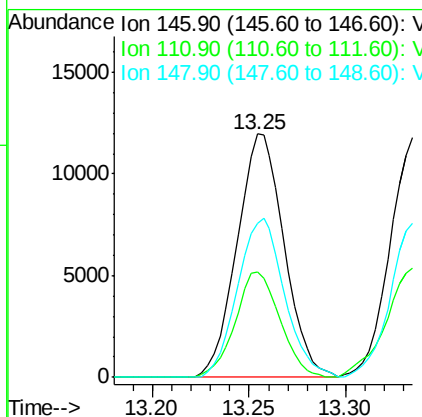
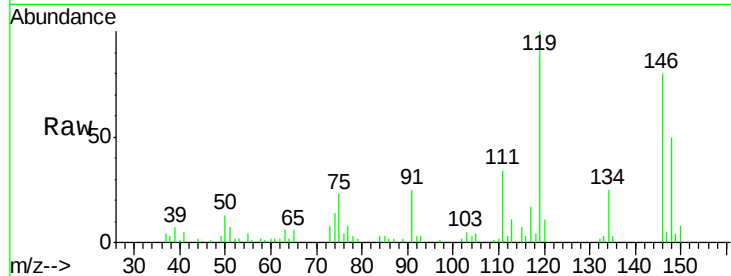
#87
 1,3-Dichlorobenzene
 Concen: 5.051 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	59.9
148	65.1	31.6	94.7

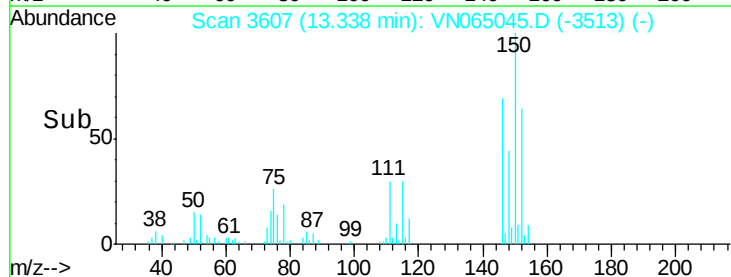
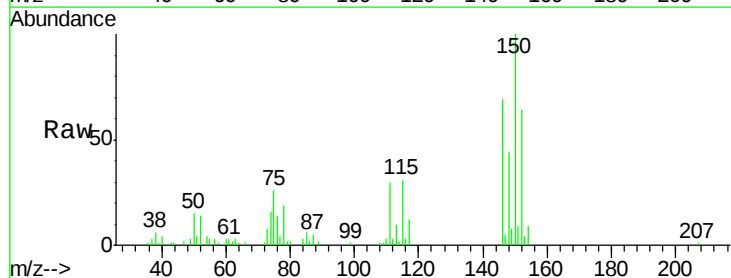
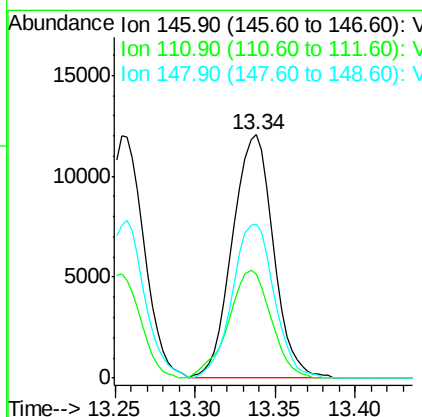
Manual Integrations
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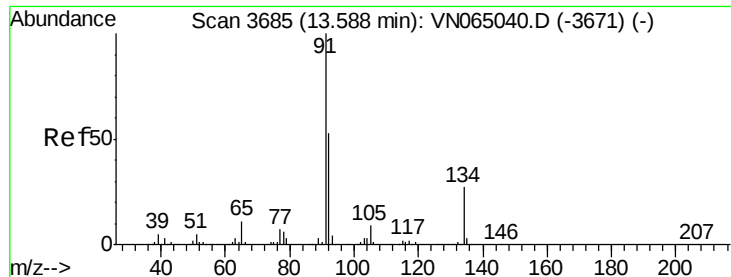
MMDadoda
 12/11/2020 12:32:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.990 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	19.2	57.6
148	64.6	31.1	93.3





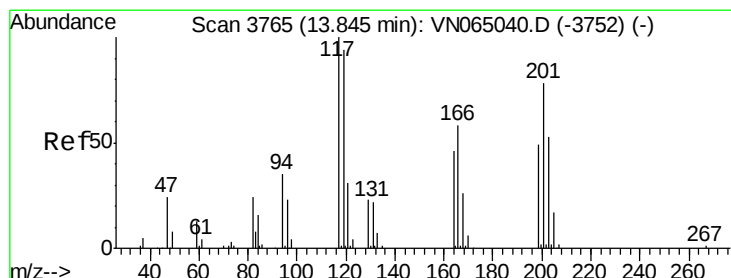
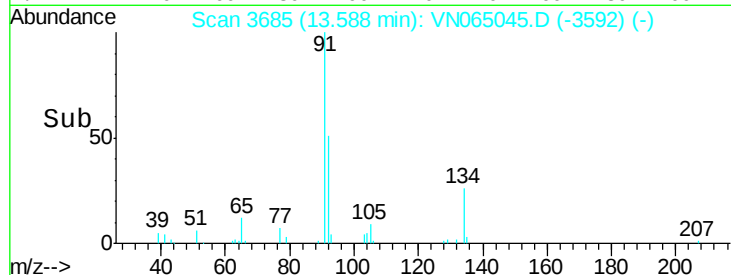
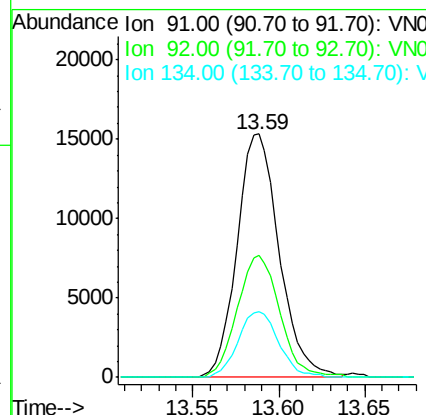
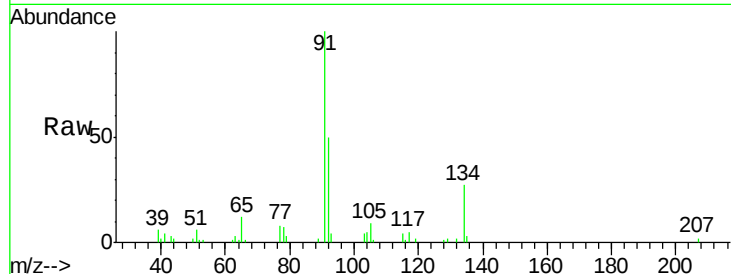
#89
n-Butylbenzene
Concen: 4.300 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.9	77.8
134	26.0	13.2	39.6

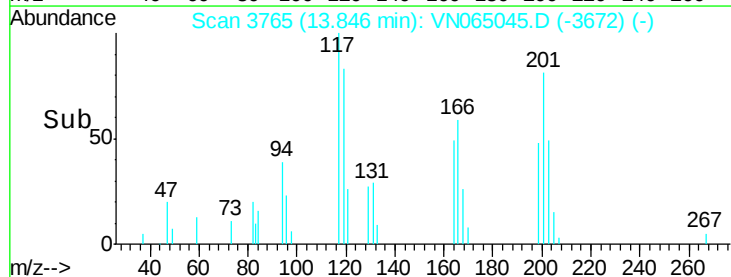
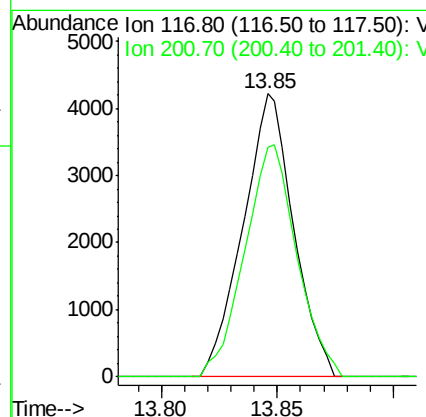
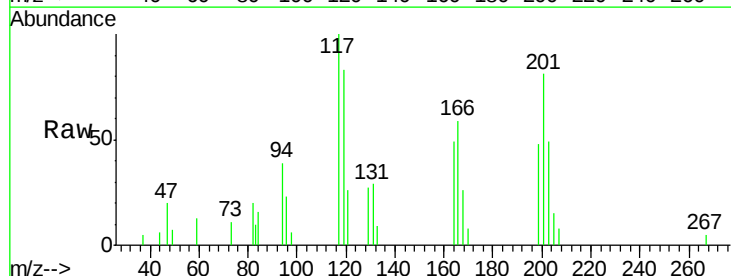
Manual Integrations
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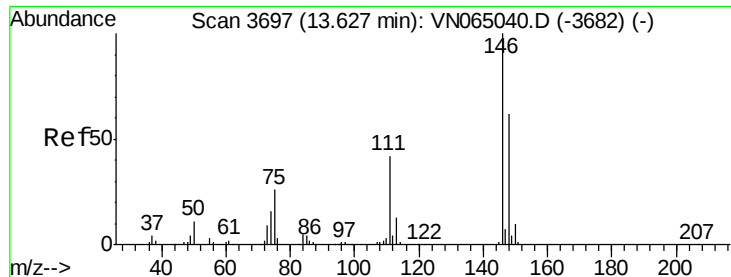
MMDadoda
12/11/2020 12:32:39 PM



#90
Hexachloroethane
Concen: 5.239 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	39.5	118.3





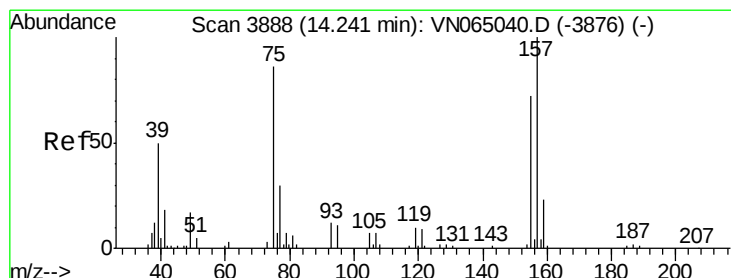
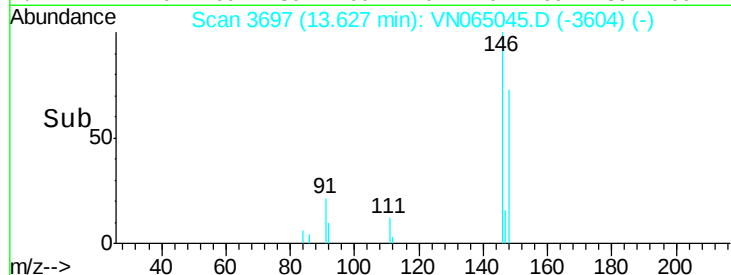
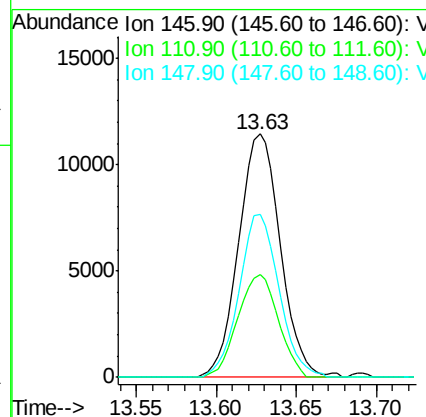
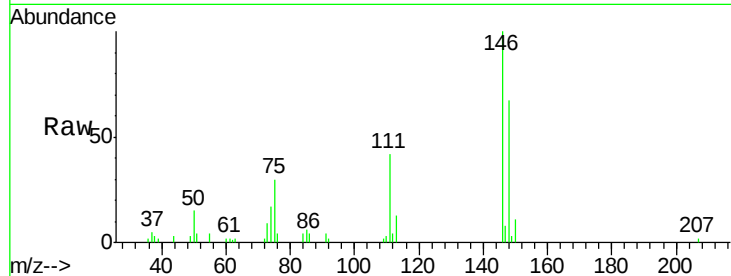
#91
 1,2-Dichlorobenzene
 Concen: 5.169 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	64.1	31.7	95.1

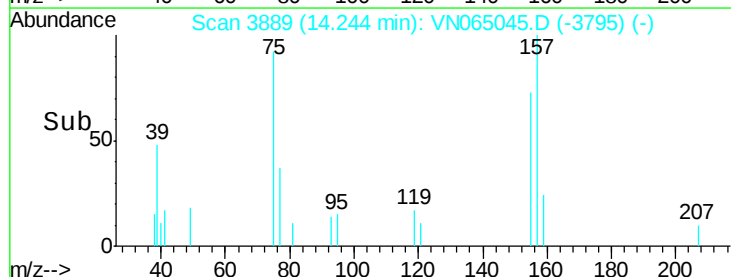
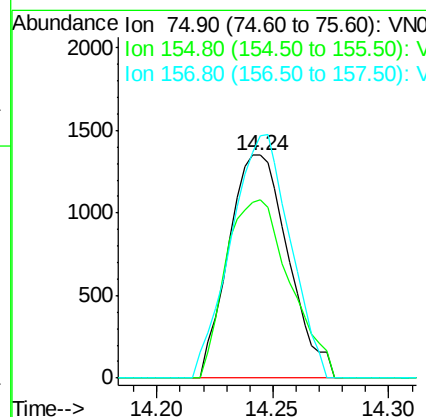
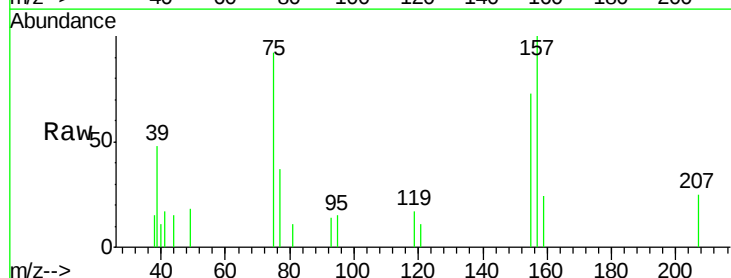
Manual Integrations
 APPROVED

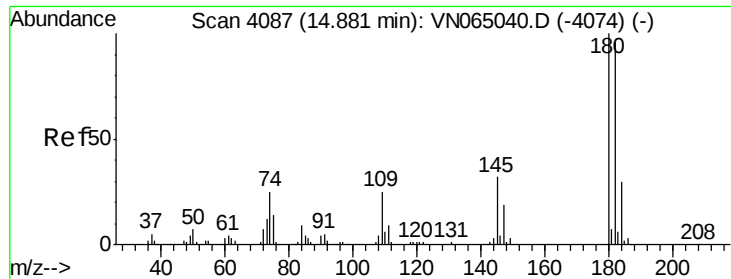
MMDadoda
 12/11/2020 12:32:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.475 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN065045.D
 Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	43.8	131.4
157	108.4	58.1	174.3





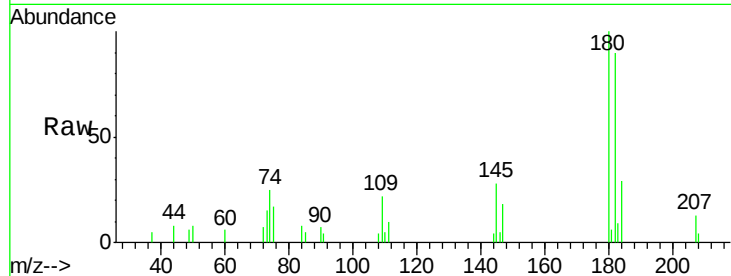
#93
1,2,4-Trichlorobenzene
Concen: 3.029 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

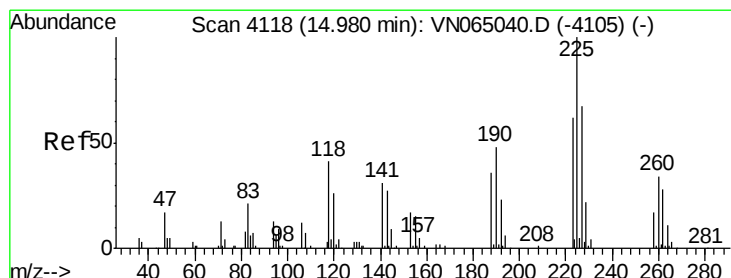
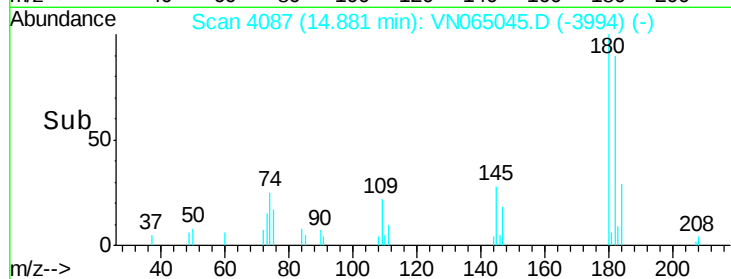
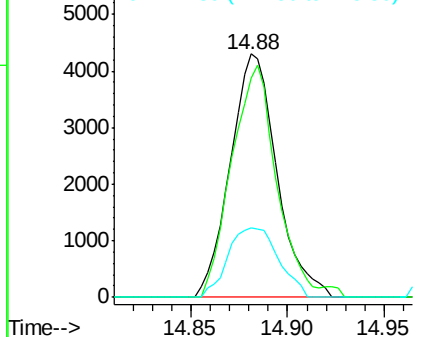
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.0	141.2
145	30.9	15.4	46.4

Manual Integrations
APPROVED

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12/11/2020 12:32:39 PM

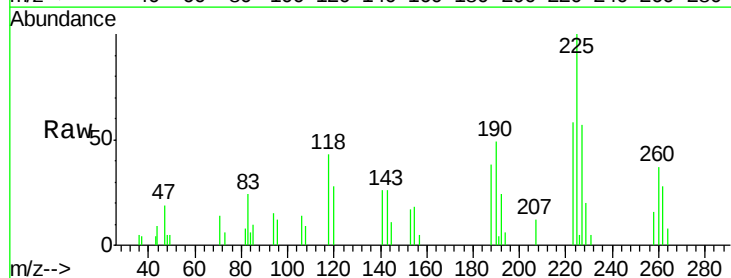


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

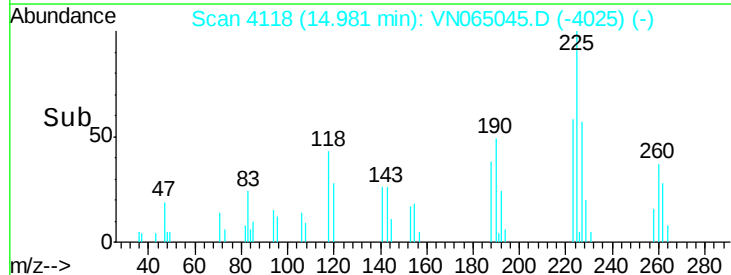
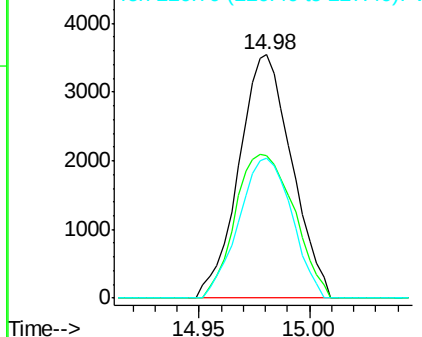


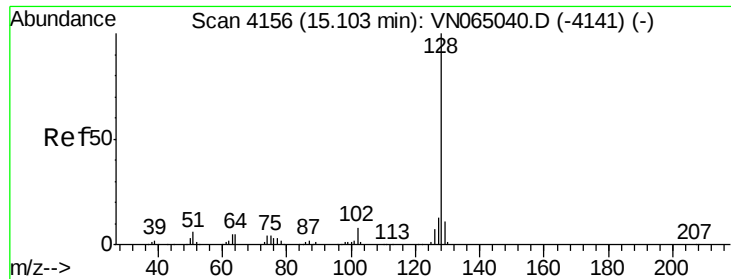
#94
Hexachlorobutadiene
Concen: 4.861 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.4	94.0
227	57.4	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





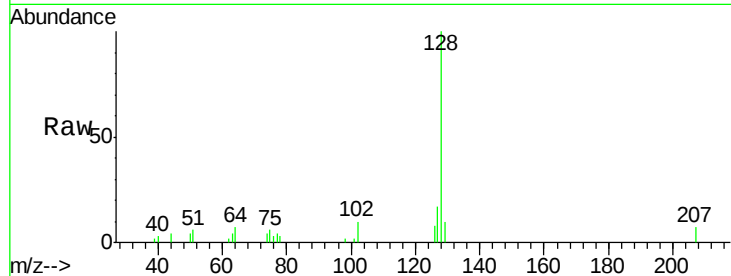
#95
Naphthalene
Concen: 2.293 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

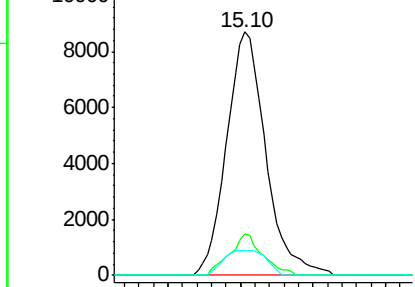
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.2	15.2
129	11.0	8.5	12.7

Manual Integrations
APPROVED

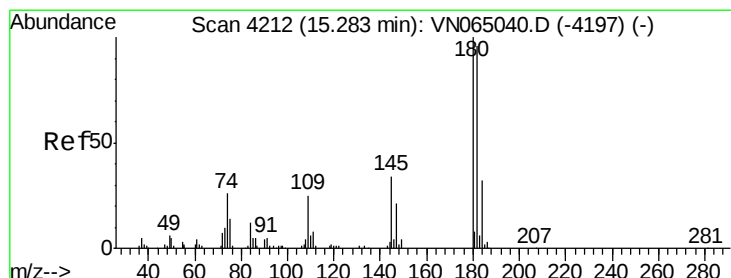
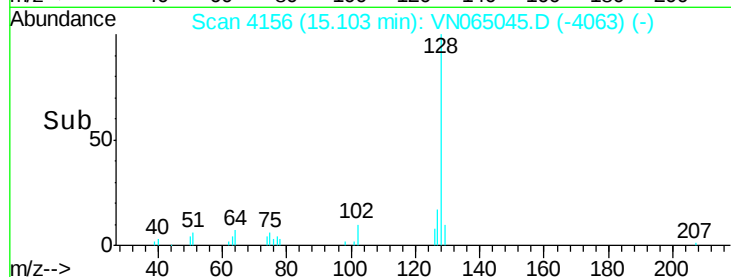
MMDadoda
12/11/2020 12:32:39 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

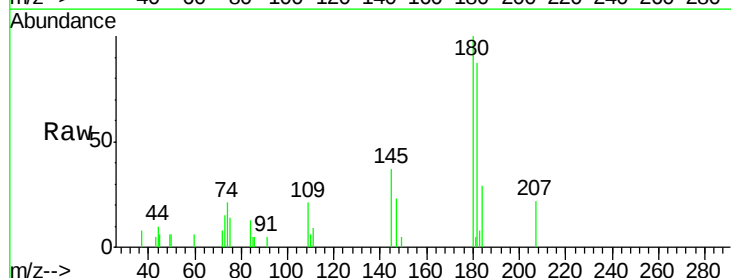


Time-->

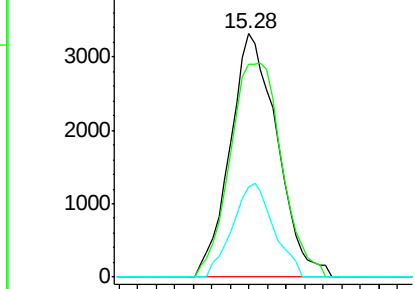


#96
1,2,3-Trichlorobenzene
Concen: 2.502 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN065045.D
Acq: 10 Dec 2020 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.3	144.9
145	33.4	16.2	48.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

