

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065038.D
 Acq On : 10 Dec 2020 10:23
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:16 PM

Quant Time: Dec 10 14:16:53 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	200552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	316993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	13314	5.71	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	11.42%#		
35) Dibromofluoromethane	7.55	113	11173	5.80	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	11.60%#		
50) Toluene-d8	10.05	98	39101	5.02	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.04%#		
62) 4-Bromofluorobenzene	12.37	95	12504	4.51	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.02%#		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	9384	5.598 ug/l	95
3) Chloromethane	2.04	50	10752	4.902 ug/l	100
4) Vinyl Chloride	2.17	62	11672	5.077 ug/l	99
5) Bromomethane	2.53	94	7929	5.255 ug/l	93
6) Chloroethane	2.68	64	7453	5.181 ug/l	96
7) Trichlorofluoromethane	2.99	101	16405	5.097 ug/l	95
8) Diethyl Ether	3.37	74	6585	5.172 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	10606	5.476 ug/l	95
10) Methyl Iodide	3.91	142	10758	4.360 ug/l #	94
11) Tert butyl alcohol	4.74	59	6234	17.870 ug/l #	72
12) 1,1-Dichloroethene	3.69	96	9611	5.036 ug/l	96
13) Acrolein	3.57	56	5220	23.366 ug/l	97
14) Allyl chloride	4.27	41	13513	4.286 ug/l	97
15) Acrylonitrile	4.93	53	19923	20.166 ug/l	94
16) Acetone	3.78	43	20111	25.684 ug/l	94
17) Carbon Disulfide	4.01	76	26062	4.789 ug/l	97
18) Methyl Acetate	4.28	43	10286	4.492 ug/l	92
19) Methyl tert-butyl Ether	4.99	73	24687	4.005 ug/l	100
20) Methylene Chloride	4.50	84	11770	4.931 ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	10016	4.717 ug/l	95
22) Diisopropyl ether	5.90	45	27413	4.305 ug/l	95
23) Vinyl Acetate	5.84	43	97852	19.348 ug/l	100
24) 1,1-Dichloroethane	5.79	63	18230	4.792 ug/l	97
25) 2-Butanone	6.79	43	25763	21.056 ug/l	96
26) 2,2-Dichloropropane	6.78	77	15586	4.726 ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	11073	4.602 ug/l	99
28) Bromochloromethane	7.15	49	9049	5.194 ug/l #	98
29) Tetrahydrofuran	7.17	42	14733	17.603 ug/l	98
30) Chloroform	7.33	83	19254	4.877 ug/l	91
31) Cyclohexane	7.61	56	16573	5.227 ug/l #	86
32) 1,1,1-Trichloroethane	7.52	97	16722	4.955 ug/l	98
36) 1,1-Dichloropropene	7.75	75	13758	4.725 ug/l	98
37) Ethyl Acetate	6.88	43	9697	3.512 ug/l	98
38) Carbon Tetrachloride	7.73	117	14484	4.774 ug/l	99

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 Data File : VN065038.D
 Acq On : 10 Dec 2020 10:23
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:16 PM

Quant Time: Dec 10 14:16:53 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)
39) Methylcyclohexane	9.04	83	12663	4.104	ug/l	98
40) Benzene	8.00	78	42160	4.726	ug/l	99
41) Methacrylonitrile	7.11	41	5011m	3.764	ug/l	
42) 1,2-Dichloroethane	8.08	62	13918	4.616	ug/l	98
43) Isopropyl Acetate	8.13	43	19334	4.324	ug/l	95
44) Trichloroethene	8.79	130	12033	4.590	ug/l	92
45) 1,2-Dichloropropane	9.08	63	10942	4.695	ug/l	98
46) Dibromomethane	9.17	93	7032	4.533	ug/l	93
47) Bromodichloromethane	9.37	83	14645	4.692	ug/l	97
48) Methyl methacrylate	9.16	41	8340	3.904	ug/l	92
49) 1,4-Dioxane	9.17	88	2924	72.579	ug/l #	92
51) 4-Methyl-2-Pentanone	9.95	43	50428	18.805	ug/l	97
52) Toluene	10.12	92	25070	4.550	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	13820	3.995	ug/l	95
54) cis-1,3-Dichloropropene	9.80	75	16193	4.357	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	10020	4.393	ug/l	95
56) Ethyl methacrylate	10.40	69	10745	3.475	ug/l	92
57) 1,3-Dichloropropane	10.68	76	16704	4.470	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	26940	15.803	ug/l	99
59) 2-Hexanone	10.72	43	35727	18.528	ug/l	90
60) Dibromochloromethane	10.87	129	10733	4.253	ug/l	96
61) 1,2-Dibromoethane	10.97	107	10212	4.435	ug/l	99
64) Tetrachloroethene	10.60	164	11927	4.369	ug/l	96
65) Chlorobenzene	11.40	112	28854	4.718	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	10468	4.658	ug/l	98
67) Ethyl Benzene	11.48	91	41970	4.137	ug/l	97
68) m/p-Xylenes	11.59	106	31745	8.216	ug/l	94
69) o-Xylene	11.92	106	14411	3.937	ug/l	97
70) Styrene	11.94	104	23145	3.744	ug/l	97
71) Bromoform	12.10	173	7754	4.344	ug/l #	92
73) Isopropylbenzene	12.22	105	37164	4.101	ug/l	100
74) N-amyl acetate	12.04	43	12469	3.558	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	13092	4.911	ug/l	97
76) 1,2,3-Trichloropropane	12.52	75	12786m	4.608	ug/l	
77) Bromobenzene	12.50	156	11380	4.644	ug/l	94
78) n-propylbenzene	12.56	91	42151	4.098	ug/l	98
79) 2-Chlorotoluene	12.65	91	28297	4.445	ug/l	96
80) 1,3,5-Trimethylbenzene	12.70	105	30748	4.084	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	3286	3.276	ug/l #	82
82) 4-Chlorotoluene	12.75	91	27732	4.152	ug/l	96
83) tert-Butylbenzene	12.96	119	25397	4.024	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	28484	3.734	ug/l	100
85) sec-Butylbenzene	13.14	105	32197	3.863	ug/l	100
86) p-Isopropyltoluene	13.26	119	28123	3.706	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	19724	4.529	ug/l	97
88) 1,4-Dichlorobenzene	13.33	146	19781	4.297	ug/l	95
89) n-Butylbenzene	13.59	91	23942	3.612	ug/l	94
90) Hexachloroethane	13.85	117	6220	4.692	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	18724	4.377	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	1940	3.305	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121020\
Data File : VN065038.D
Acq On : 10 Dec 2020 10:23
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

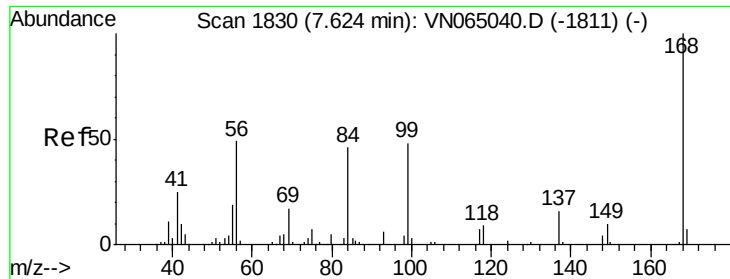
Manual Integrations
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12/11/2020 12:32:16 PM

Quant Time: Dec 10 14:16:53 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.88	180	7119	2.751	ug/l	95
94) Hexachlorobutadiene	14.98	225	5410	4.101	ug/l	98
95) Naphthalene	15.10	128	16828	2.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	6505	2.557	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 200552

Ion Ratio Lower Upper

168 100

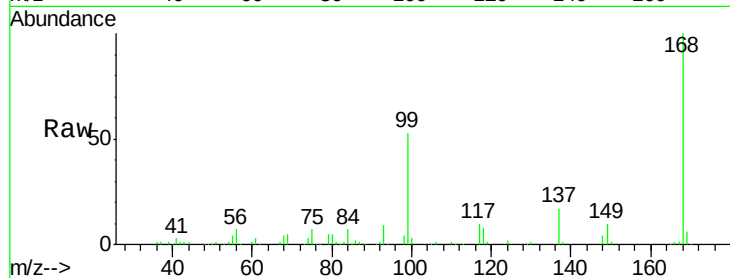
99 53.1 44.0 66.0

Manual Integrations

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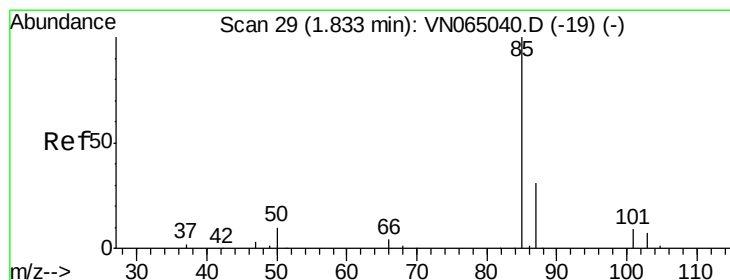
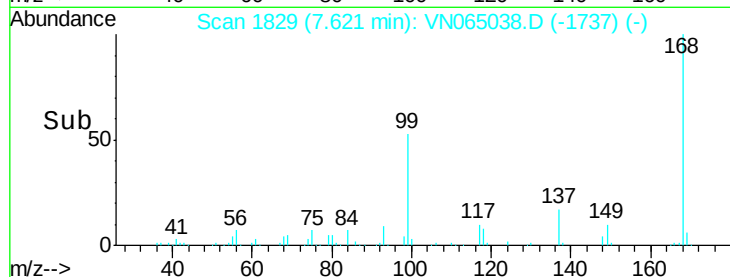
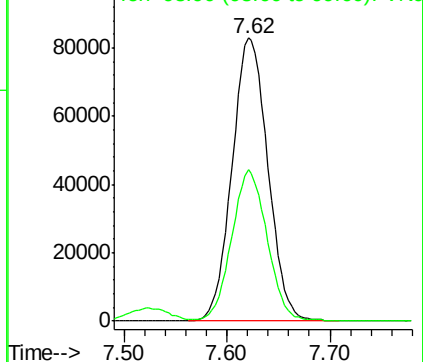
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.598 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065038.D

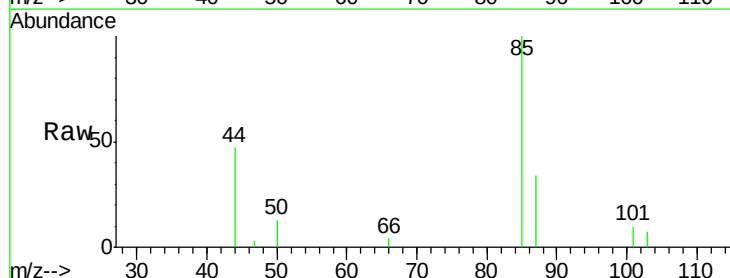
Acq: 10 Dec 2020 10:23

Tgt Ion: 85 Resp: 9384

Ion Ratio Lower Upper

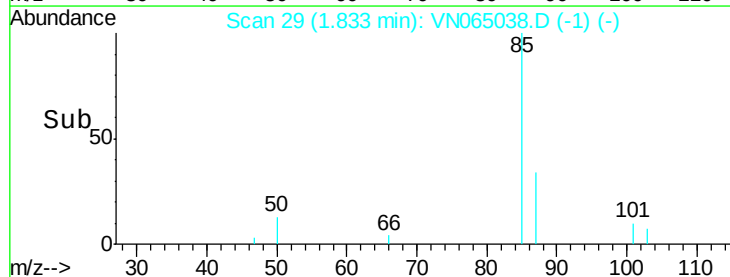
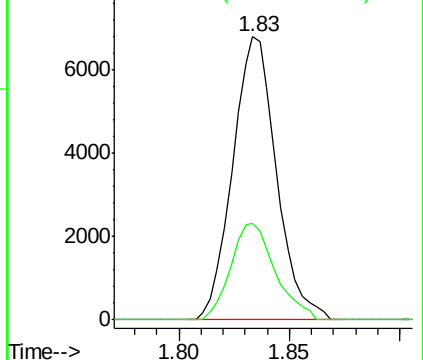
85 100

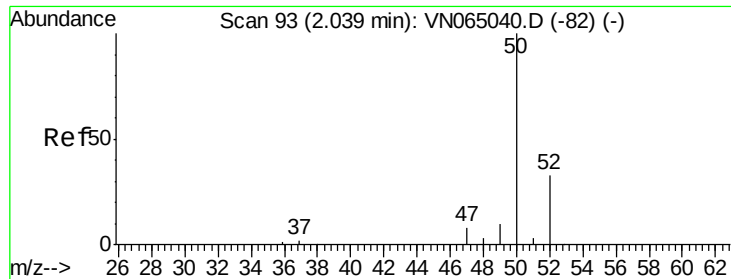
87 34.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





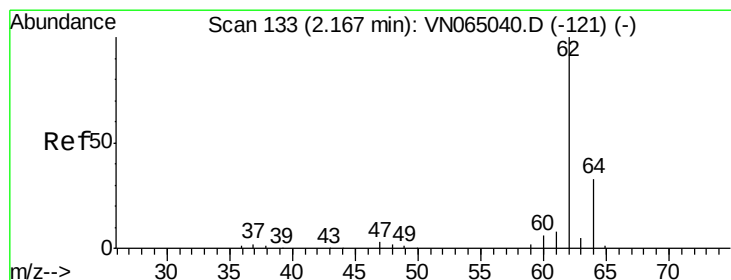
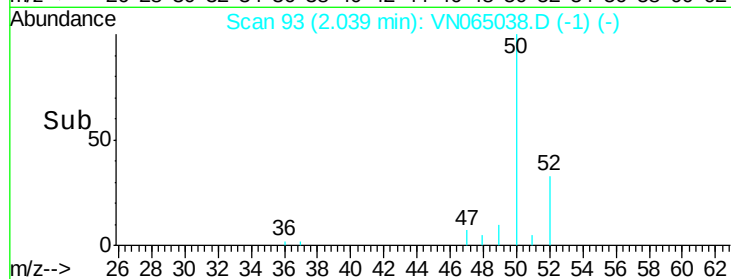
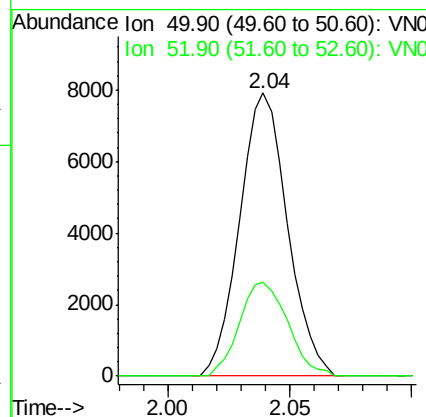
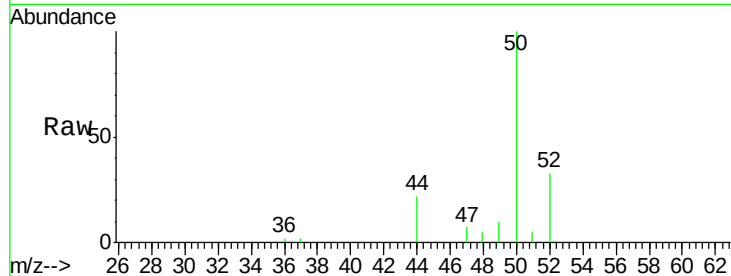
#3
Chloromethane
Concen: 4.902 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 50 Resp: 10752
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7

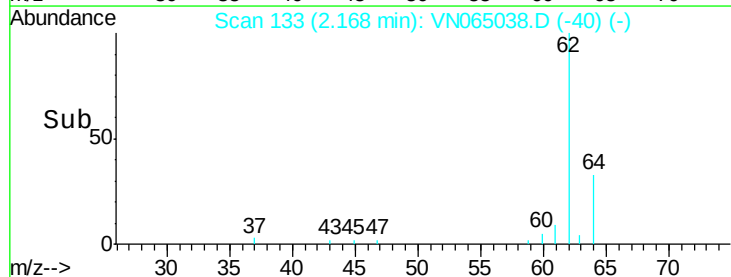
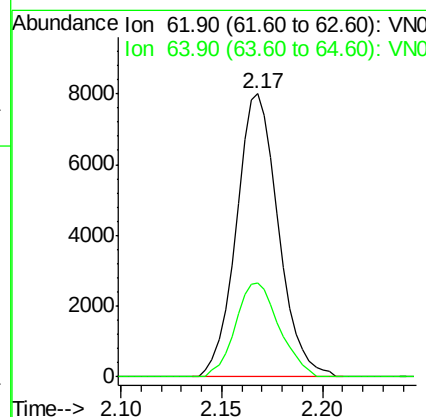
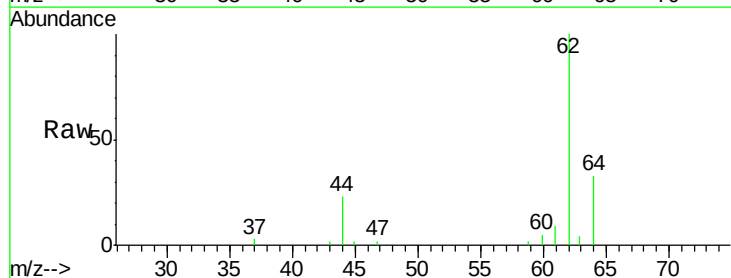
Manual Integrations
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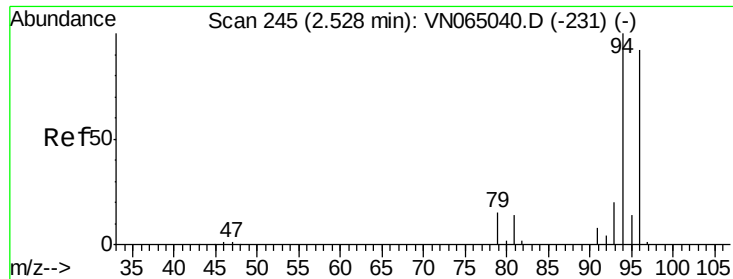
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#4
Vinyl Chloride
Concen: 5.077 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion: 62 Resp: 11672
Ion Ratio Lower Upper
62 100
64 33.3 26.1 39.1





#5

Bromomethane

Concen: 5.255 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7929

Ion Ratio Lower Upper

94 100

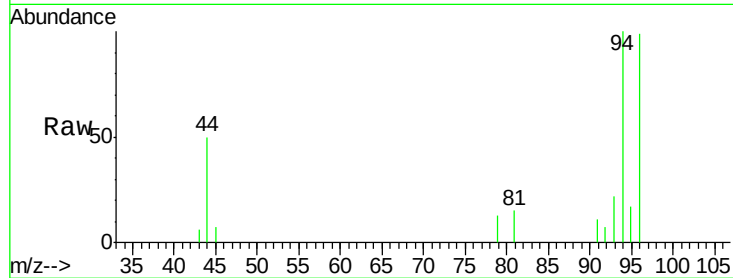
96 98.8 73.8 110.8

Manual Integrations

APPROVED

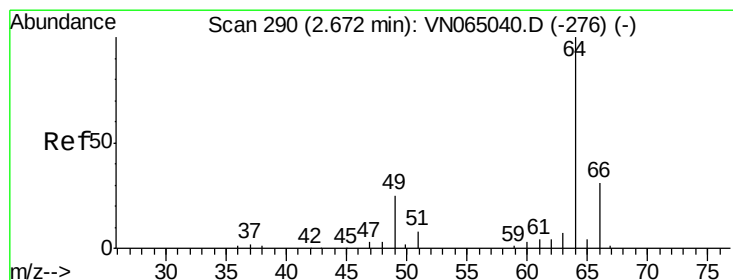
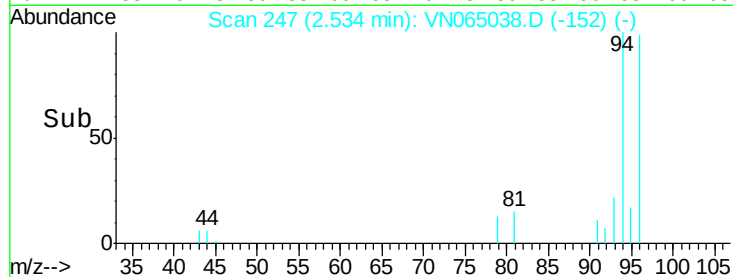
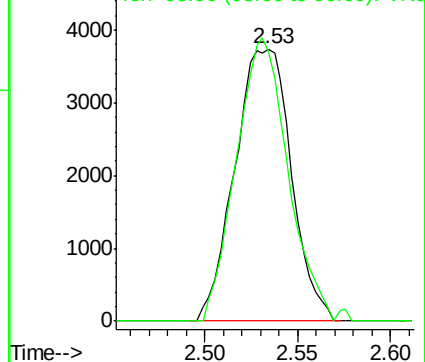
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.181 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN065038.D

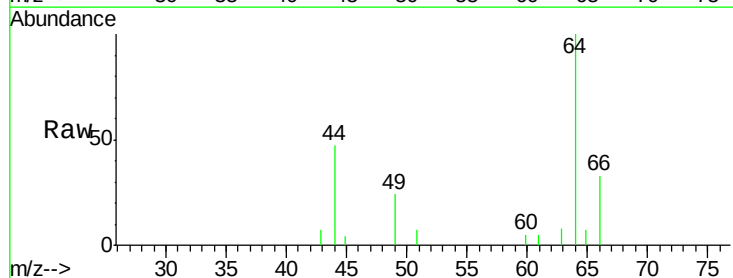
Acq: 10 Dec 2020 10:23

Tgt Ion: 64 Resp: 7453

Ion Ratio Lower Upper

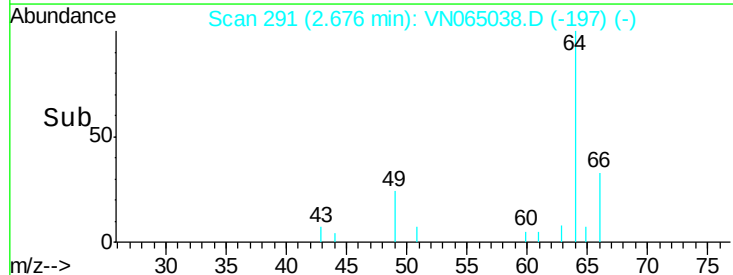
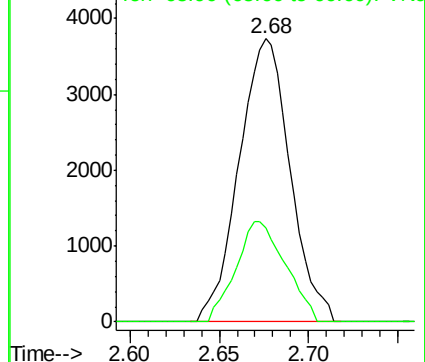
64 100

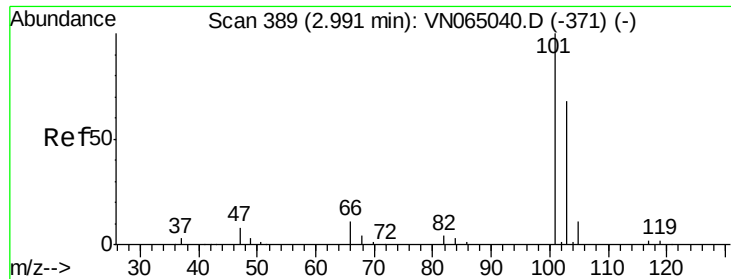
66 33.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

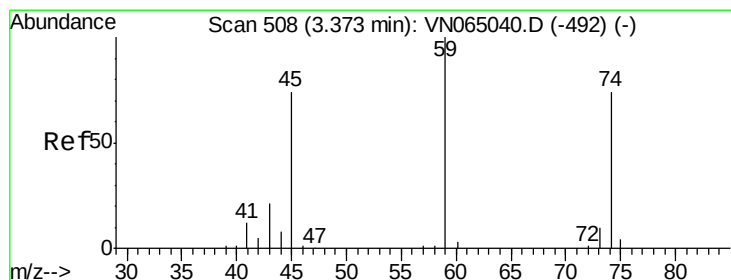
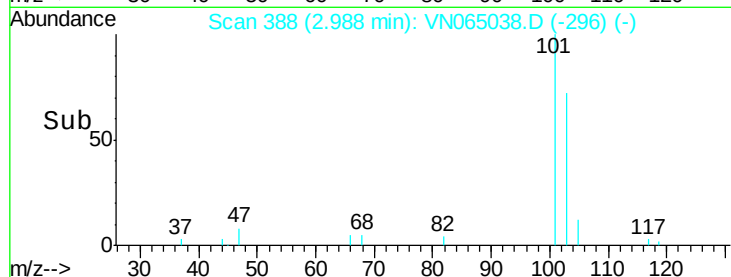
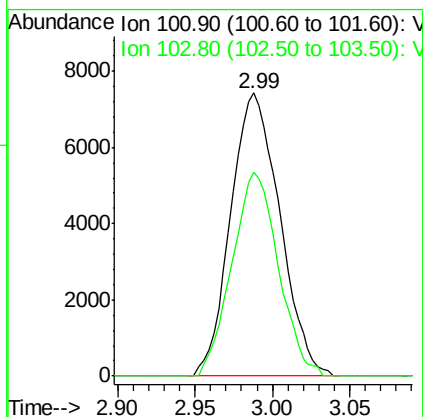
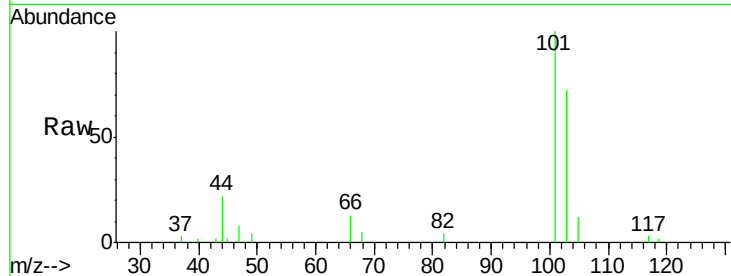
Trichlorofluoromethane
Concen: 5.097 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 16405
Ion Ratio Lower Upper
101 100
103 72.1 54.5 81.7

Manual Integrations
APPROVED

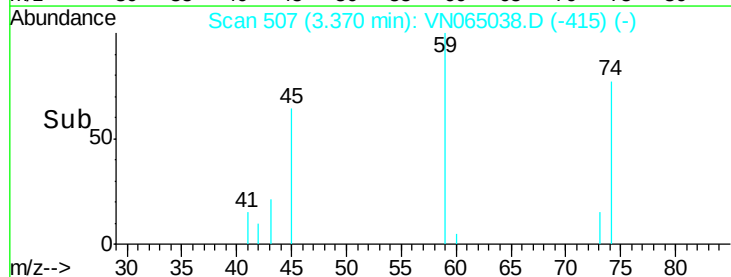
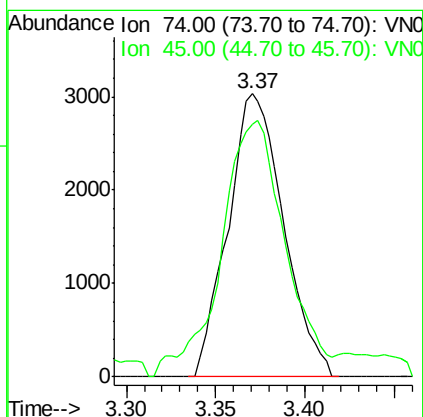
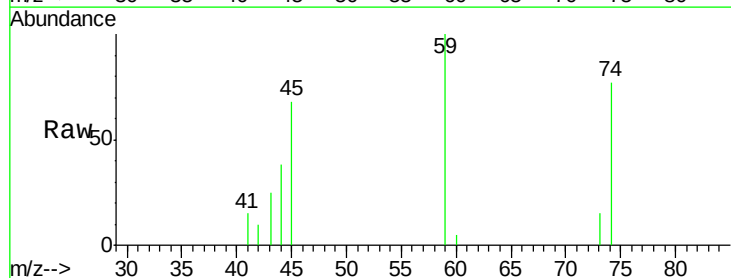
MMDadoda
12/11/2020 12:32:16 PM

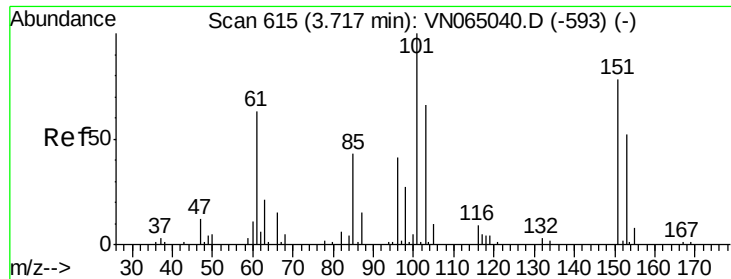


#8

Diethyl Ether
Concen: 5.172 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion: 74 Resp: 6585
Ion Ratio Lower Upper
74 100
45 104.2 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.476 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

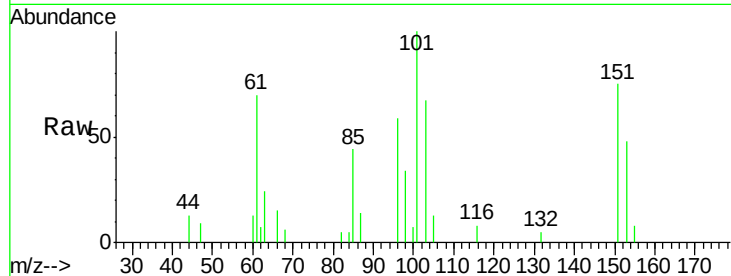
ClientSampleId :

VSTDIC005

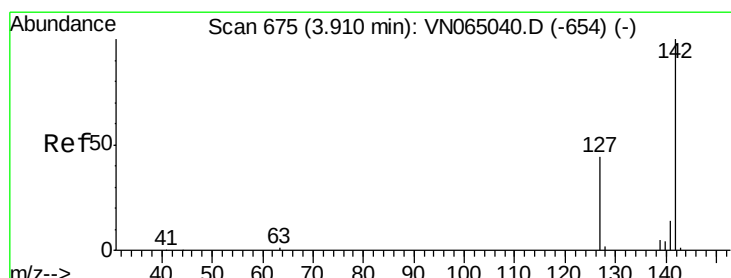
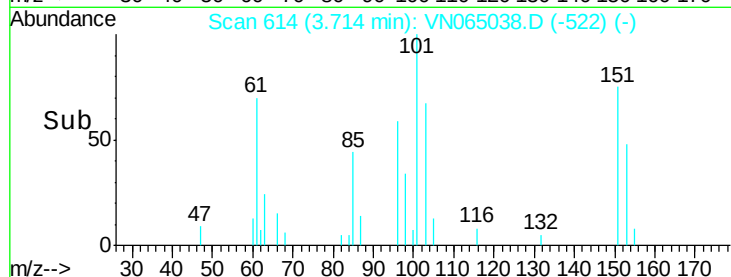
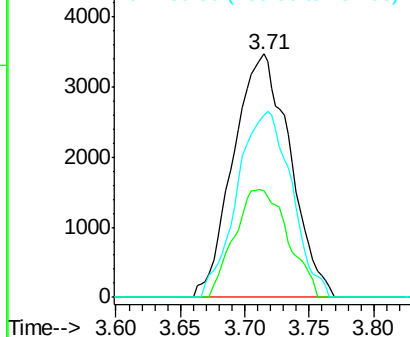
Tot Ion:	101	Resp:	10606
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.2	49.8
151	73.4	63.7	95.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.360 ug/l

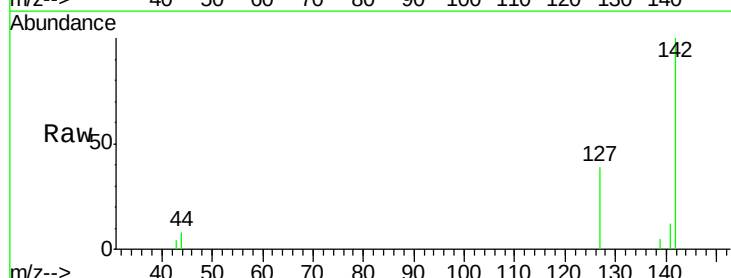
RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

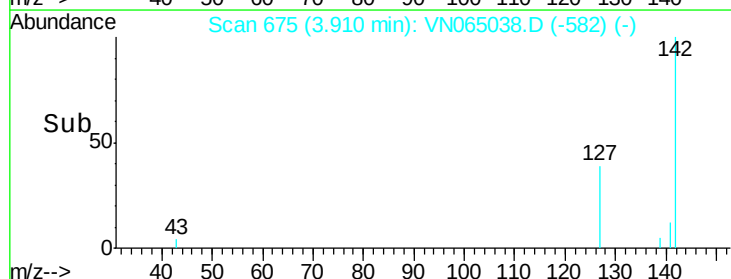
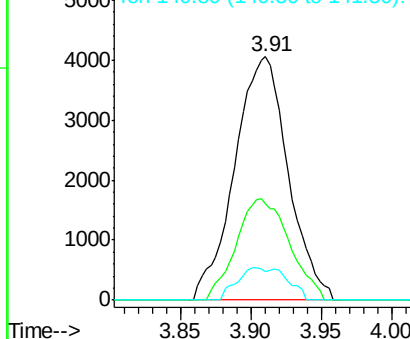
Lab File: VN065038.D

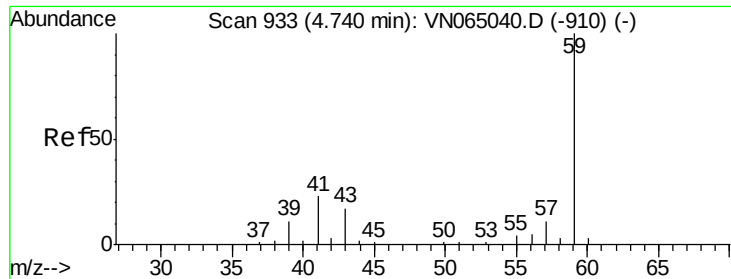
Acq: 10 Dec 2020 10:23

Tgt Ion:	142	Resp:	10758
Ion Ratio	Lower	Upper	
142	100		
127	41.3	34.6	52.0
141	7.2	10.9	16.3#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





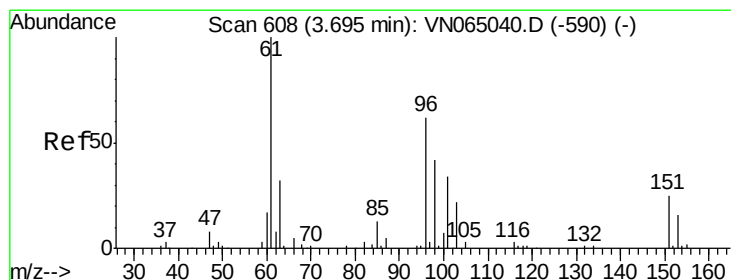
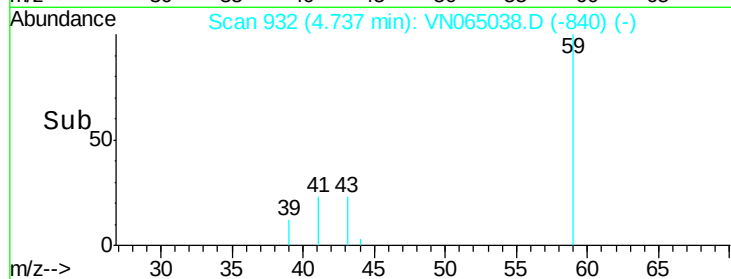
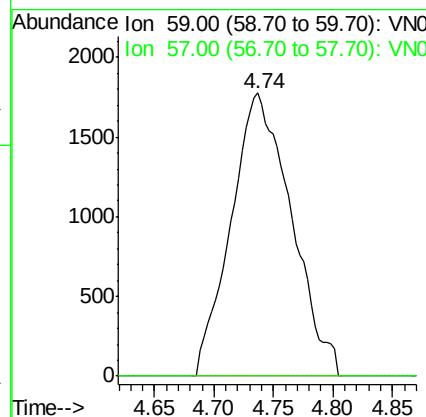
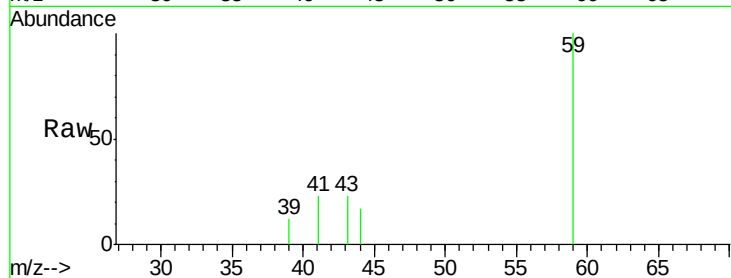
#11
Tert butyl alcohol
Concen: 17.870 ug/l
RT: 4.74 min Scan# 932
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 6234
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

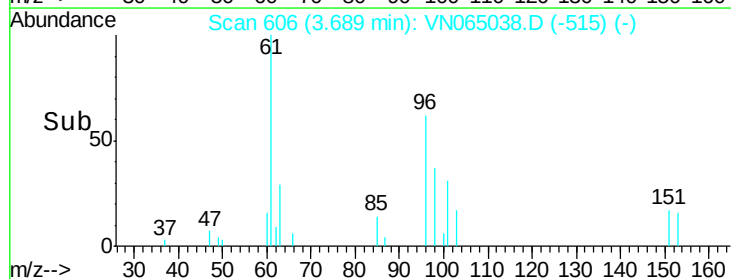
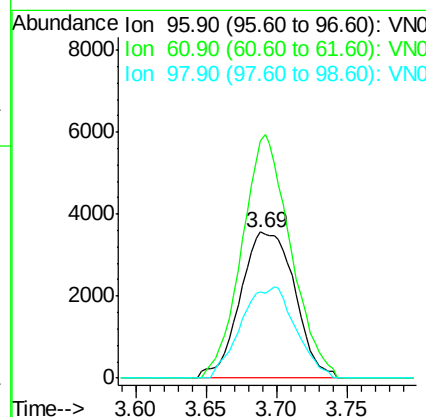
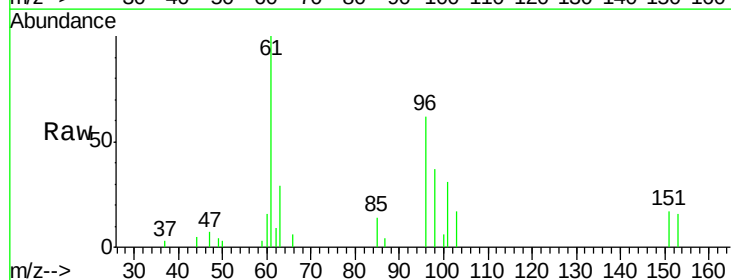
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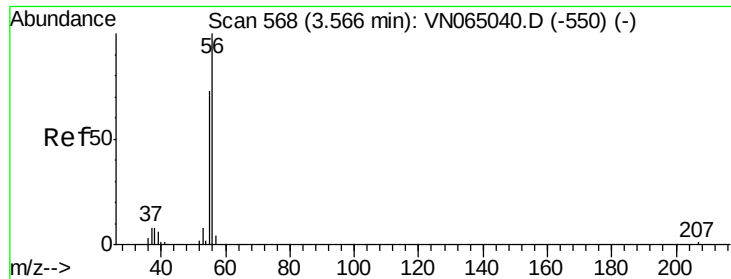
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.036 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion: 96 Resp: 9611
Ion Ratio Lower Upper
96 100
61 162.3 128.4 192.6
98 59.4 53.6 80.4





#13

Acrolein

Concen: 23.366 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5220

Ion Ratio Lower Upper

56 100

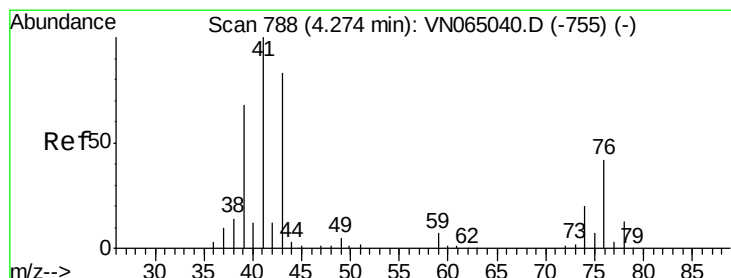
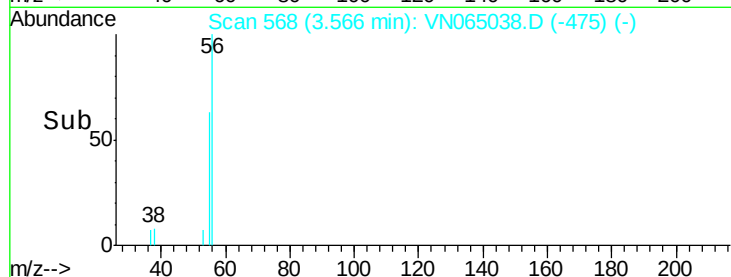
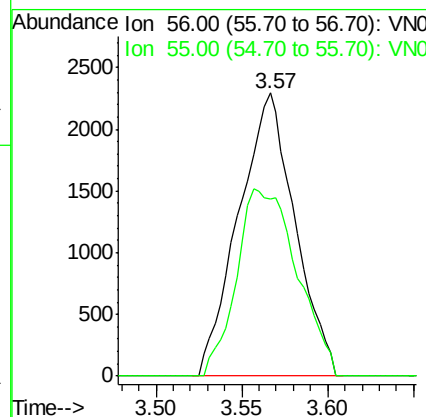
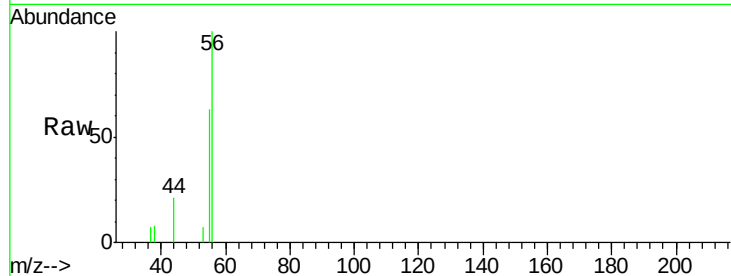
55 70.8 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 4.286 ug/l

RT: 4.27 min Scan# 786

Delta R.T. -0.01 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

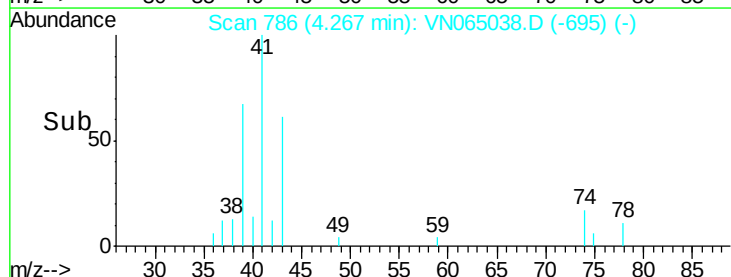
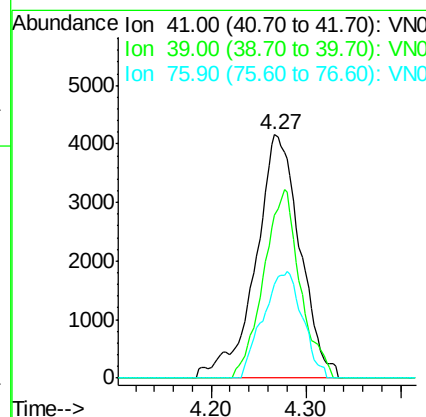
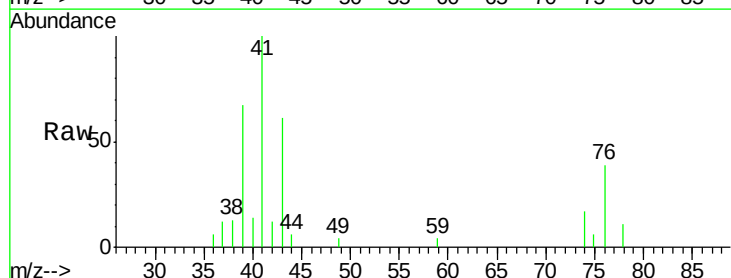
Tgt Ion: 41 Resp: 13513

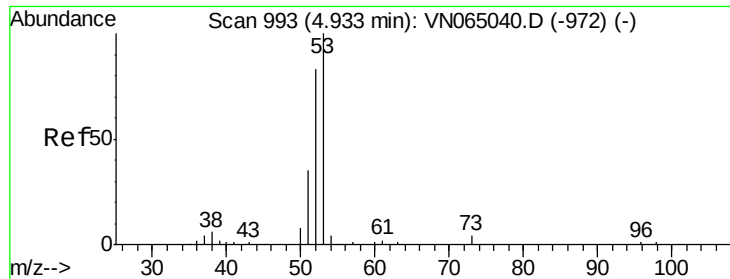
Ion Ratio Lower Upper

41 100

39 63.7 49.0 73.6

76 38.8 29.6 44.4





#15

Acrylonitrile

Concen: 20.166 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

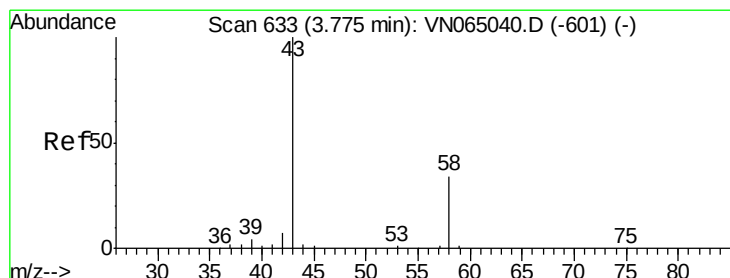
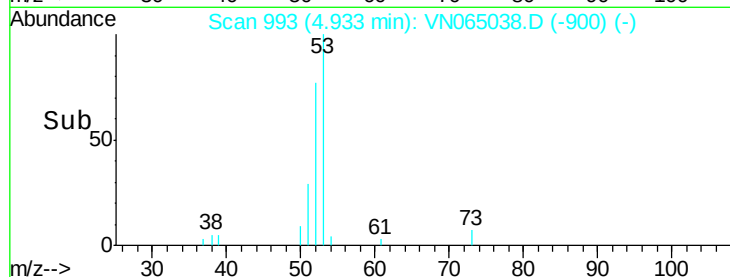
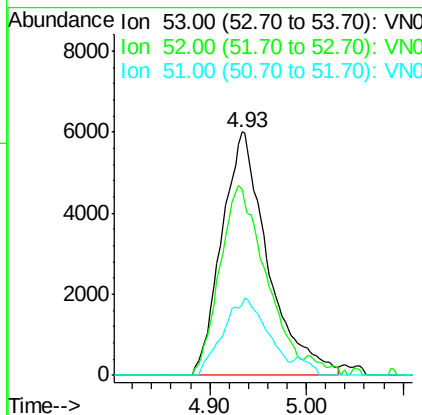
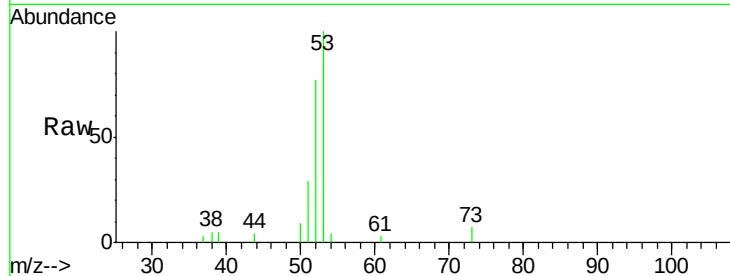
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	19923
Ion	Ratio	Lower	Upper
53	100		
52	77.1	65.4	98.0
51	30.1	27.8	41.6

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#16

Acetone

Concen: 25.684 ug/l

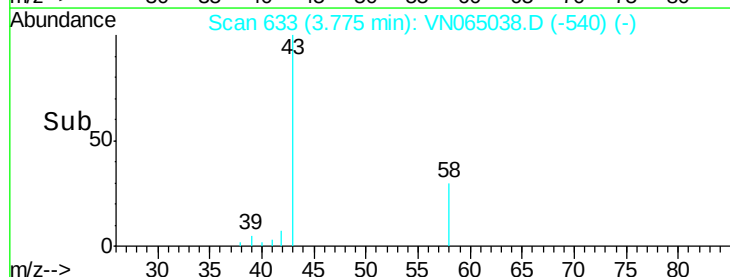
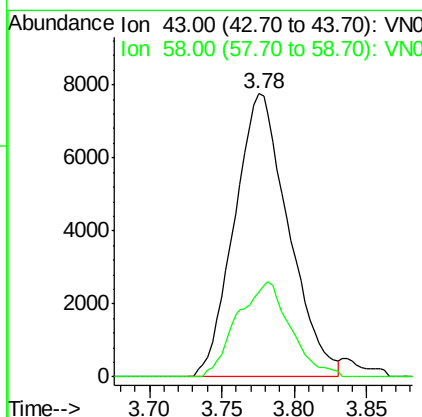
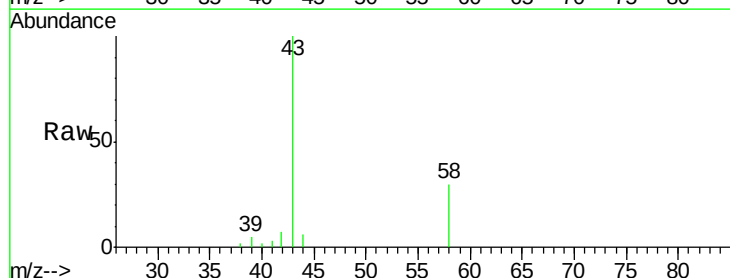
RT: 3.78 min Scan# 633

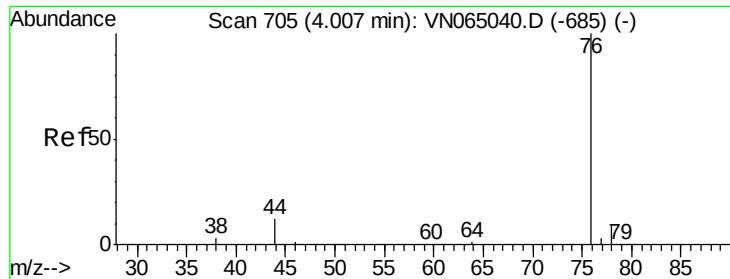
Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Tgt Ion:	43	Resp:	20111
Ion	Ratio	Lower	Upper
43	100		
58	30.0	26.8	40.2





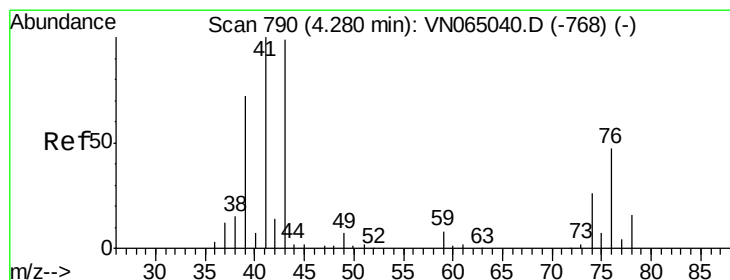
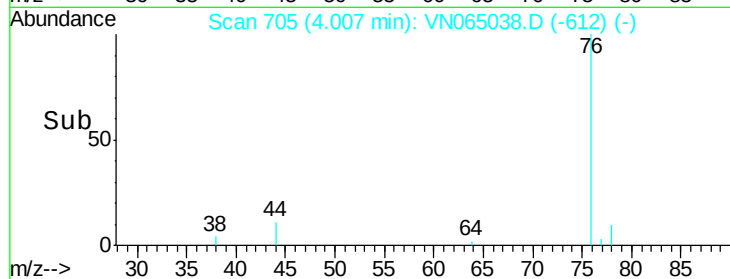
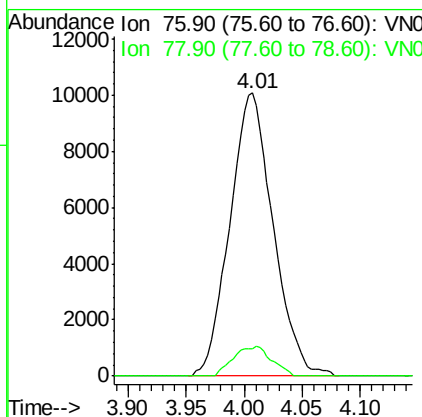
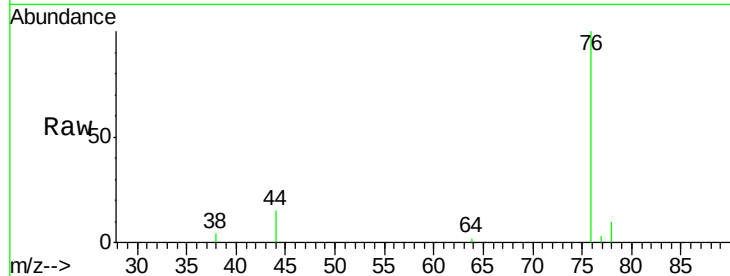
#17
Carbon Disulfide
Concen: 4.789 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 26062
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7

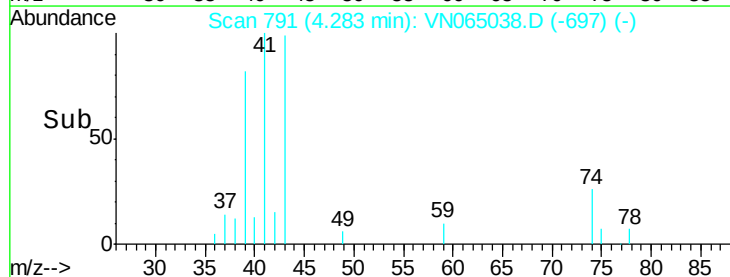
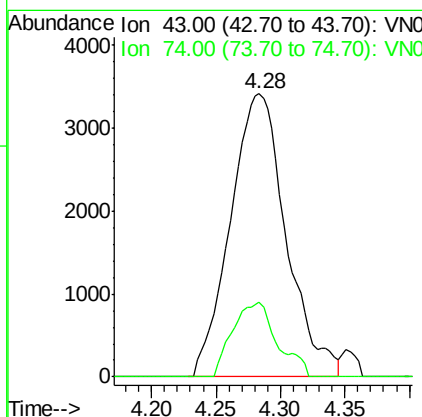
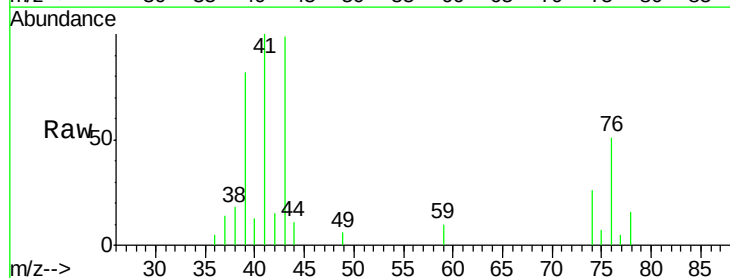
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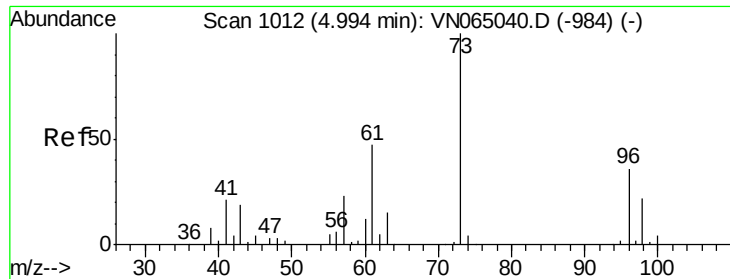
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#18
Methyl Acetate
Concen: 4.492 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion: 43 Resp: 10286
Ion Ratio Lower Upper
43 100
74 21.0 20.1 30.1





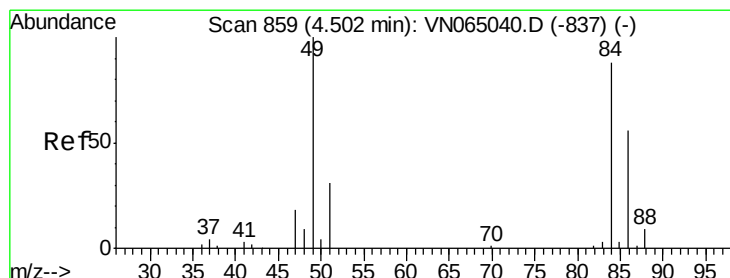
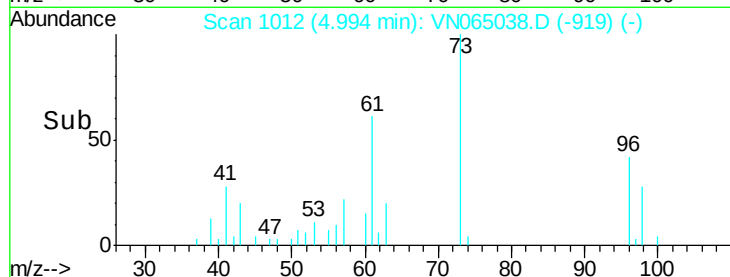
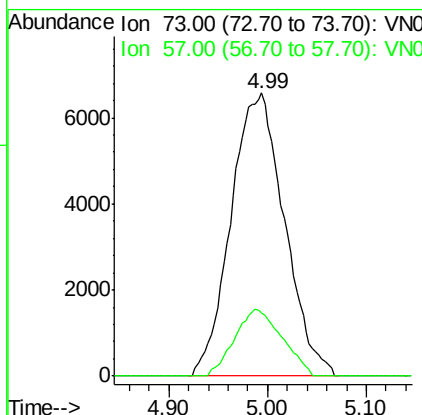
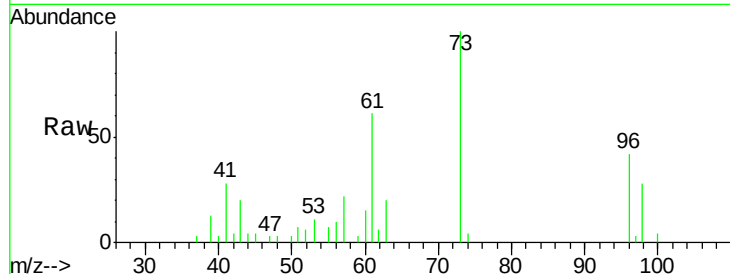
#19
Methyl tert-butyl Ether
Concen: 4.005 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 24687
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

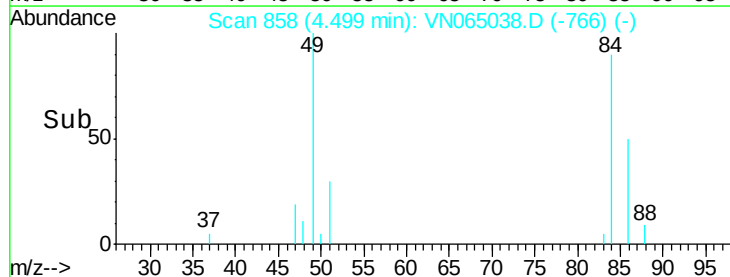
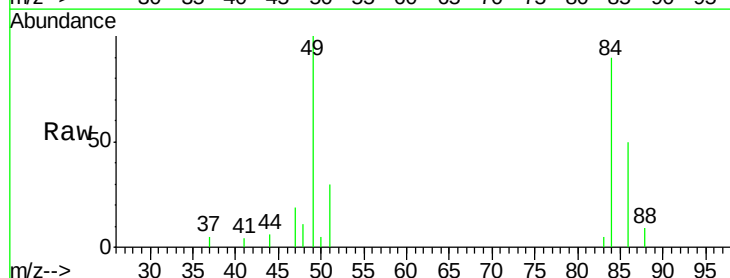
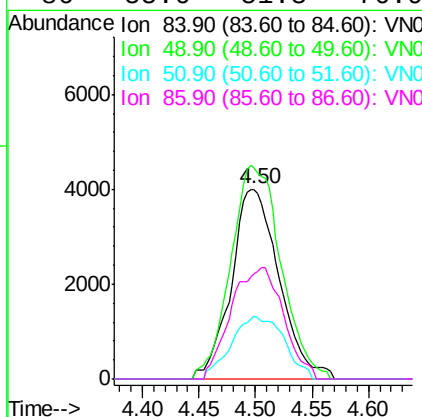
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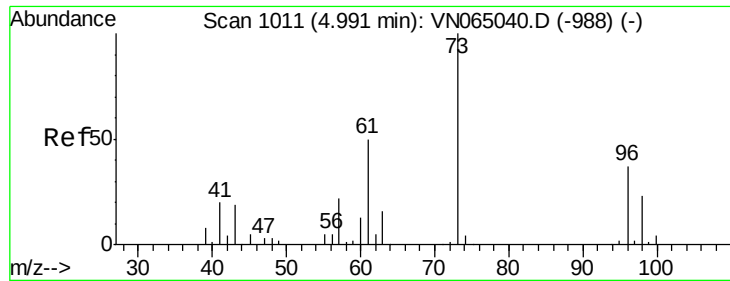
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#20
Methylene Chloride
Concen: 4.931 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion: 84 Resp: 11770
Ion Ratio Lower Upper
84 100
49 111.3 90.8 136.2
51 33.0 28.1 42.1
86 55.6 51.3 76.9





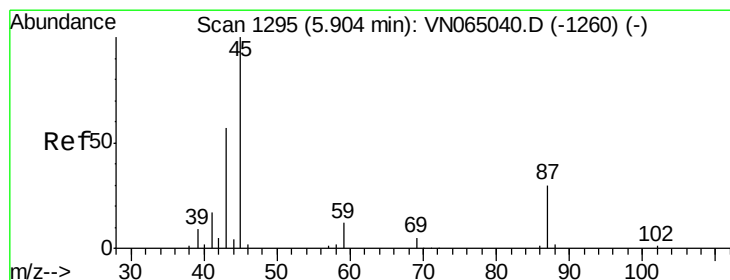
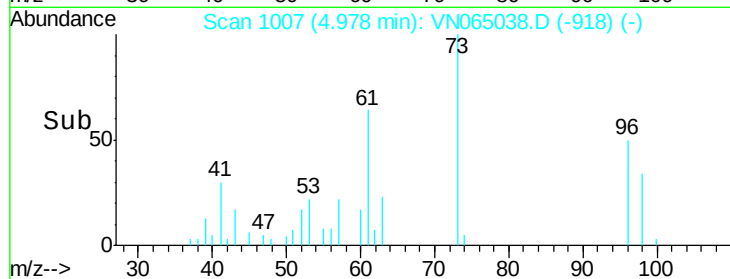
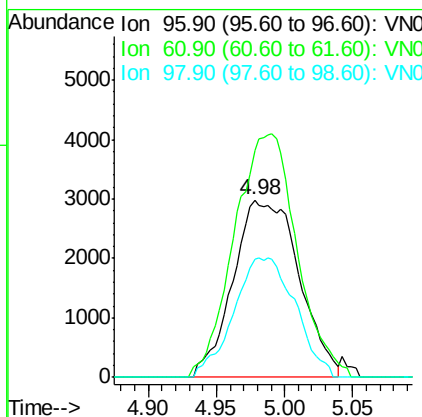
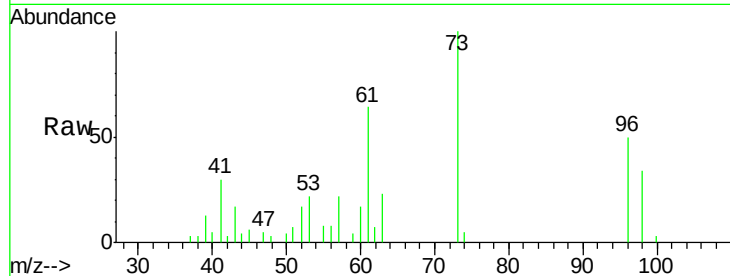
#21
trans-1,2-Dichloroethene
Concen: 4.717 ug/l
RT: 4.98 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	107.1	160.7
98	66.7	49.8	74.8

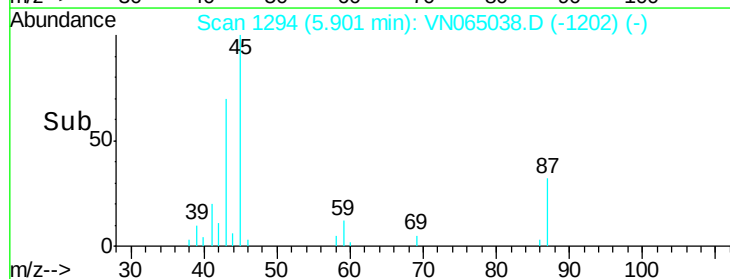
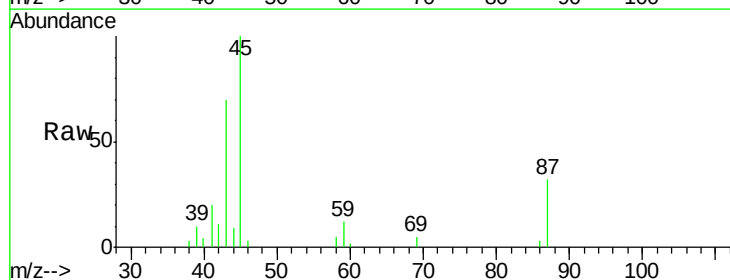
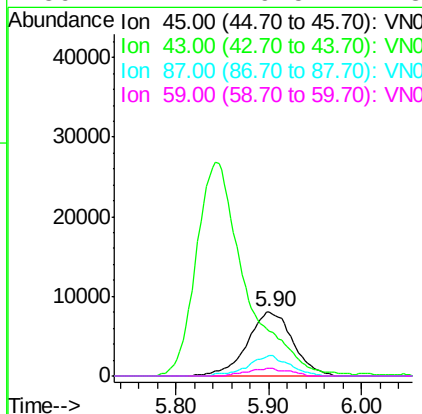
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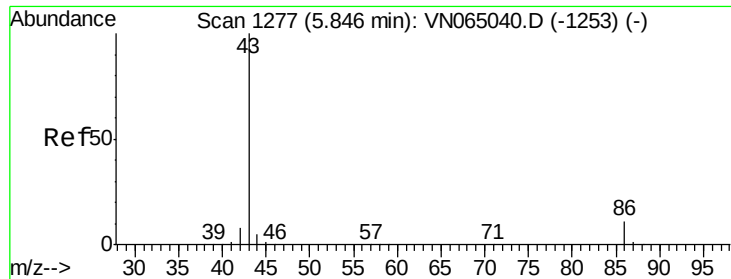
MMDadoda
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#22
Diisopropyl ether
Concen: 4.305 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	47.9	71.9
87	32.2	24.3	36.5
59	12.2	9.5	14.3





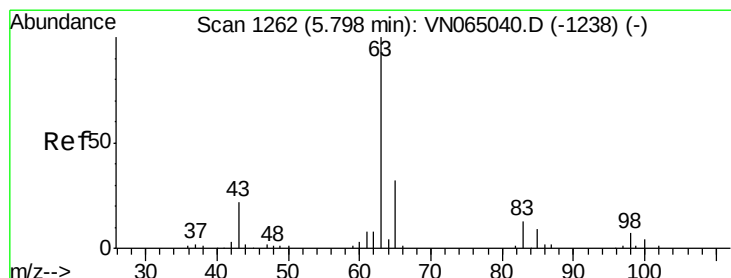
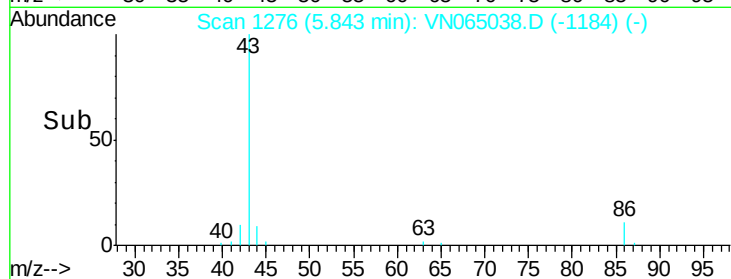
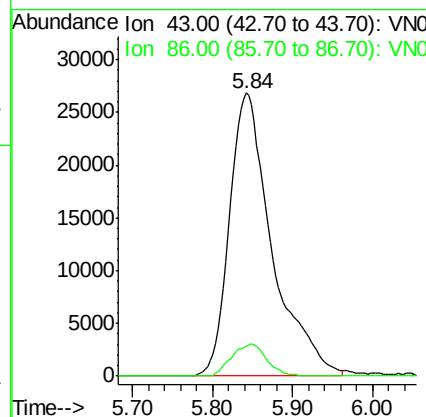
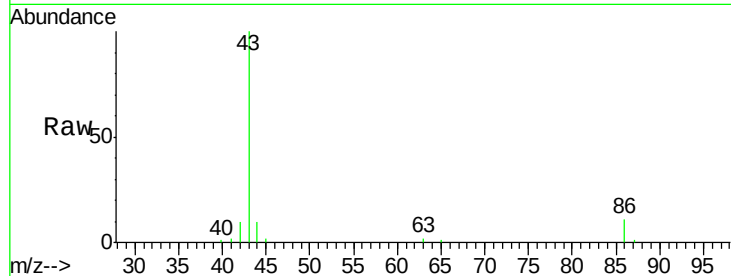
#23
 Vinyl Acetate
 Concen: 19.348 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	97852
Ion Ratio	100	Lower	Upper
43	100		
86	10.7	8.6	12.8

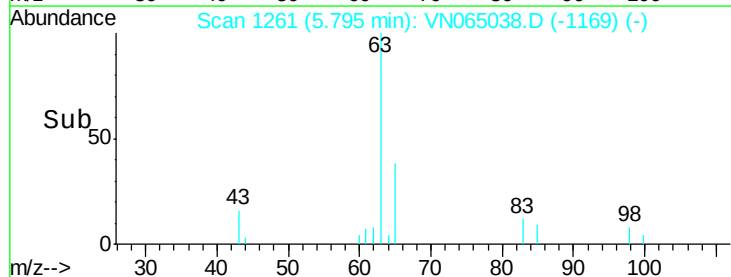
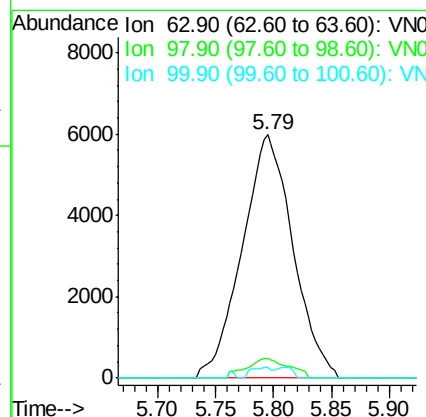
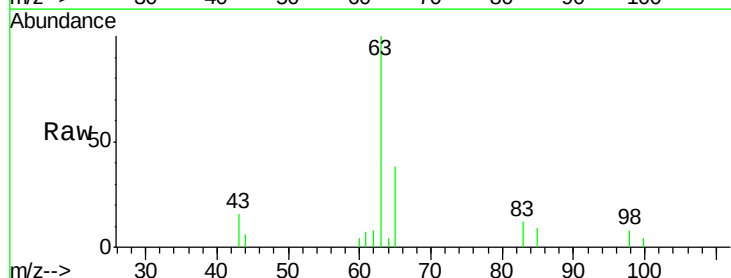
Manual Integrations
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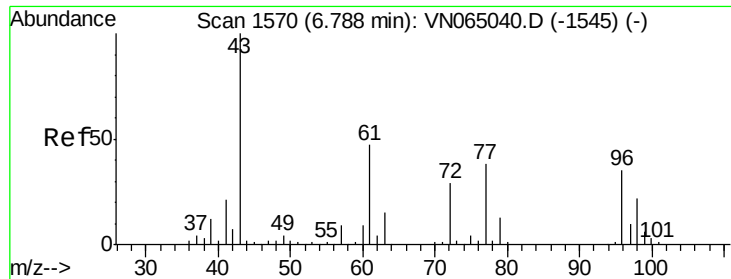
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 4.792 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion	63	Resp	18230
Ion Ratio	100	Lower	Upper
63	100		
98	8.0	3.3	9.9
100	4.2	2.1	6.2





#25

2-Butanone

Concen: 21.056 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25763

Ion Ratio Lower Upper

43 100

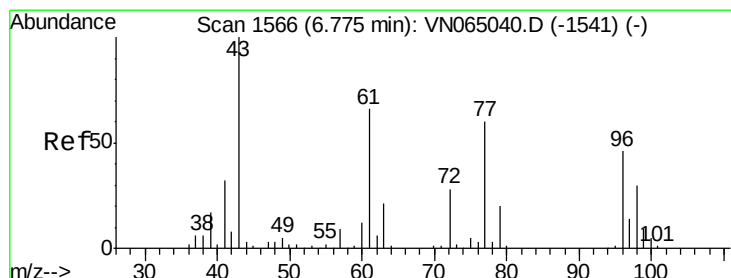
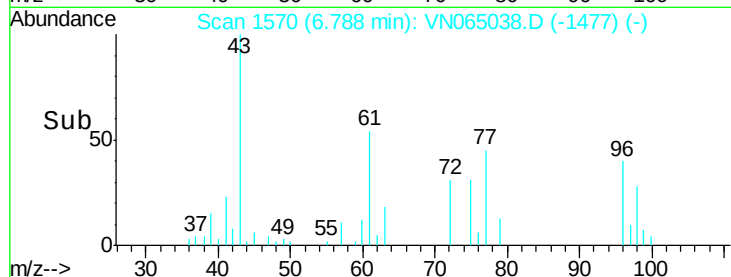
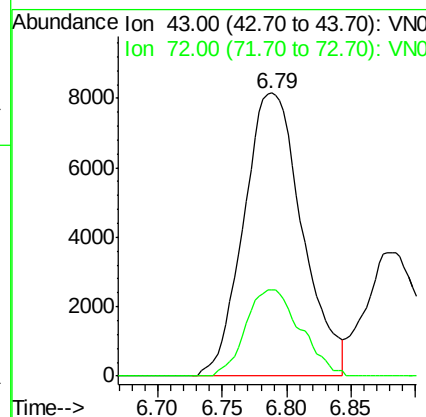
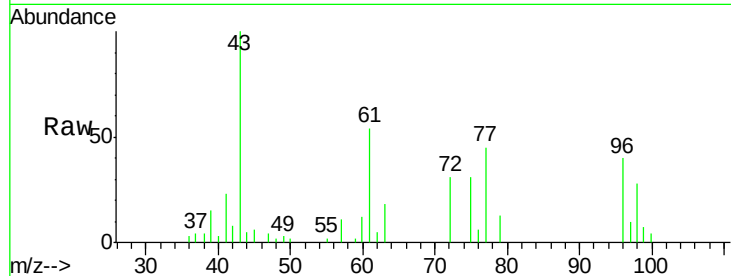
72 30.6 22.9 34.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.726 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN065038.D

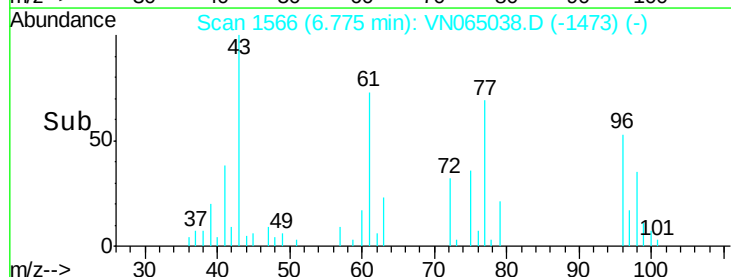
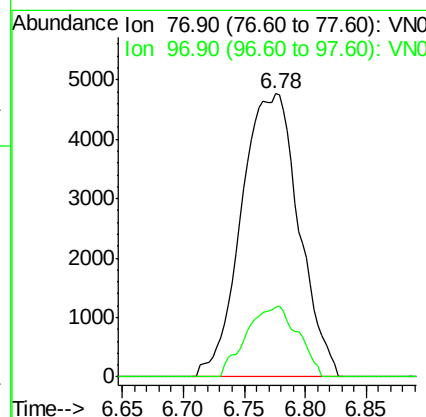
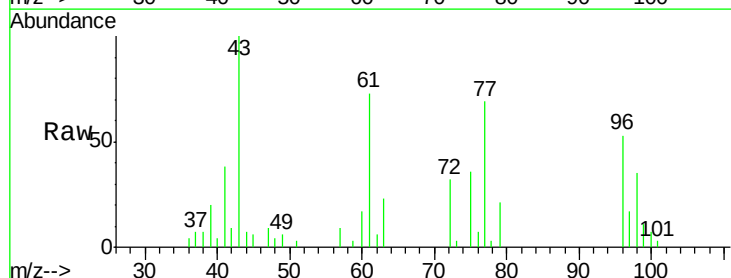
Acq: 10 Dec 2020 10:23

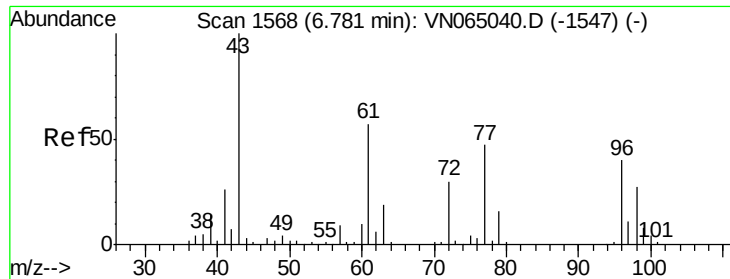
Tgt Ion: 77 Resp: 15586

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 4.602 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

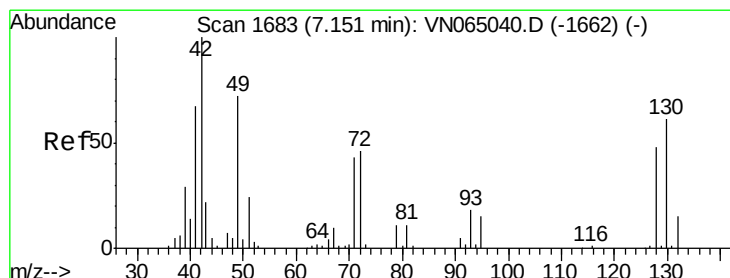
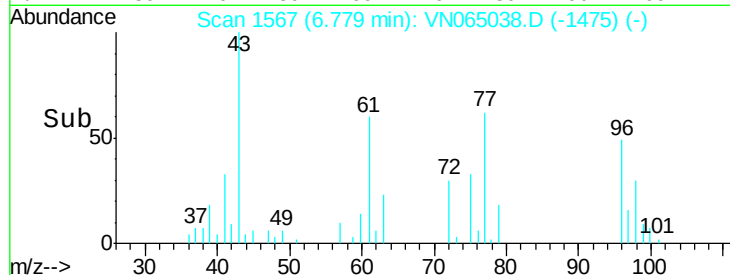
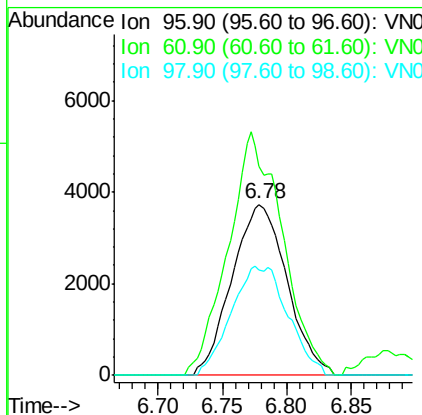
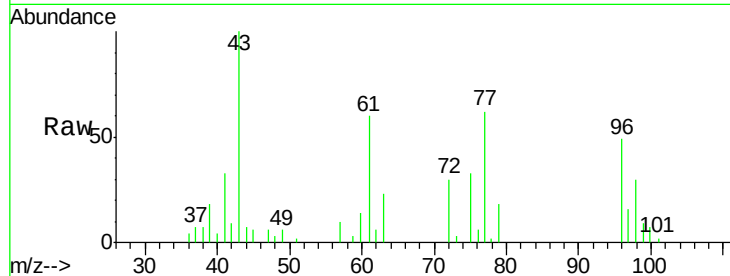
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11073
Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	283.6
98	65.6	0.0	130.8

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#28

Bromochloromethane

Concen: 5.194 ug/l

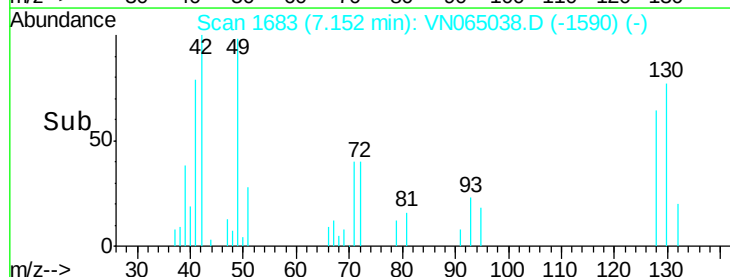
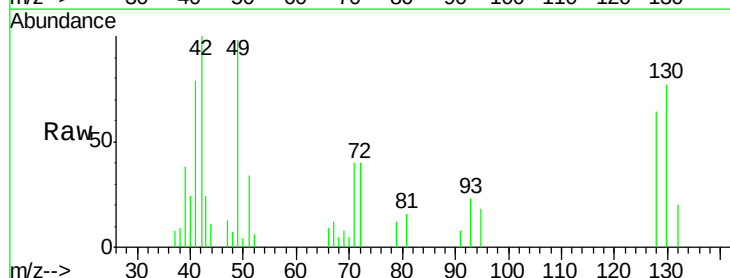
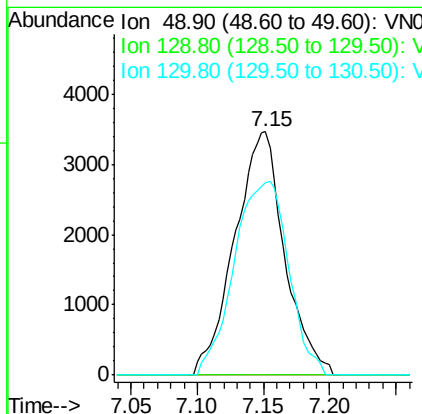
RT: 7.15 min Scan# 1683

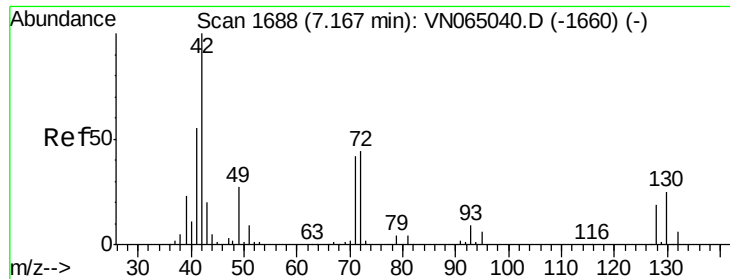
Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Tgt Ion:	49	Resp:	9049
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	86.7	67.9	101.9





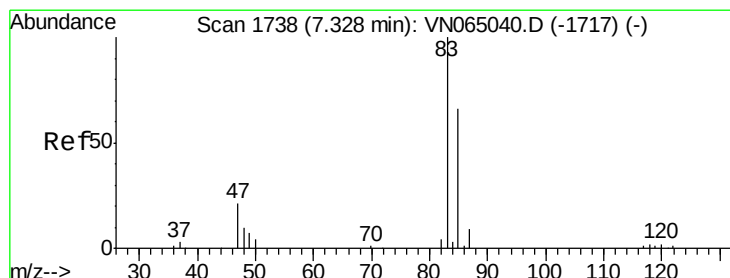
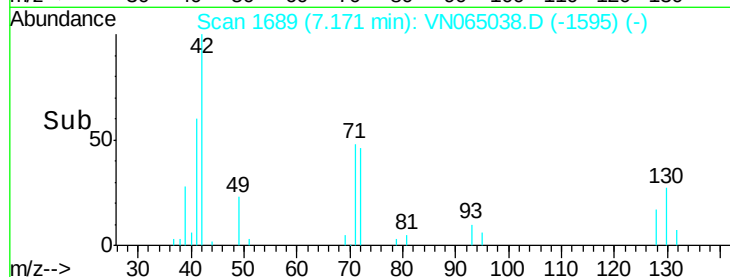
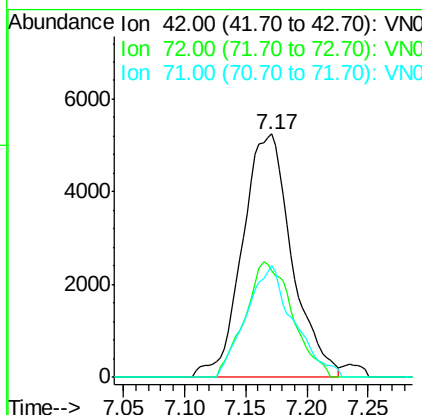
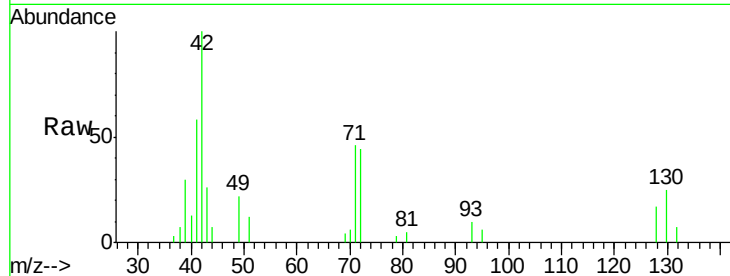
#29
Tetrahydrofuran
Concen: 17.603 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.8	53.6
71	44.1	33.5	50.3

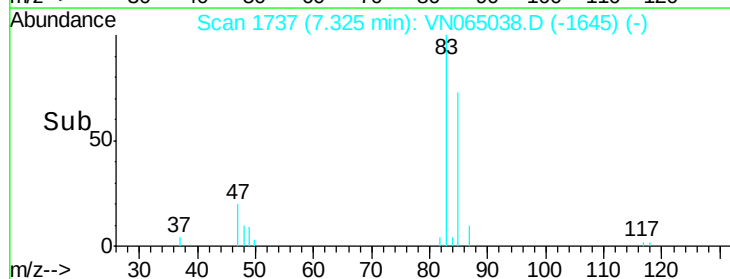
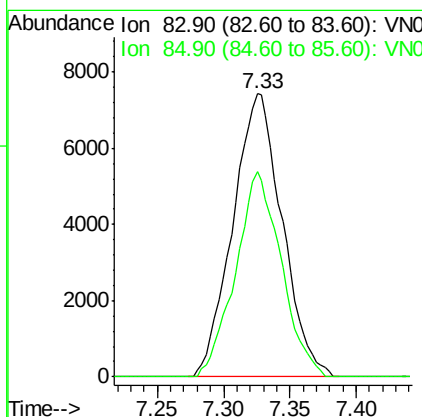
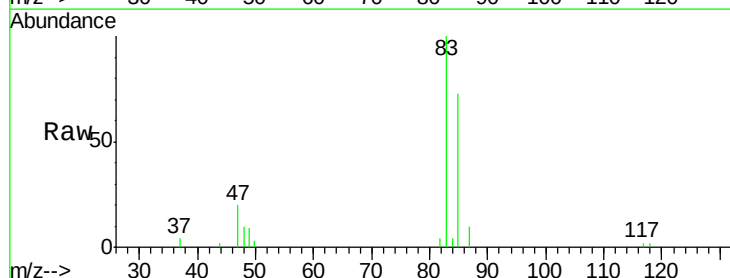
Manual Integrations
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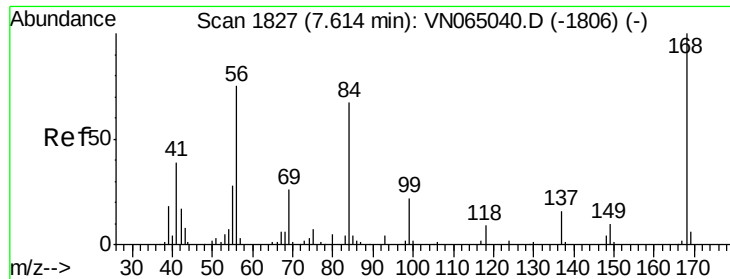
MMDadoda
12/11/2020 12:32:16 PM



#30
Chloroform
Concen: 4.877 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.7	52.6	78.8





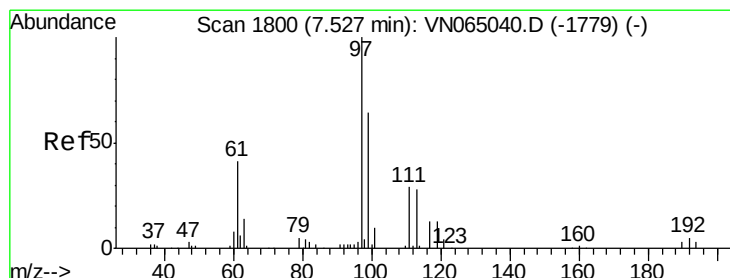
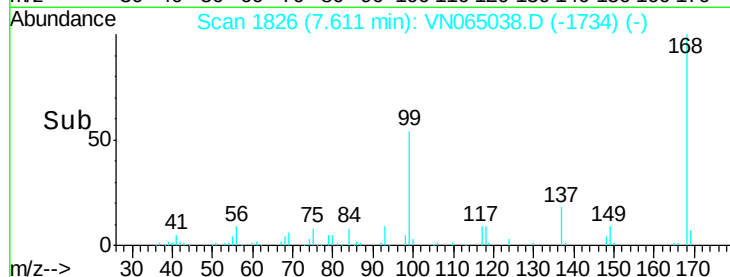
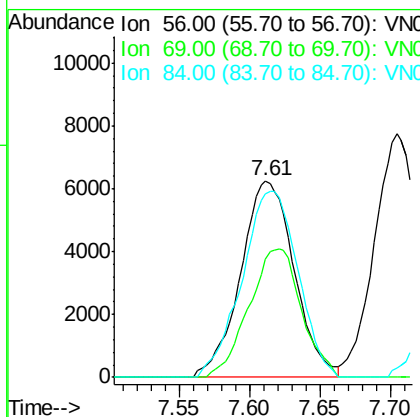
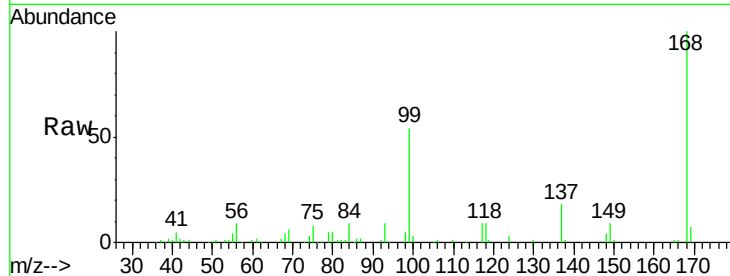
#31
Cyclohexane
Concen: 5.227 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	56	69	84
Resp	16573		
Ratio	100	59.9	93.0
Lower		27.5	72.4
Upper		41.3#	108.6

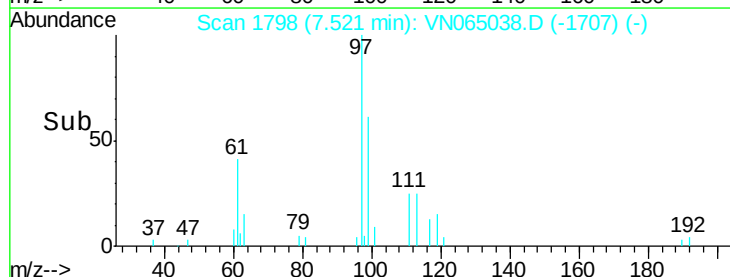
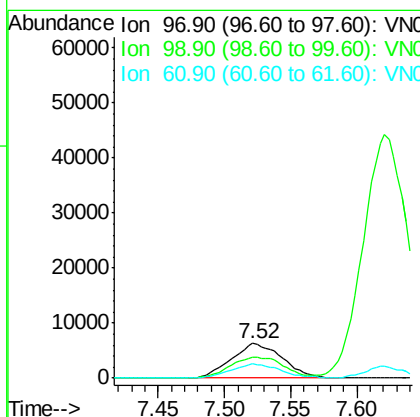
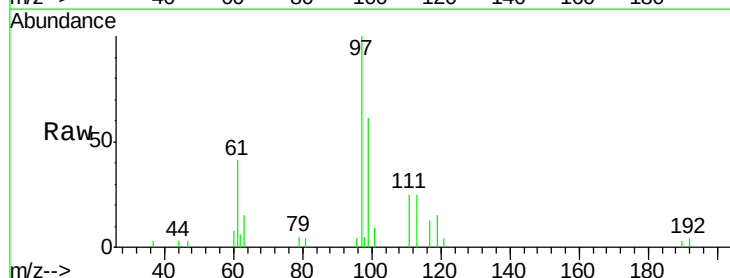
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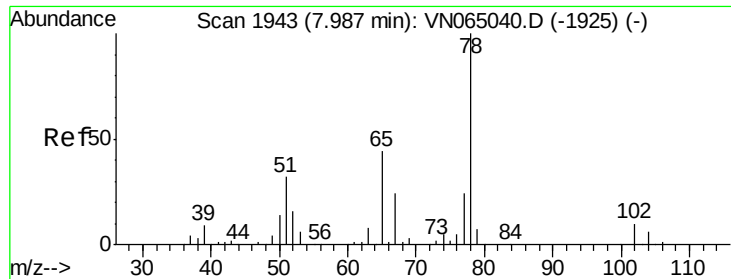
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.955 ug/l
RT: 7.52 min Scan# 1798
Delta R.T. -0.01 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	97	99	61
Resp	16722		
Ratio	100	64.3	39.2
Lower		51.7	33.5
Upper		77.5	50.3





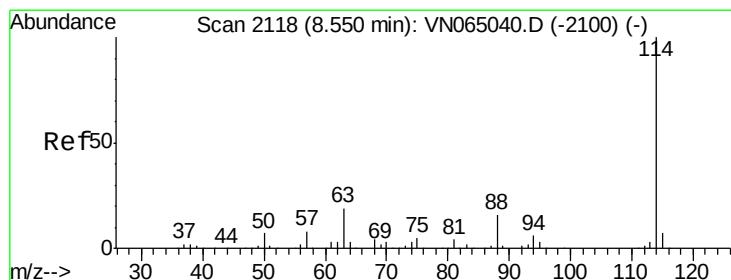
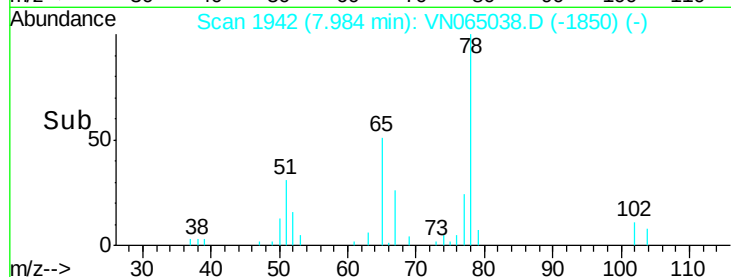
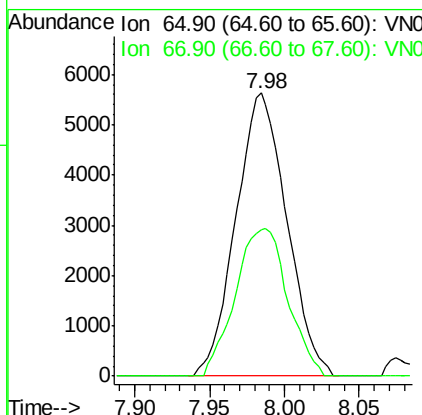
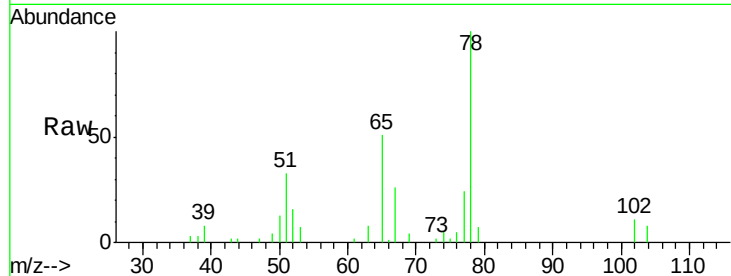
#33
 1,2-Dichloroethane-d4
 Concen: 5.710 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	108.4

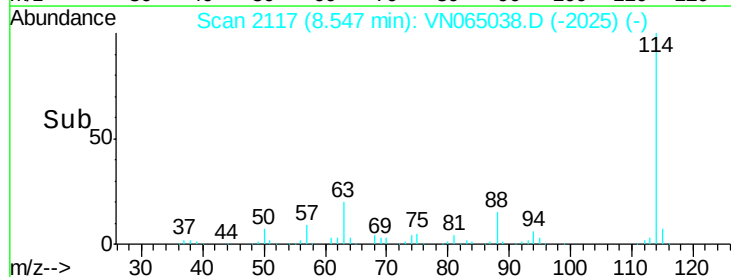
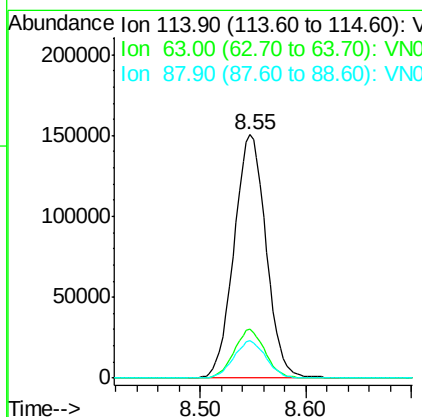
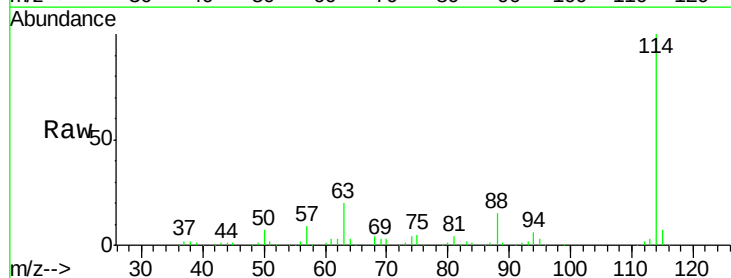
Manual Integrations
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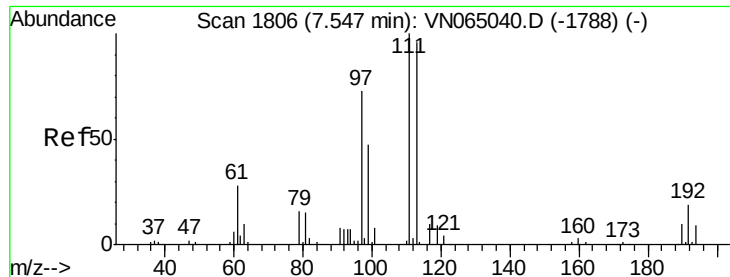
MMDadoda
 12/11/2020 12:32:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	38.2
88	15.3	0.0	31.6





#35

Dibromofluoromethane

Concen: 5.802 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:113 Resp: 11173

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

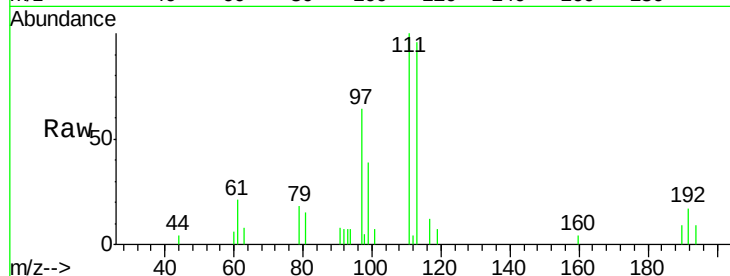
192 18.1 16.2 24.2

Manual Integrations

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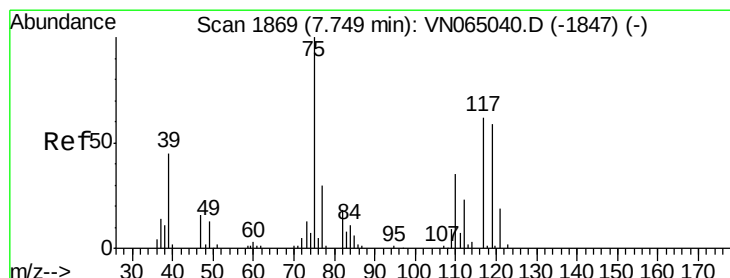
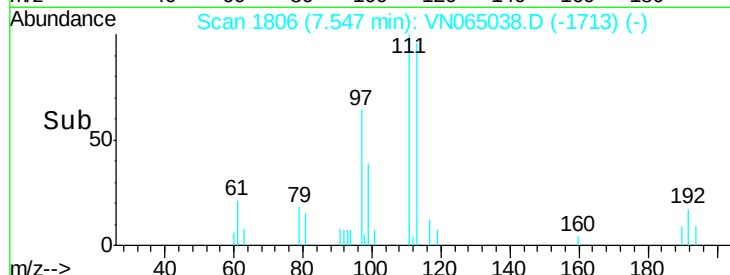
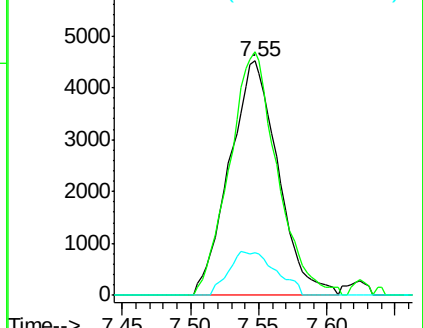
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.725 ug/l

RT: 7.75 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

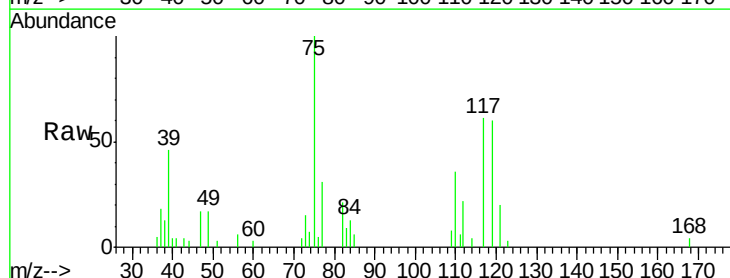
Tgt Ion: 75 Resp: 13758

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.1

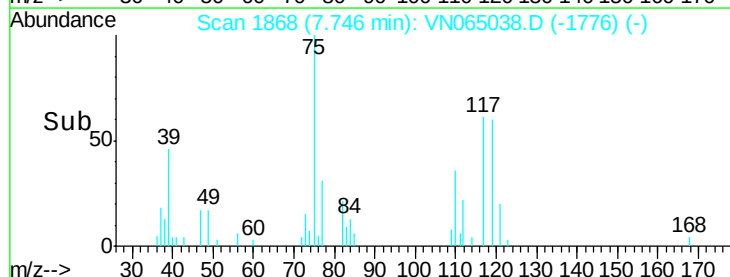
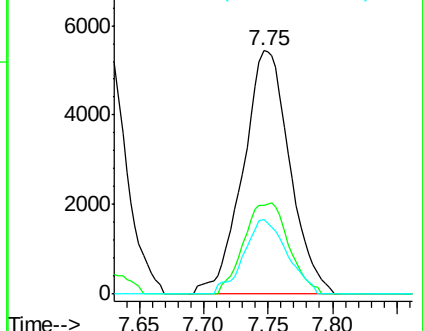
77 28.2 24.5 36.7

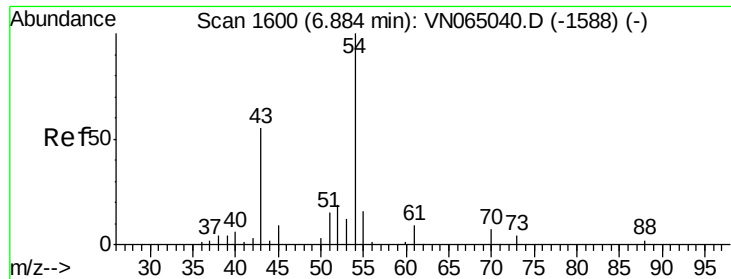


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





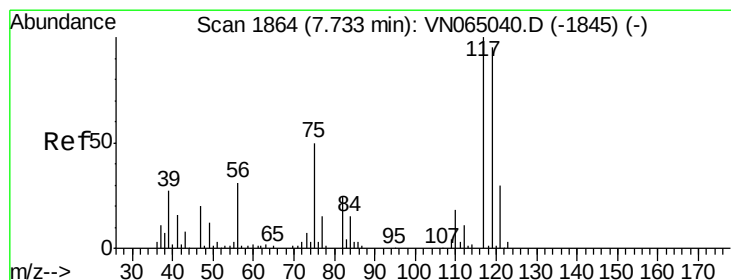
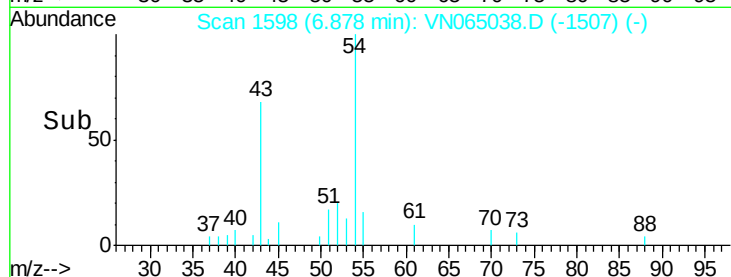
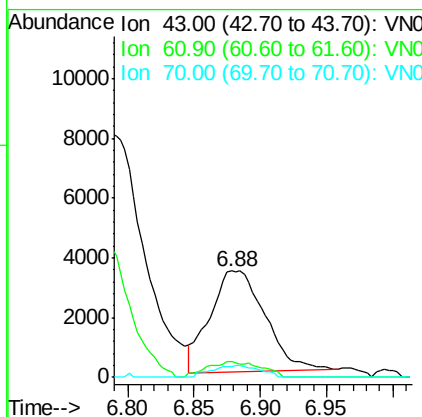
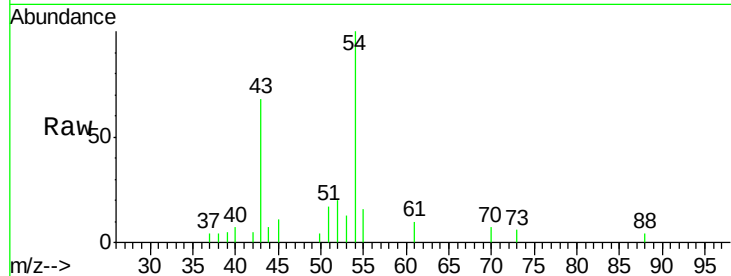
#37
Ethyl Acetate
Concen: 3.512 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70
Resp	9697		
Ratio	100	15.4	10.4
Lower		11.9	9.2
Upper		17.9	13.8

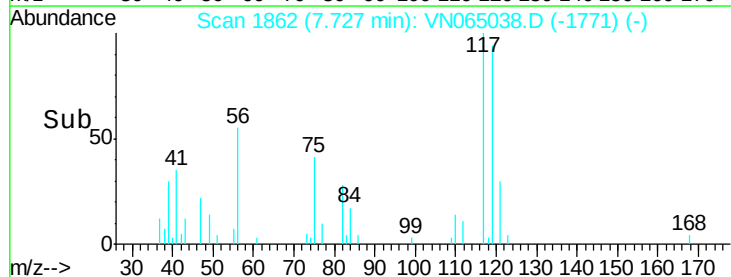
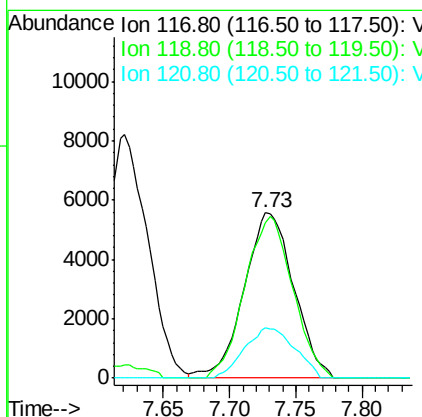
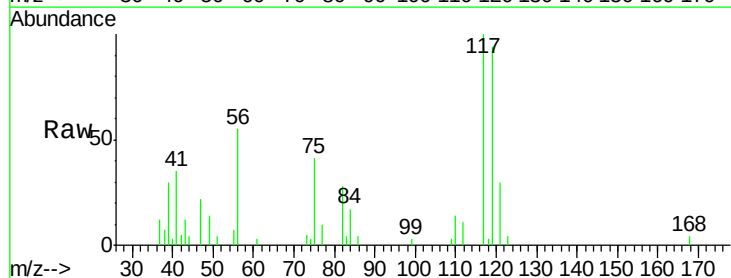
Manual Integrations
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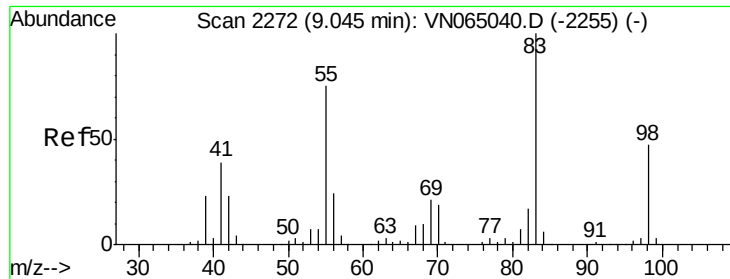
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#38
Carbon Tetrachloride
Concen: 4.774 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	117	119	121
Resp	14484		
Ratio	100	93.8	30.1
Lower		75.9	24.1
Upper		113.9	36.1





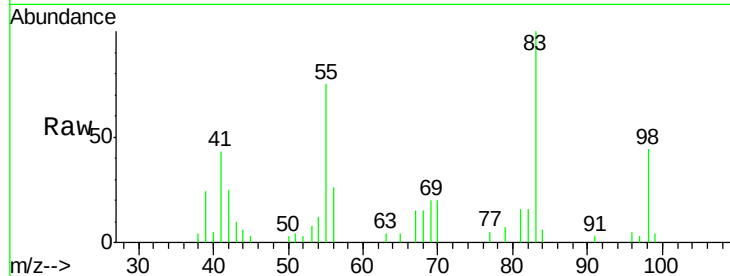
#39
Methylvlcyclohexane
Concen: 4.104 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.3	90.5
98	43.9	37.4	56.0

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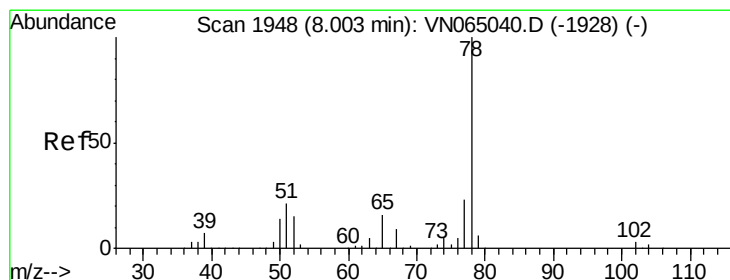
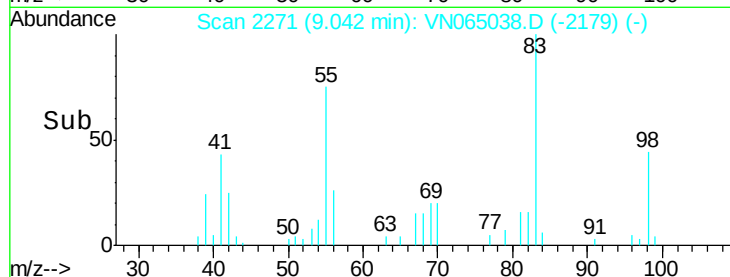
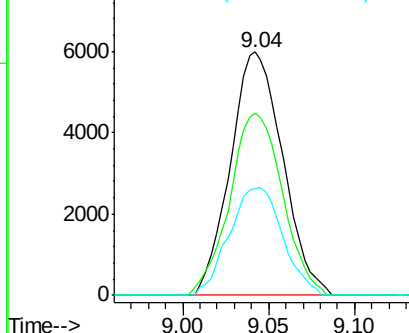


Abundance

Ion 83.00 (82.70 to 83.70): VN065040.D (-2255) (-)

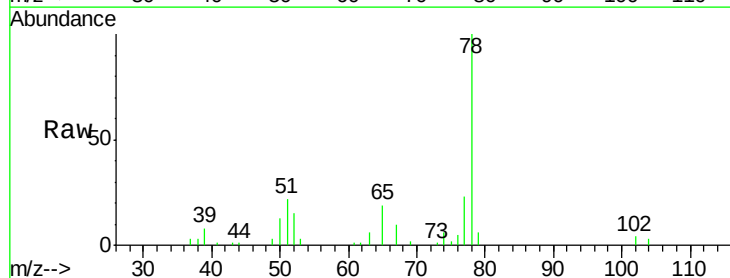
Ion 55.00 (54.70 to 55.70): VN065040.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN065040.D (-2255) (-)



#40
Benzene
Concen: 4.726 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

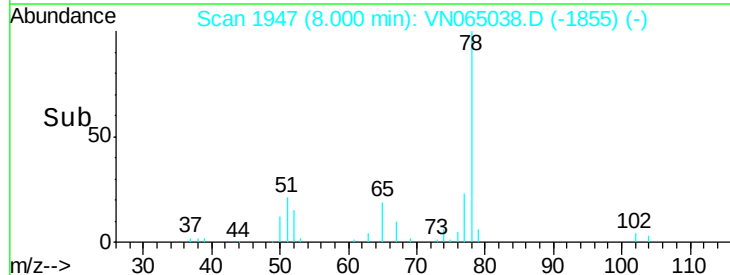
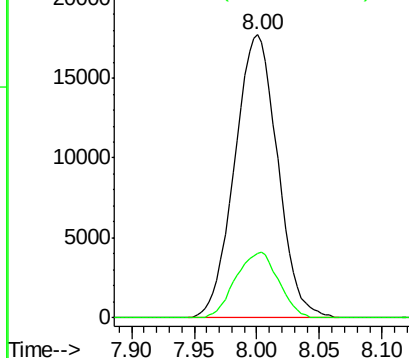
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1

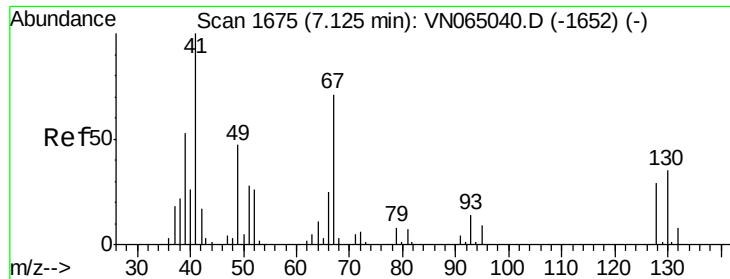


Abundance

Ion 78.00 (77.70 to 78.70): VN065040.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN065040.D (-1928) (-)





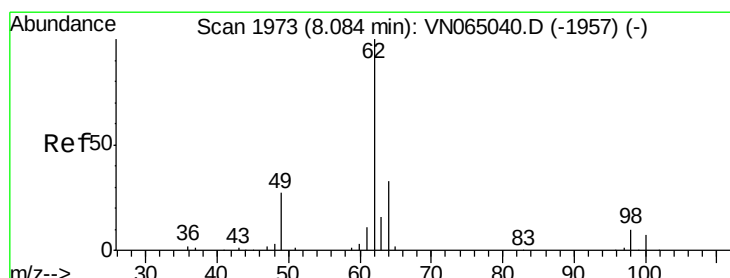
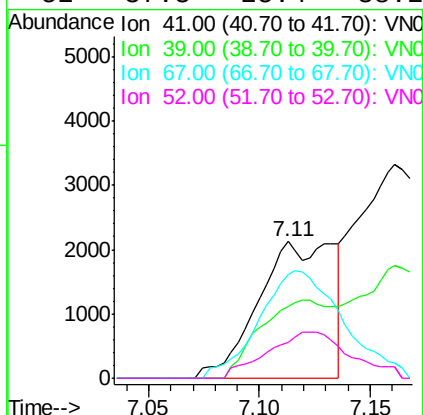
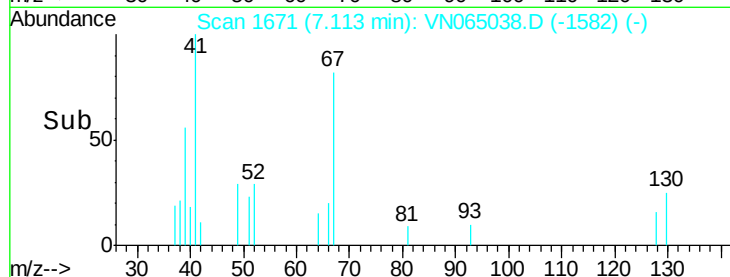
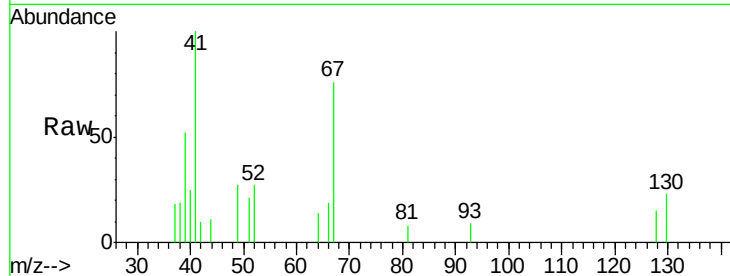
#41
Methacrylonitrile
Concen: 3.764 ug/l m
RT: 7.11 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	5011
Ion	Ratio	Lower	Upper
41	100		
39	51.6	36.0	54.0
67	87.5	64.8	97.2
52	37.3	25.4	38.2

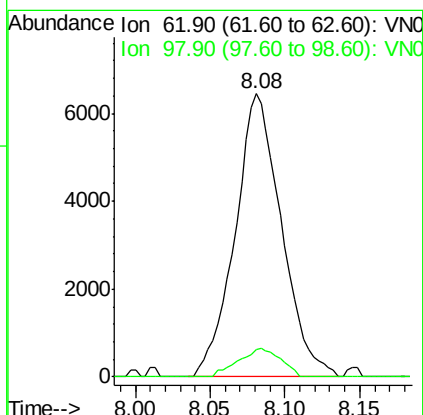
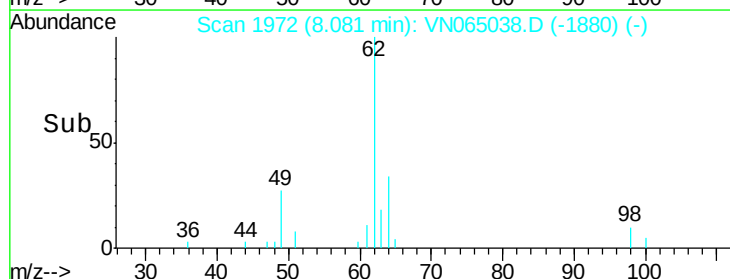
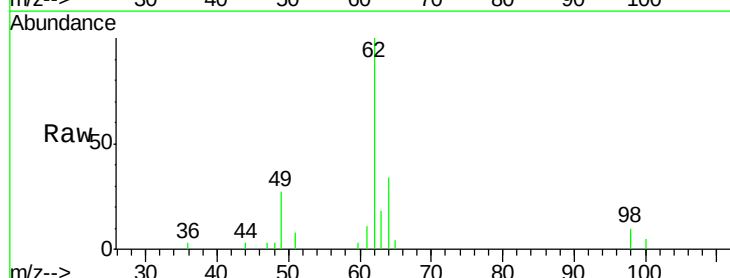
Manual Integrations
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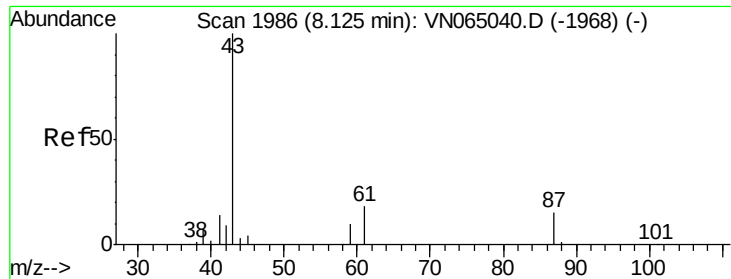
MMDadoda
12/11/2020 12:32:16 PM



#42
1,2-Dichloroethane
Concen: 4.616 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion:	62	Resp:	13918
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.8





#43

Isopropyl Acetate

Concen: 4.324 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

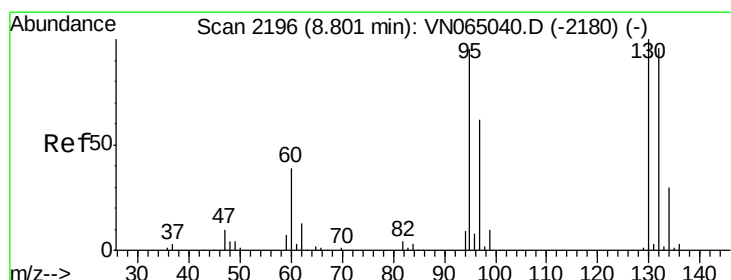
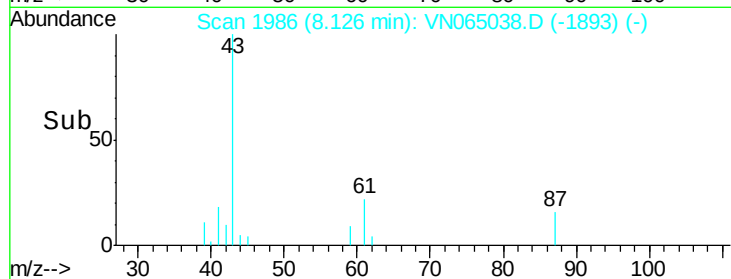
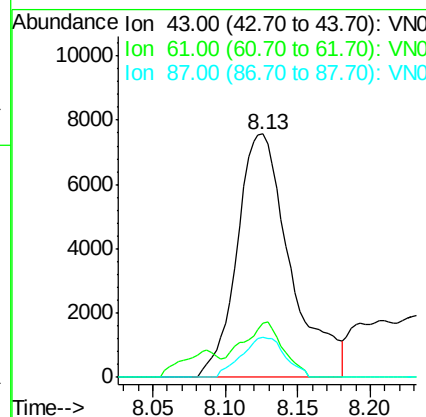
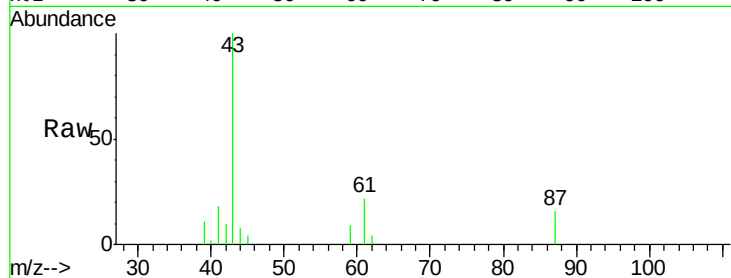
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	19334
Ion	Ratio	Lower	Upper
43	100		
61	18.0	16.9	25.3
87	13.4	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 4.590 ug/l

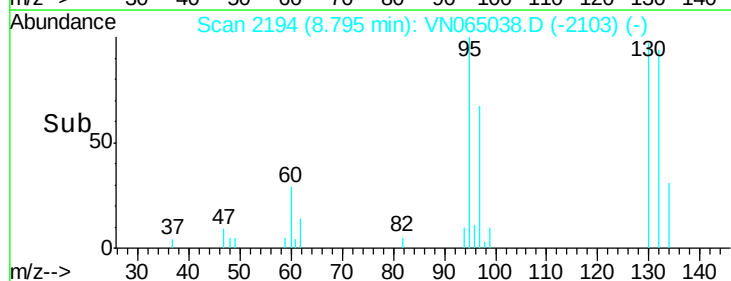
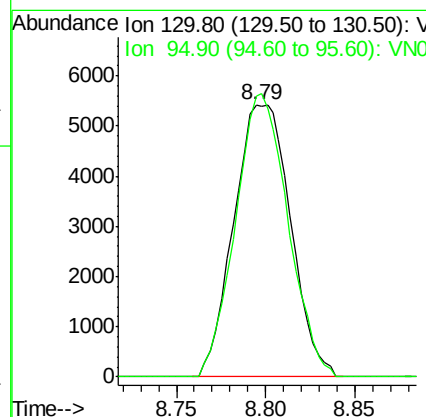
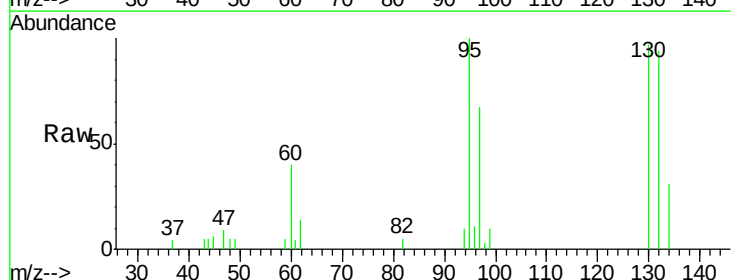
RT: 8.79 min Scan# 2194

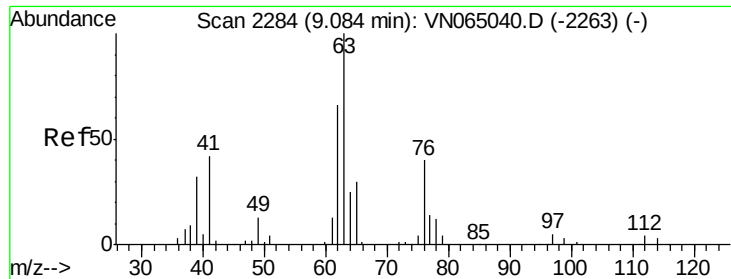
Delta R.T. -0.01 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Tgt Ion:	130	Resp:	12033
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	190.2





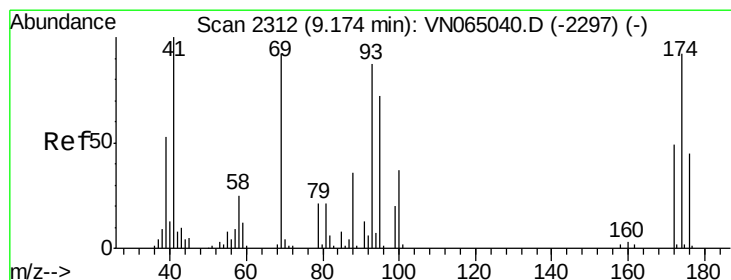
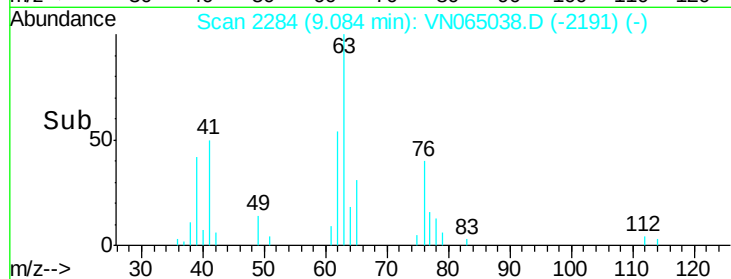
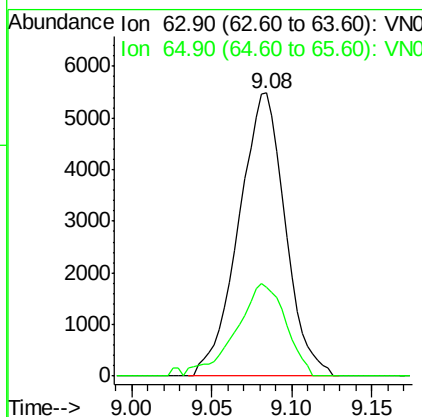
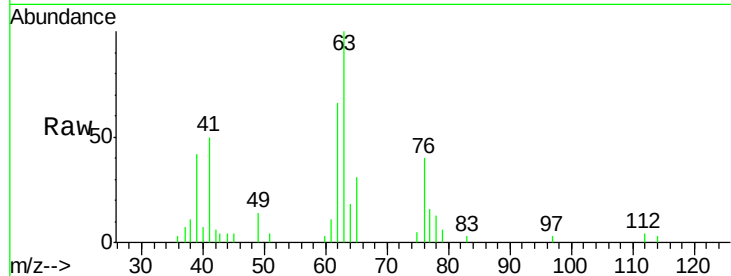
#45
 1,2-Dichloropropane
 Concen: 4.695 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 10942
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.0 36.0

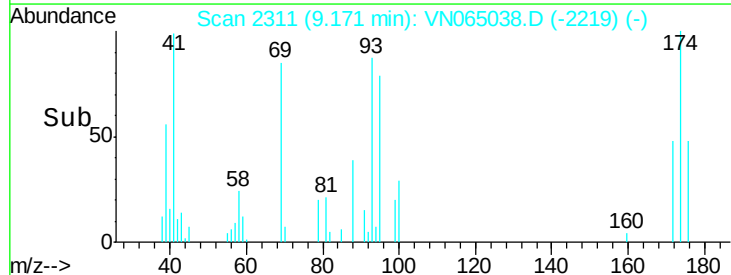
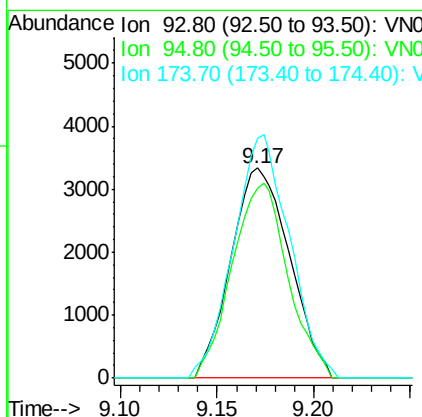
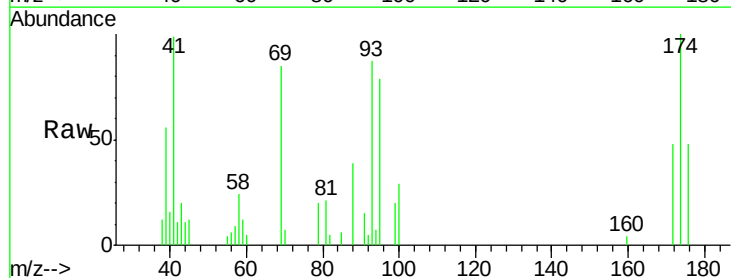
Manual Integrations
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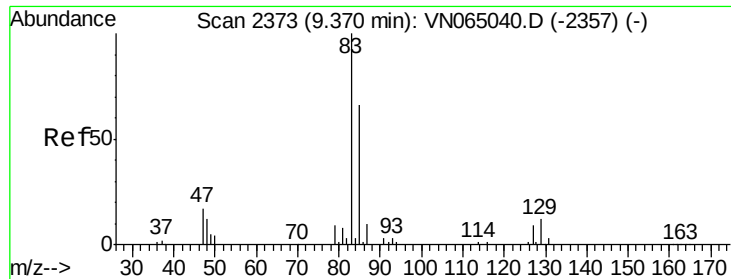
MMDadoda
 12/11/2020 12:32:16 PM



#46
 Dibromomethane
 Concen: 4.533 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion: 93 Resp: 7032
 Ion Ratio Lower Upper
 93 100
 95 88.1 65.7 98.5
 174 110.3 83.0 124.4





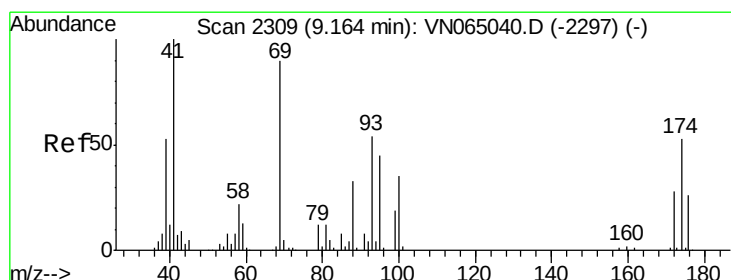
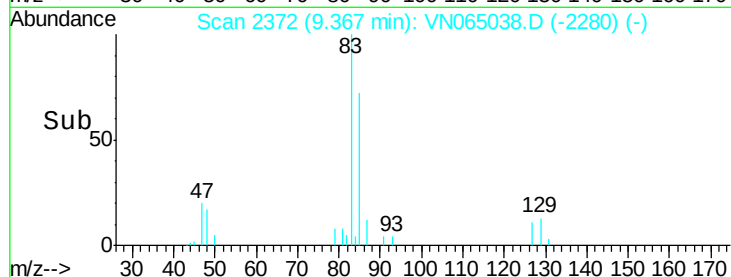
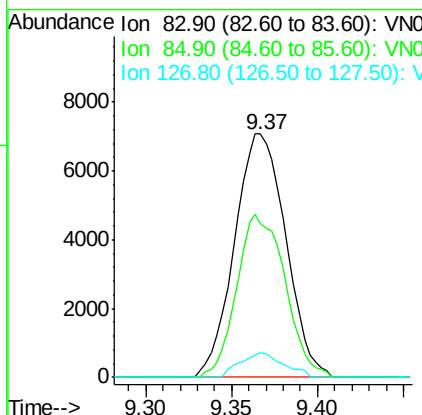
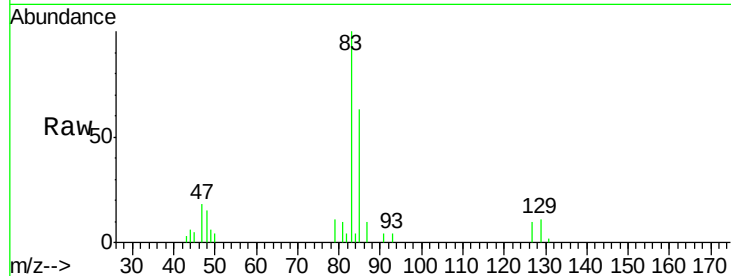
#47
Bromodichloromethane
Concen: 4.692 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	83	Resp:	14645
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.5	78.7
127	10.1	7.1	10.7

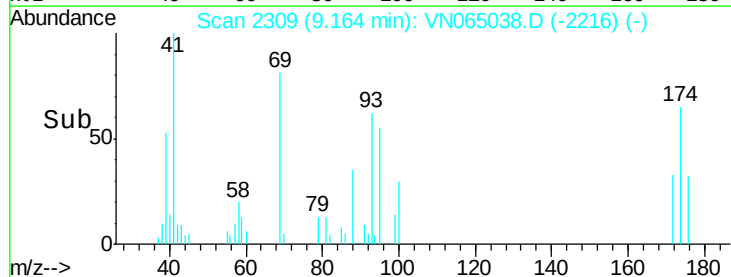
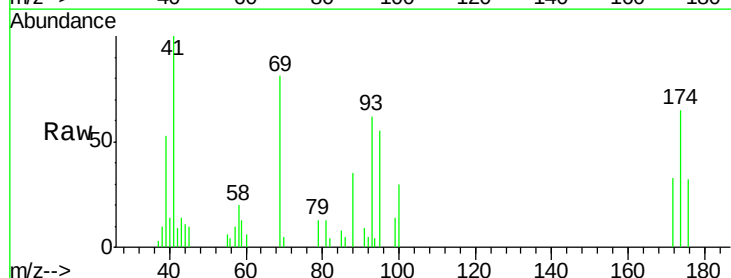
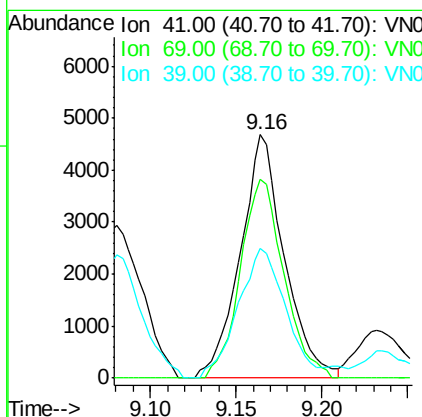
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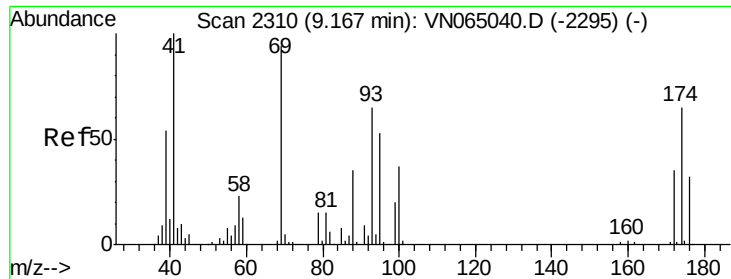
MMDadoda
12/11/2020 12:32:16 PM



#48
Methyl methacrylate
Concen: 3.904 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion:	41	Resp:	8340
Ion Ratio	Lower	Upper	
41	100		
69	80.5	72.1	108.1
39	57.1	43.8	65.6





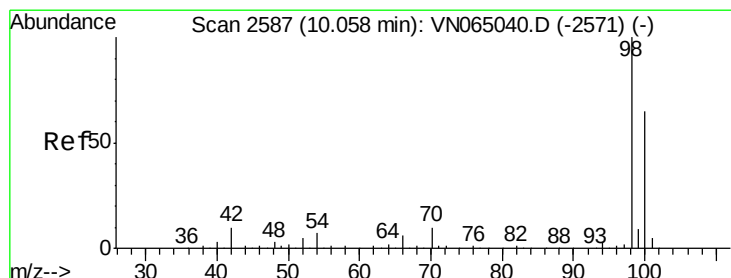
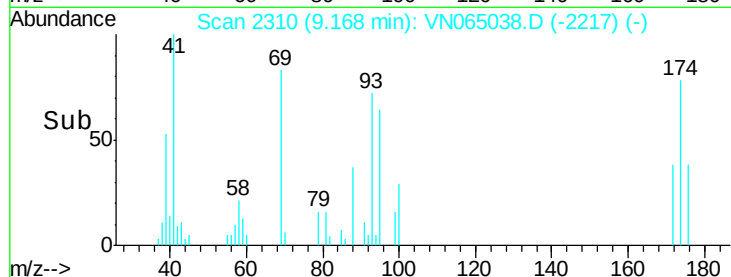
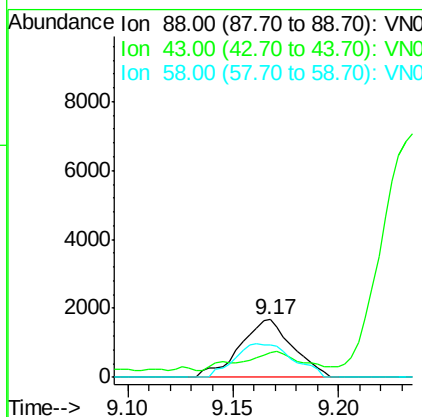
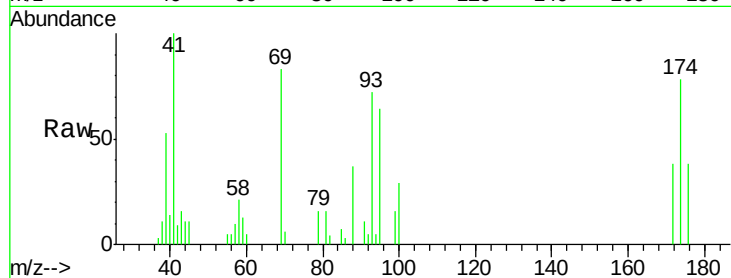
#49
1,4-Dioxane
Concen: 72.579 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	21.1	31.7#
58	63.5	53.8	80.8

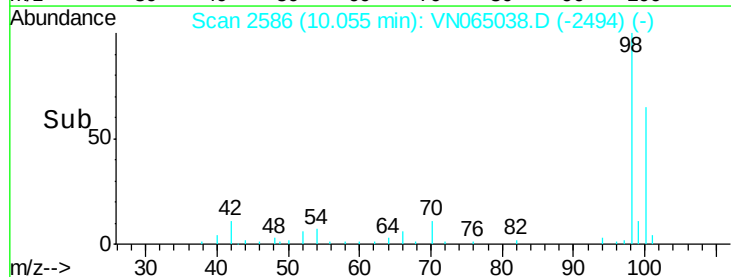
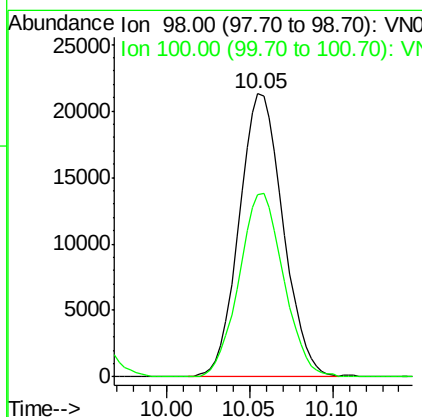
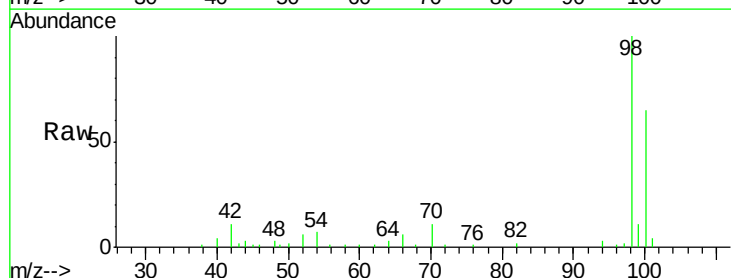
Manual Integrations
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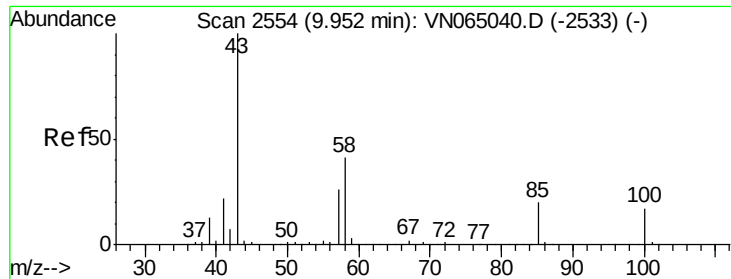
MMDadoda
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#50
Toluene-d8
Concen: 5.021 ug/l
RT: 10.05 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 18.805 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 50428

Ion Ratio Lower Upper

43 100

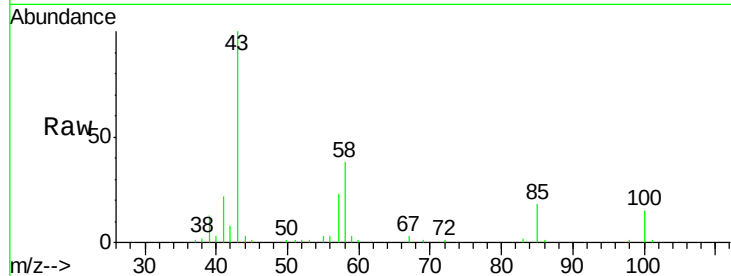
58 38.7 32.4 48.6

Manual Integrations

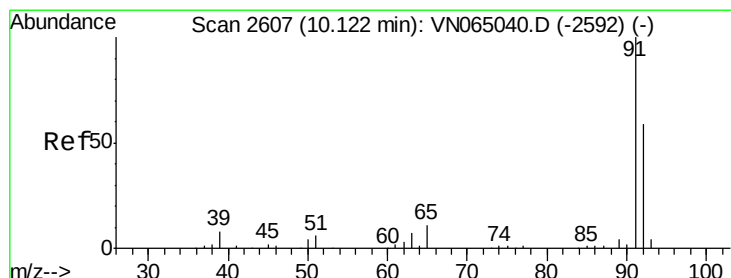
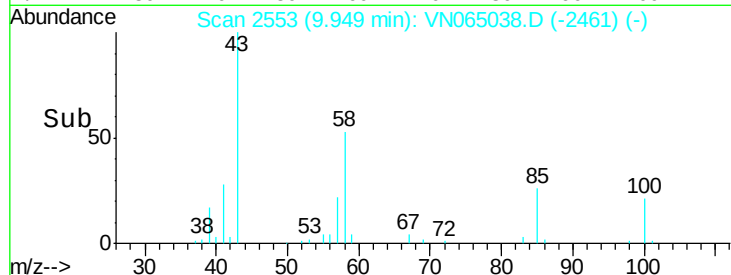
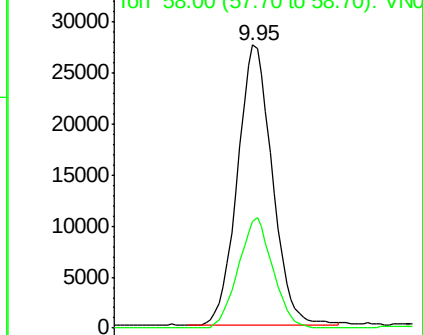
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12/11/2020 12:32:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-2533) (-)



#52

Toluene

Concen: 4.550 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065038.D

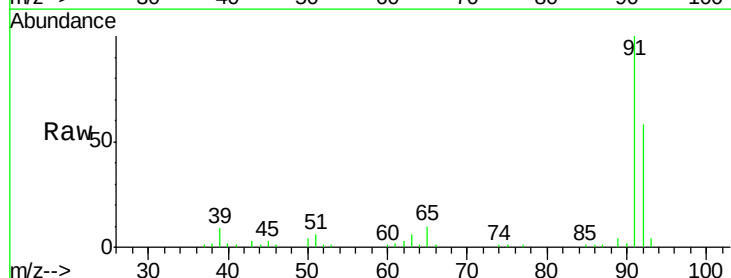
Acq: 10 Dec 2020 10:23

Tgt Ion: 92 Resp: 25070

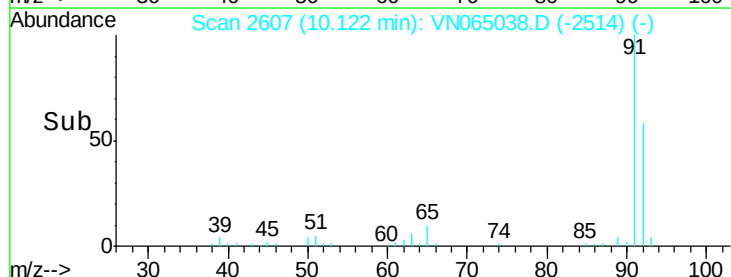
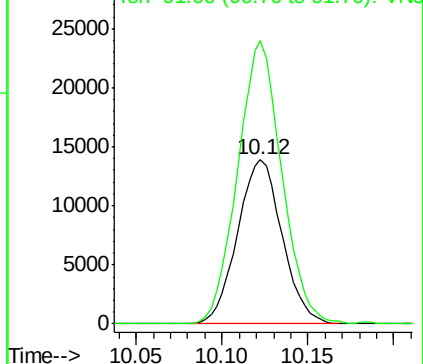
Ion Ratio Lower Upper

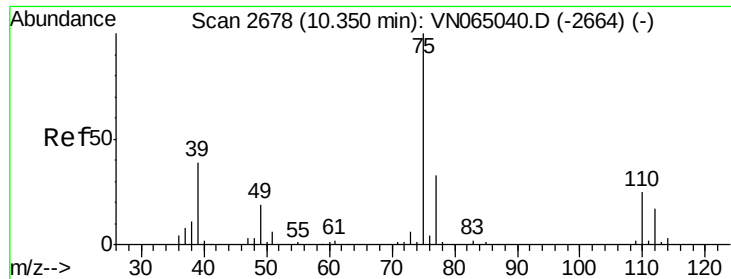
92 100

91 170.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN065040.D (-2592) (-)





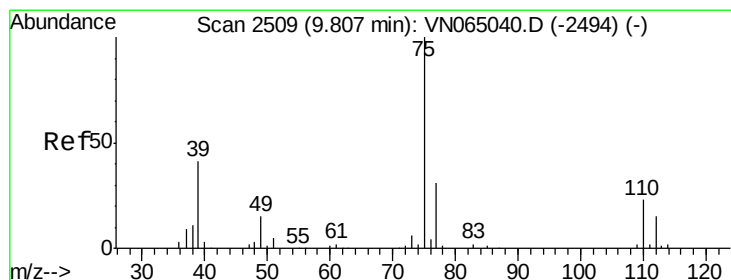
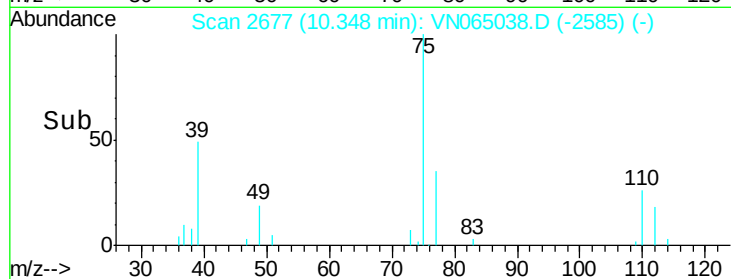
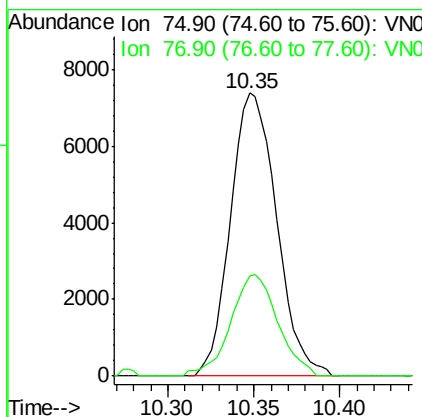
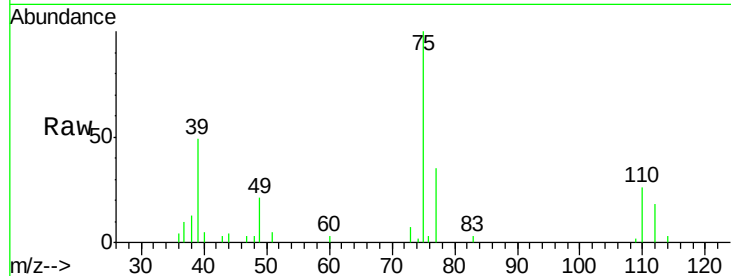
#53
 t-1,3-Dichloropropene
 Concen: 3.995 ug/l
 RT: 10.35 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 13820
 Ion Ratio Lower Upper
 75 100
 77 35.3 26.0 39.0

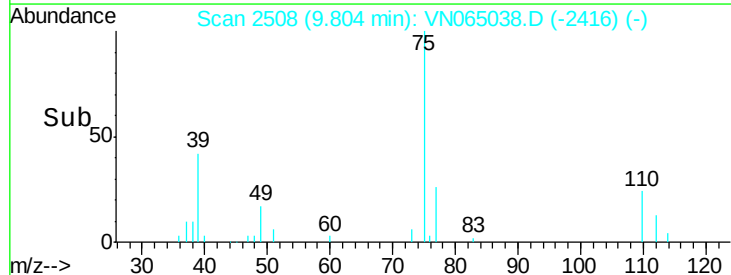
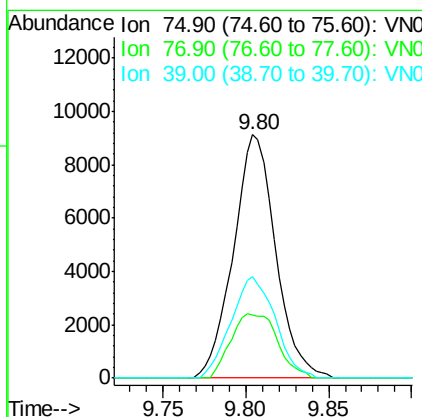
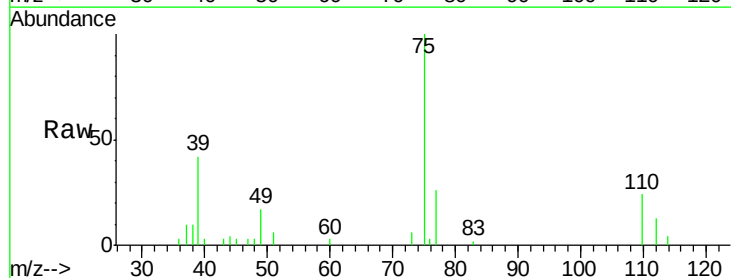
Manual Integrations
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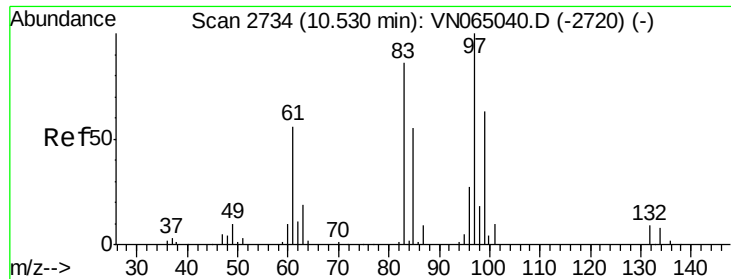
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#54
 cis-1,3-Dichloropropene
 Concen: 4.357 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion: 75 Resp: 16193
 Ion Ratio Lower Upper
 75 100
 77 25.8 24.8 37.2
 39 41.5 33.0 49.4





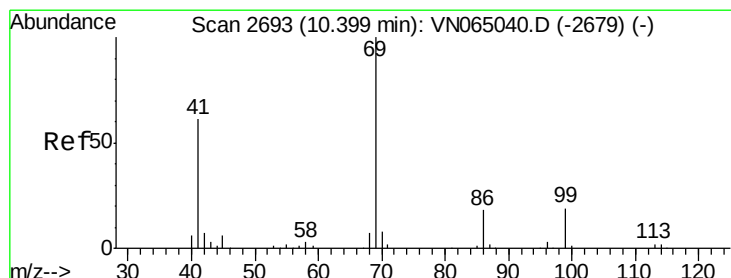
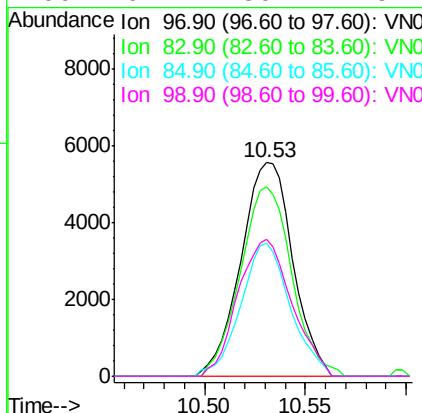
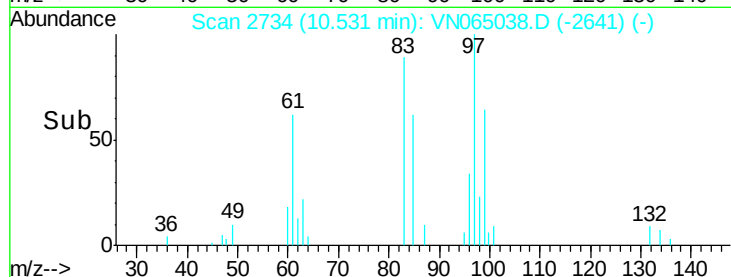
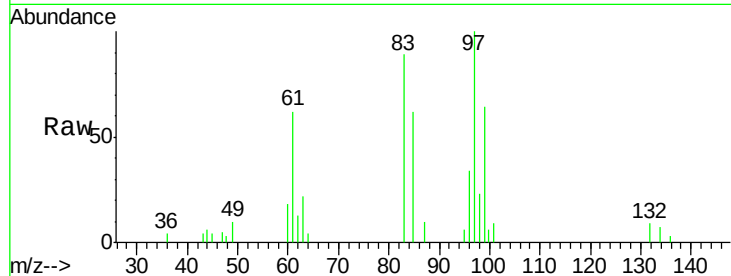
#55
 1,1,2-Trichloroethane
 Concen: 4.393 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10020
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.0	103.6
85	62.1	43.6	65.4
99	64.2	50.1	75.1

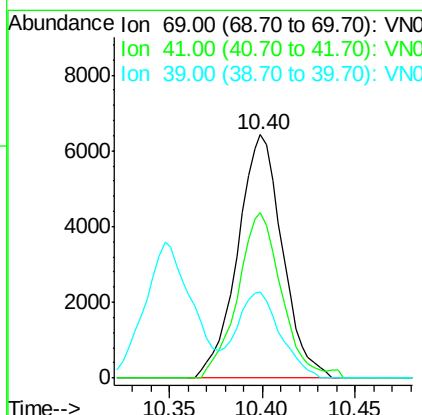
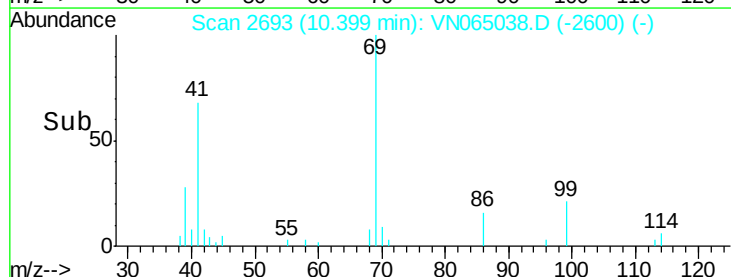
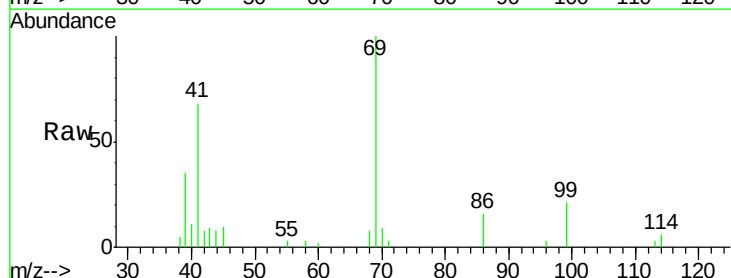
Manual Integrations
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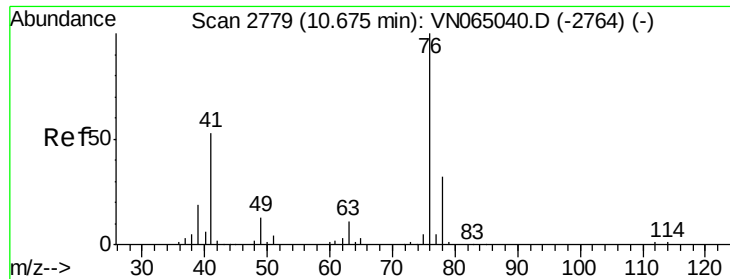
MMDadoda
 12/11/2020 12:32:16 PM



#56
 Ethyl methacrylate
 Concen: 3.475 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion:	69	Resp:	10745
Ion	Ratio	Lower	Upper
69	100		
41	66.9	48.2	72.2
39	34.7	24.7	37.1





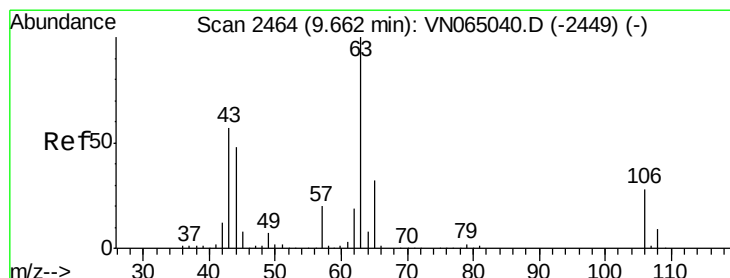
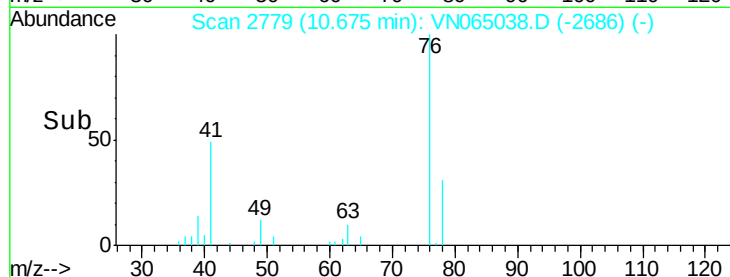
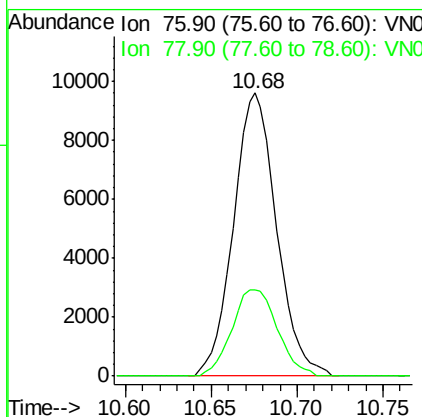
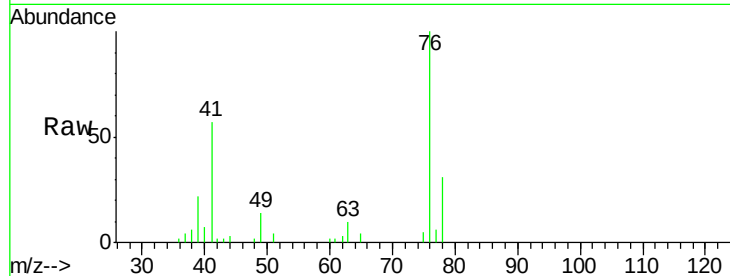
#57
 1,3-Dichloropropane
 Concen: 4.470 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 16704
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.5 39.7

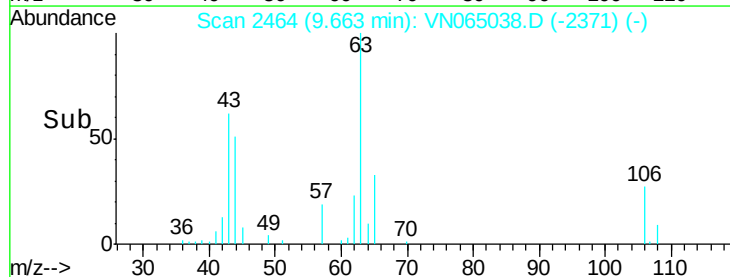
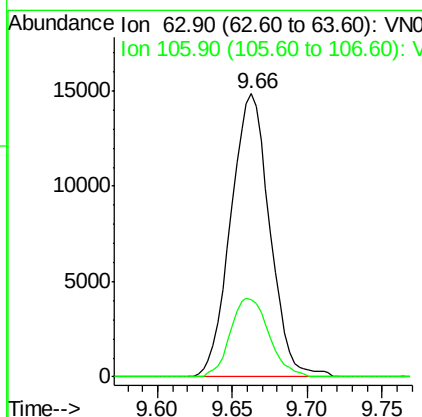
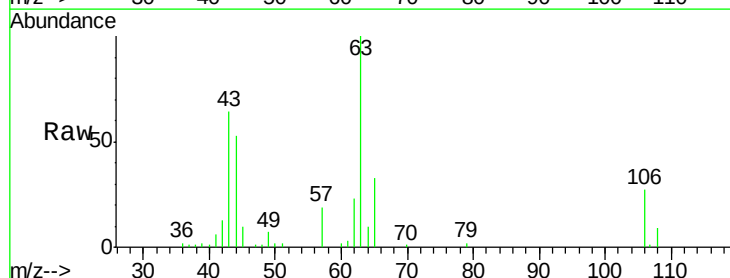
Manual Integrations
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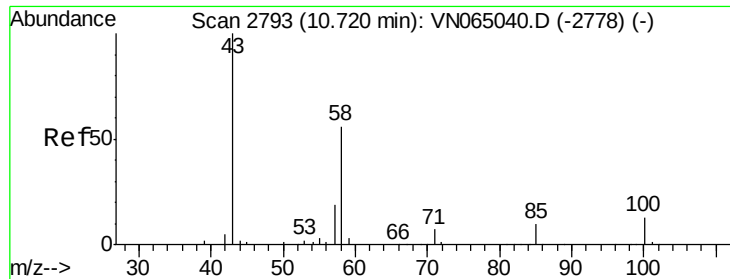
MMDadoda
 12/11/2020 12:32:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.803 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion: 63 Resp: 26940
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.6 33.8





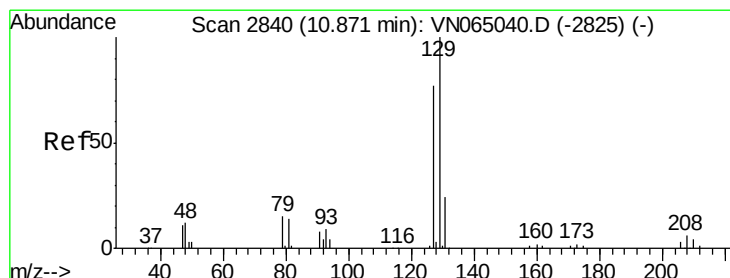
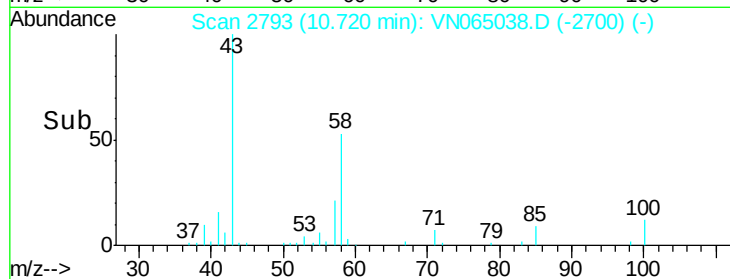
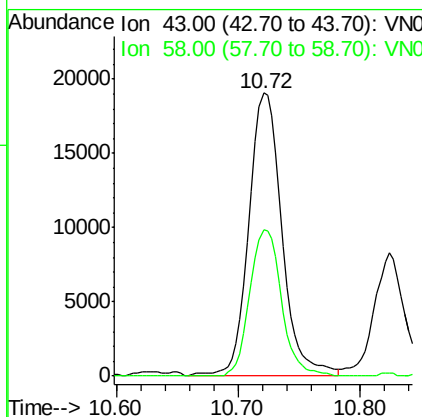
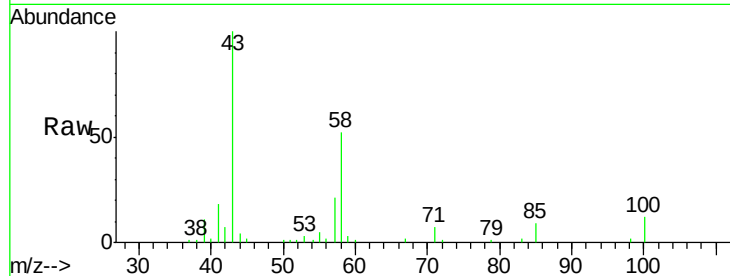
#59
2-Hexanone
Concen: 18.528 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 35727
Ion Ratio Lower Upper
43 100
58 49.3 28.3 84.9

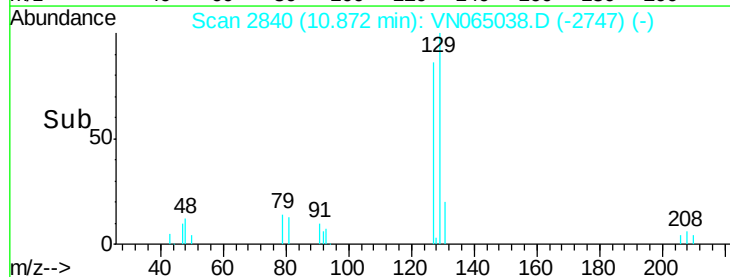
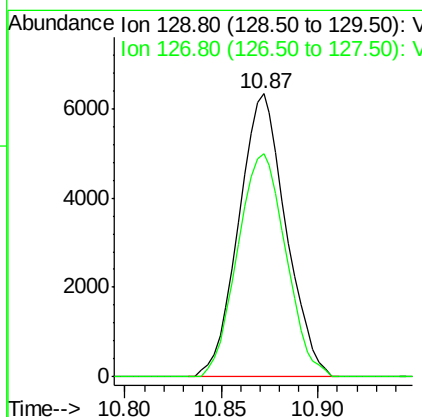
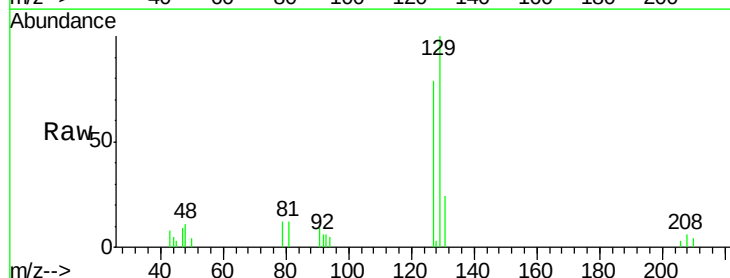
Manual Integrations
APPROVED

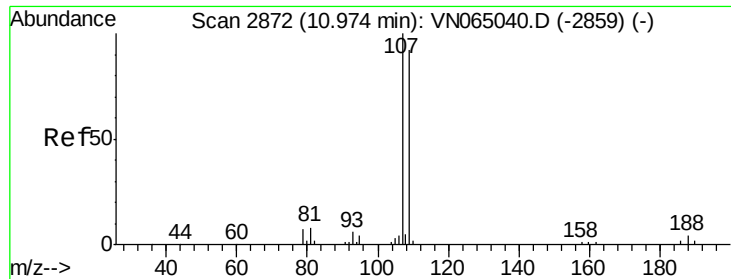
MMDadoda
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#60
Dibromochloromethane
Concen: 4.253 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion: 129 Resp: 10733
Ion Ratio Lower Upper
129 100
127 80.4 38.4 115.1





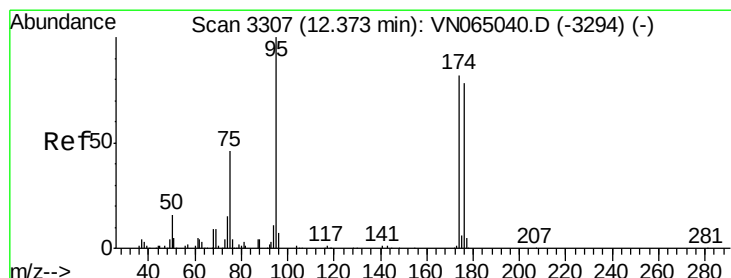
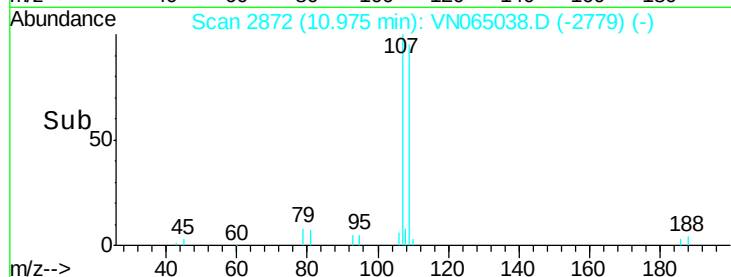
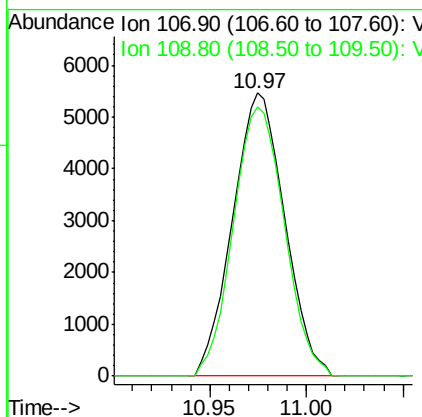
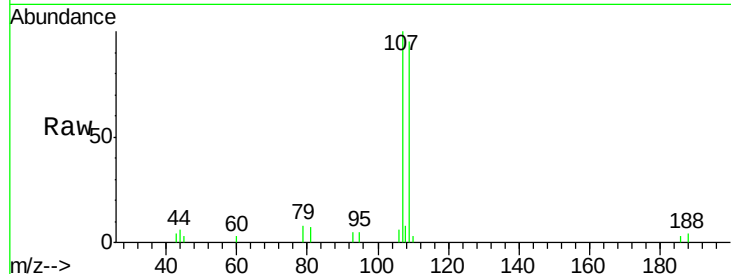
#61
1,2-Dibromoethane
Concen: 4.435 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.1	111.1

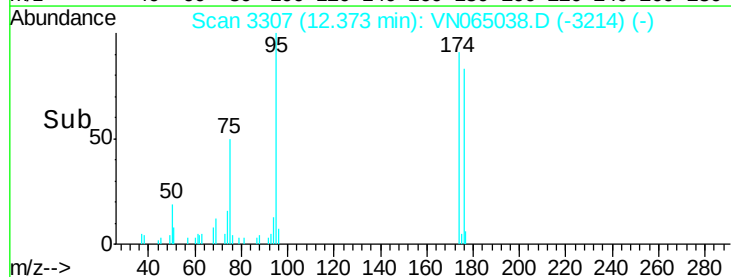
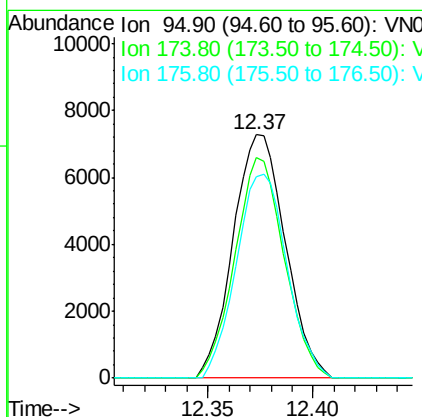
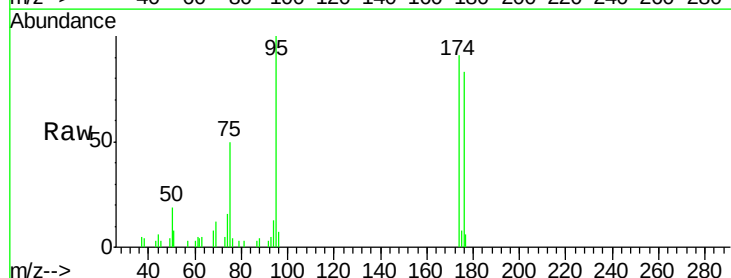
Manual Integrations
APPROVED

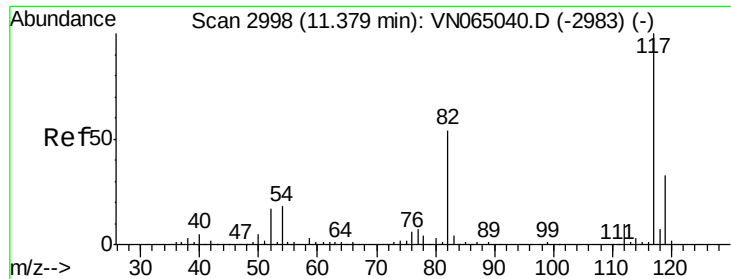
MMDadoda
12/11/2020 12:32:16 PM



#62
4-Bromofluorobenzene
Concen: 4.509 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	164.8
176	81.6	0.0	158.8





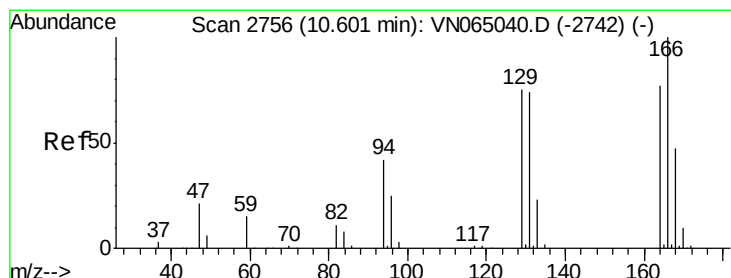
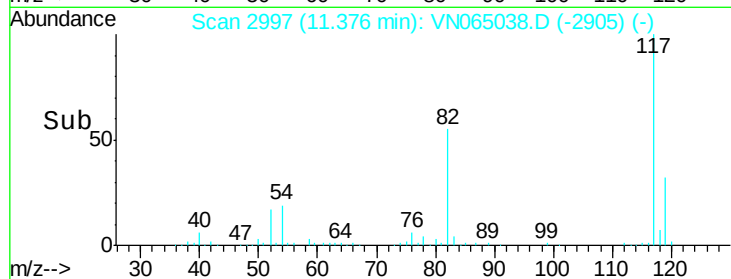
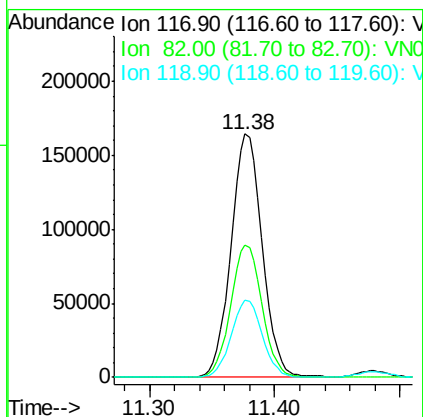
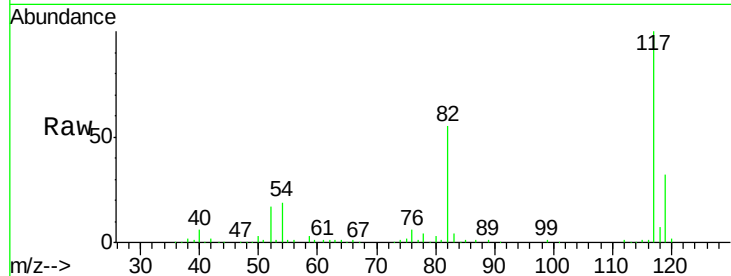
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.5	65.3
119	31.6	26.4	39.6

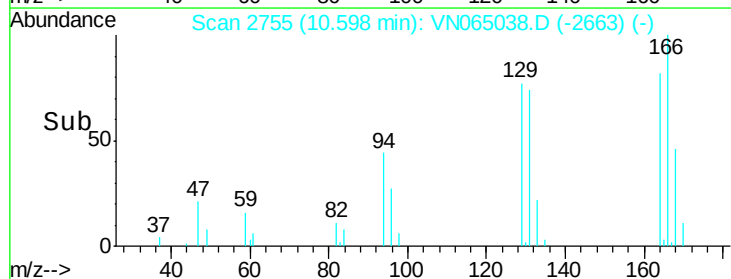
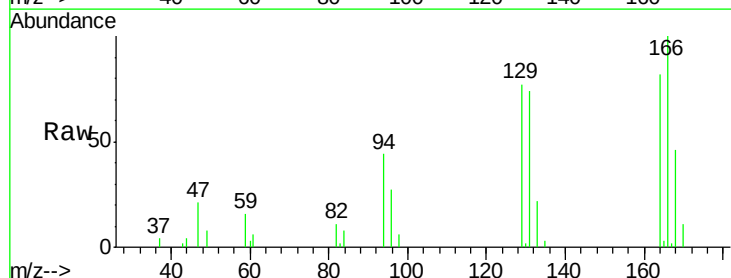
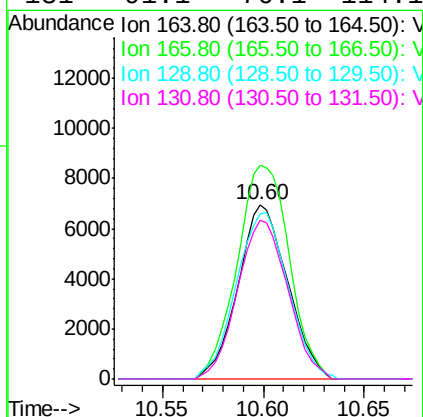
Manual Integrations
APPROVED

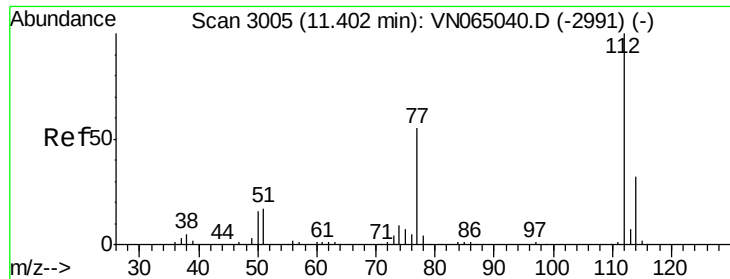
MMDadoda
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#64
Tetrachloroethene
Concen: 4.369 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.3	154.9
129	95.0	77.0	115.4
131	91.1	76.1	114.1





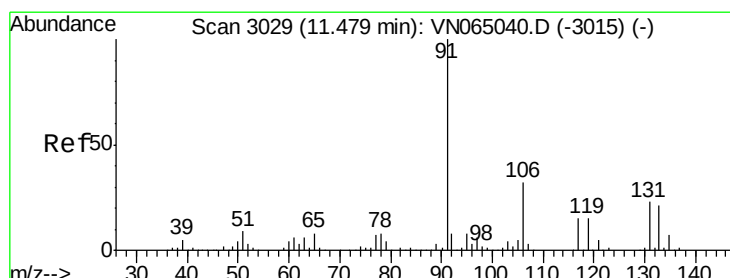
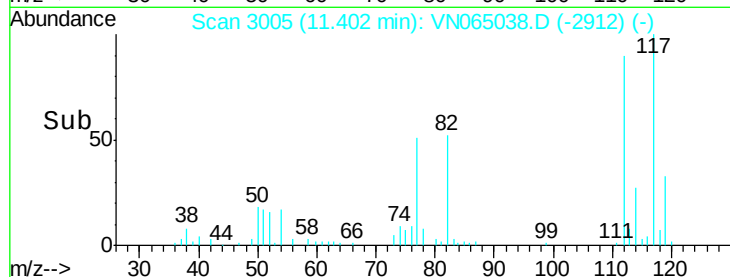
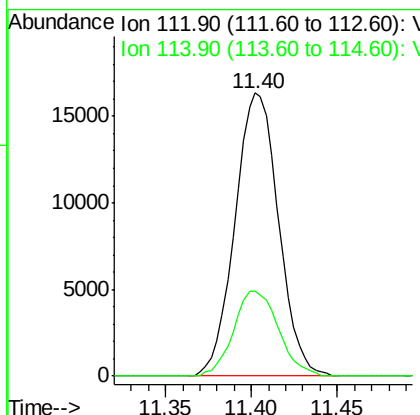
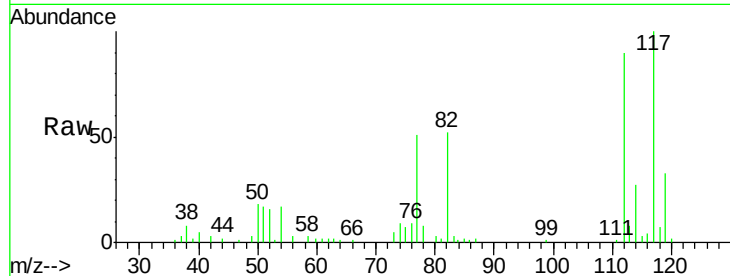
#65
Chlorobenzene
Concen: 4.718 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 28854
Ion Ratio Lower Upper
112 100
114 30.0 25.9 38.9

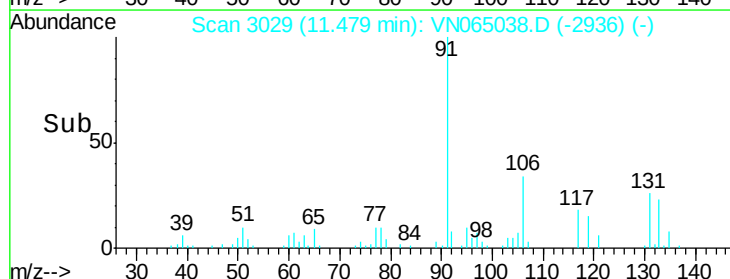
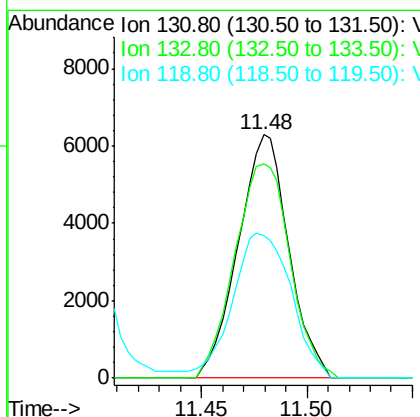
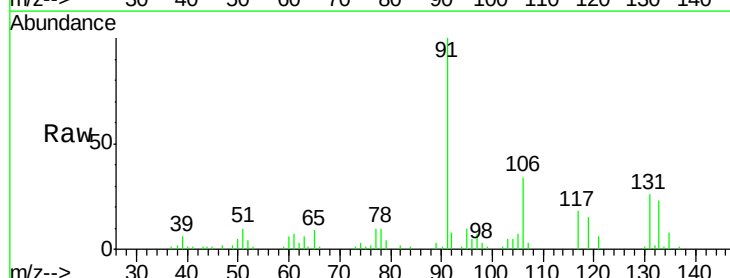
Manual Integrations
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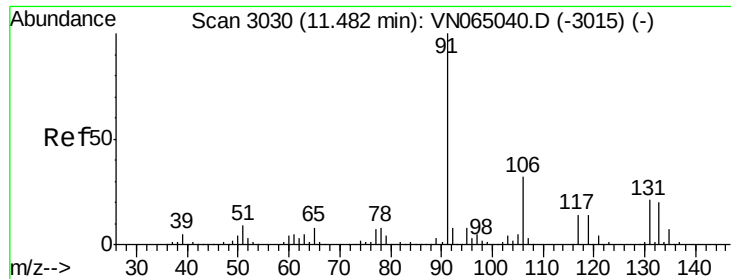
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.658 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion:131 Resp: 10468
Ion Ratio Lower Upper
131 100
133 96.6 48.7 146.1
119 69.2 33.2 99.6





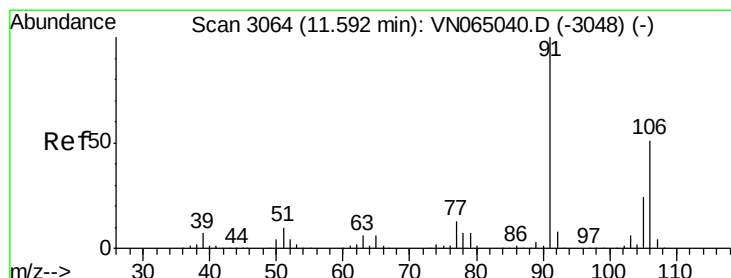
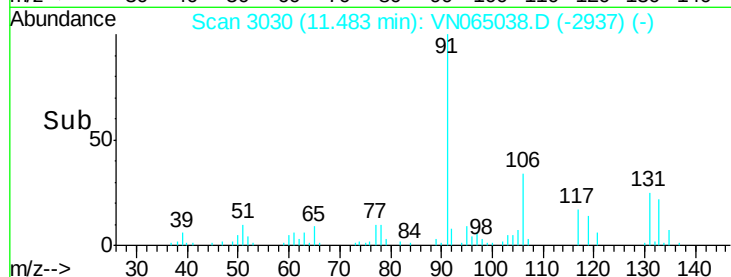
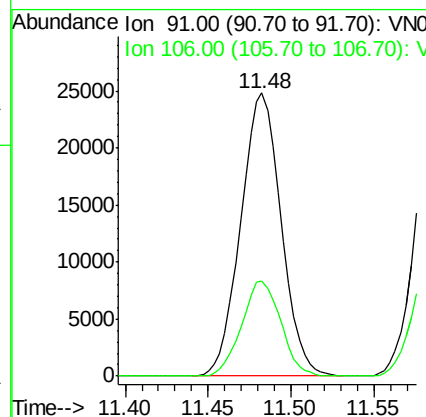
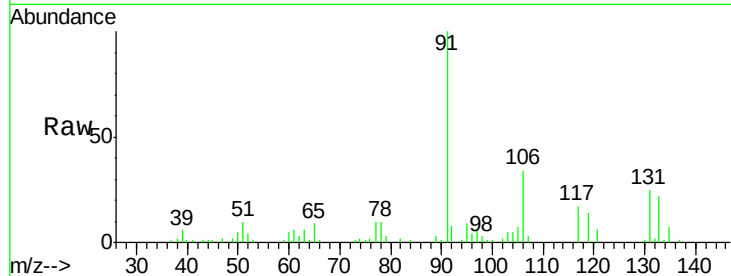
#67
Ethyl Benzene
Concen: 4.137 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 41970
Ion Ratio Lower Upper
91 100
106 33.8 25.7 38.5

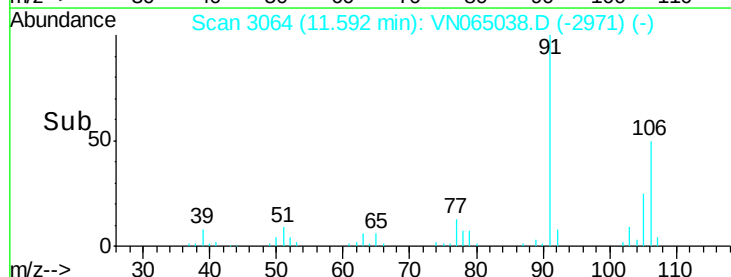
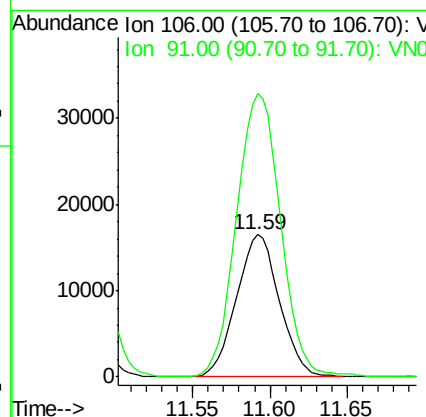
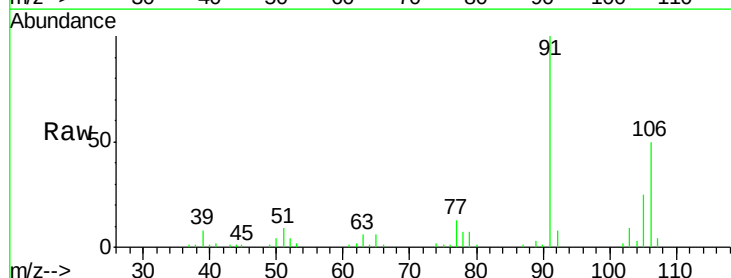
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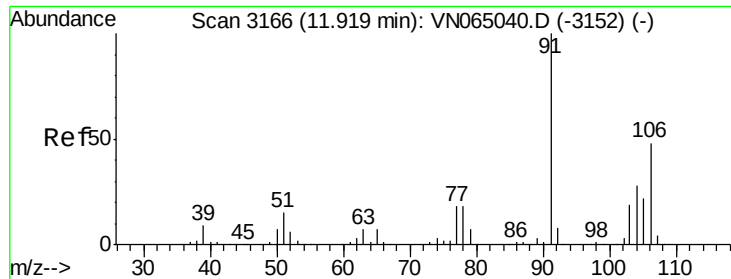
MMDadoda
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#68
m/p-Xylenes
Concen: 8.216 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion: 106 Resp: 31745
Ion Ratio Lower Upper
106 100
91 205.4 157.0 235.6





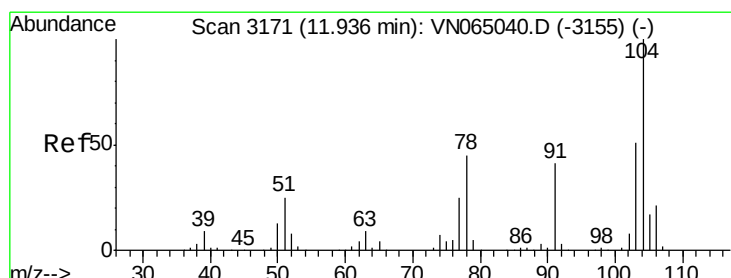
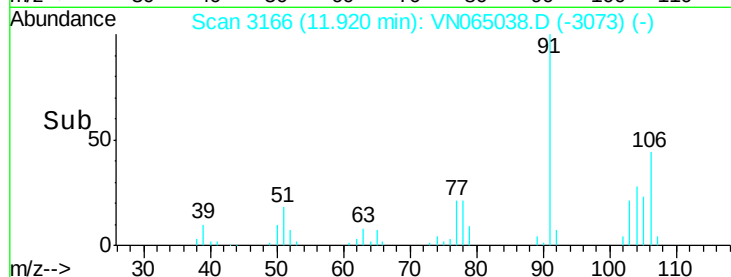
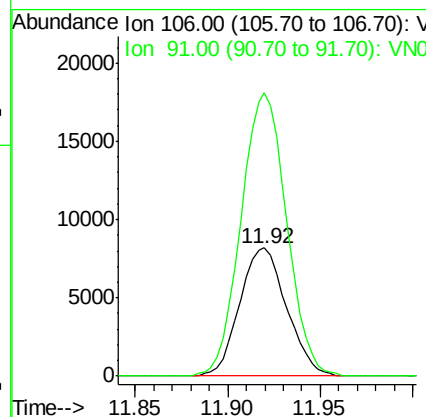
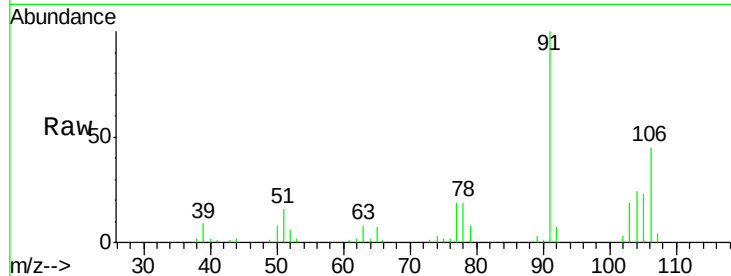
#69
o-Xylene
Concen: 3.937 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 14411
Ion Ratio Lower Upper
106 100
91 213.5 104.1 312.3

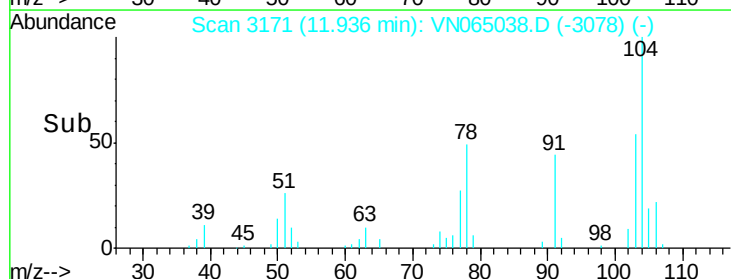
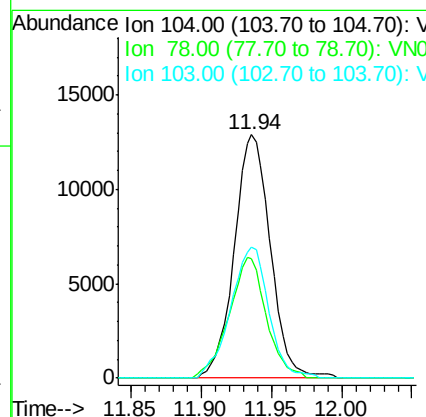
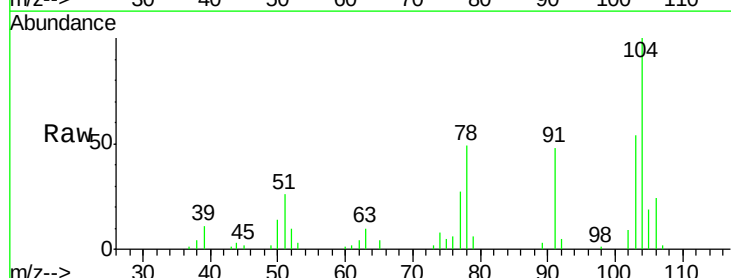
Manual Integrations
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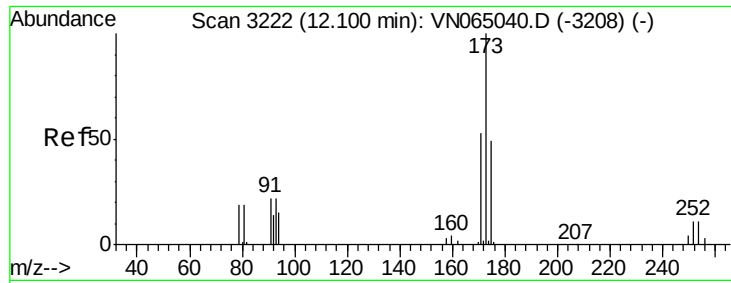
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#70
Styrene
Concen: 3.744 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion:104 Resp: 23145
Ion Ratio Lower Upper
104 100
78 51.0 38.7 58.1
103 56.7 43.8 65.8





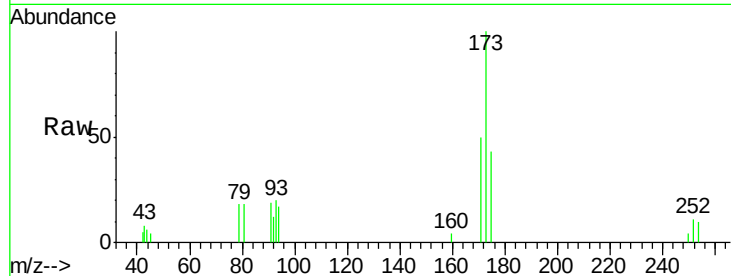
#71
Bromoform
Concen: 4.344 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

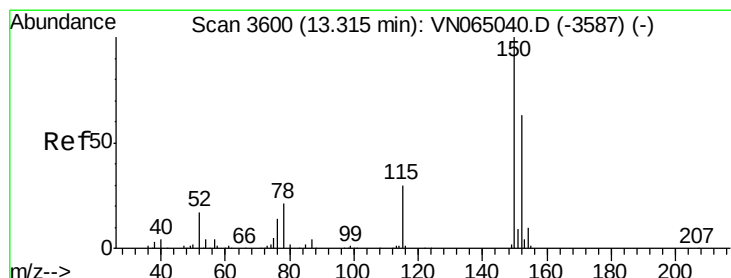
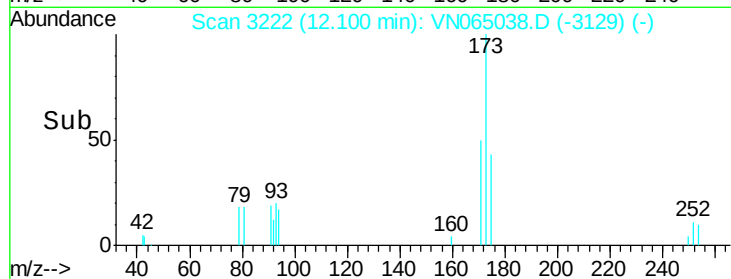
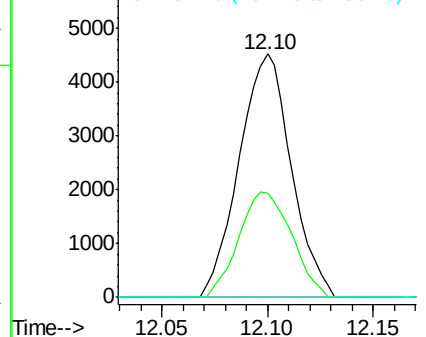
Tot Ion	Ratio	Lower	Upper
173	100		
175	43.8	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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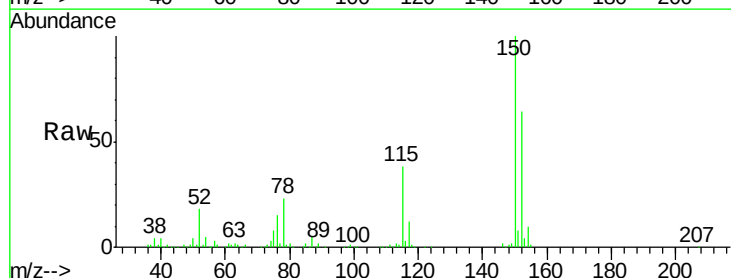


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

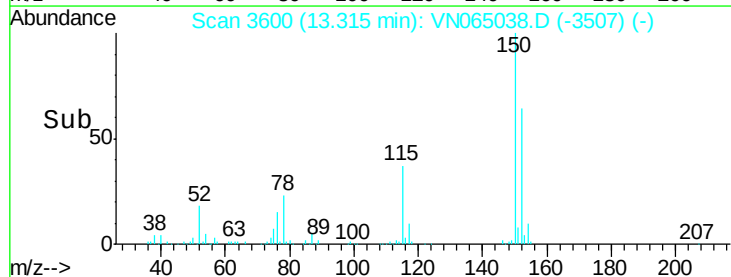
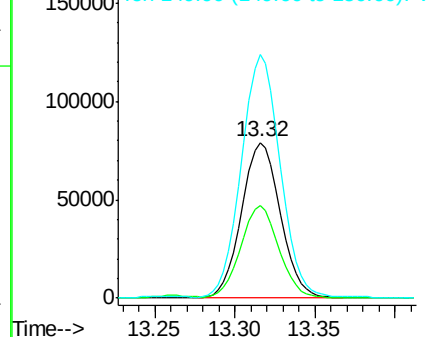


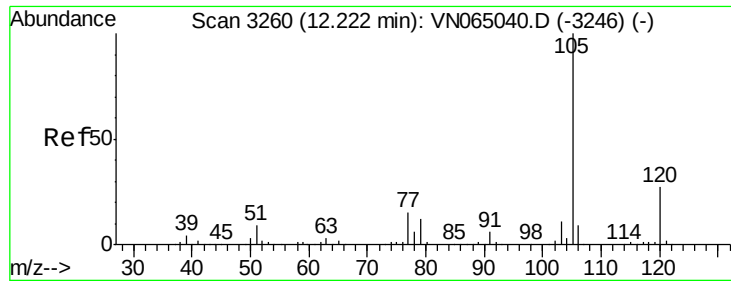
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.3	88.0
150	156.5	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: 4.101 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 37164

Ion Ratio Lower Upper

105 100

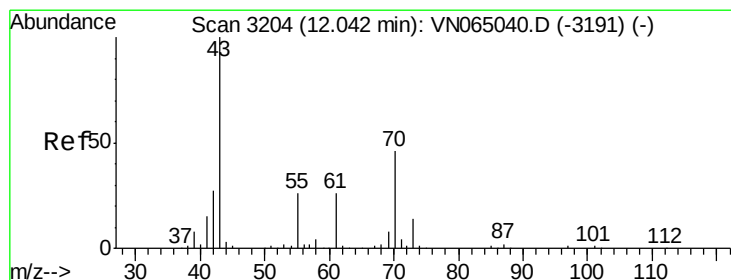
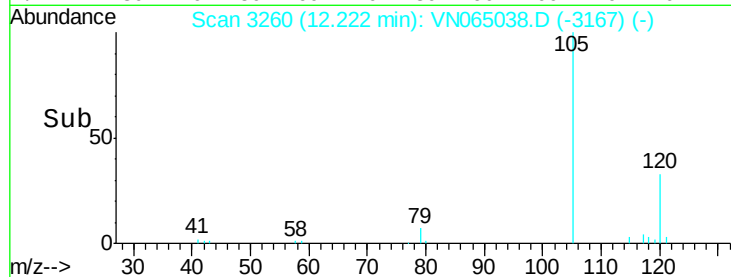
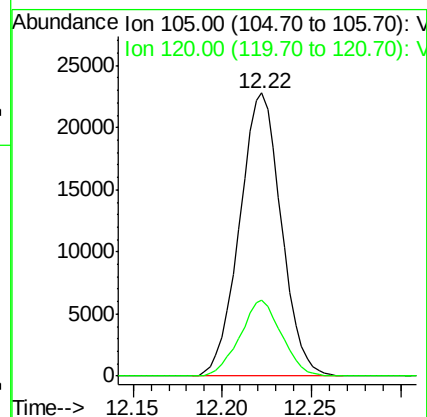
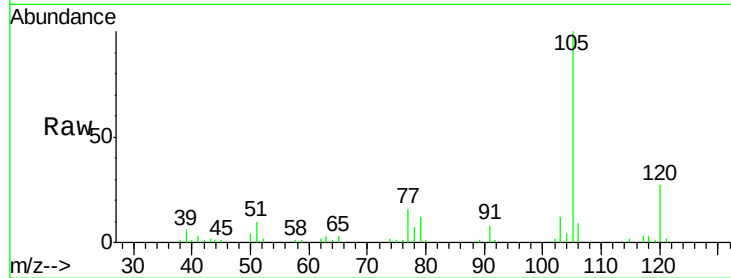
120 26.7 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 3.558 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Tgt Ion: 43 Resp: 12469

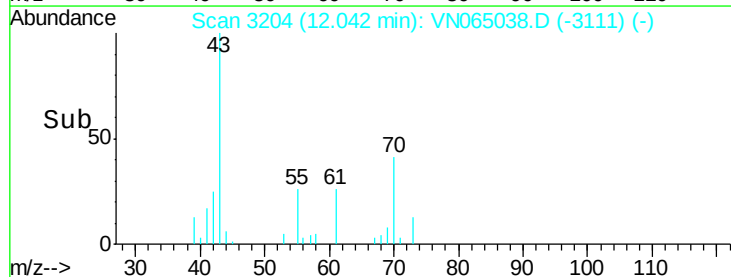
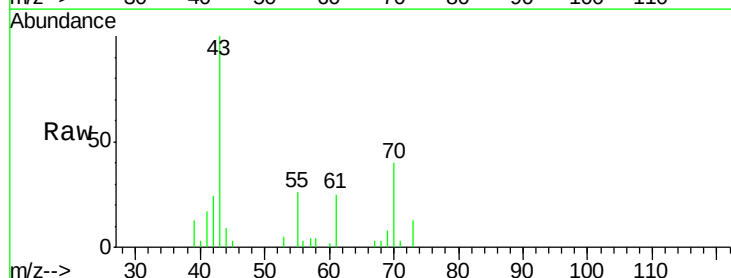
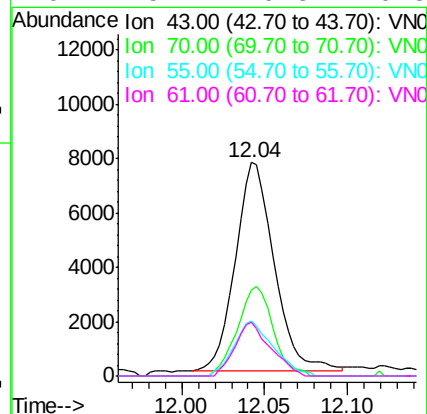
Ion Ratio Lower Upper

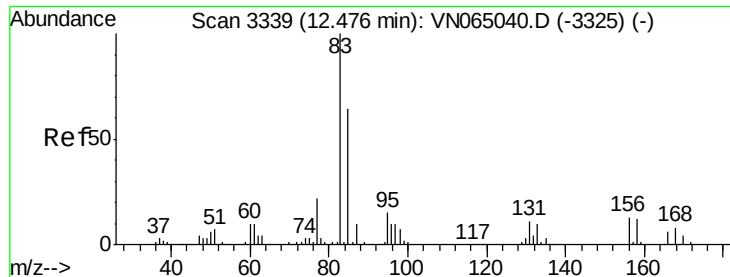
43 100

70 39.3 36.2 54.2

55 26.8 21.4 32.0

61 23.7 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.911 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

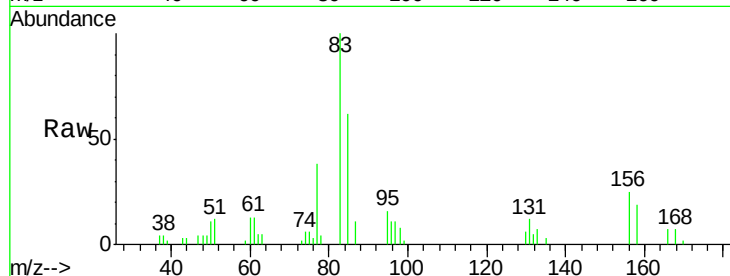
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13092
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.5	16.4
85	62.3	32.3	96.9

Manual Integrations
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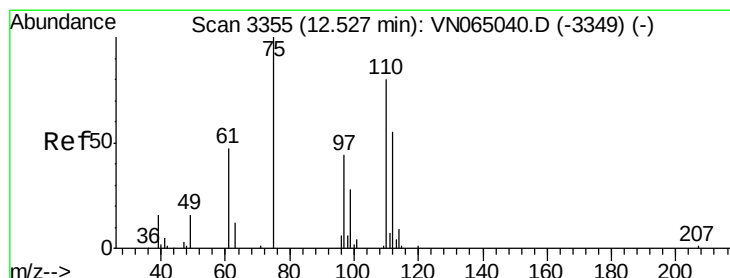
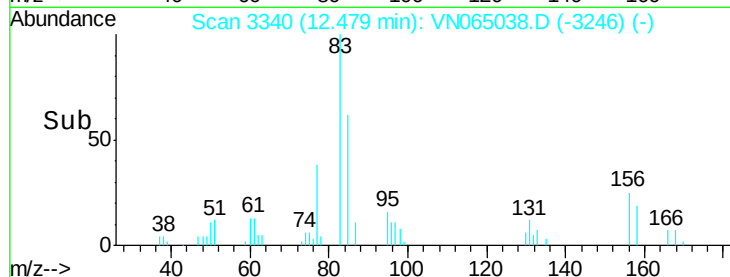
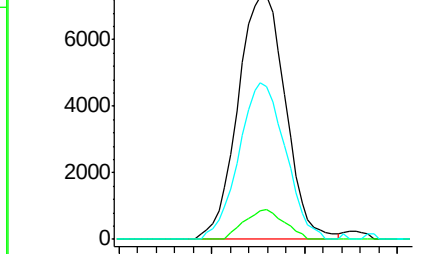
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN065038.D (-3340) (-)

Ion 130.80 (130.50 to 131.50): VN065038.D (-3340) (-)

Ion 84.90 (84.60 to 85.60): VN065038.D (-3340) (-)



#76

1,2,3-Trichloropropane

Concen: 4.608 ug/l m

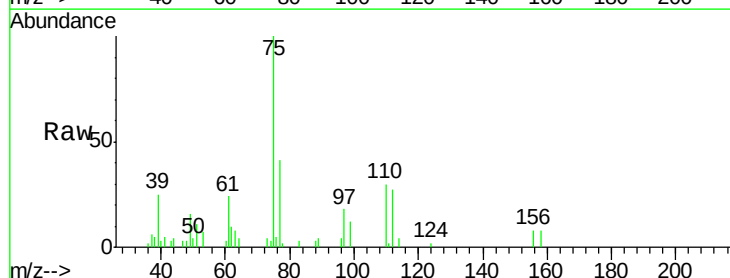
RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN065038.D

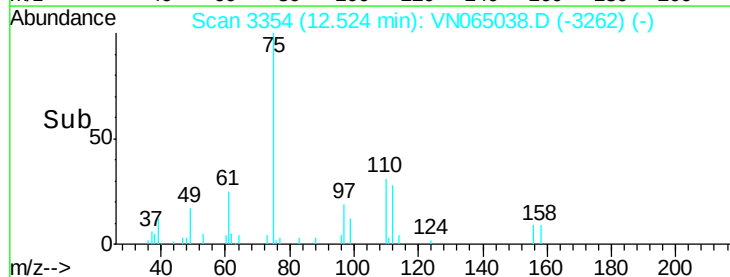
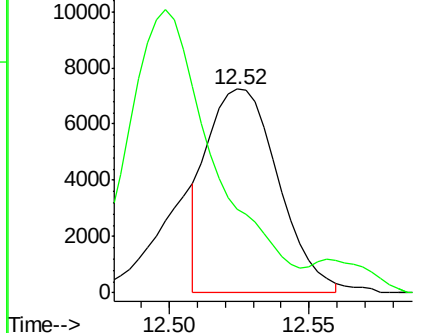
Acq: 10 Dec 2020 10:23

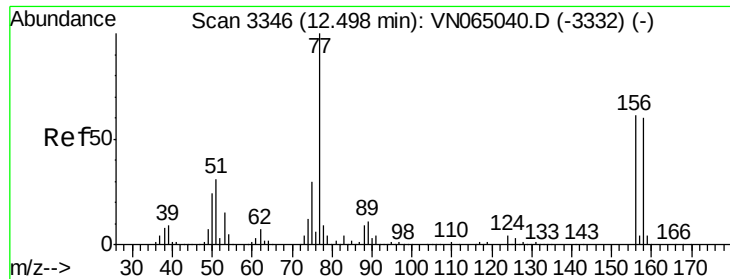
Tgt Ion:	75	Resp:	12786
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN065038.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN065038.D (-3354) (-)





#77

Bromobenzene

Concen: 4.644 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 11380

Ion Ratio Lower Upper

156 100

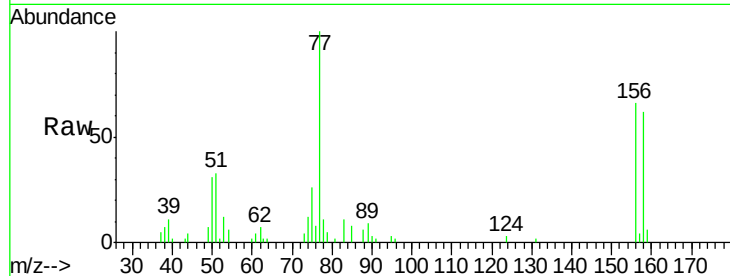
77 189.7 99.3 297.8

158 93.0 49.0 147.0

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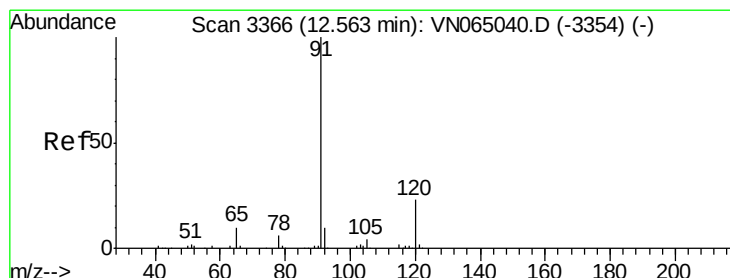
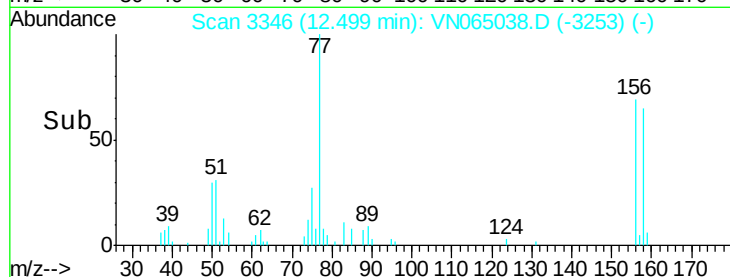
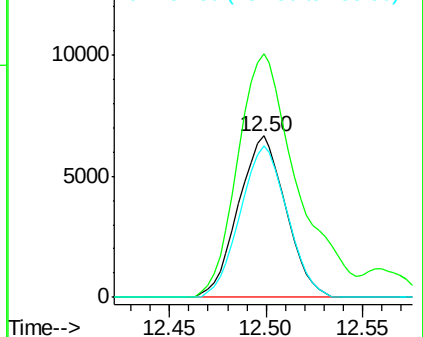
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.098 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN065038.D

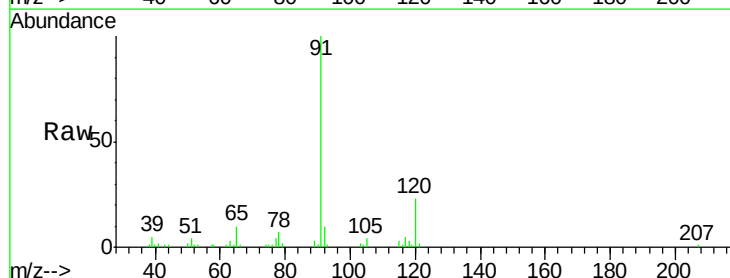
Acq: 10 Dec 2020 10:23

Tgt Ion: 91 Resp: 42151

Ion Ratio Lower Upper

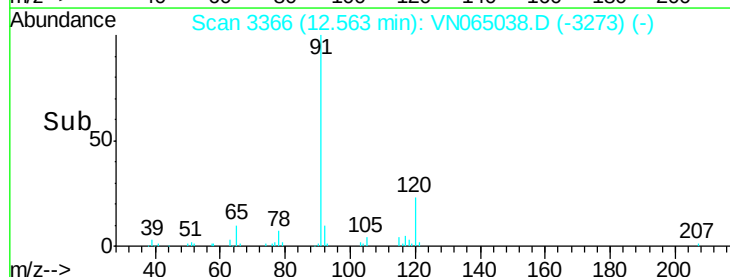
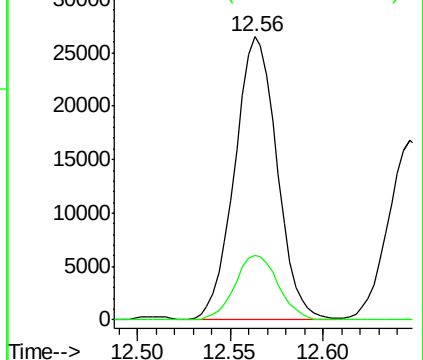
91 100

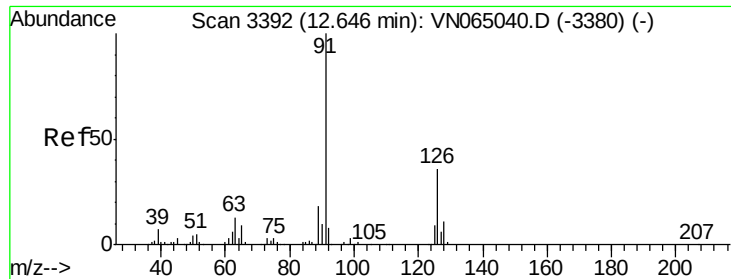
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.445 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 28297

Ion Ratio Lower Upper

91 100

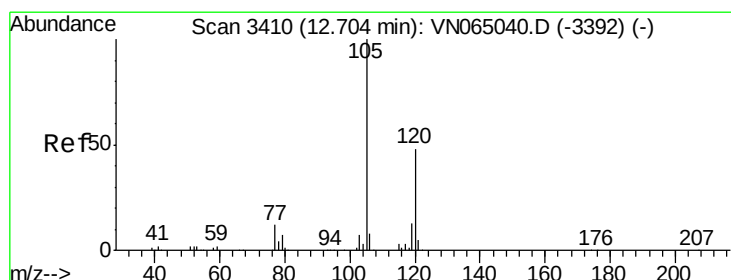
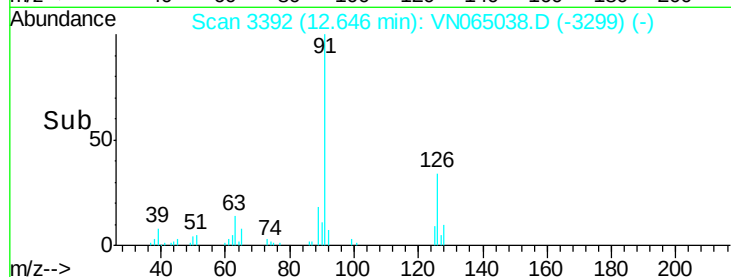
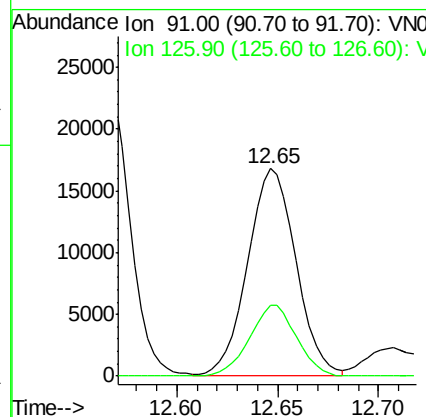
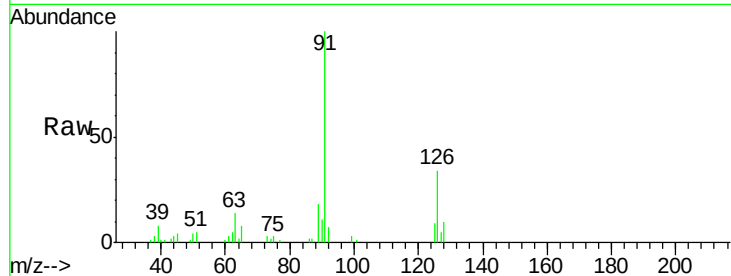
126 33.0 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 4.084 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN065038.D

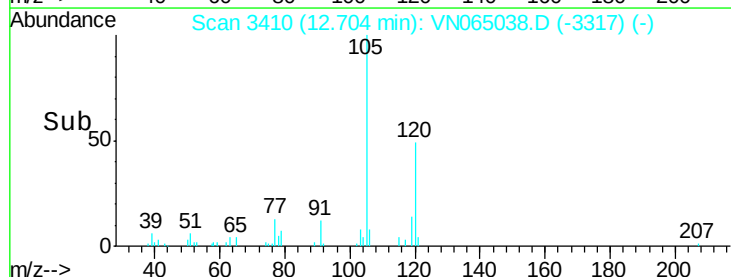
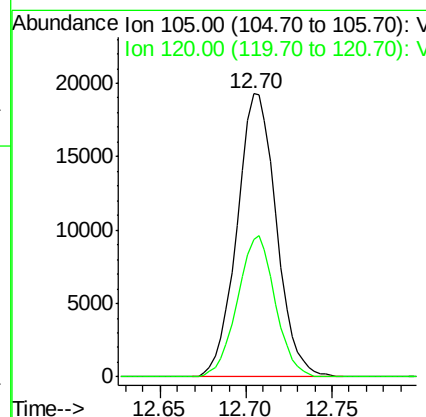
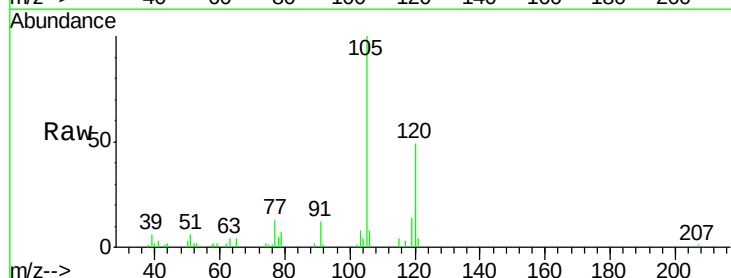
Acq: 10 Dec 2020 10:23

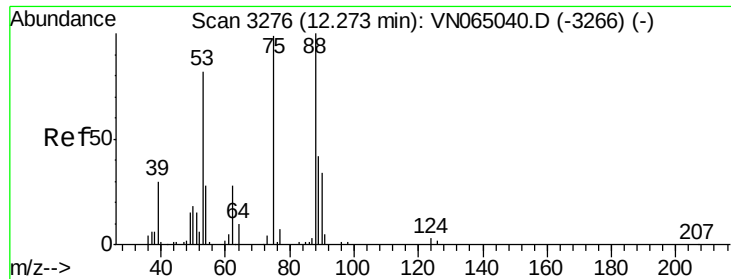
Tgt Ion: 105 Resp: 30748

Ion Ratio Lower Upper

105 100

120 47.6 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 3.276 ug/l

RT: 12.27 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

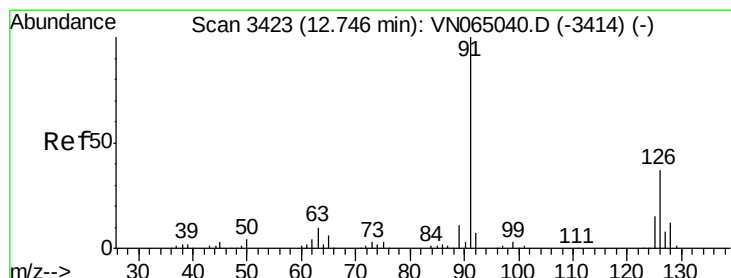
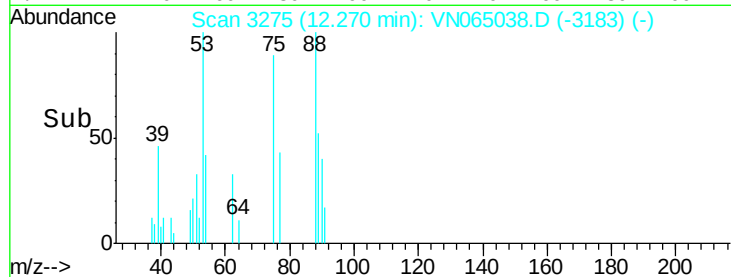
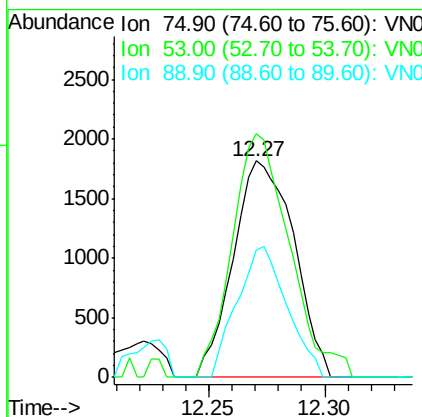
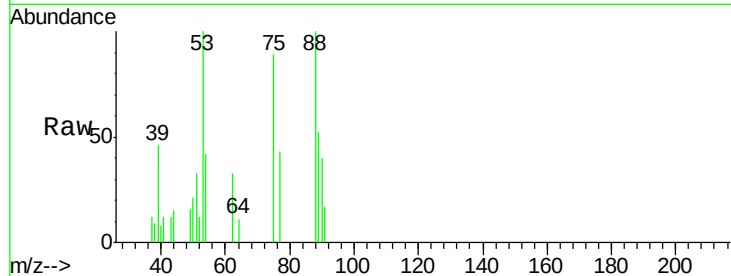
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3286
Ion	Ratio	Lower	Upper
75	100		
53	106.8	68.6	103.0#
89	50.3	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.152 ug/l

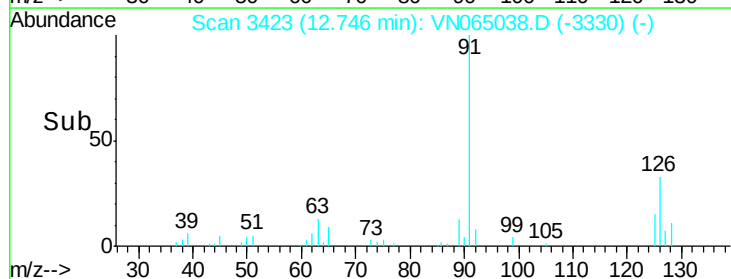
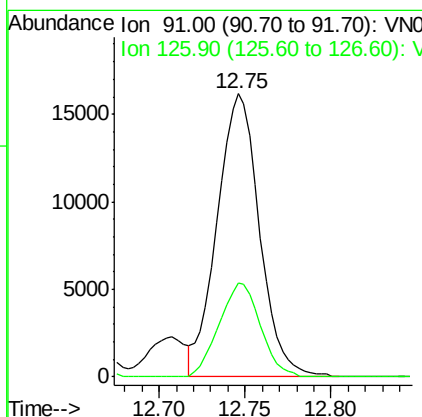
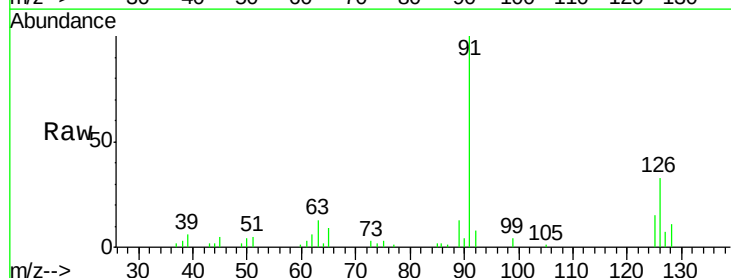
RT: 12.75 min Scan# 3423

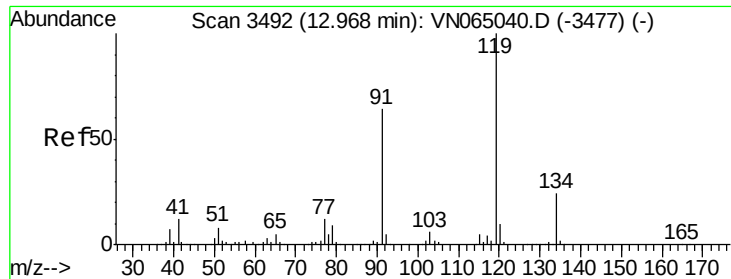
Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Tgt Ion:	91	Resp:	27732
Ion	Ratio	Lower	Upper
91	100		
126	32.2	17.3	52.0





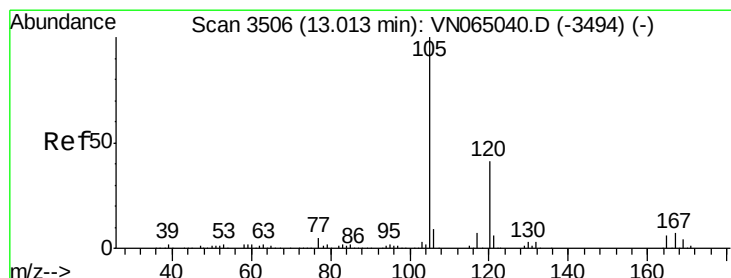
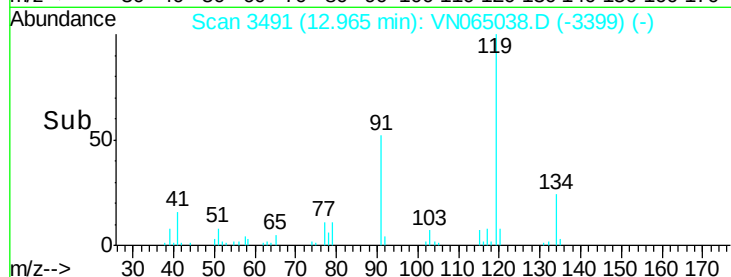
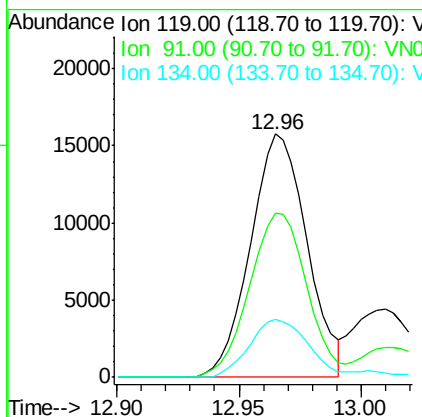
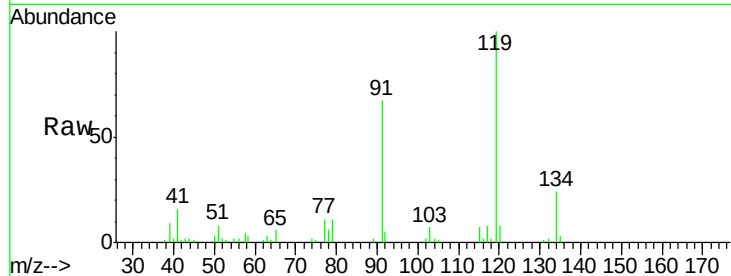
#83
tert-Butylbenzene
Concen: 4.024 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	31.1	93.5
134	24.3	12.6	37.6

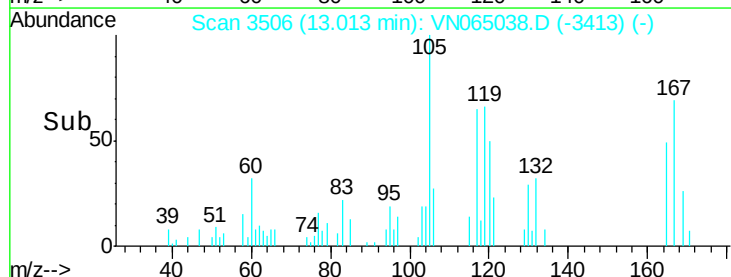
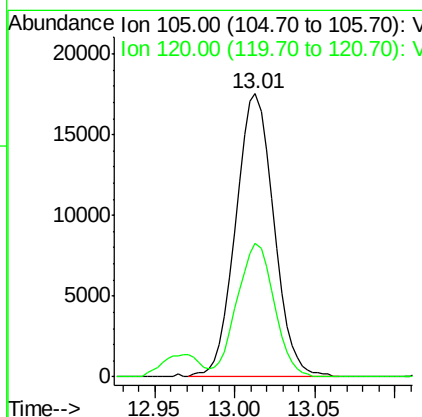
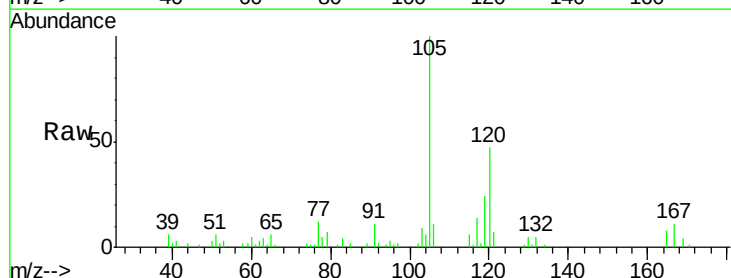
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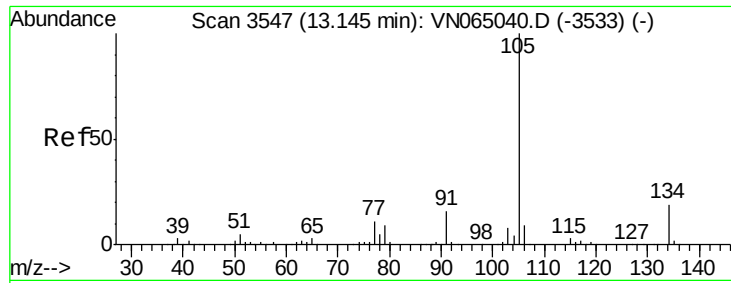
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#84
1,2,4-Trimethylbenzene
Concen: 3.734 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 3.863 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 32197

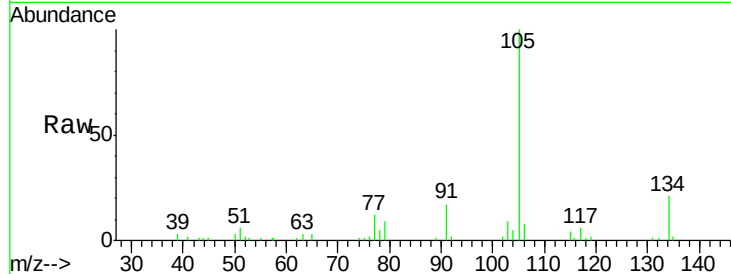
Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5

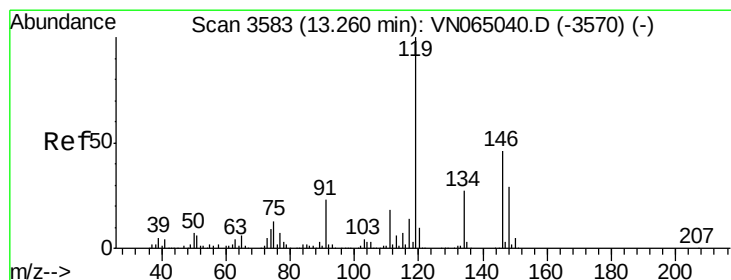
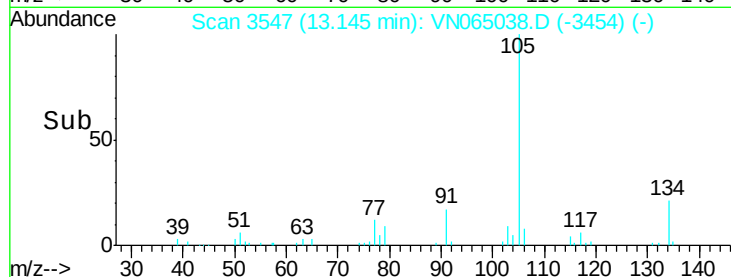
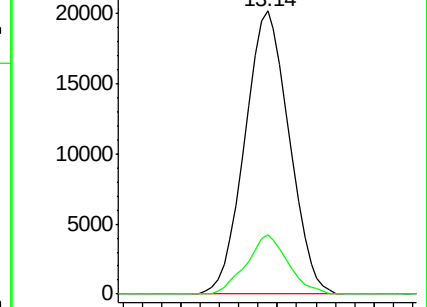
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.706 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN065038.D

Acq: 10 Dec 2020 10:23

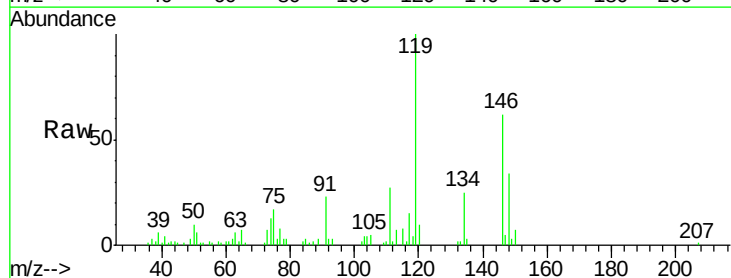
Tgt Ion:119 Resp: 28123

Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

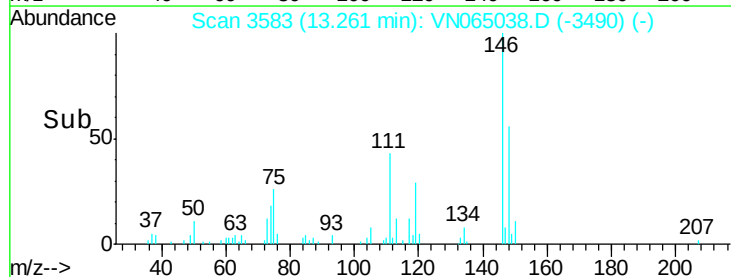
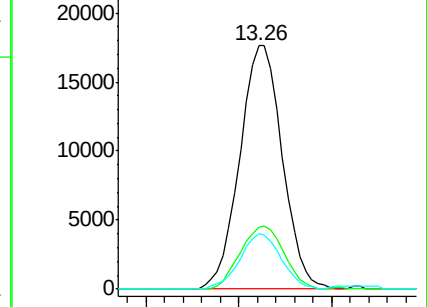
91 22.1 11.5 34.4

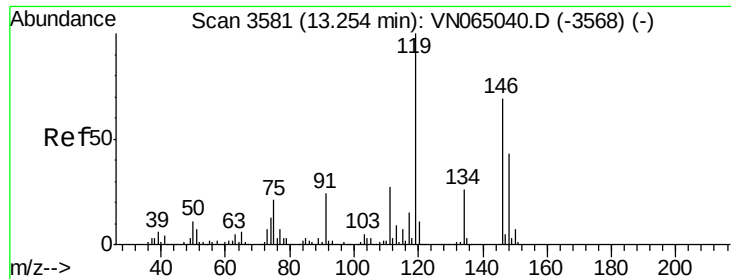


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





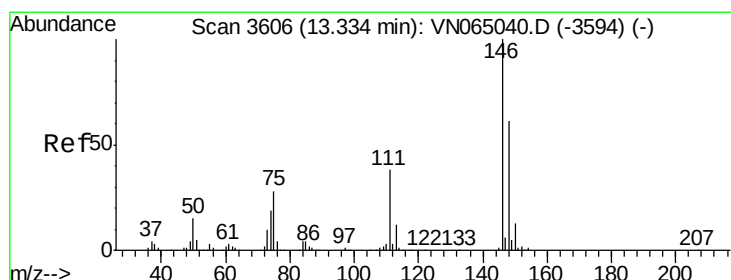
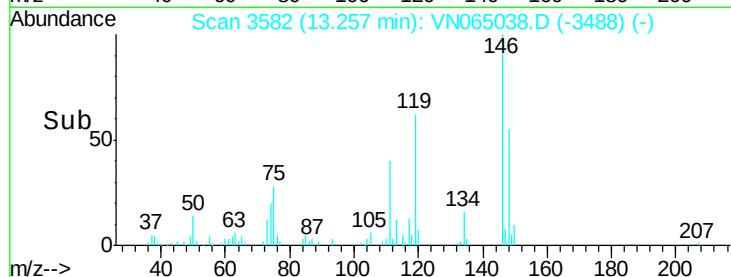
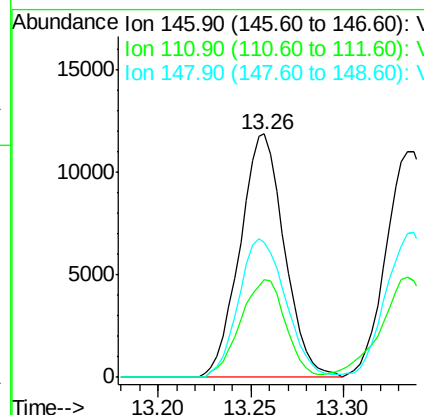
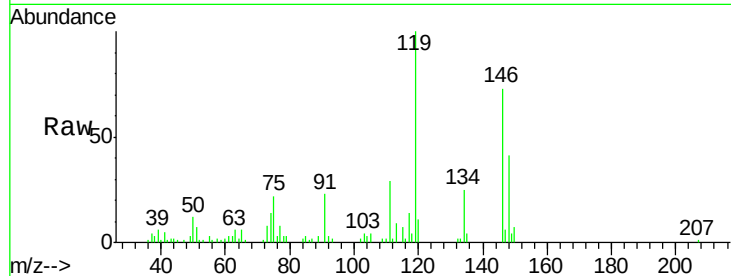
#87
 1,3-Dichlorobenzene
 Concen: 4.529 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	59.9
148	60.4	31.6	94.7

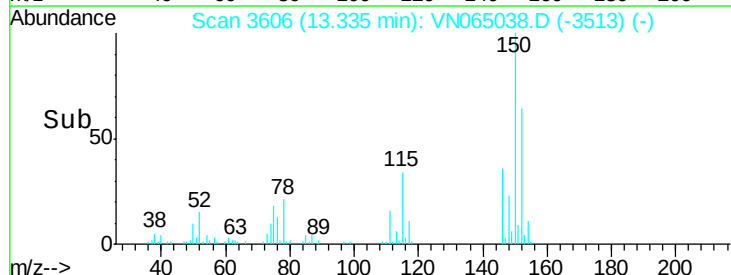
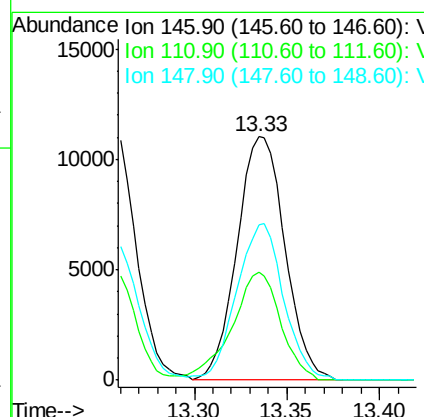
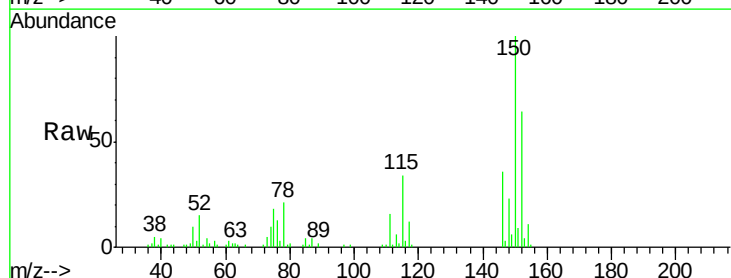
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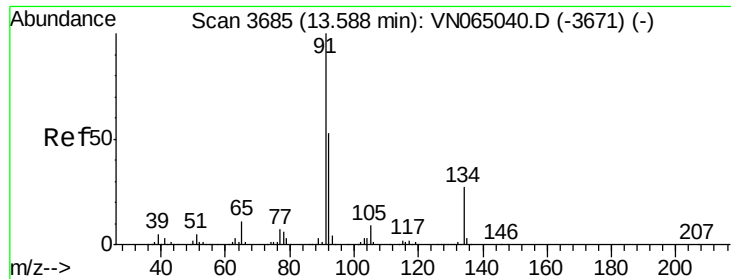
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#88
 1,4-Dichlorobenzene
 Concen: 4.297 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	19.2	57.6
148	63.1	31.1	93.3





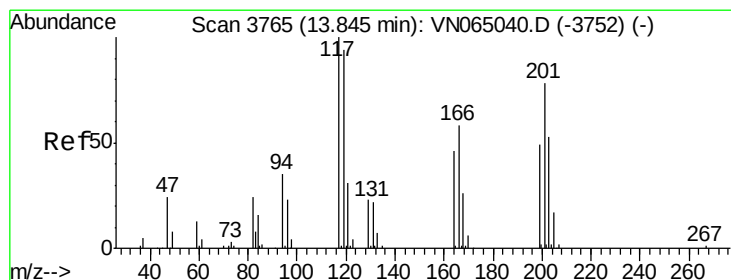
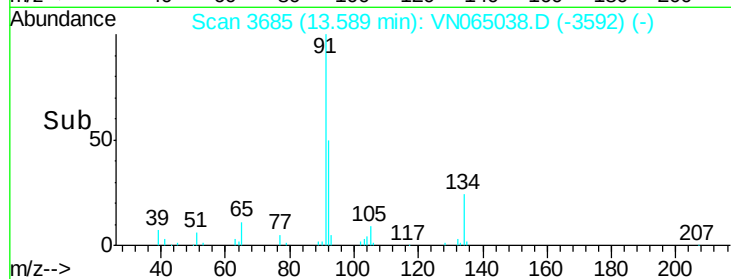
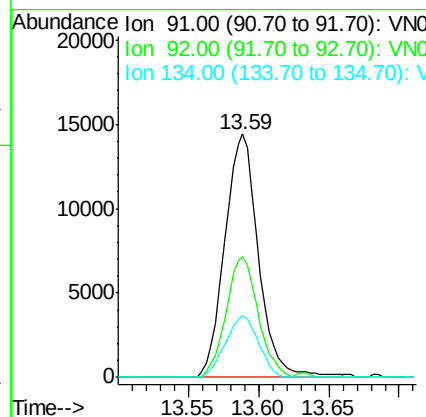
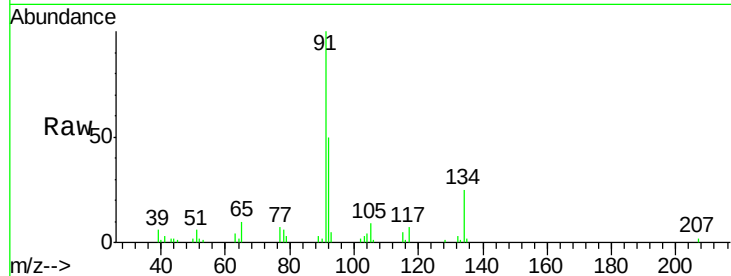
#89
n-Butylbenzene
Concen: 3.612 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.2	25.9	77.8
134	24.7	13.2	39.6

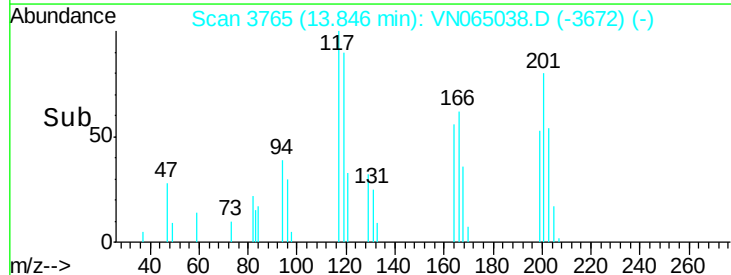
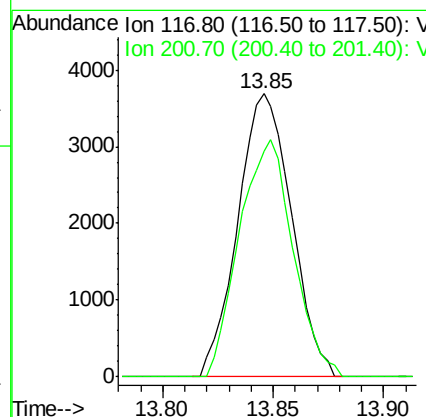
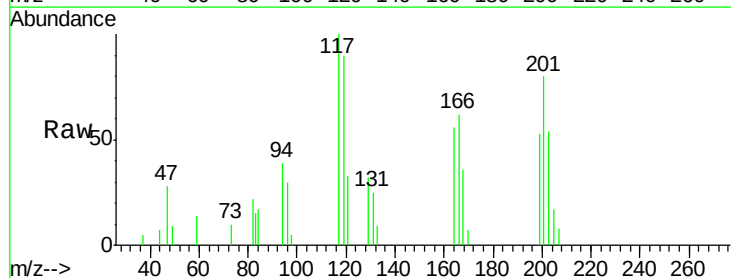
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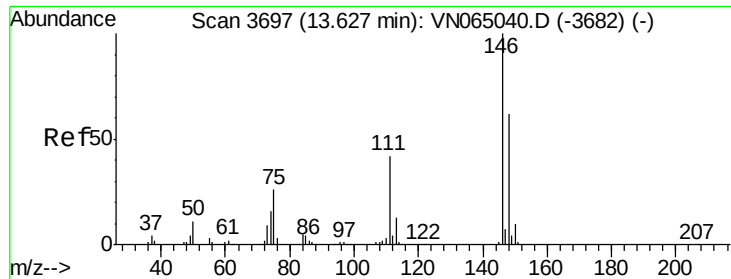
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#90
Hexachloroethane
Concen: 4.692 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	39.5	118.3





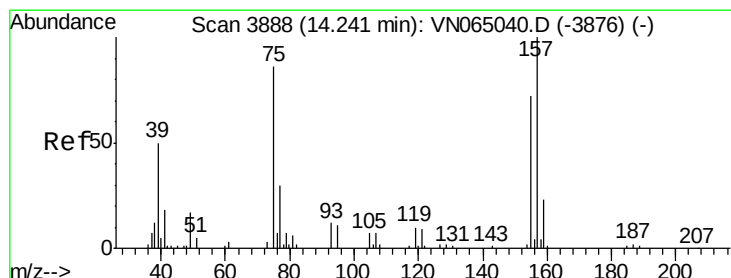
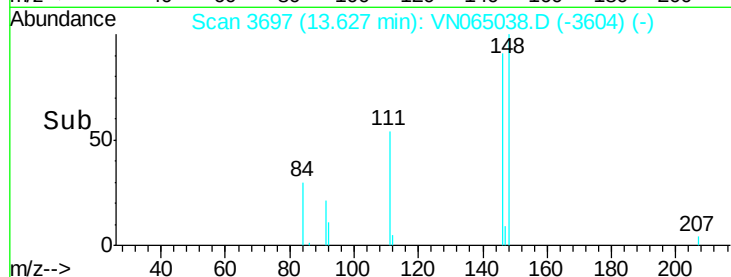
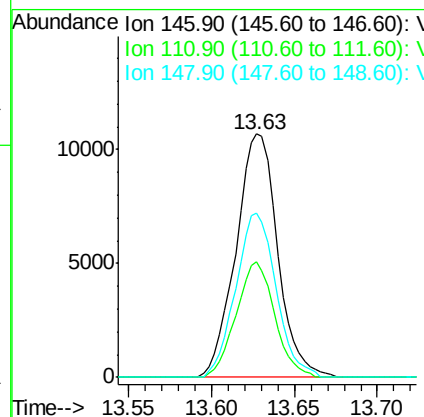
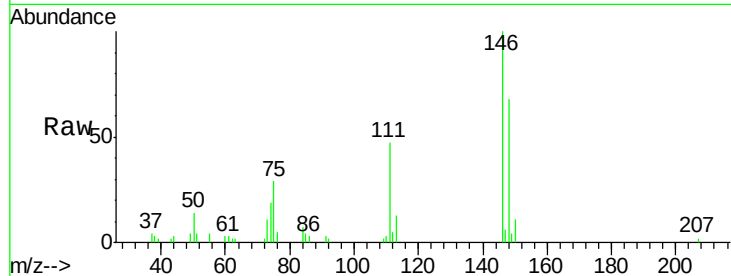
#91
 1,2-Dichlorobenzene
 Concen: 4.377 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.1
148	65.3	31.7	95.1

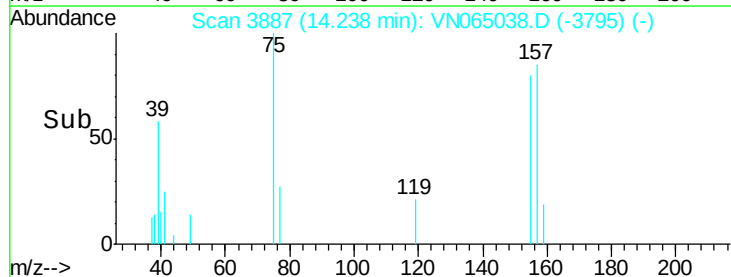
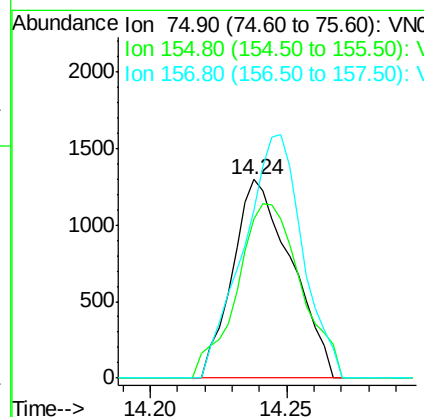
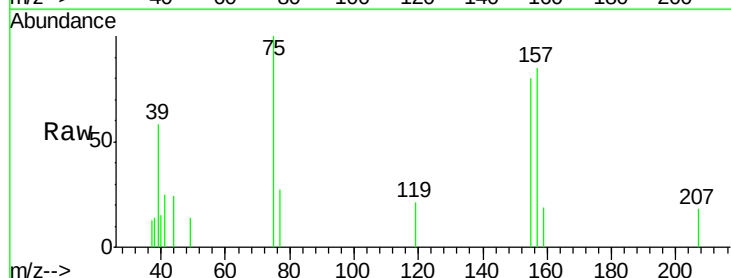
Manual Integrations
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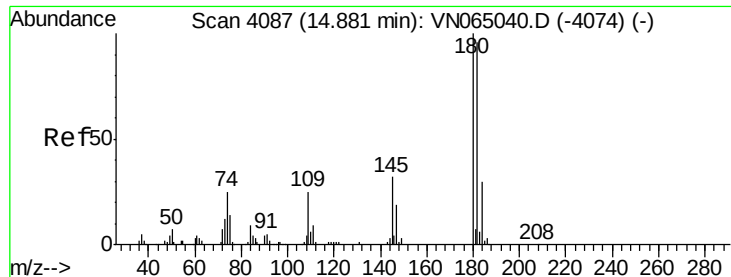
MMDadoda
 12/11/2020 12:32:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.305 ug/l
 RT: 14.24 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	43.8	131.4
157	122.8	58.1	174.3





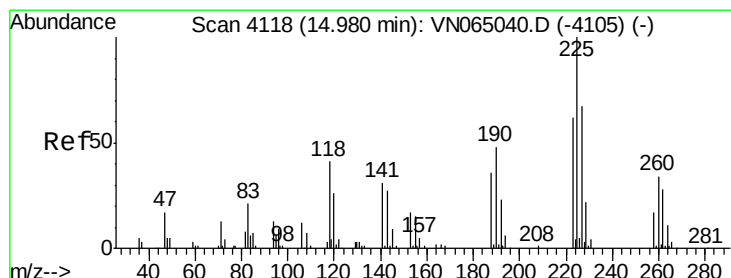
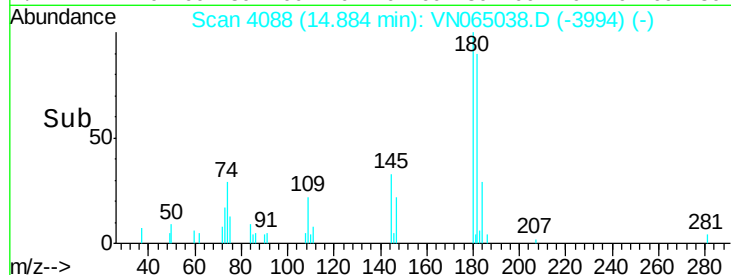
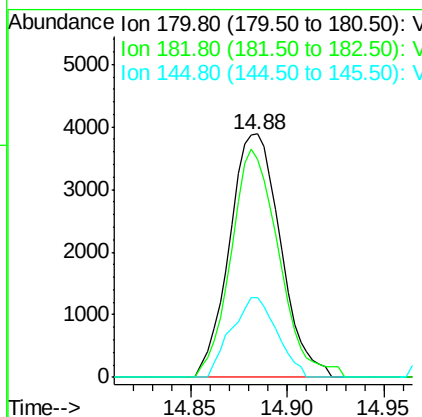
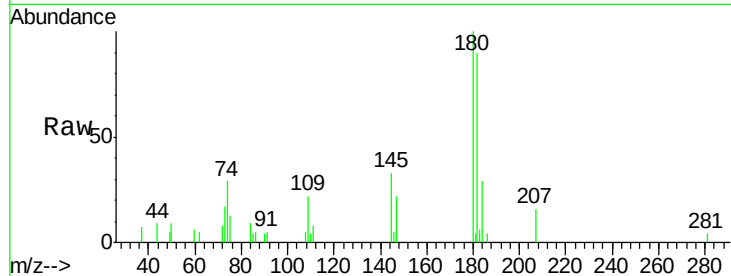
#93
 1,2,4-Trichlorobenzene
 Concen: 2.751 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.9	47.0	141.2
145	29.5	15.4	46.4

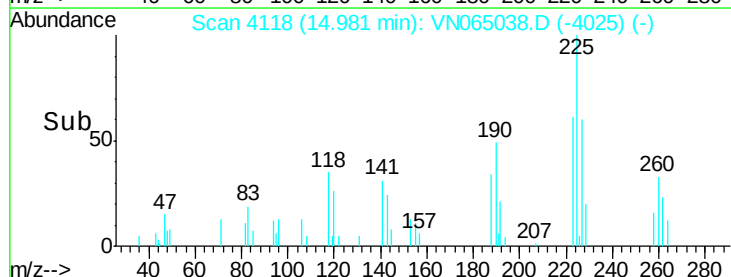
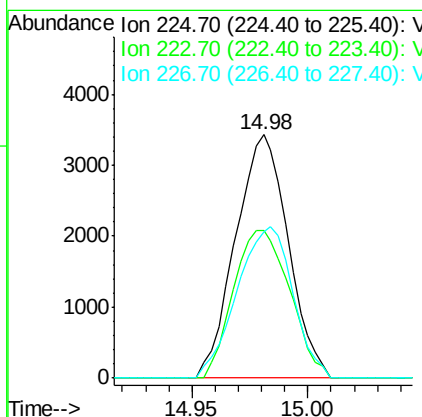
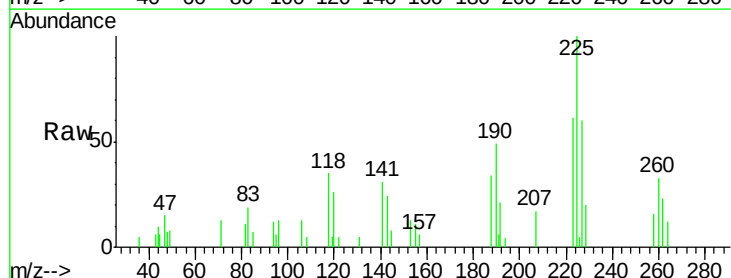
Manual Integrations
 APPROVED

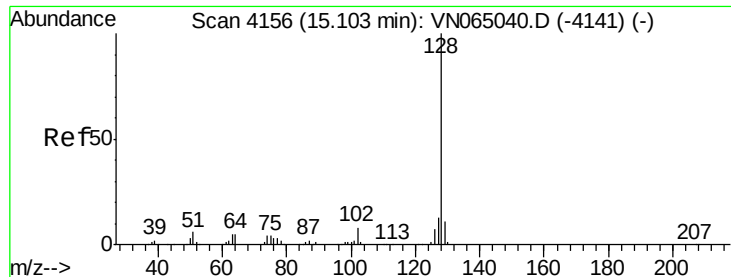
MMDadoda
 12/11/2020 12:32:16 PM



#94
 Hexachlorobutadiene
 Concen: 4.101 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN065038.D
 Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.4	94.0
227	65.7	32.3	96.8





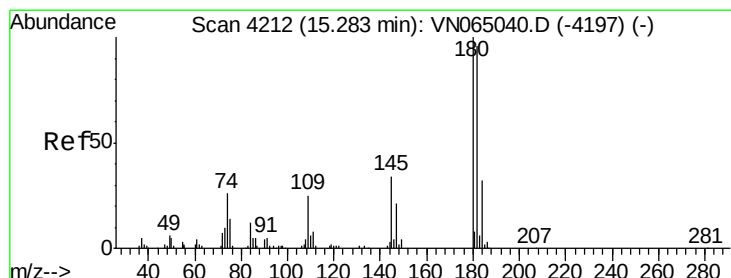
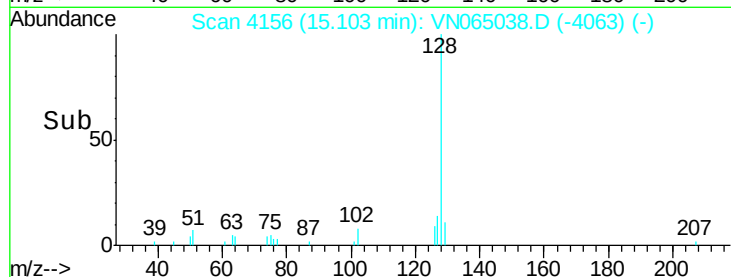
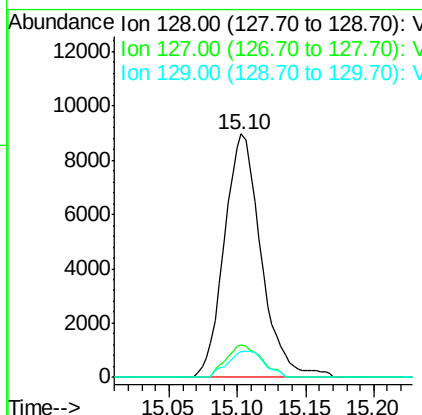
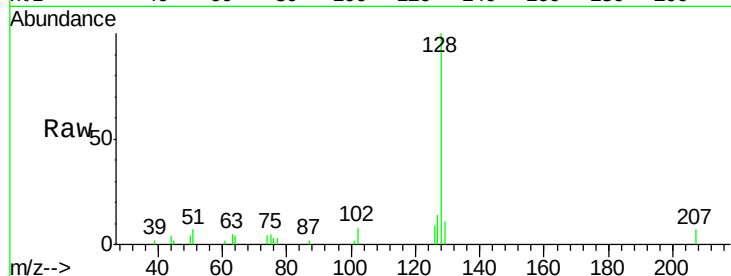
#95
Naphthalene
Concen: 2.180 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
12/11/2020 12:32:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.557 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN065038.D
Acq: 10 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.3	144.9
145	30.9	16.2	48.6

