

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065041.D
 Acq On : 10 Dec 2020 11:35
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:21 PM

Quant Time: Dec 10 14:21:11 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	214451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	324205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	299835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	153457	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.99	65	242586	97.29	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	194.58%#	
35) Dibromofluoromethane		7.55	113	211283	107.27	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	214.54%#	
50) Toluene-d8		10.06	98	838427	105.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	210.52%#	
62) 4-Bromofluorobenzene		12.37	95	297871	105.01	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	210.02%#	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	130996	73.074	ug/l	96
3) Chloromethane	2.04	50	178408	76.072	ug/l	99
4) Vinyl Chloride	2.17	62	193920	78.882	ug/l	99
5) Bromomethane	2.52	94	133675	82.852	ug/l	98
6) Chloroethane	2.67	64	129424	84.136	ug/l	98
7) Trichlorofluoromethane	2.99	101	296851	86.245	ug/l	96
8) Diethyl Ether	3.37	74	120588	88.569	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	182155	87.953	ug/l	98
10) Methyl Iodide	3.91	142	242143	91.765	ug/l	99
11) Tert butyl alcohol	4.75	59	146172	391.860	ug/l	98
12) 1,1-Dichloroethene	3.69	96	172378	84.465	ug/l	96
13) Acrolein	3.57	56	114243	478.227	ug/l	98
14) Allyl chloride	4.27	41	292584	86.788	ug/l	99
15) Acrylonitrile	4.93	53	471334	446.172	ug/l	99
16) Acetone	3.78	43	403078	481.416	ug/l	99
17) Carbon Disulfide	4.01	76	404618	69.531	ug/l	99
18) Methyl Acetate	4.28	43	220914	90.219	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	618093	93.769	ug/l	99
20) Methylene Chloride	4.50	84	211626	82.914	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	193637	85.285	ug/l	97
22) Diisopropyl ether	5.90	45	638925	93.840	ug/l	99
23) Vinyl Acetate	5.84	43	2541037	469.865	ug/l	99
24) 1,1-Dichloroethane	5.80	63	368338	90.543	ug/l	100
25) 2-Butanone	6.79	43	603625	461.359	ug/l	97
26) 2,2-Dichloropropane	6.78	77	317084	89.909	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	236090	91.762	ug/l	98
28) Bromochloromethane	7.15	49	173021	92.868	ug/l	99
29) Tetrahydrofuran	7.17	42	380857	425.568	ug/l	98
30) Chloroform	7.33	83	378634	89.700	ug/l	99
31) Cyclohexane	7.61	56	280299	82.680	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	326612	90.502	ug/l	99
36) 1,1-Dichloropropene	7.75	75	274716	92.258	ug/l	99
37) Ethyl Acetate	6.88	43	245252	86.838	ug/l	99
38) Carbon Tetrachloride	7.73	117	288665	93.037	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	277214	87.839	ug/l	98
40) Benzene	8.00	78	843987	92.495	ug/l	99
41) Methacrylonitrile	7.13	41	128466	94.361	ug/l	96
42) 1,2-Dichloroethane	8.08	62	282054	91.466	ug/l	100
43) Isopropyl Acetate	8.13	43	414772	90.690	ug/l #	91
44) Trichloroethene	8.80	130	235341	87.779	ug/l	98
45) 1,2-Dichloropropane	9.08	63	228939	96.056	ug/l	98
46) Dibromomethane	9.17	93	148940	93.882	ug/l	99
47) Bromodichloromethane	9.37	83	307129	96.212	ug/l	100
48) Methyl methacrylate	9.16	41	204867	93.770	ug/l	98
49) 1,4-Dioxane	9.17	88	72457	1758.514	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1254989	457.573	ug/l	99
52) Toluene	10.12	92	544074	96.557	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	341820	96.609	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	372903	98.094	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	221891	95.119	ug/l	99
56) Ethyl methacrylate	10.40	69	317015	100.234	ug/l	99
57) 1,3-Dichloropropane	10.68	76	366923	96.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	726415	416.646	ug/l	99
59) 2-Hexanone	10.72	43	919376	466.177	ug/l	99
60) Dibromochloromethane	10.87	129	258565	100.167	ug/l	99
61) 1,2-Dibromoethane	10.98	107	222621	94.537	ug/l	97
64) Tetrachloroethene	10.60	164	240806	83.592	ug/l	99
65) Chlorobenzene	11.41	112	599739	92.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	232531	98.049	ug/l	98
67) Ethyl Benzene	11.48	91	1046602	97.751	ug/l	99
68) m/p-Xylenes	11.59	106	811702	199.075	ug/l	99
69) o-Xylene	11.92	106	388599	100.611	ug/l	99
70) Styrene	11.94	104	675948	103.603	ug/l	99
71) Bromoform	12.10	173	181118	96.138	ug/l #	98
73) Isopropylbenzene	12.22	105	1019966	95.962	ug/l	100
74) N-amyl acetate	12.04	43	373442	90.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	292209	93.461	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	284368m	87.388	ug/l	
77) Bromobenzene	12.50	156	265039	92.224	ug/l	99
78) n-propylbenzene	12.56	91	1160187	96.180	ug/l	100
79) 2-Chlorotoluene	12.65	91	689506	92.344	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	869735	98.513	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	108521	92.243	ug/l	98
82) 4-Chlorotoluene	12.75	91	738504	94.277	ug/l	99
83) tert-Butylbenzene	12.97	119	725420	98.001	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	885061	98.928	ug/l	100
85) sec-Butylbenzene	13.14	105	934448	95.598	ug/l	100
86) p-Isopropyltoluene	13.26	119	887594	99.744	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	480630	94.104	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	480796	89.053	ug/l	98
89) n-Butylbenzene	13.59	91	736457	94.750	ug/l	99
90) Hexachloroethane	13.85	117	154268	99.237	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	472490	94.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	59439	86.346	ug/l	97

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VSTDICC100

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Quant Title : SW846 8260
QLast Update : Thu Dec 10 14:05:55 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	255636	84.238	ug/l	99
94) Hexachlorobutadiene	14.98	225	129216	83.515	ug/l	99
95) Naphthalene	15.10	128	762775	84.240	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	241422	80.914	ug/l	99

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

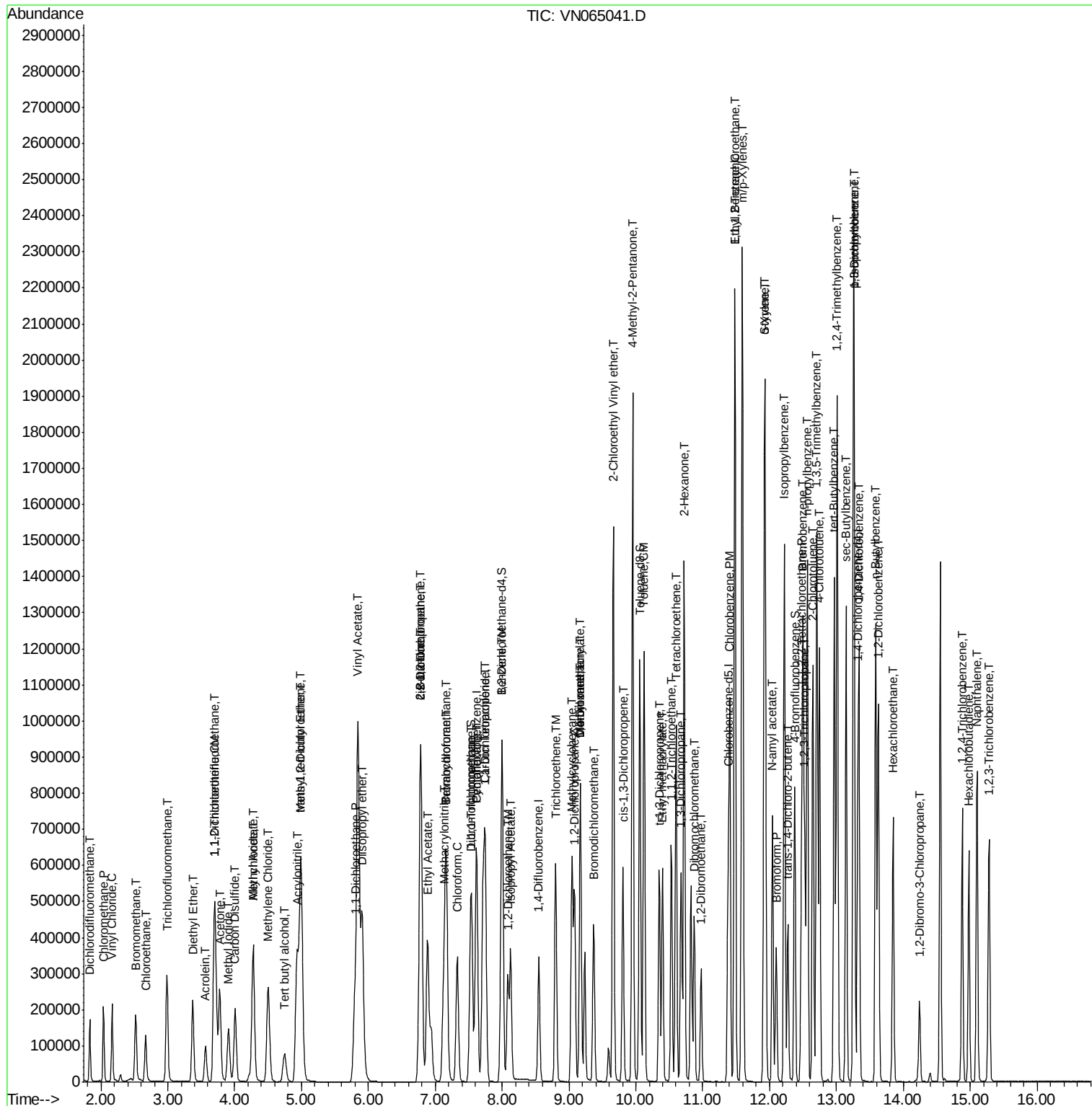
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Data File : VN065041.D
Acq On : 10 Dec 2020 11:35
Operator : JC/MD
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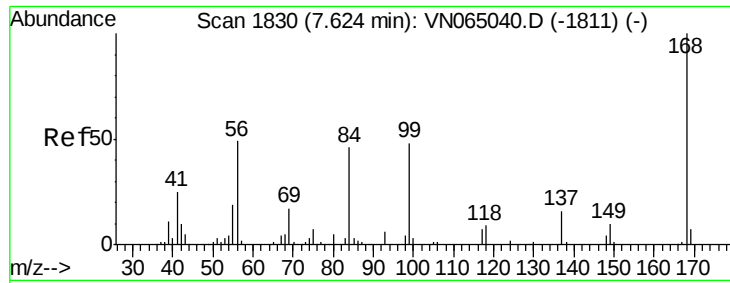
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 214451

Ion Ratio Lower Upper

168 100

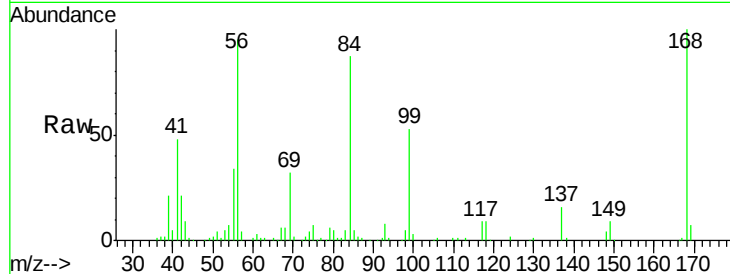
99 53.0 44.0 66.0

Manual Integrations

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12/11/2020 12:32:21 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

40000

20000

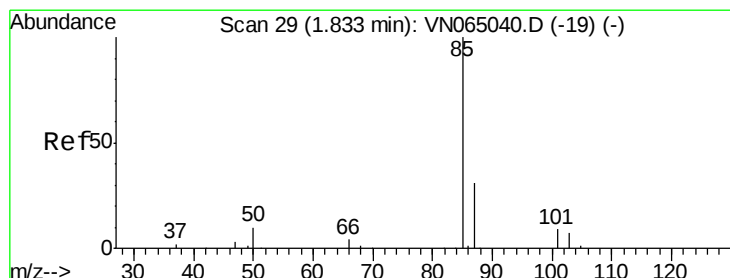
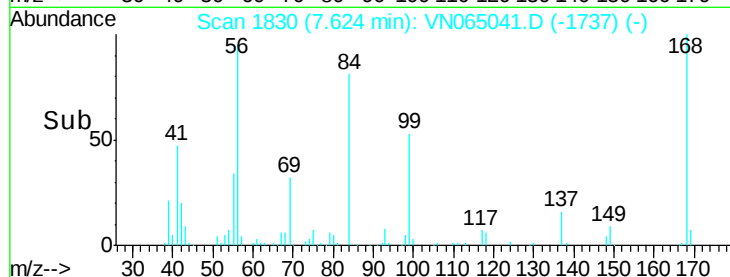
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 73.074 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065041.D

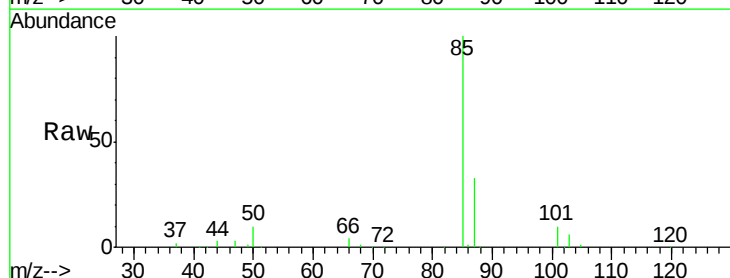
Acq: 10 Dec 2020 11:35

Tgt Ion: 85 Resp: 130996

Ion Ratio Lower Upper

85 100

87 33.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

40000

20000

0

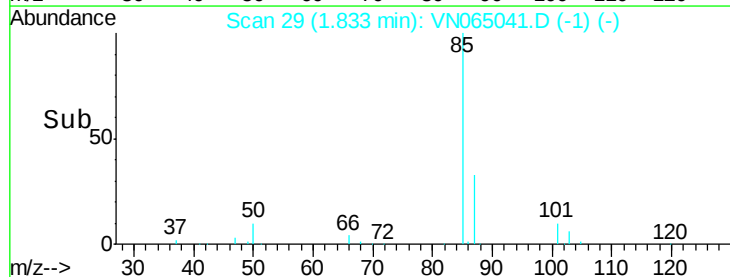
1.75

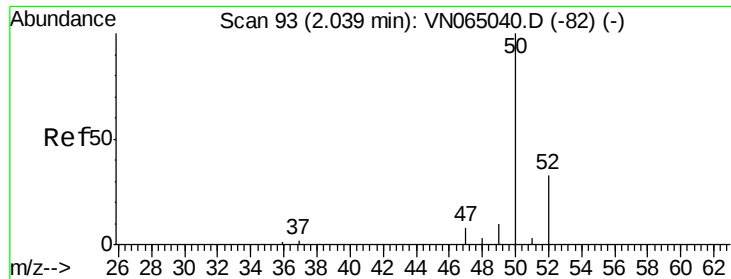
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 76.072 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 178408

Ion Ratio Lower Upper

50 100

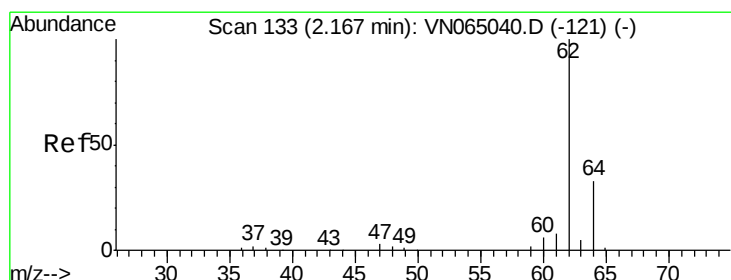
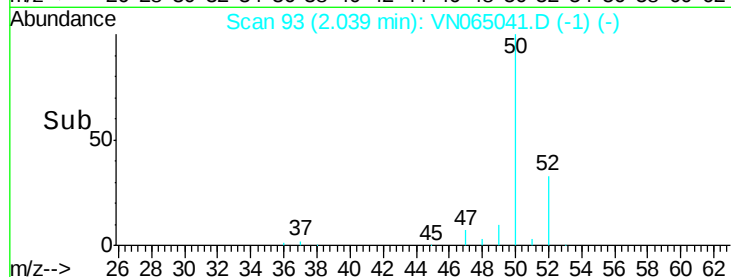
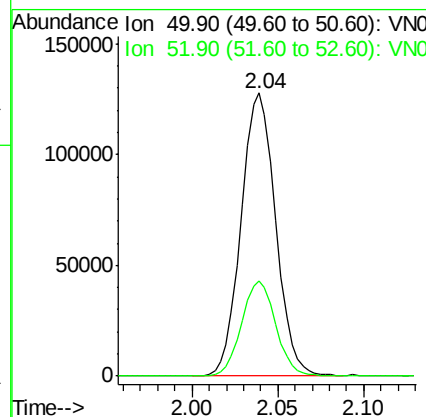
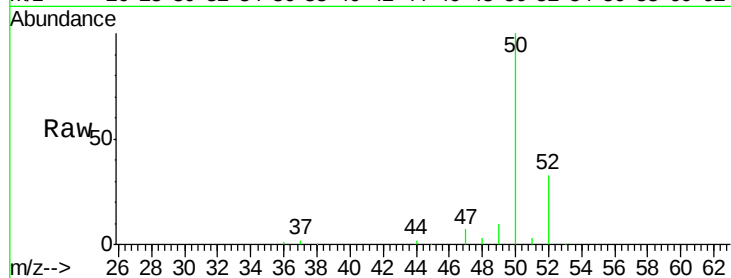
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 78.882 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065041.D

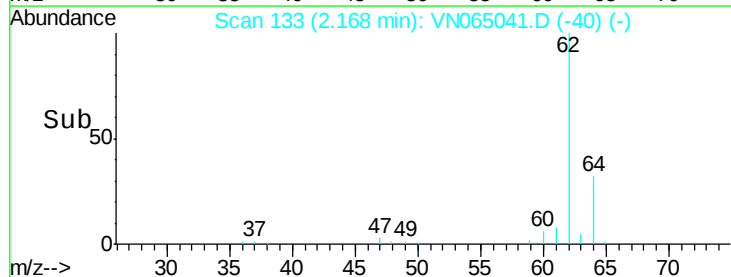
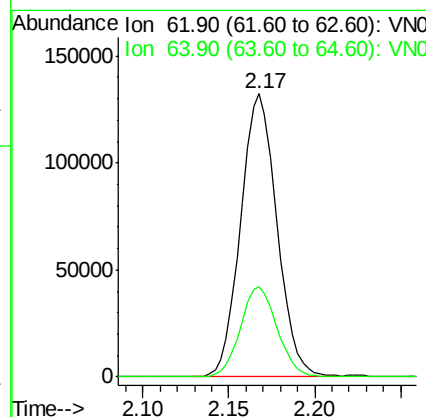
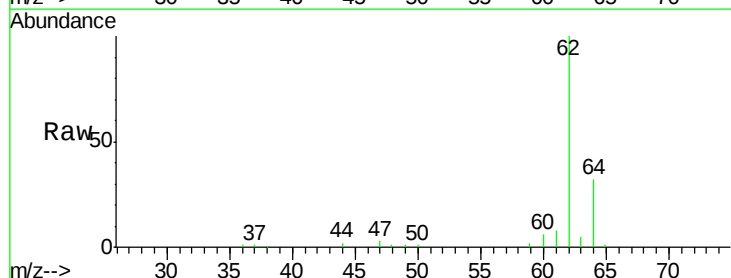
Acq: 10 Dec 2020 11:35

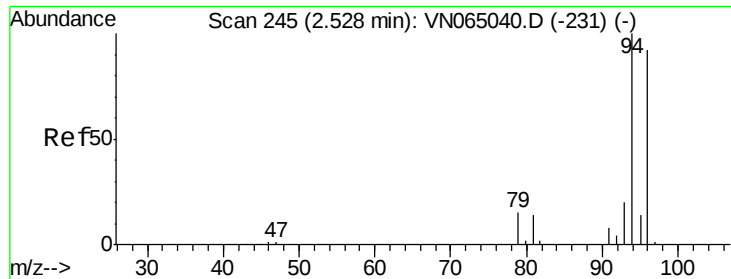
Tgt Ion: 62 Resp: 193920

Ion Ratio Lower Upper

62 100

64 32.0 26.1 39.1





#5

Bromomethane

Concen: 82.852 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

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MSVOA_N

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Tot Ion: 94 Resp: 133675

Ion Ratio Lower Upper

94 100

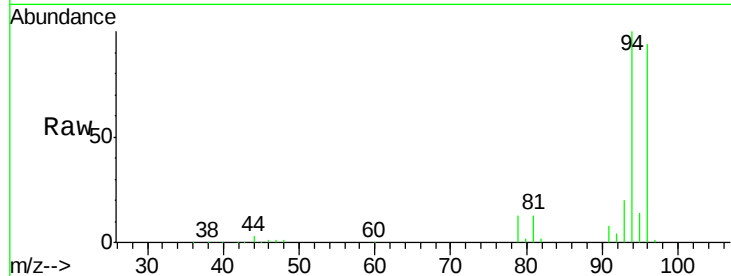
96 94.4 73.8 110.8

Manual Integrations

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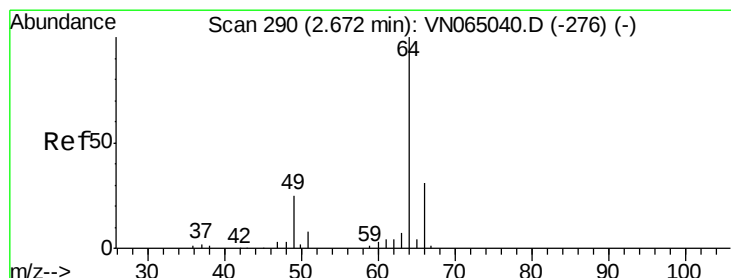
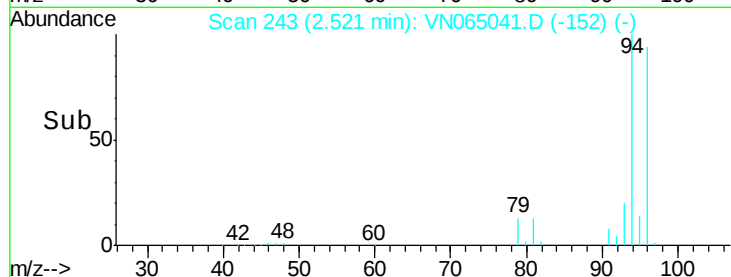
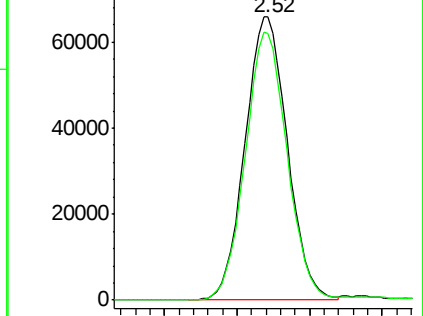
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 84.136 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN065041.D

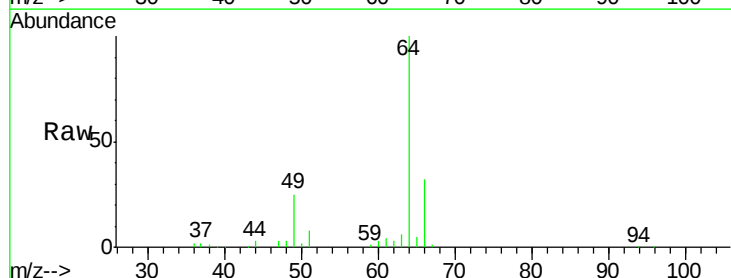
Acq: 10 Dec 2020 11:35

Tgt Ion: 64 Resp: 129424

Ion Ratio Lower Upper

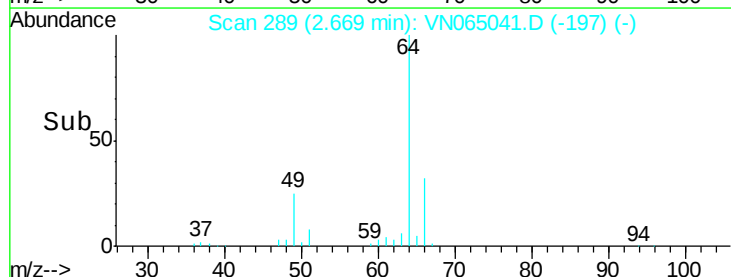
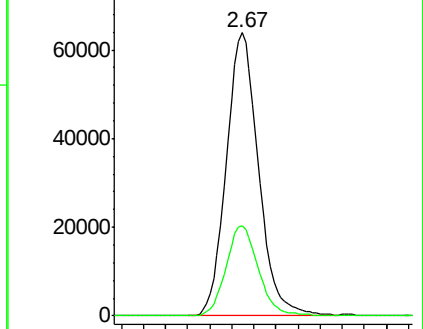
64 100

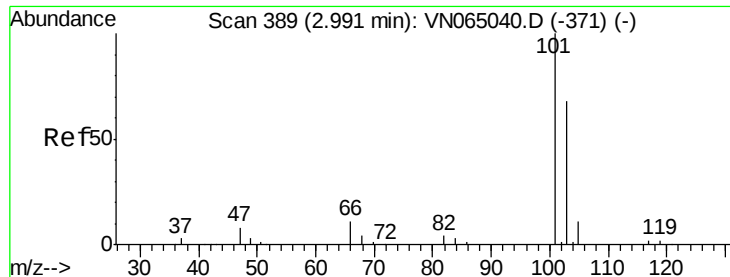
66 31.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

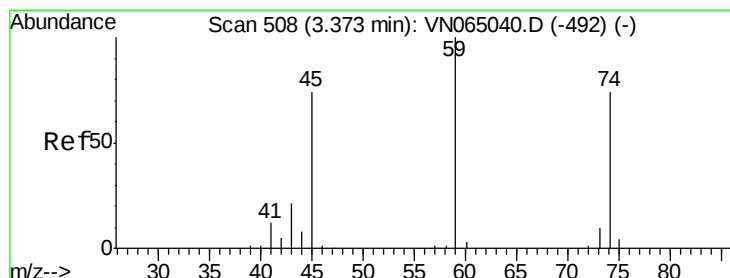
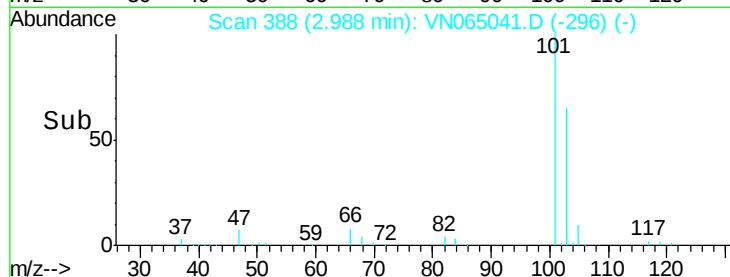
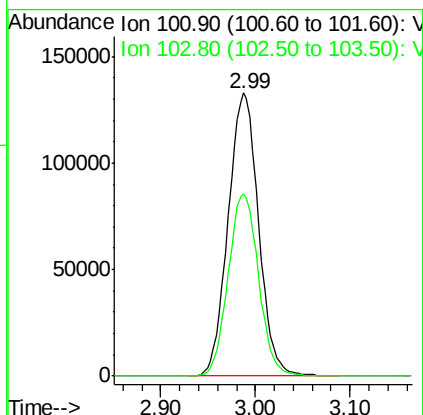
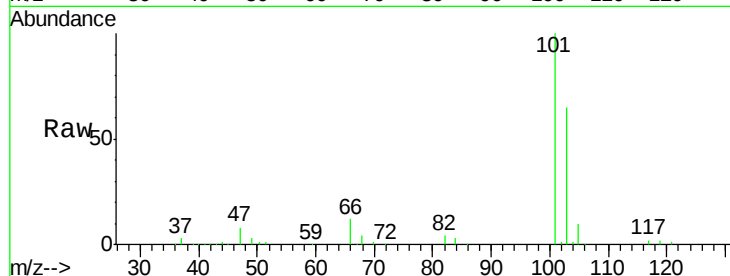
Trichlorofluoromethane
Concen: 86.245 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN065041.D
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Instrument :
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VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		296851		
103	64.6	54.5	81.7		

Manual Integrations
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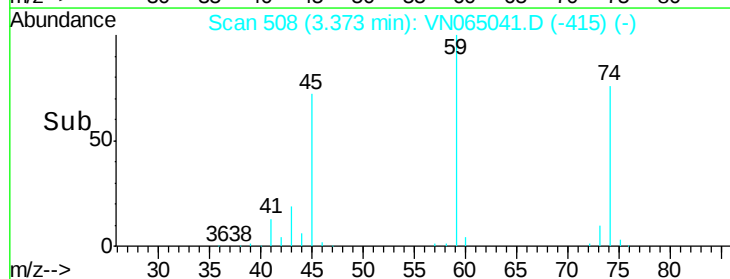
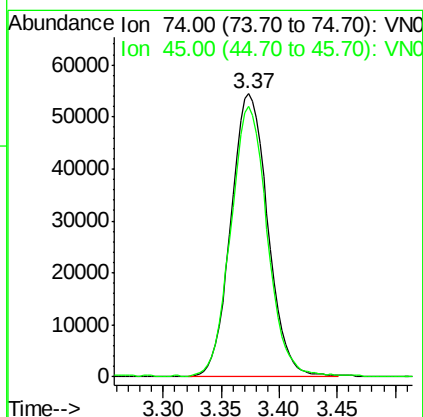
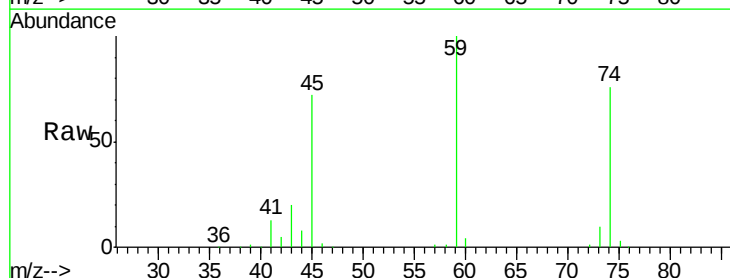
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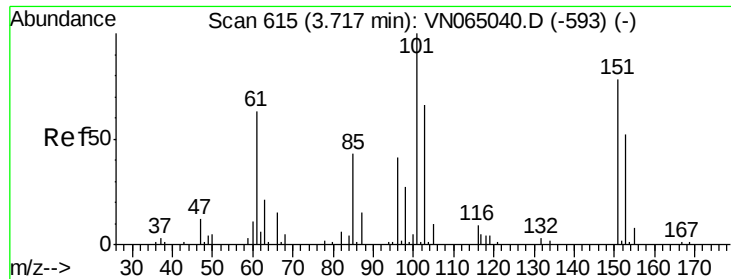


#8

Diethyl Ether
Concen: 88.569 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		120588		
45	93.8	49.1	147.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.953 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

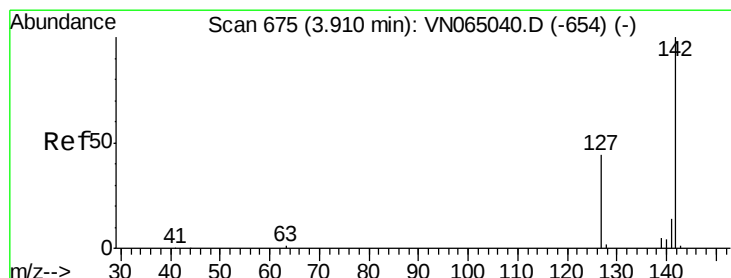
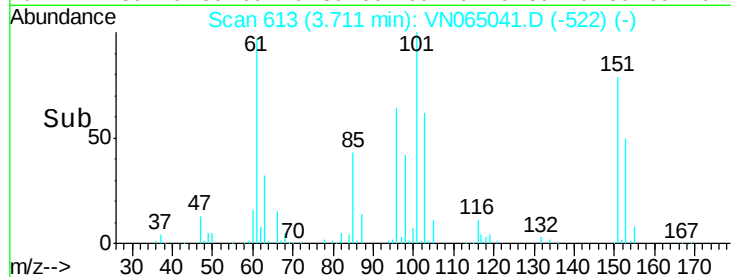
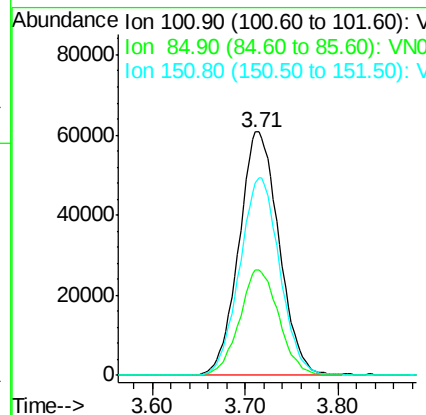
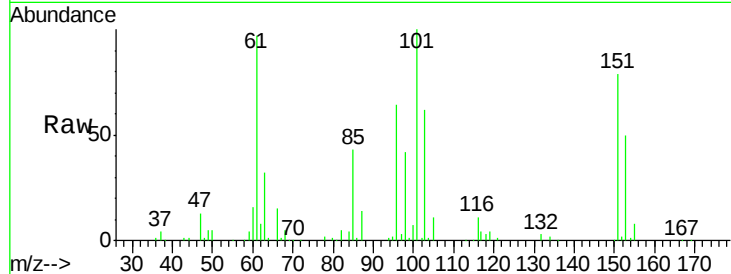
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	182155
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.2	49.8
151	80.8	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 91.765 ug/l

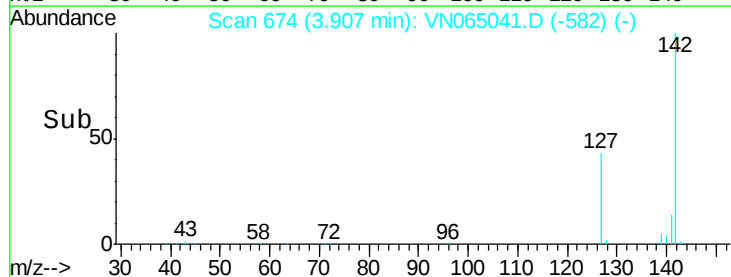
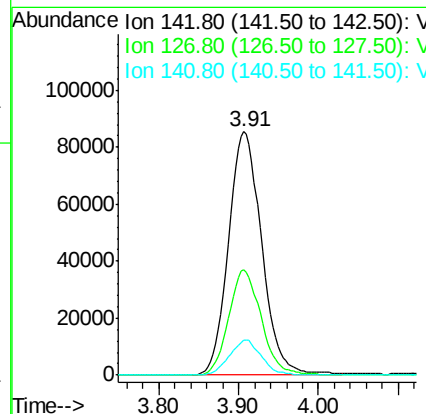
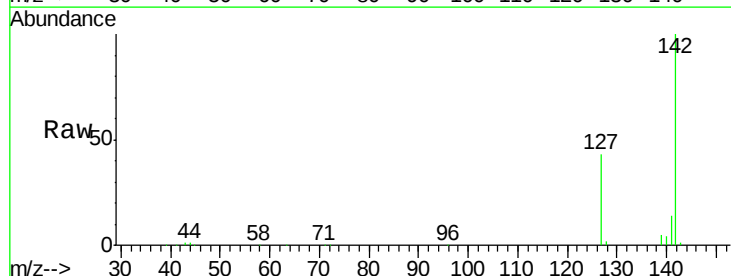
RT: 3.91 min Scan# 674

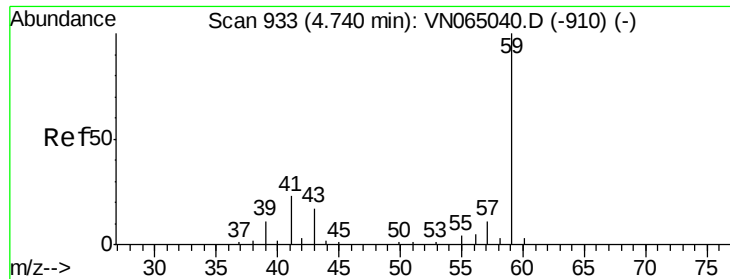
Delta R.T. -0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Tgt Ion:	142	Resp:	242143
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	13.8	10.9	16.3





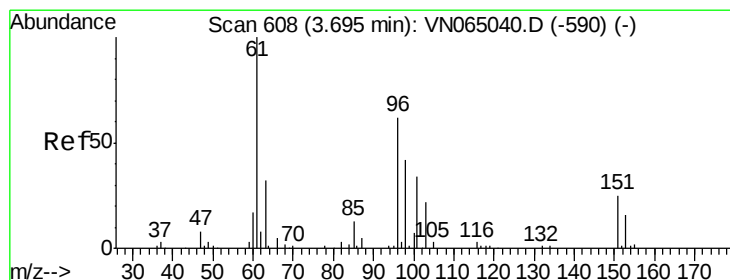
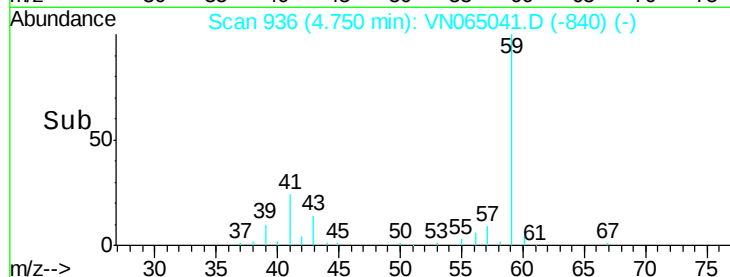
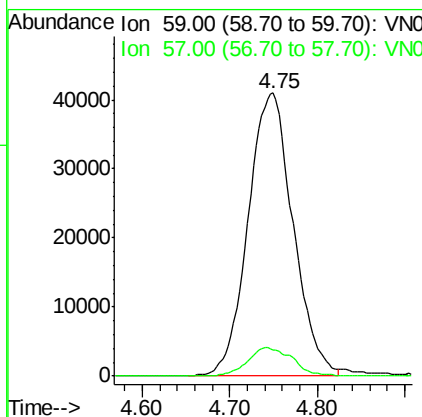
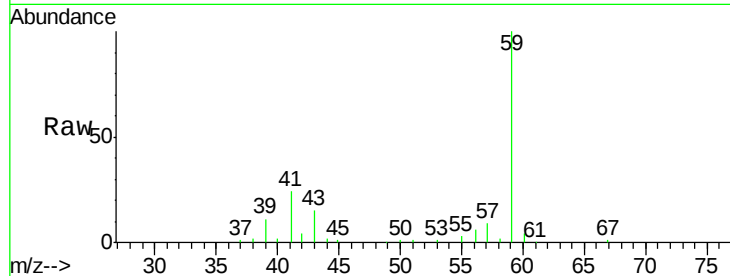
#11
Tert butyl alcohol
Concen: 391.860 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 146172
Ion Ratio Lower Upper
59 100
57 10.0 8.6 12.8

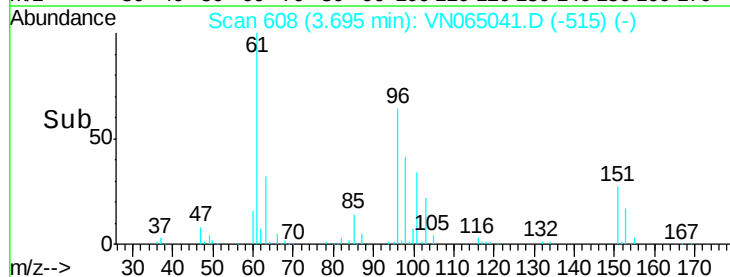
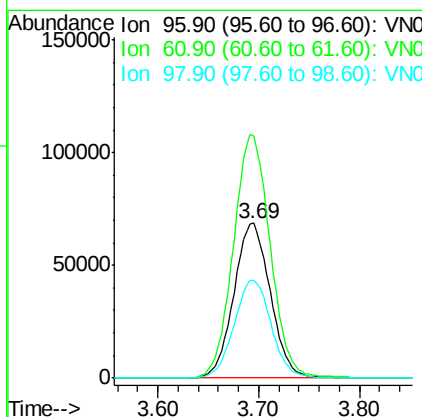
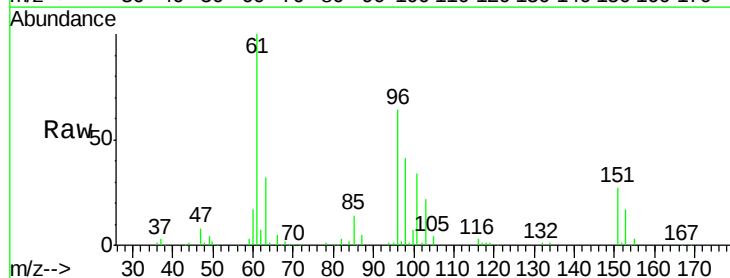
Manual Integrations
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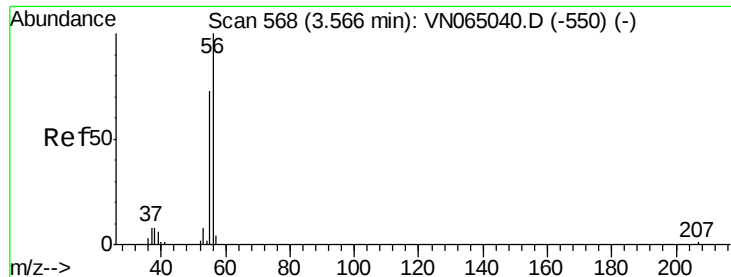
MMDadoda
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#12
1,1-Dichloroethene
Concen: 84.465 ug/l
RT: 3.69 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion: 96 Resp: 172378
Ion Ratio Lower Upper
96 100
61 156.4 128.4 192.6
98 63.4 53.6 80.4





#13

Acrolein

Concen: 478.227 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 114243

Ion Ratio Lower Upper

56 100

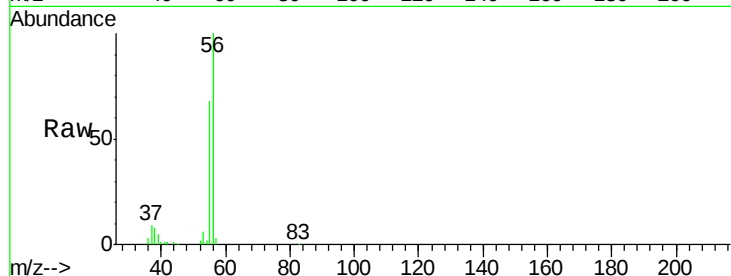
55 71.0 58.4 87.6

Manual Integrations

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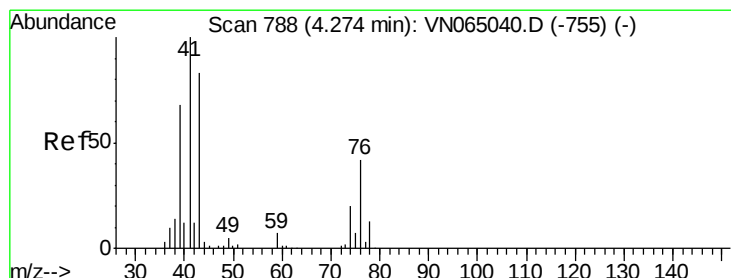
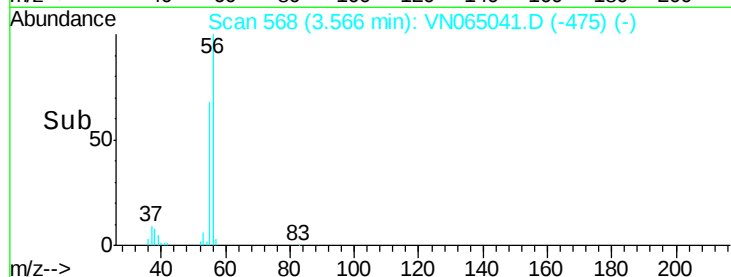
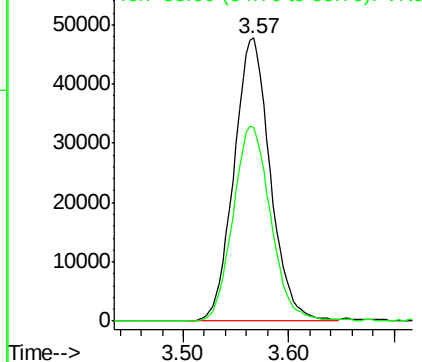
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 86.788 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

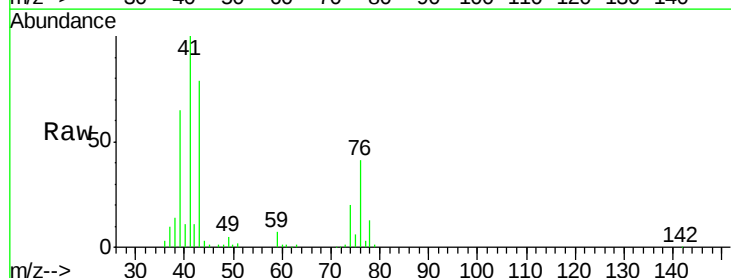
Tgt Ion: 41 Resp: 292584

Ion Ratio Lower Upper

41 100

39 62.5 49.0 73.6

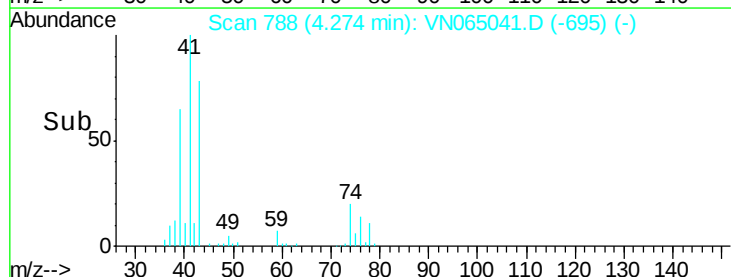
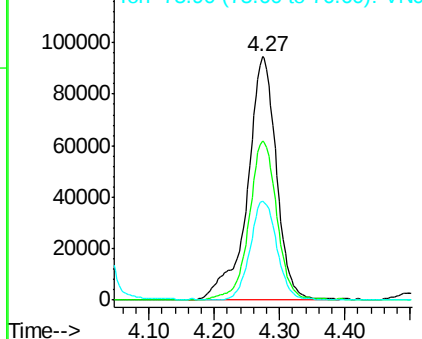
76 37.6 29.6 44.4

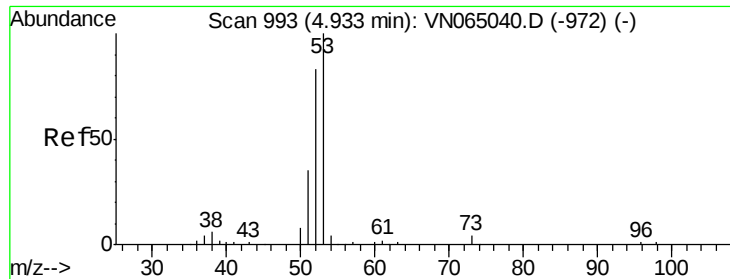


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 446.172 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

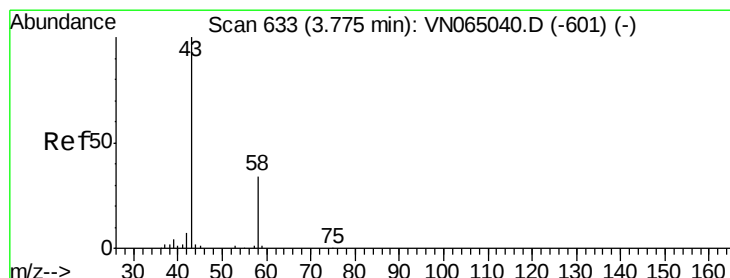
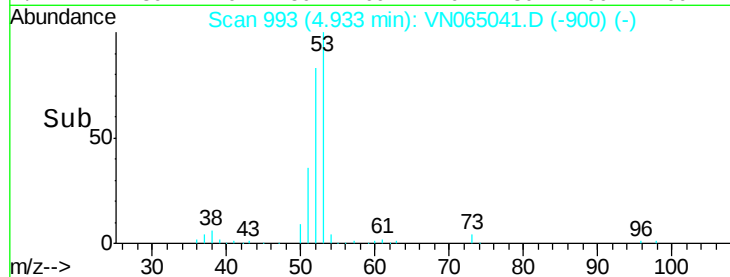
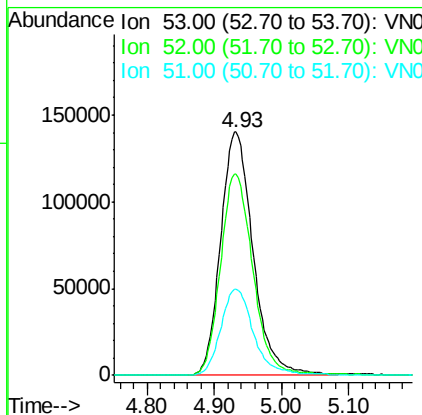
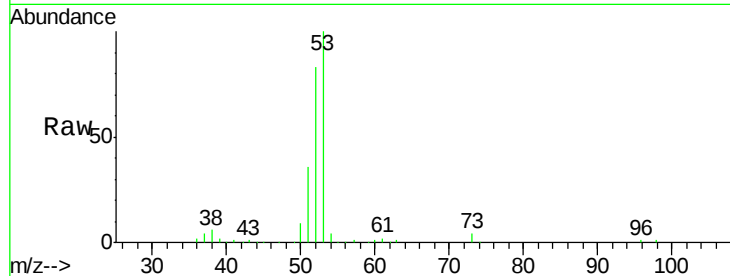
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	471334
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.4	98.0
51	35.7	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 481.416 ug/l

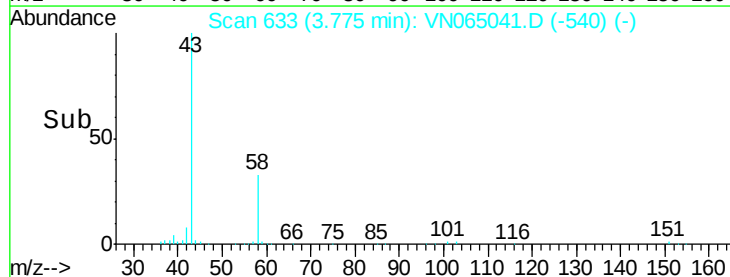
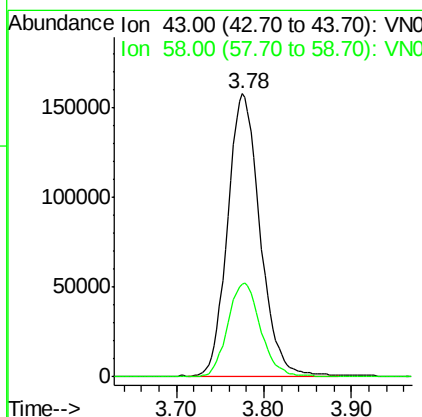
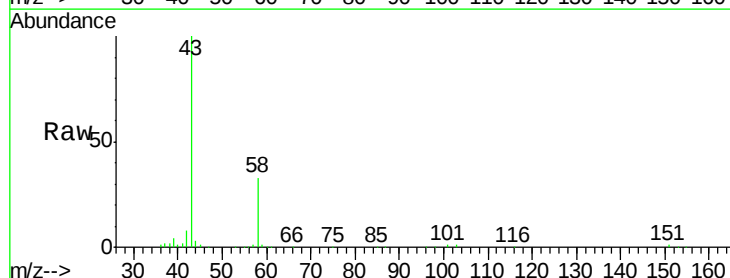
RT: 3.78 min Scan# 633

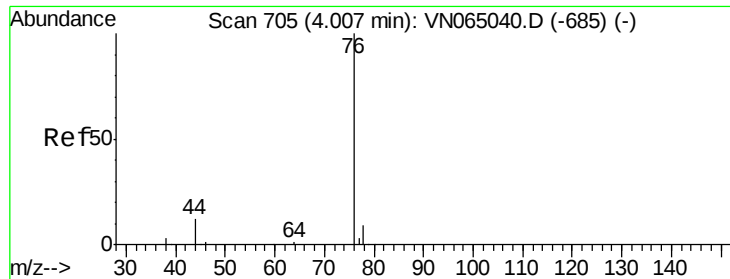
Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Tgt Ion:	43	Resp:	403078
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.8	40.2





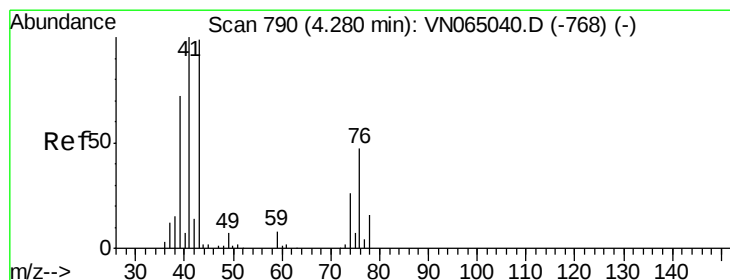
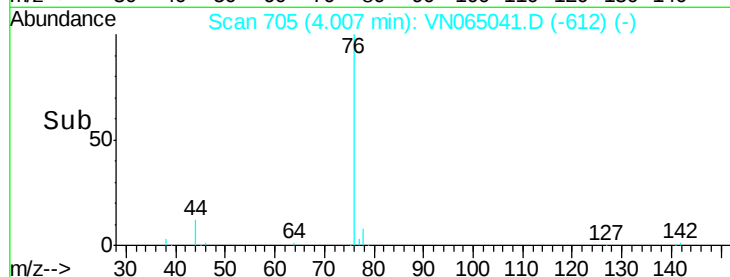
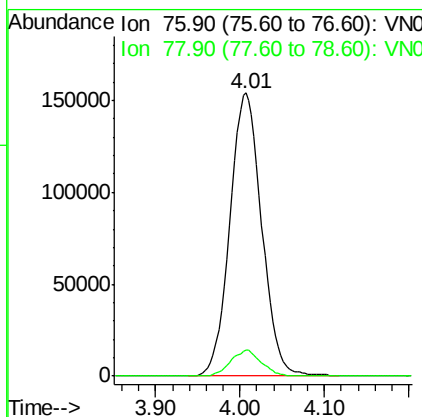
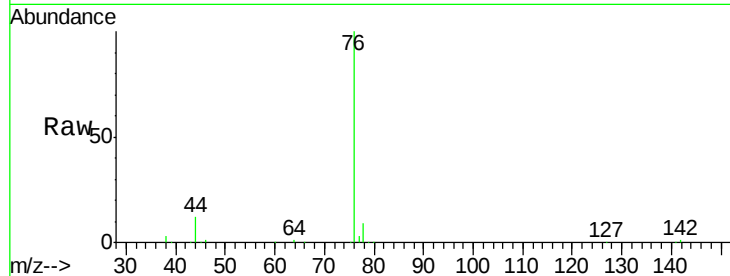
#17
Carbon Disulfide
Concen: 69.531 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

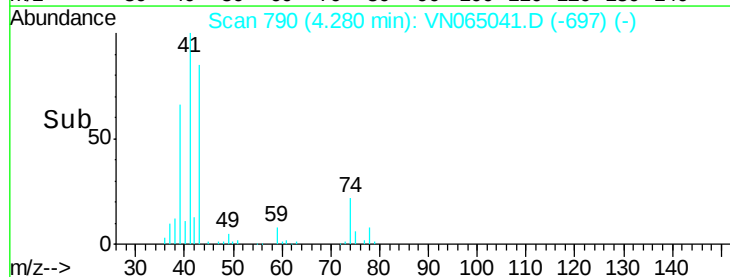
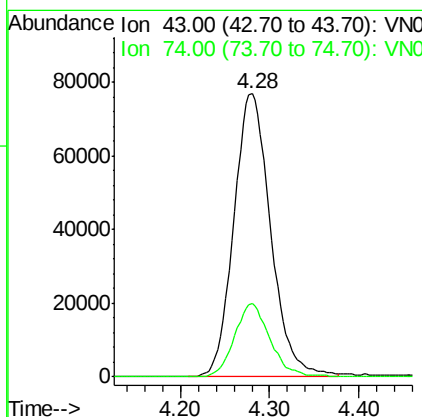
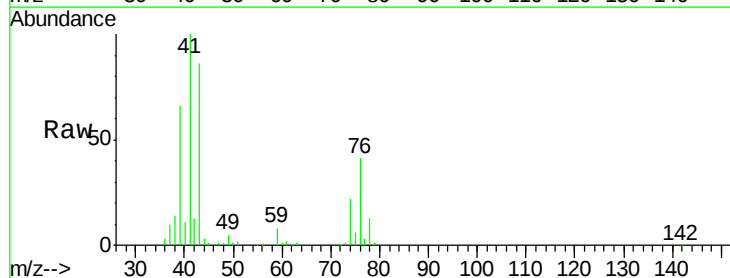
Manual Integrations
APPROVED

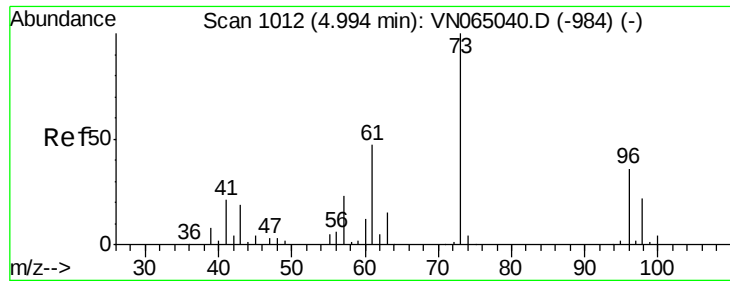
MMDadoda
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#18
Methyl Acetate
Concen: 90.219 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.1	30.1





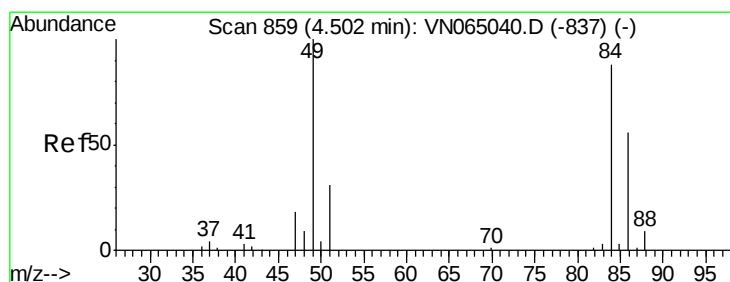
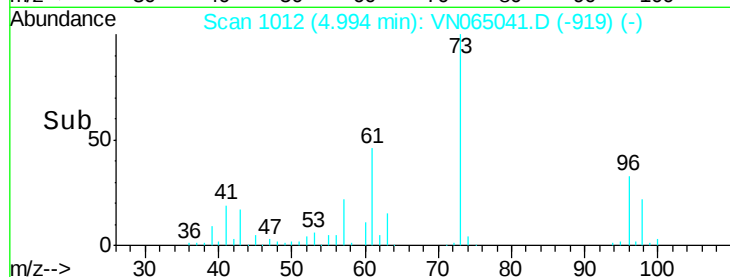
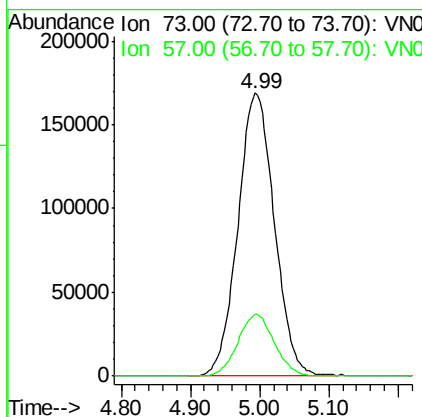
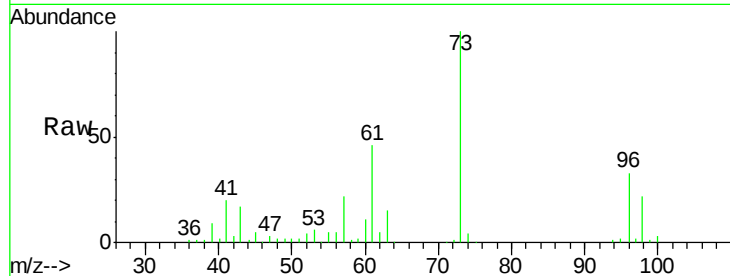
#19
Methvl tert-butvl Ether
Concen: 93.769 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 618093
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

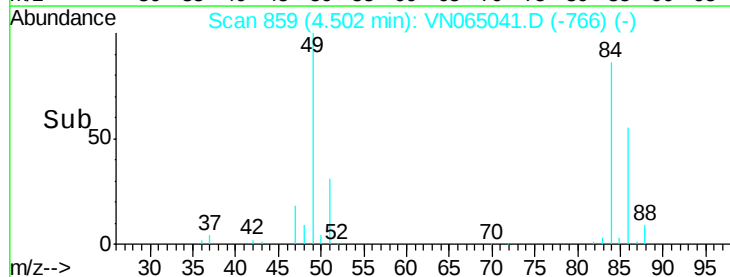
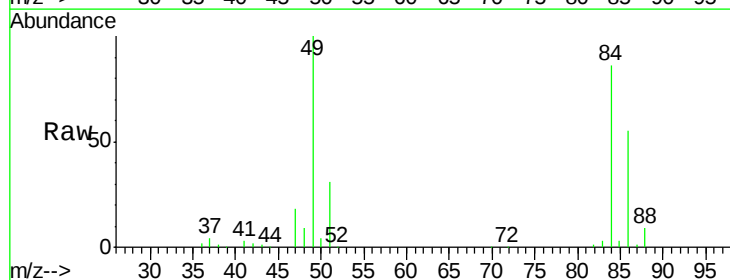
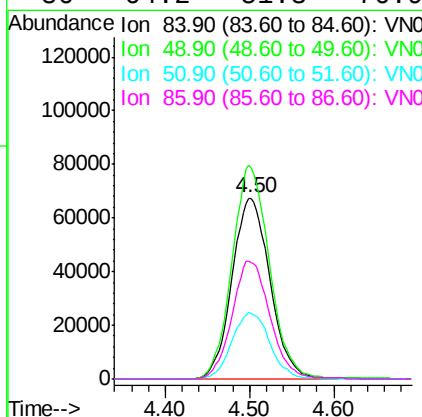
Manual Integrations
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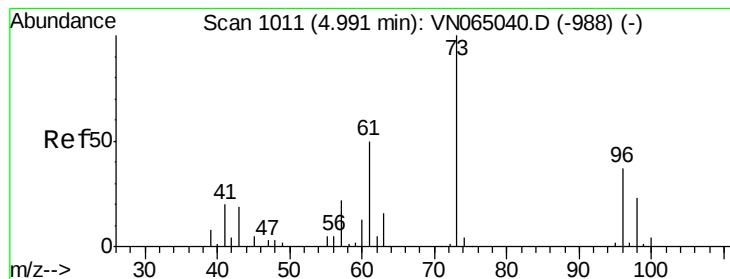
MMDadoda
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#20
Methylene Chloride
Concen: 82.914 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion: 84 Resp: 211626
Ion Ratio Lower Upper
84 100
49 116.8 90.8 136.2
51 36.4 28.1 42.1
86 64.2 51.3 76.9





#21

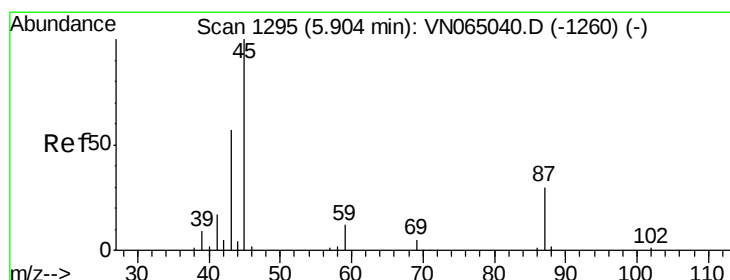
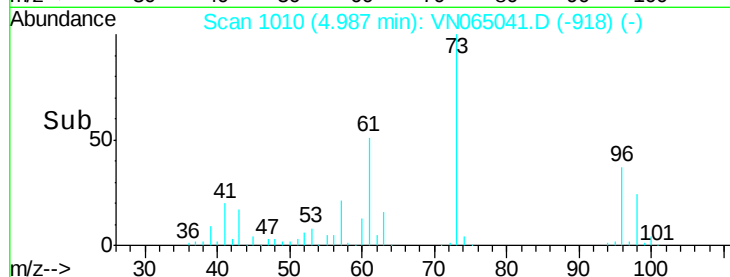
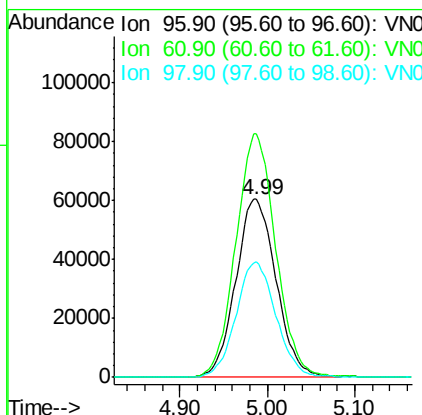
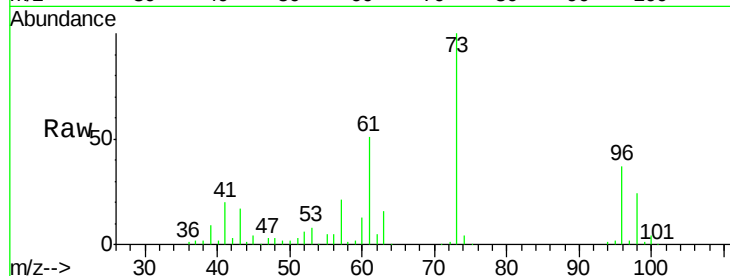
trans-1,2-Dichloroethene
Concen: 85.285 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	107.1	160.7
98	64.8	49.8	74.8

Manual Integrations
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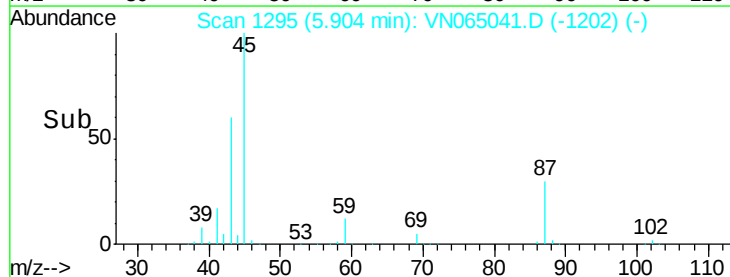
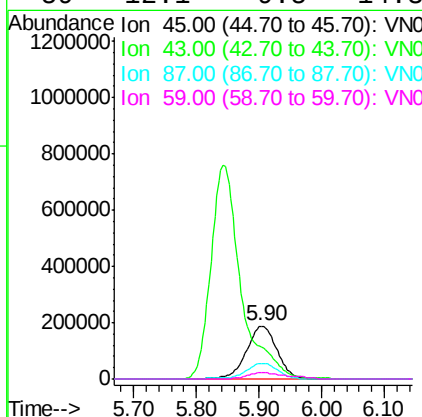
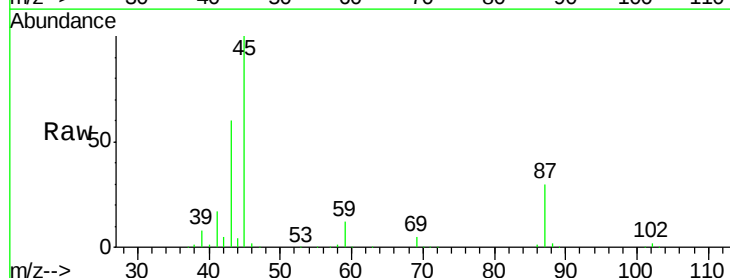
MMDadoda
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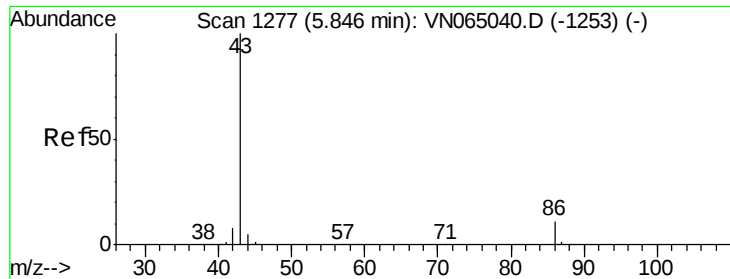


#22

Diisopropyl ether
Concen: 93.840 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.9	71.9
87	29.8	24.3	36.5
59	12.1	9.5	14.3





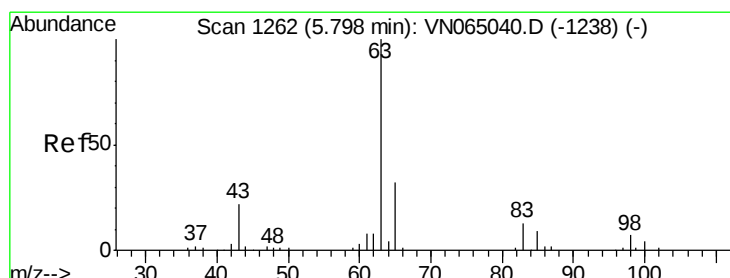
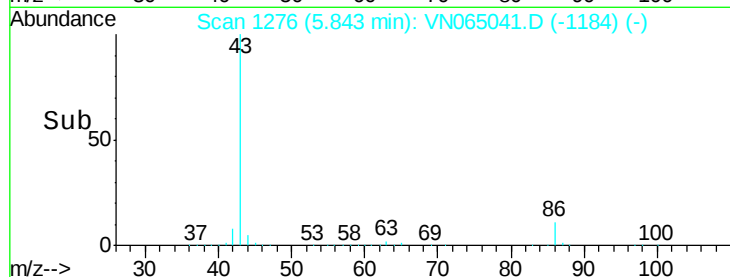
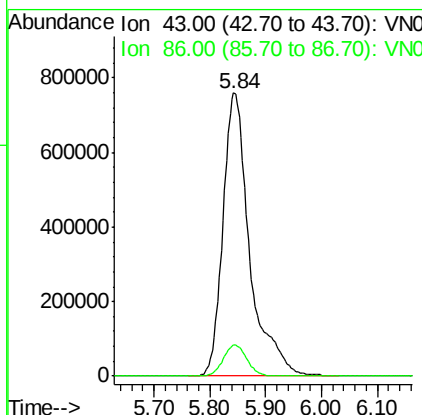
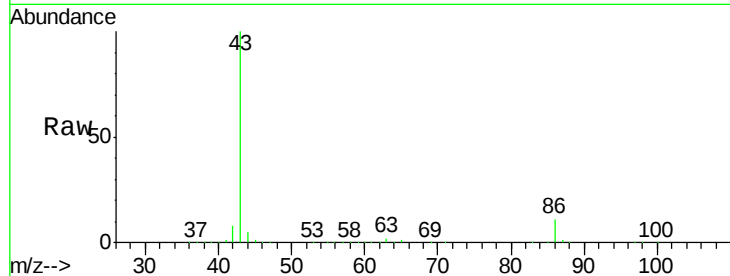
#23
 Vinyl Acetate
 Concen: 469.865 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2541037
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 12.8

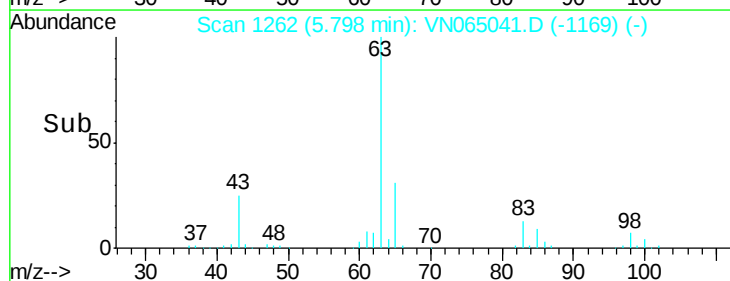
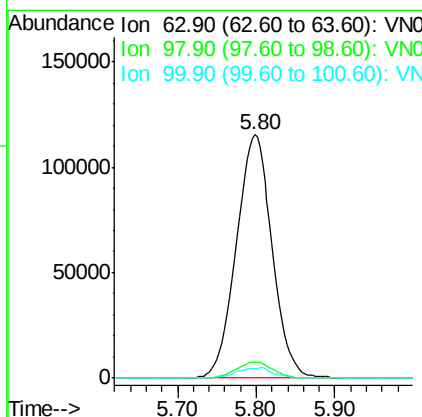
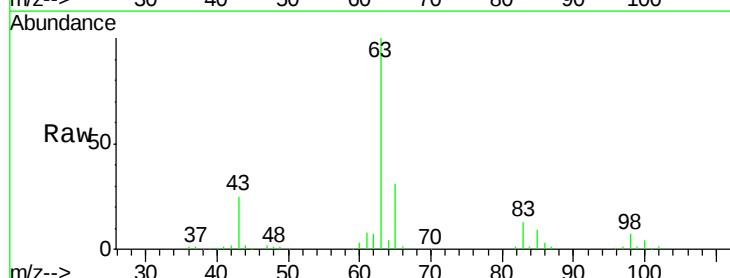
Manual Integrations
 APPROVED

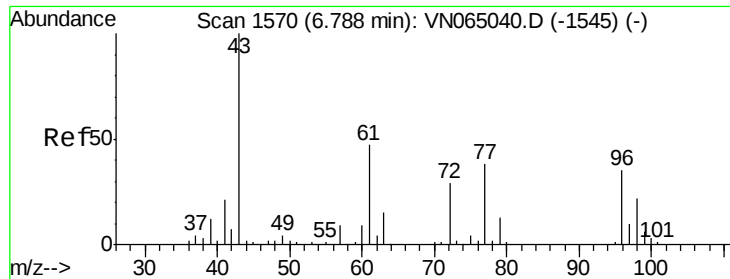
MMDadoda
 12/11/2020 12:32:21 PM



#24
 1,1-Dichloroethane
 Concen: 90.543 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion: 63 Resp: 368338
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.0 2.1 6.2





#25

2-Butanone

Concen: 461.359 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 603625

Ion Ratio Lower Upper

43 100

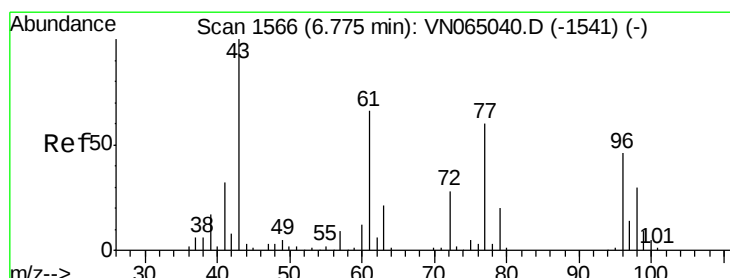
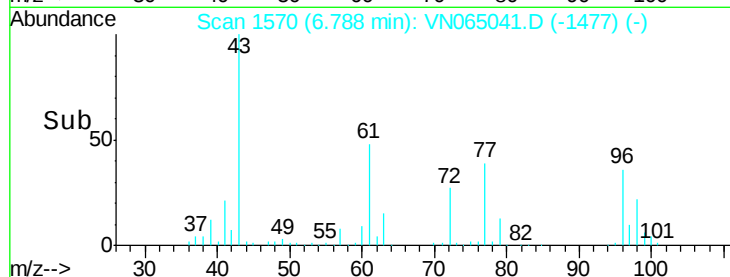
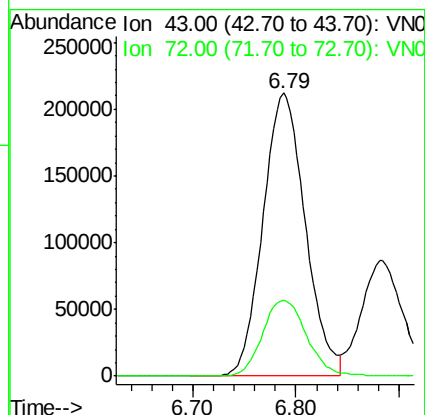
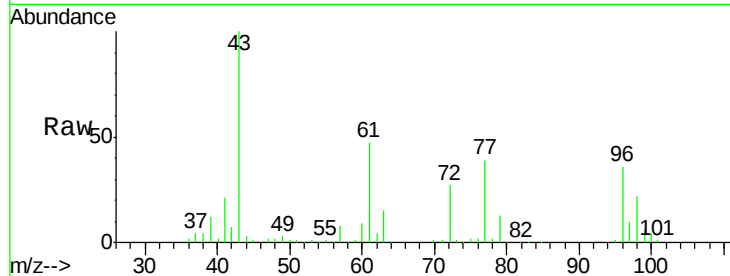
72 26.9 22.9 34.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 89.909 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN065041.D

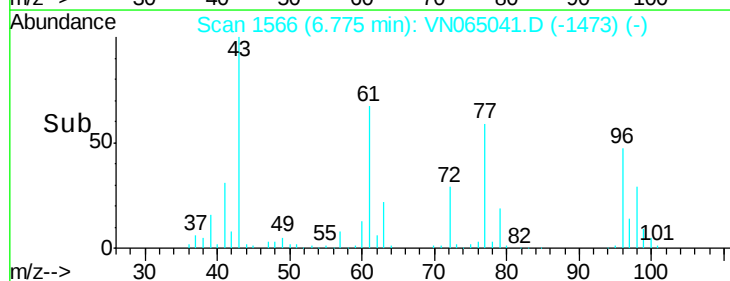
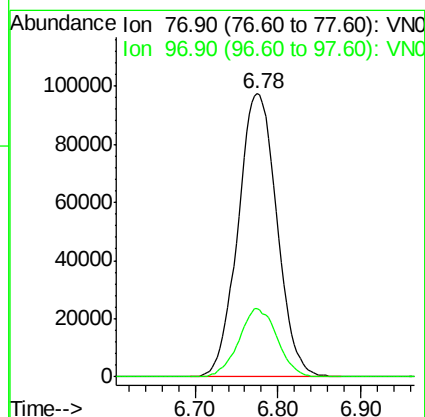
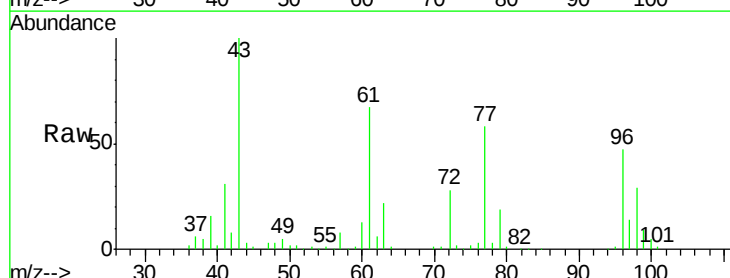
Acq: 10 Dec 2020 11:35

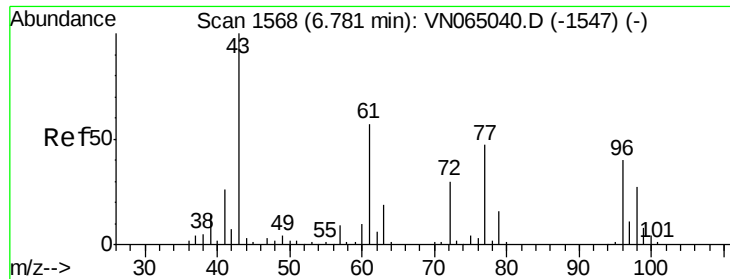
Tgt Ion: 77 Resp: 317084

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 91.762 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

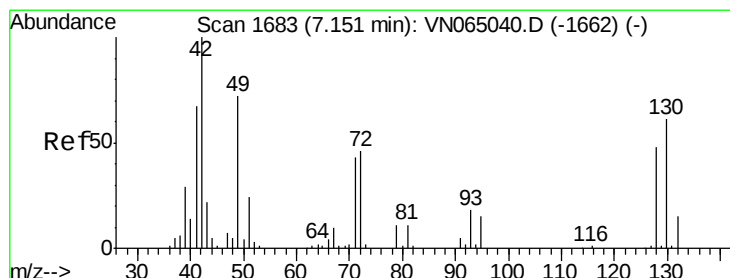
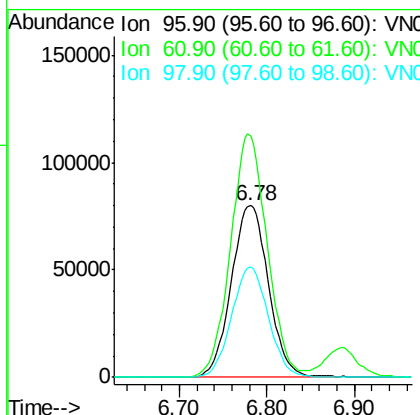
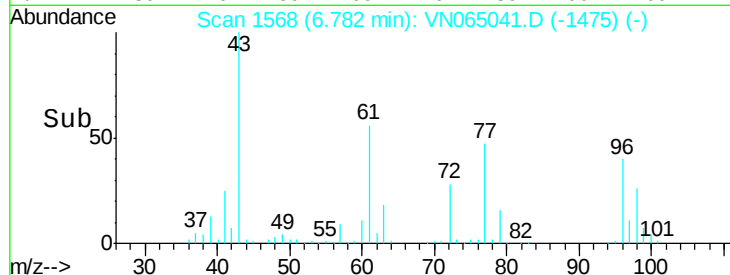
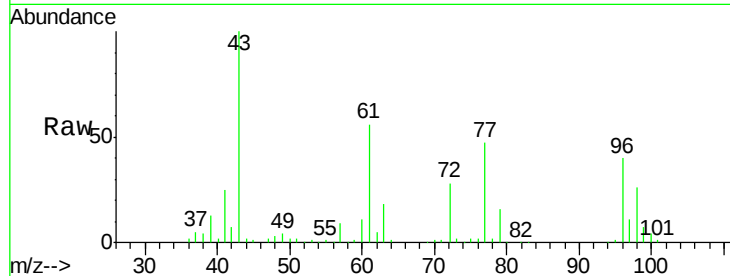
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	236090
Ion Ratio	Lower	Upper	
96	100		
61	139.4	0.0	283.6
98	63.5	0.0	130.8

Manual Integrations
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#28

Bromochloromethane

Concen: 92.868 ug/l

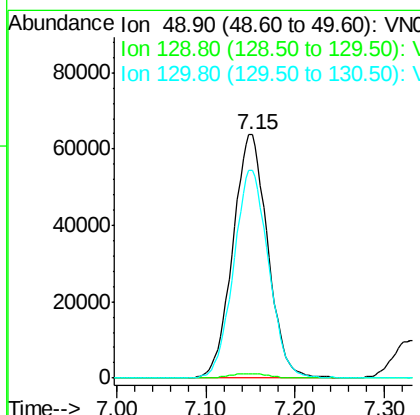
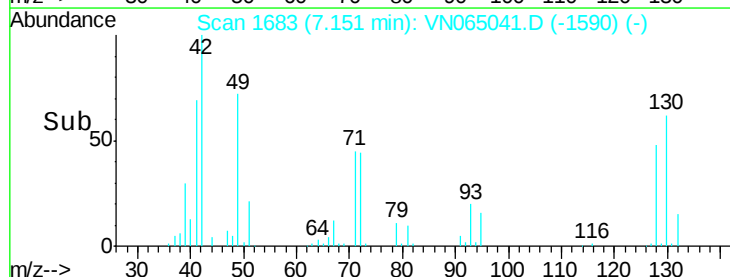
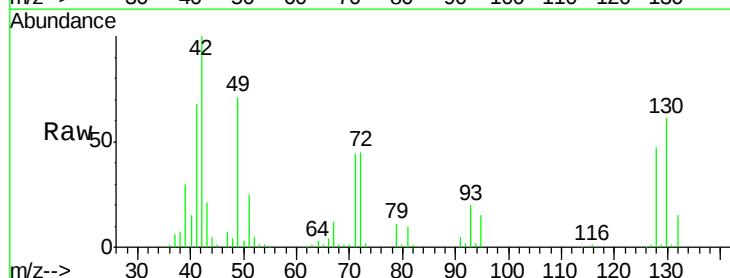
RT: 7.15 min Scan# 1683

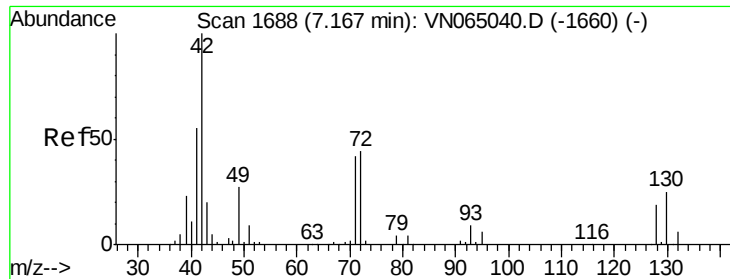
Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Tgt Ion:	49	Resp:	173021
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.2
130	85.6	67.9	101.9





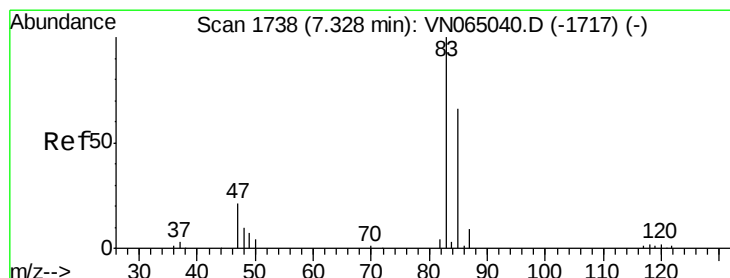
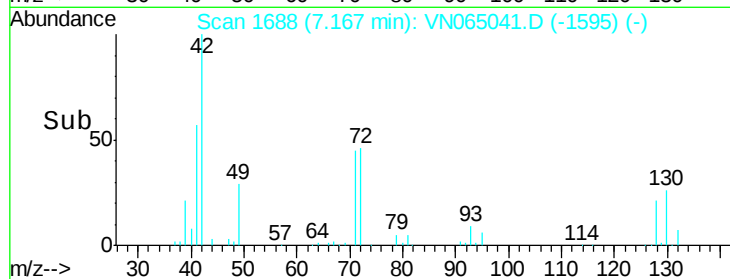
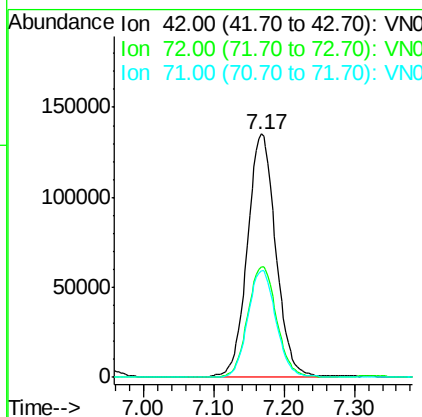
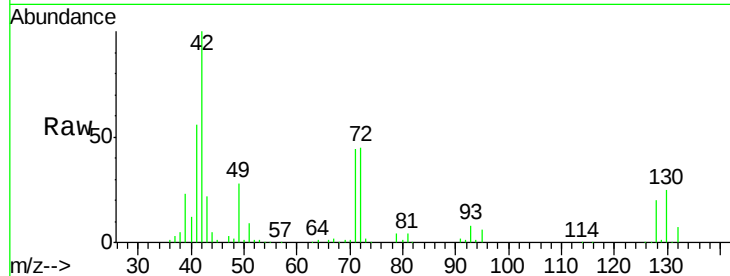
#29
Tetrahydrofuran
Concen: 425.568 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.8	53.6
71	43.4	33.5	50.3

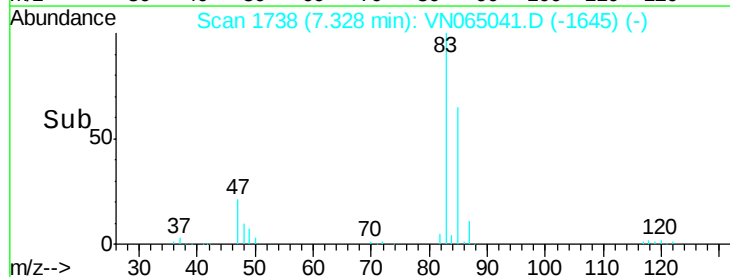
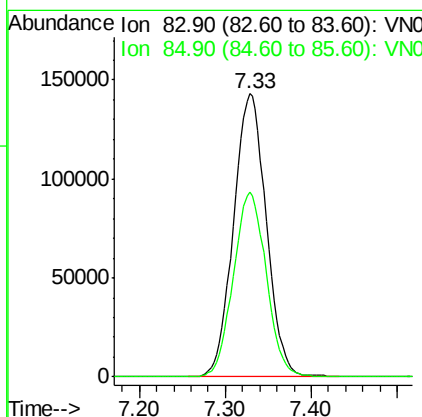
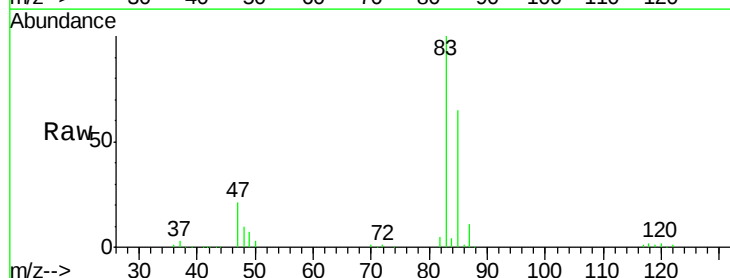
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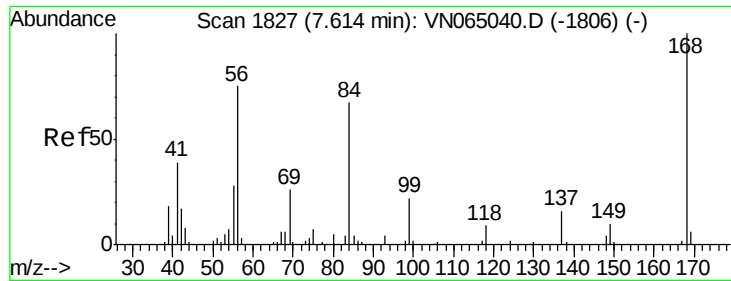
MMDadoda
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#30
Chloroform
Concen: 89.700 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





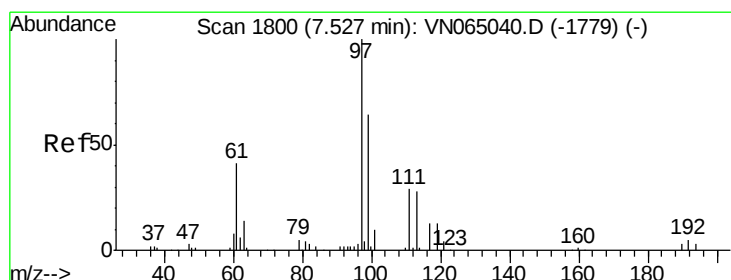
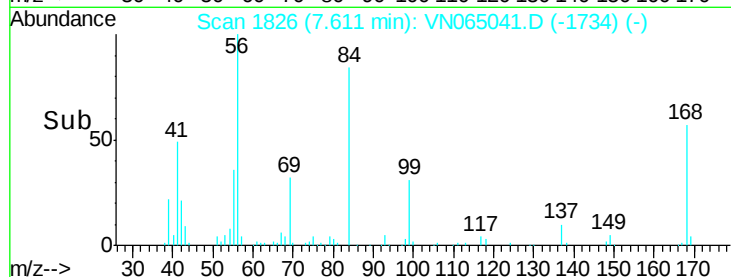
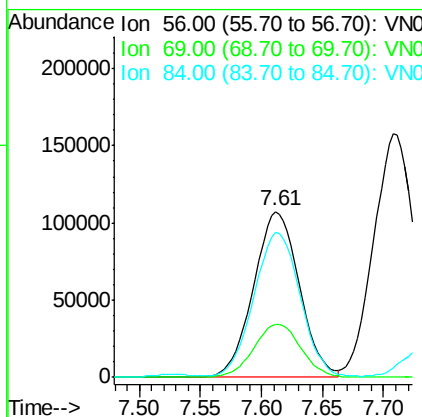
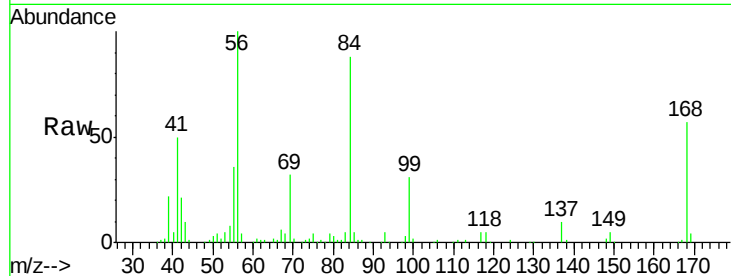
#31
Cyclohexane
Concen: 82.680 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.5	41.3
84	86.1	72.4	108.6

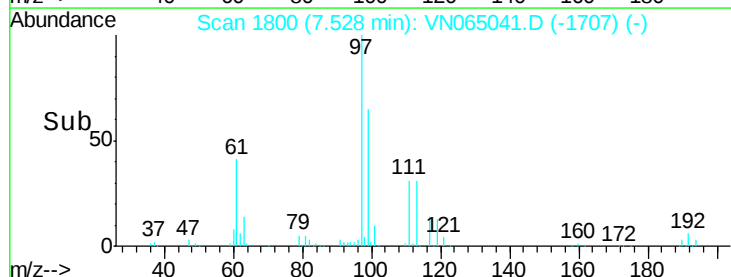
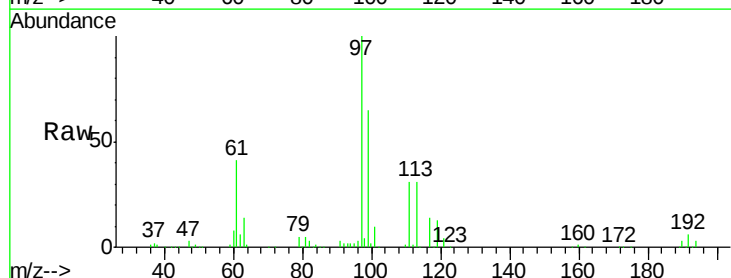
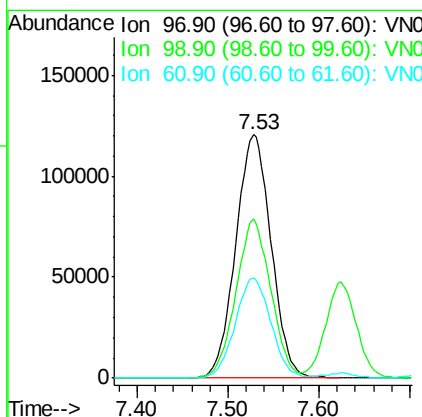
Manual Integrations
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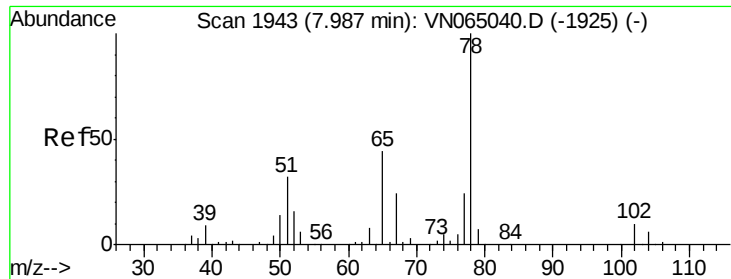
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#32
1,1,1-Trichloroethane
Concen: 90.502 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	41.2	33.5	50.3





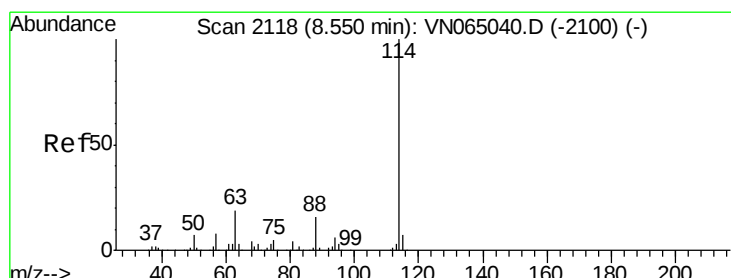
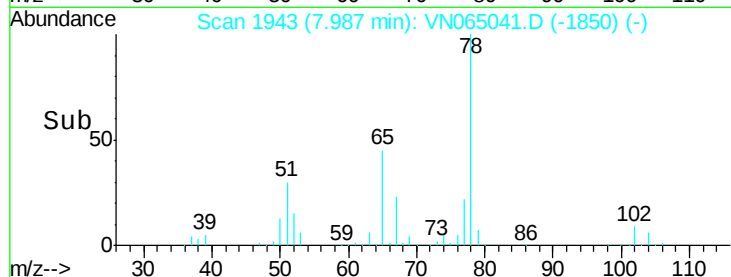
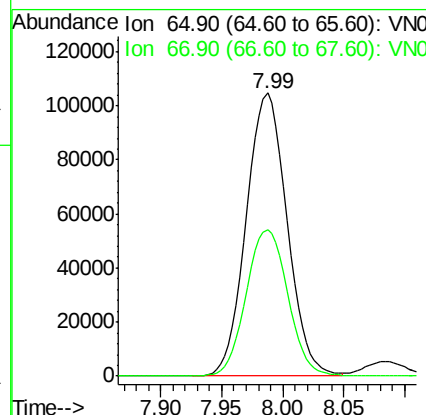
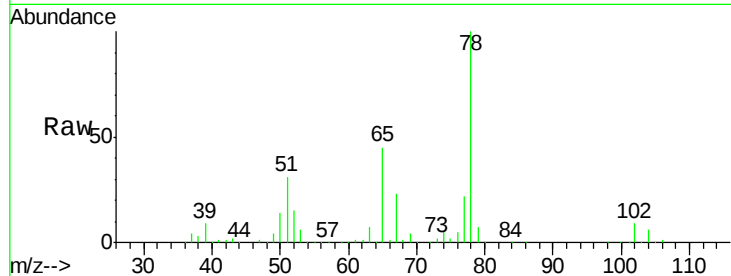
#33
 1,2-Dichloroethane-d4
 Concen: 97.293 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	242586		
67	53.2	0.0	108.4	

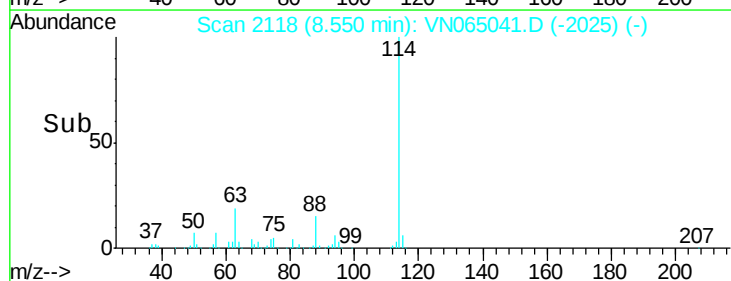
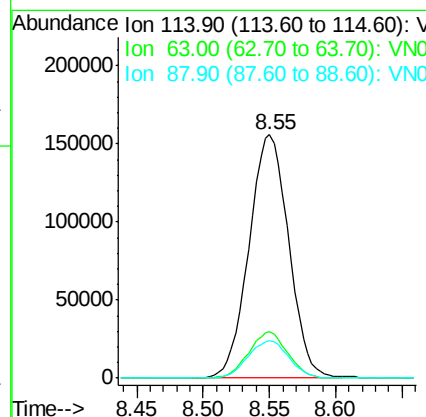
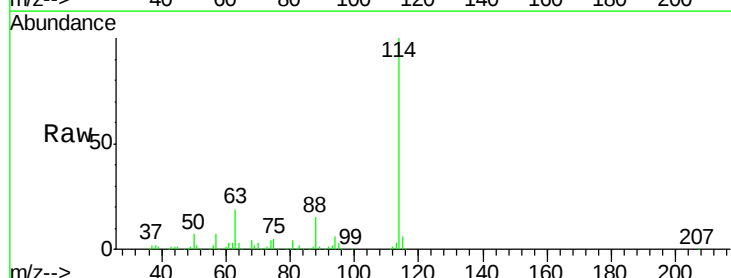
Manual Integrations
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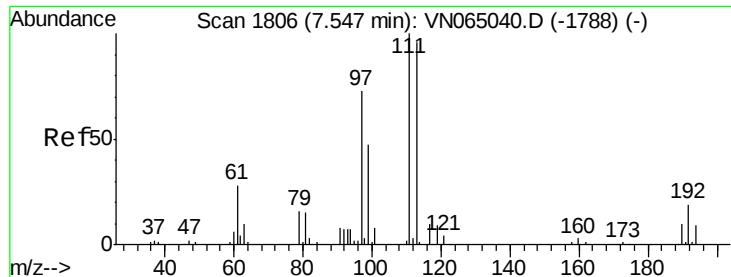
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	324205		
63	19.0	0.0	38.2	
88	15.5	0.0	31.6	





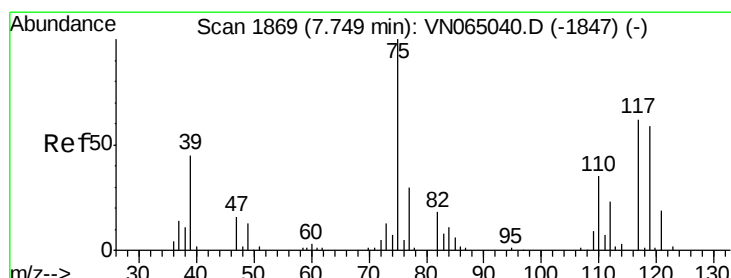
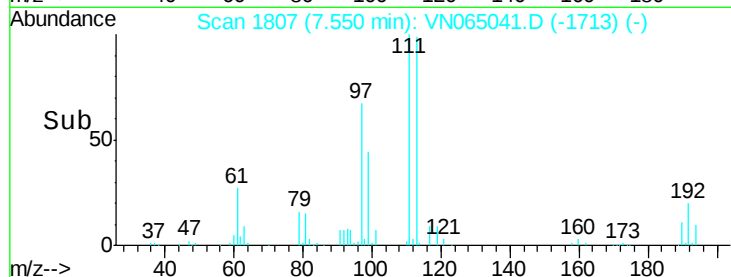
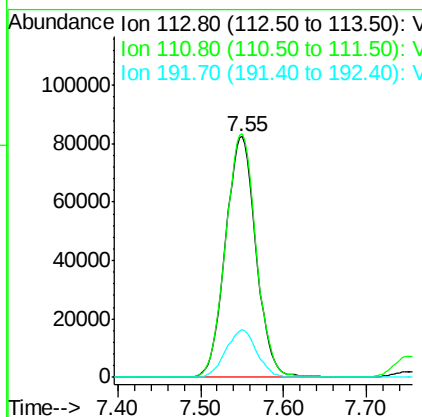
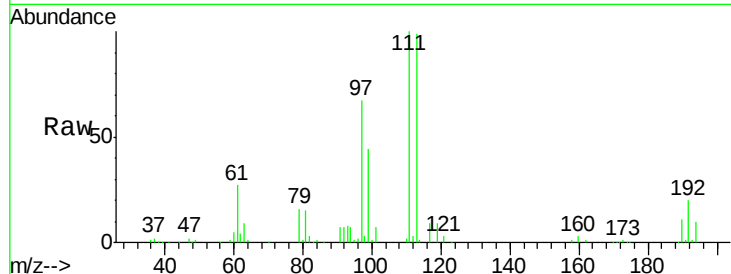
#35
 Dibromofluoromethane
 Concen: 107.274 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211283		
111	101.4	83.4	125.0	
192	19.9	16.2	24.2	

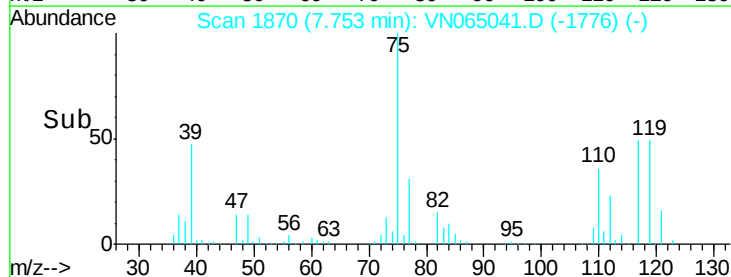
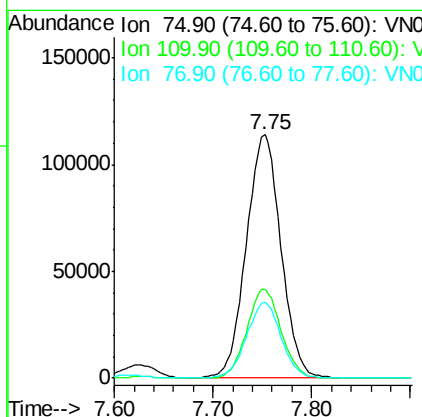
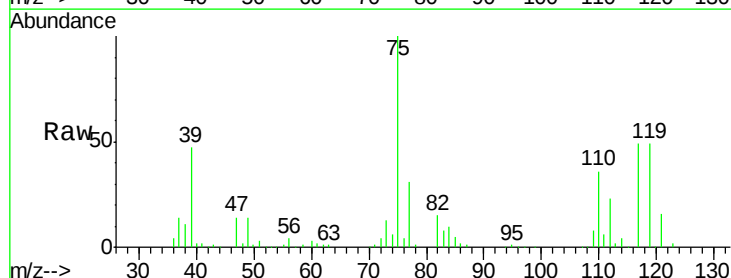
Manual Integrations
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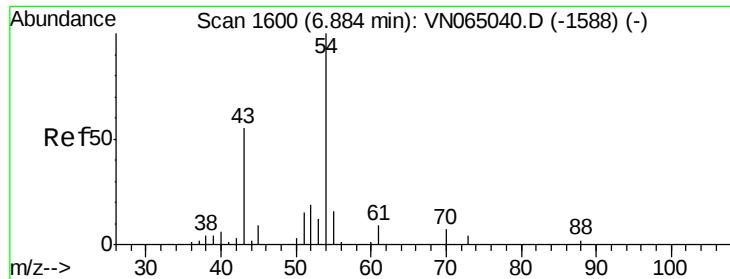
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 12/11/2020 12:32:21 PM



#36
 1,1-Dichloropropene
 Concen: 92.258 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	274716		
110	36.3	18.1	54.1	
77	31.3	24.5	36.7	





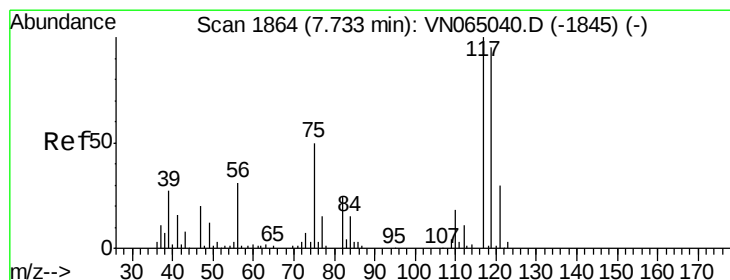
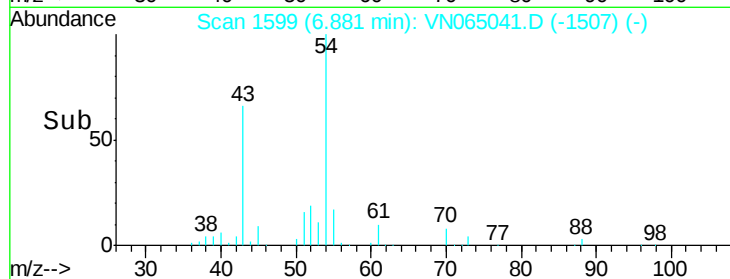
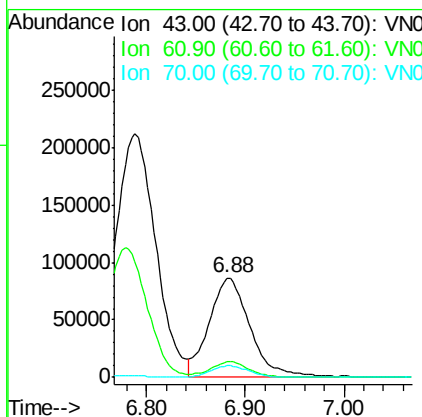
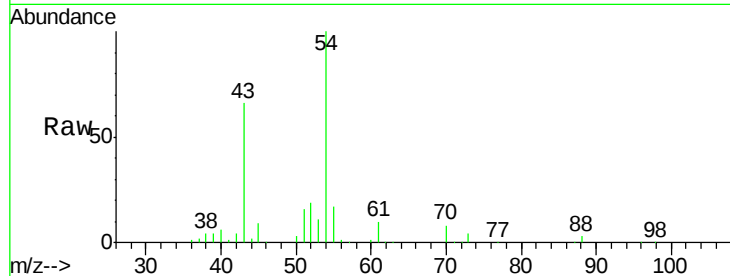
#37
Ethyl Acetate
Concen: 86.838 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.9	17.9
70	11.1	9.2	13.8

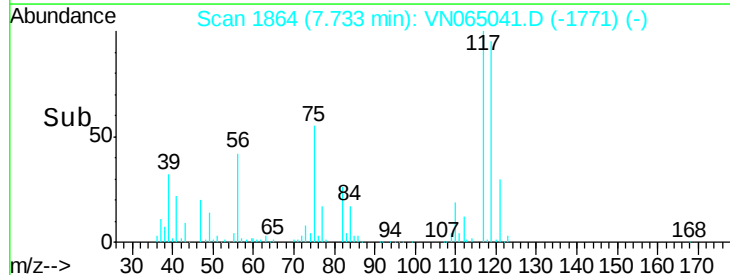
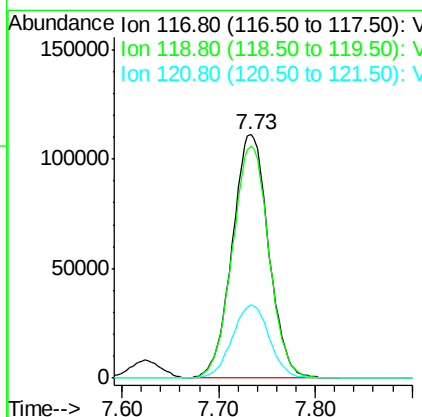
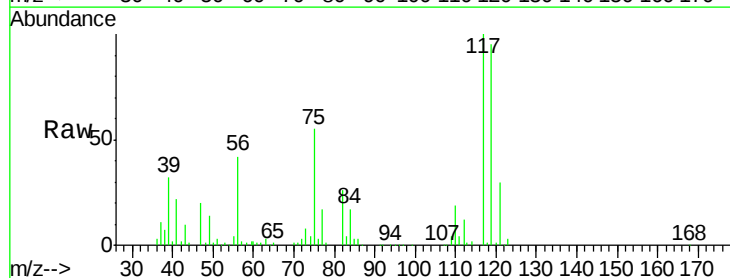
Manual Integrations
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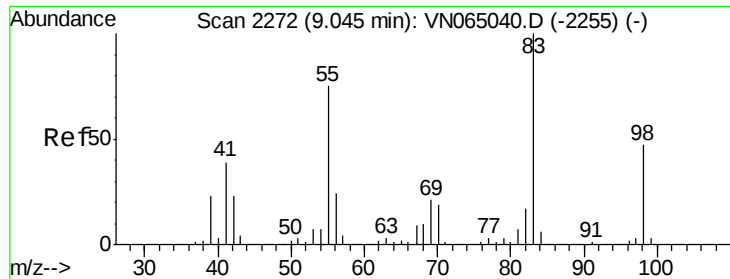
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#38
Carbon Tetrachloride
Concen: 93.037 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.9	113.9
121	30.2	24.1	36.1





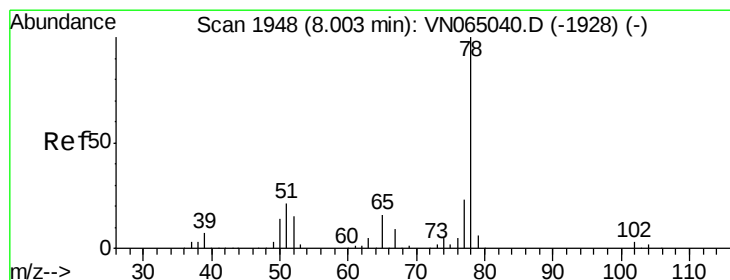
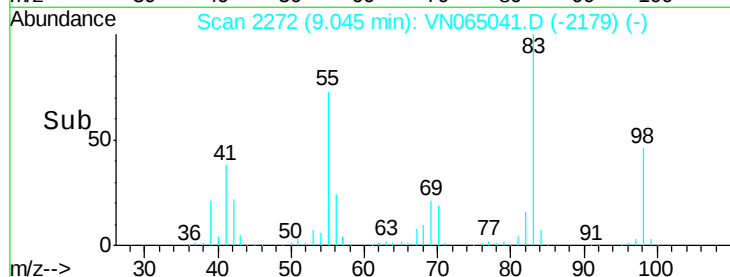
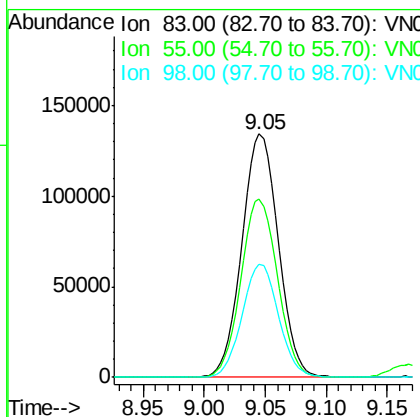
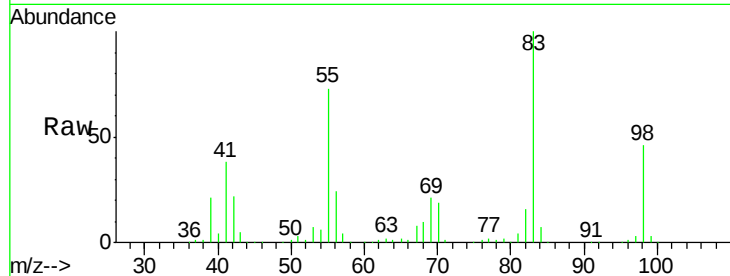
#39
Methvlcvclohexane
Concen: 87.839 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	277214		
55	73.4		60.3	90.5
98	46.2		37.4	56.0

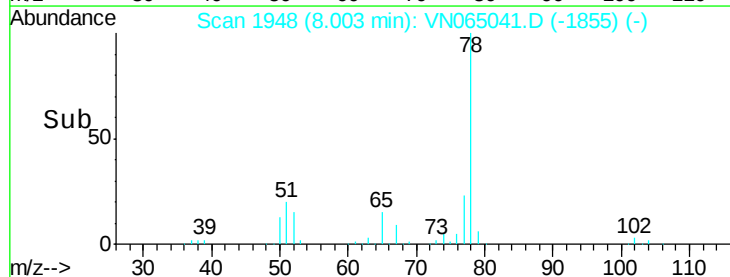
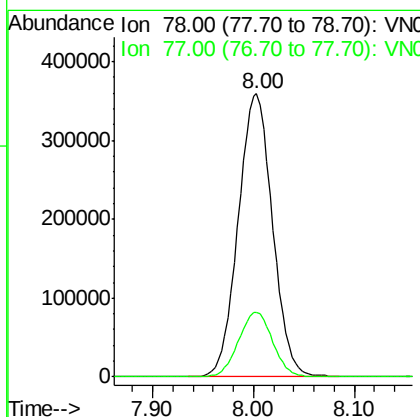
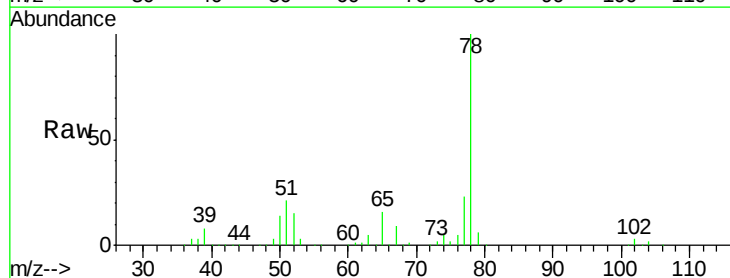
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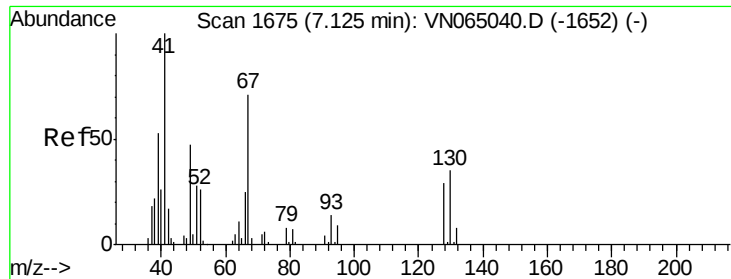
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#40
Benzene
Concen: 92.495 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	843987		
77	23.0		18.7	28.1





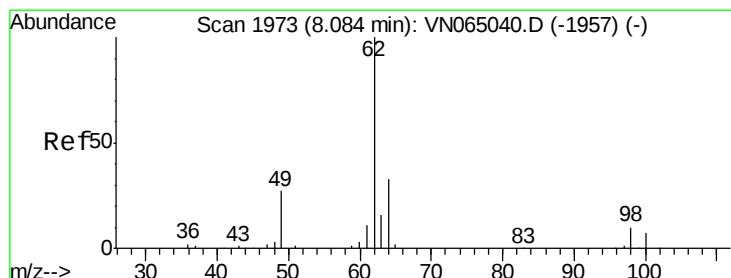
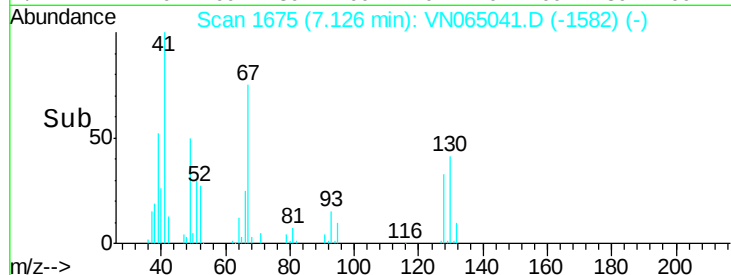
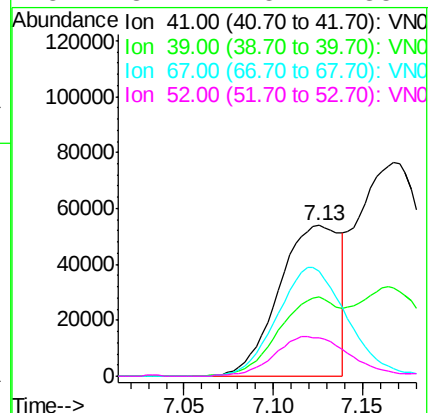
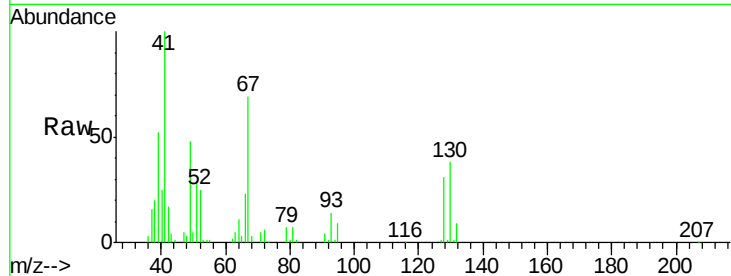
#41
Methacrylonitrile
Concen: 94.361 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		128466		
39	51.4	36.0	54.0		
67	83.1	64.8	97.2		
52	32.7	25.4	38.2		

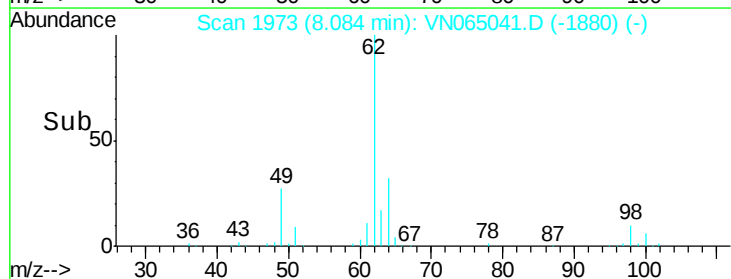
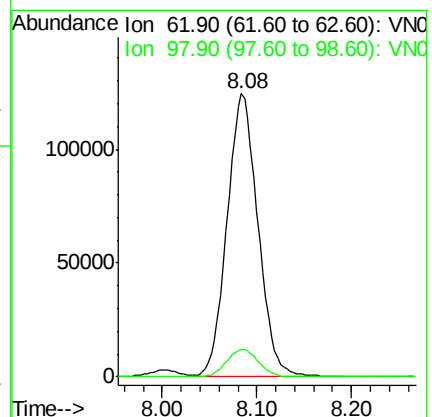
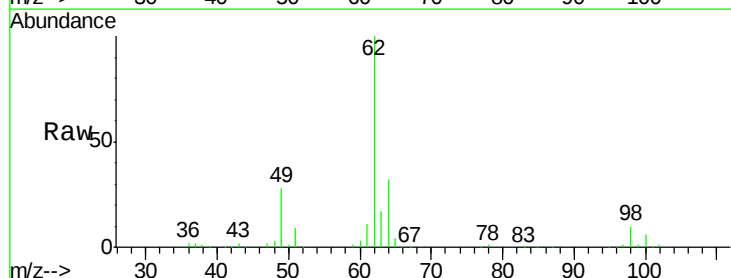
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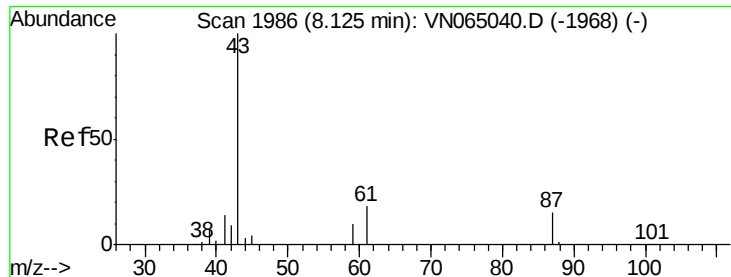
MMDadoda
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#42
1,2-Dichloroethane
Concen: 91.466 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		282054		
98	10.0	0.0	19.8		





#43

Isopropyl Acetate

Concen: 90.690 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 414772

Ion Ratio Lower Upper

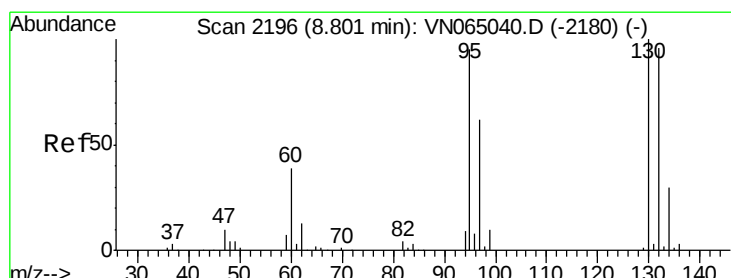
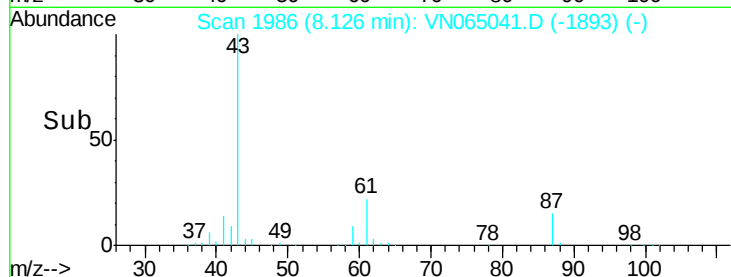
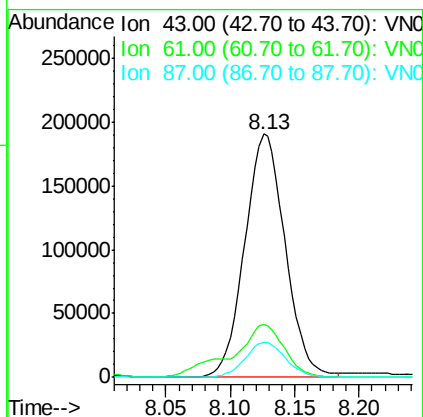
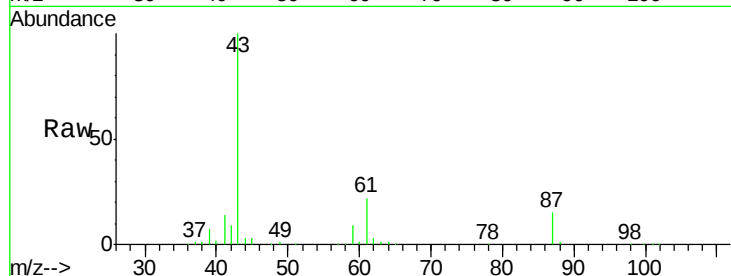
43 100

61 28.2 16.9 25.3#

87 14.4 11.4 17.2

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#44

Trichloroethene

Concen: 87.779 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN065041.D

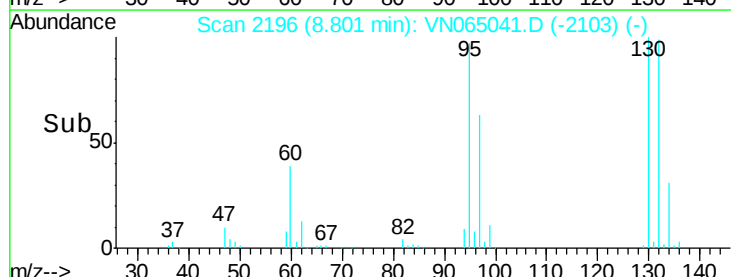
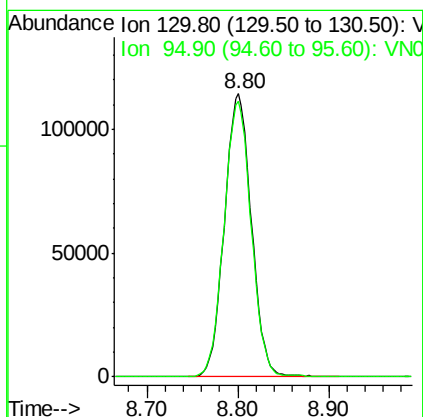
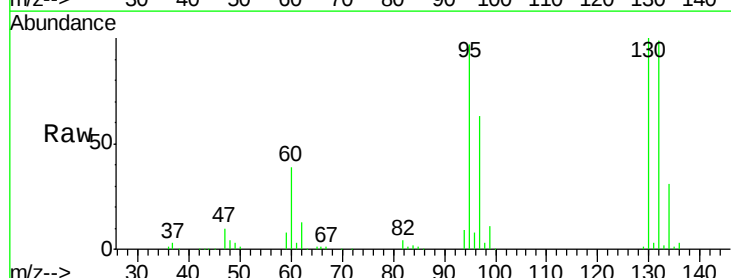
Acq: 10 Dec 2020 11:35

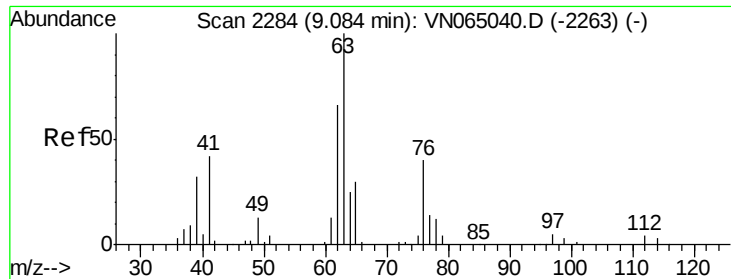
Tgt Ion: 130 Resp: 235341

Ion Ratio Lower Upper

130 100

95 97.5 0.0 190.2





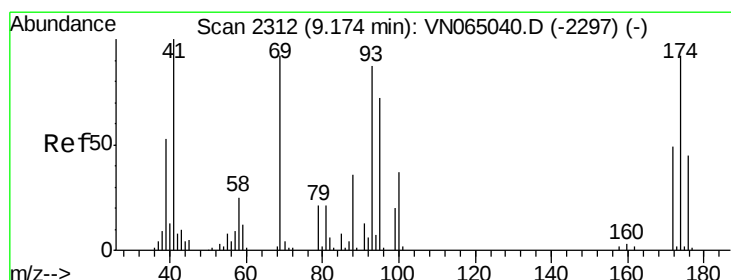
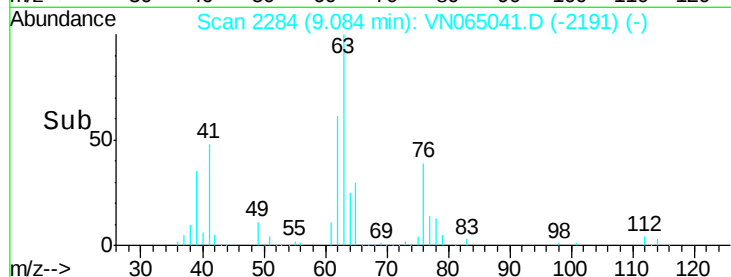
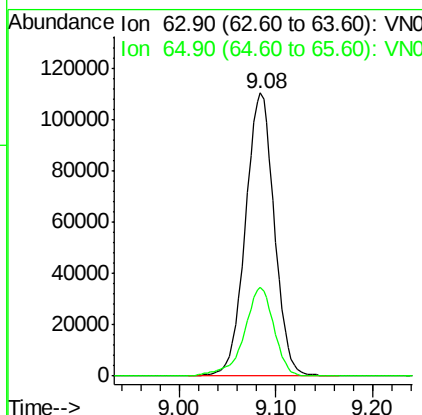
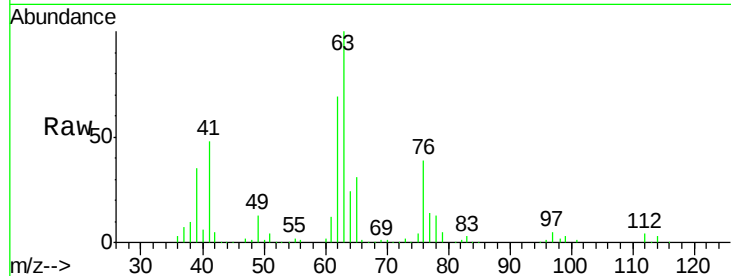
#45
 1,2-Dichloropropane
 Concen: 96.056 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 228939
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.0 36.0

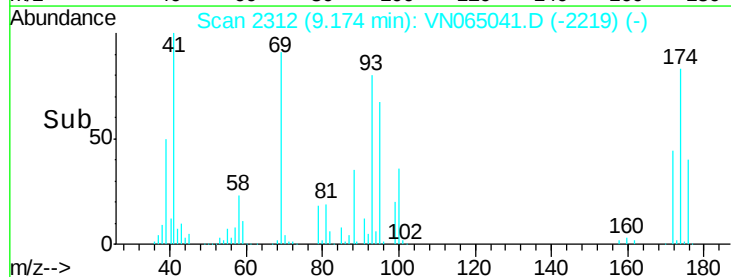
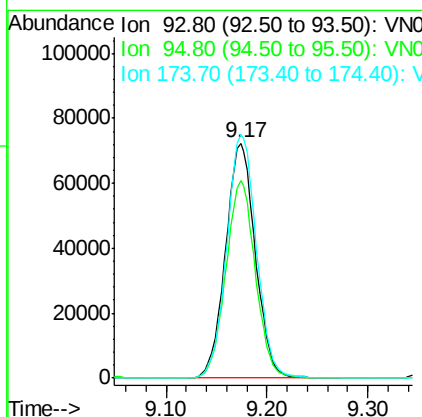
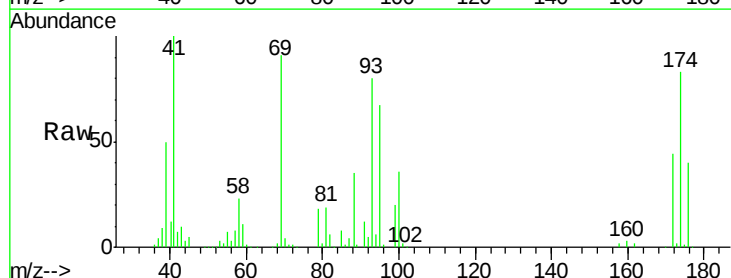
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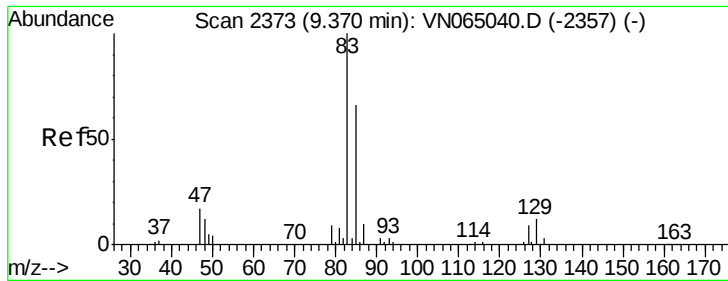
MMDadoda
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#46
 Dibromomethane
 Concen: 93.882 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion: 93 Resp: 148940
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 103.3 83.0 124.4





#47

Bromodichloromethane

Concen: 96.212 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

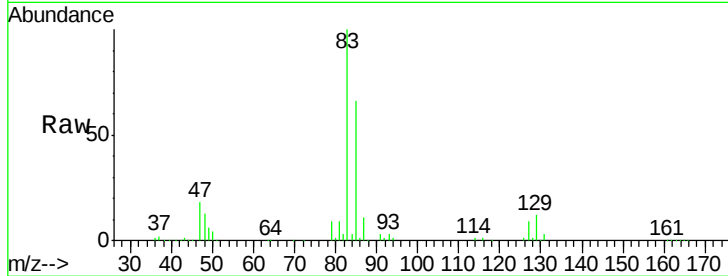
ClientSampleId :

VSTDIC100

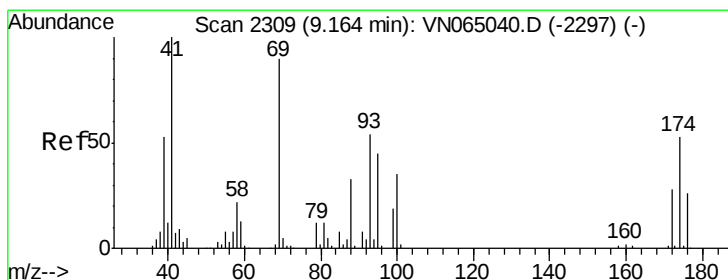
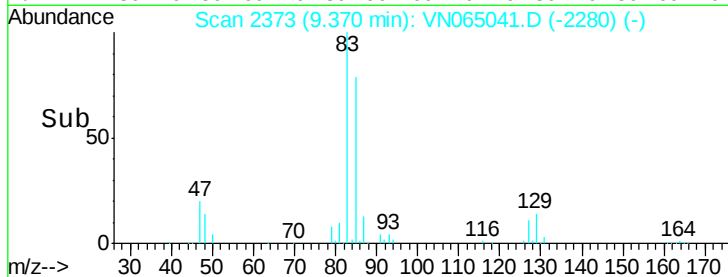
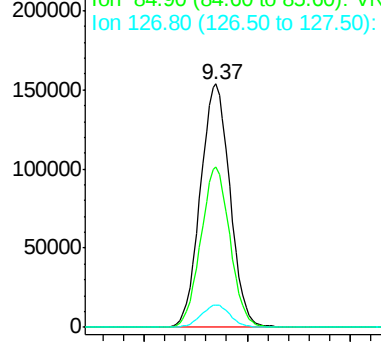
Tot Ion:	83	Resp:	307129
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.5	78.7
127	9.2	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN065041.D (-2280) (-)



#48

Methyl methacrylate

Concen: 93.770 ug/l

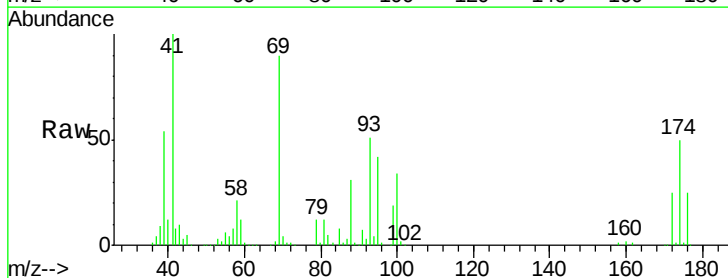
RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

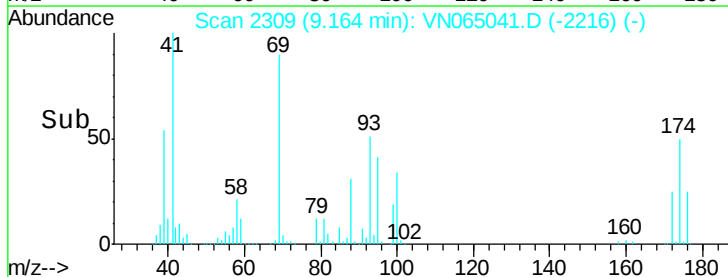
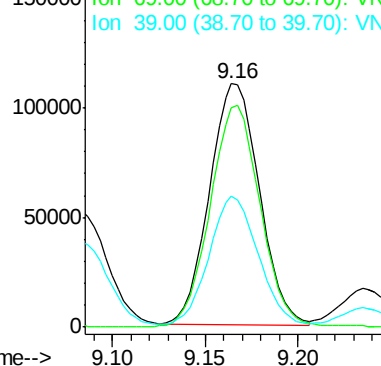
Lab File: VN065041.D

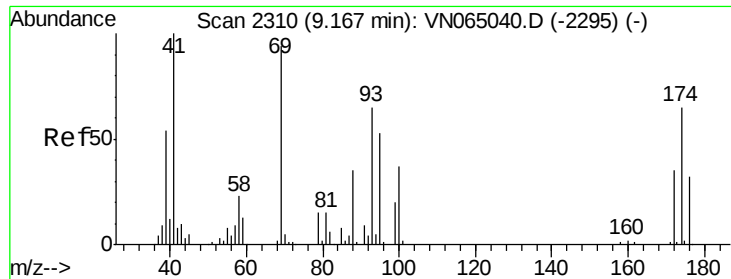
Acq: 10 Dec 2020 11:35

Tgt Ion:	41	Resp:	204867
Ion Ratio	Lower	Upper	
41	100		
69	93.3	72.1	108.1
39	54.2	43.8	65.6



Abundance Ion 41.00 (40.70 to 41.70): VN065041.D (-2216) (-)





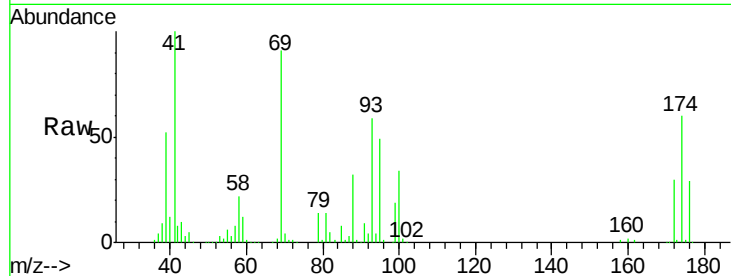
#49
1,4-Dioxane
Concen: 1758.514 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	72457
Ion	Ratio	Lower	Upper
88	100		
43	30.1	21.1	31.7
58	66.6	53.8	80.8

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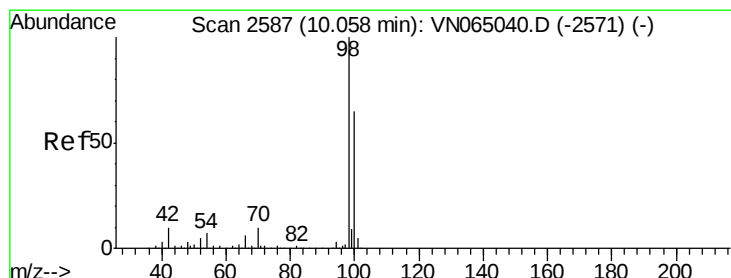
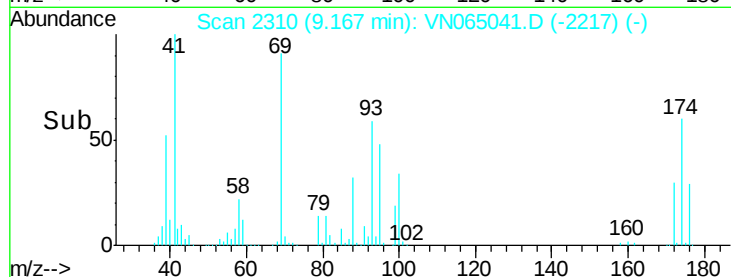
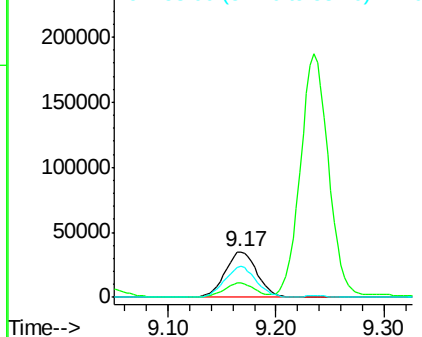


Abundance

Ion 88.00 (87.70 to 88.70): VN0

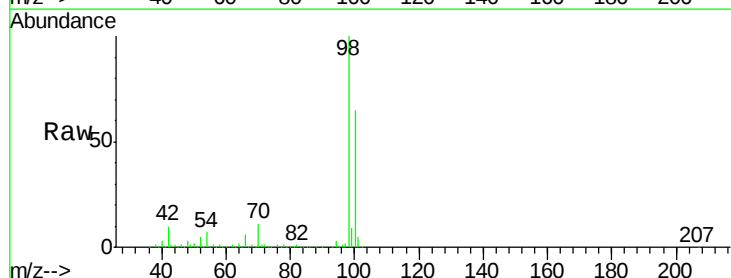
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 105.264 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

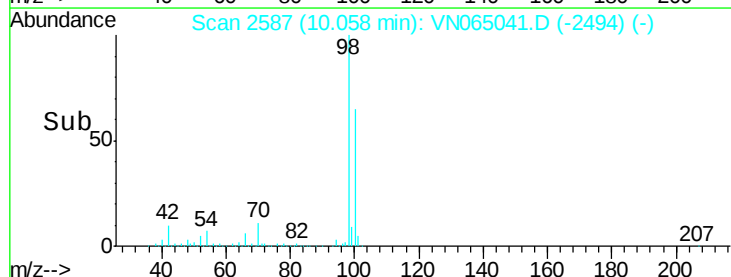
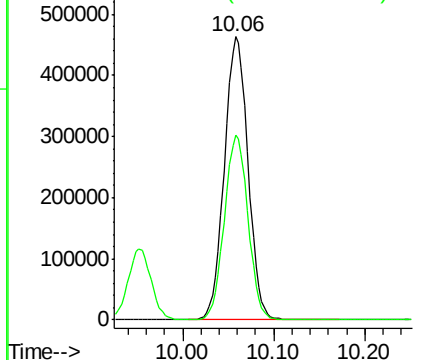
Tgt Ion	98	Resp	838427
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4

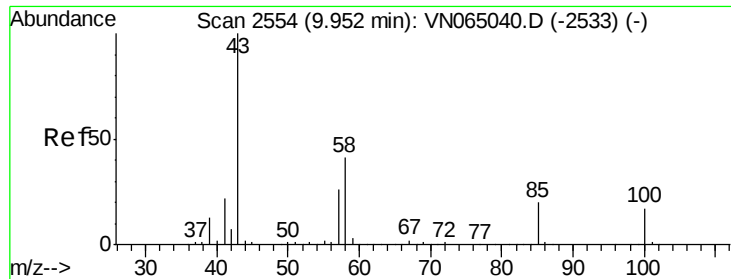


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 457.573 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1254989

Ion Ratio Lower Upper

43 100

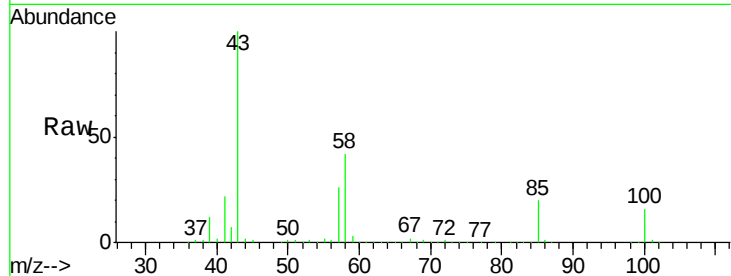
58 41.0 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

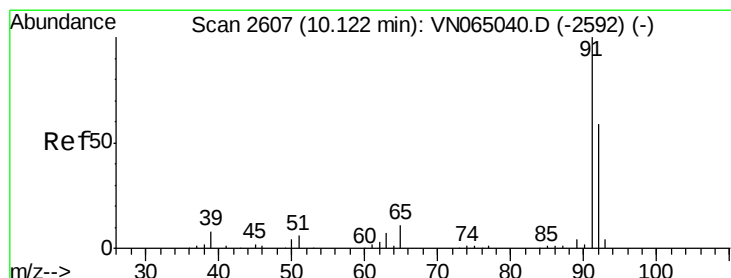
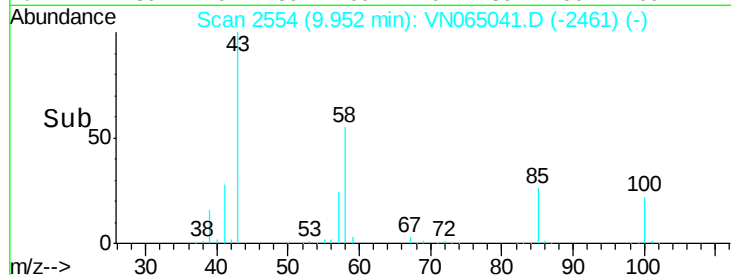
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 96.557 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065041.D

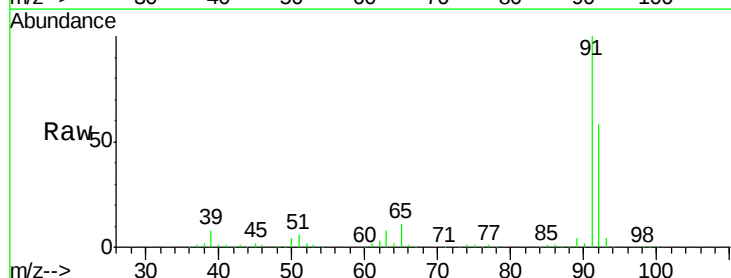
Acq: 10 Dec 2020 11:35

Tgt Ion: 92 Resp: 544074

Ion Ratio Lower Upper

92 100

91 172.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

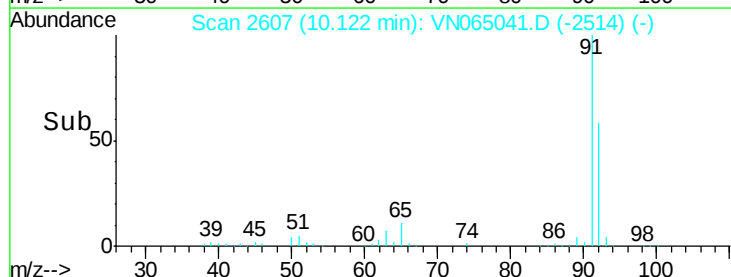
300000

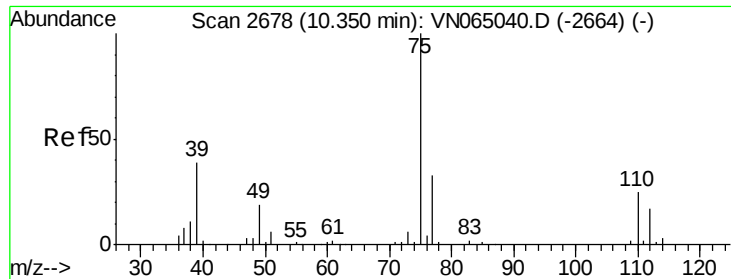
200000

100000

0

Time-->





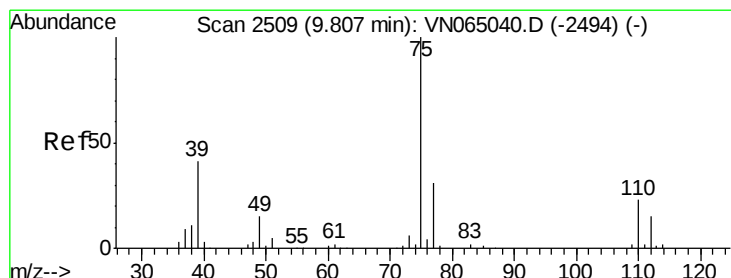
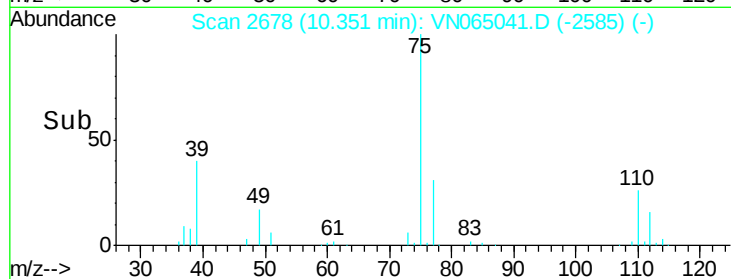
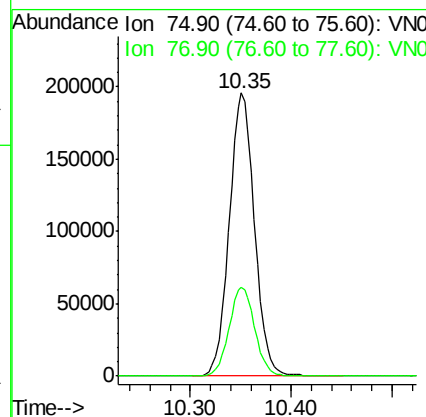
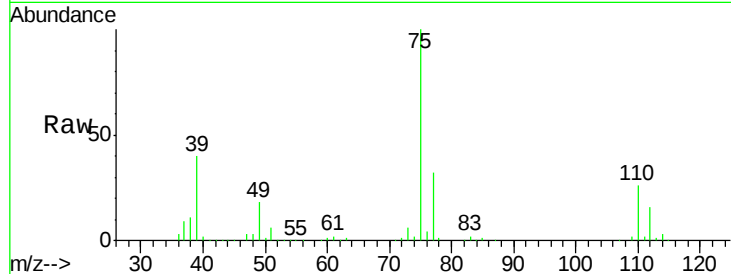
#53
t-1,3-Dichloropropene
Concen: 96.609 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 341820
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0

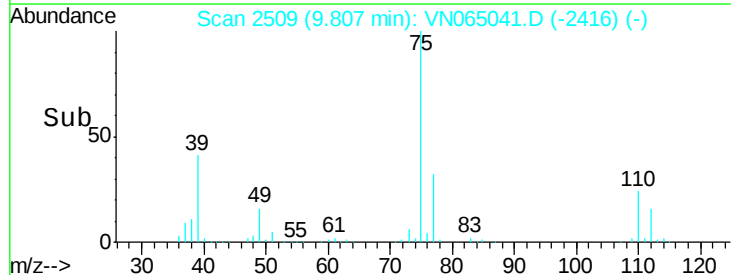
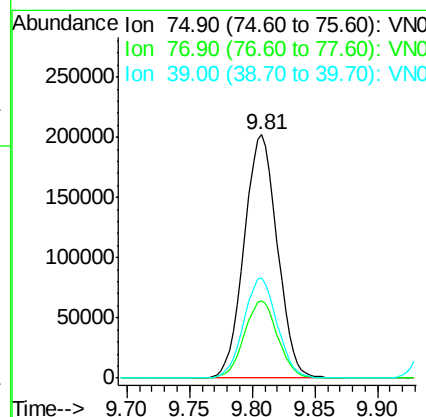
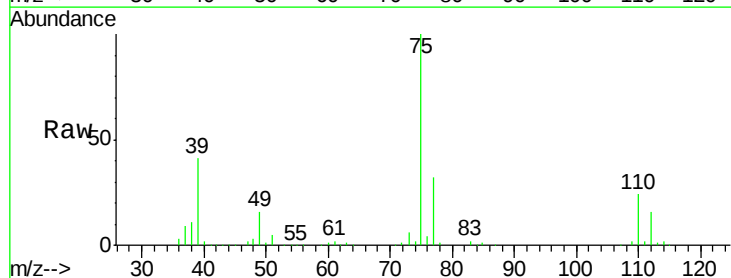
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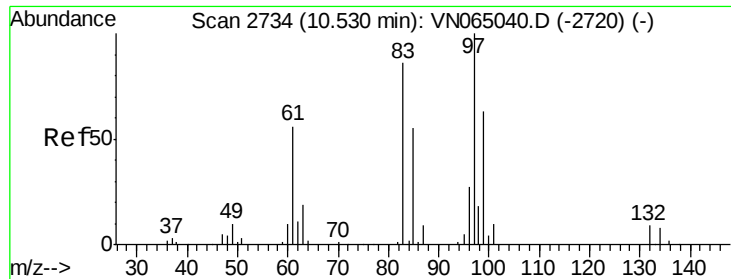
MMDadoda
12/11/2020 12:32:21 PM



#54
cis-1,3-Dichloropropene
Concen: 98.094 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion: 75 Resp: 372903
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2
39 41.0 33.0 49.4





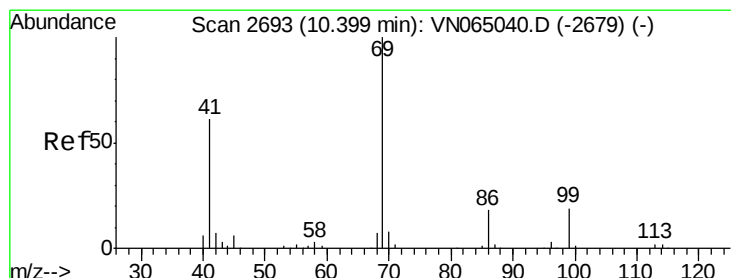
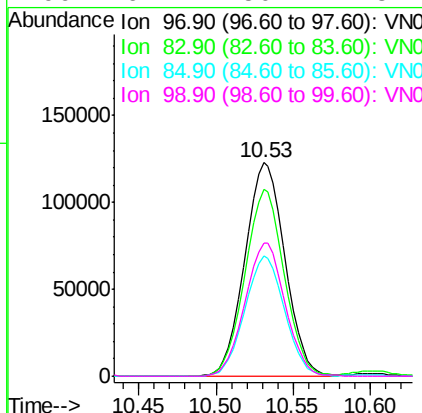
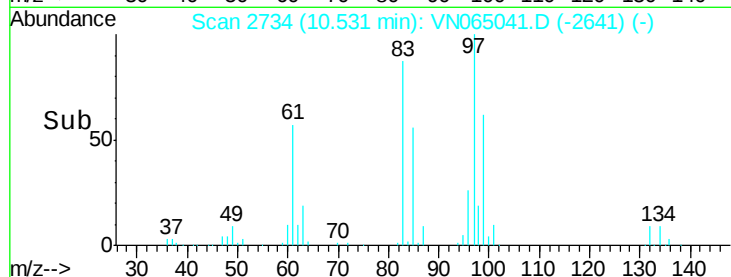
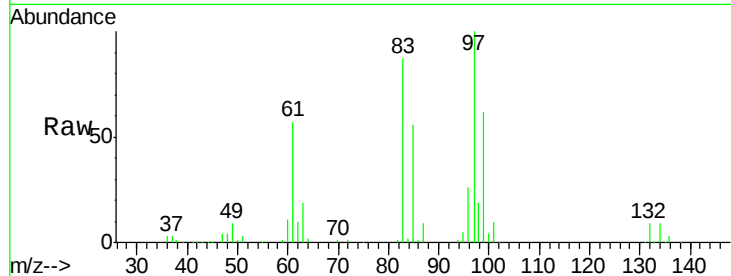
#55
 1,1,2-Trichloroethane
 Concen: 95.119 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		221891		
83	87.2	69.0	103.6		
85	56.2	43.6	65.4		
99	62.4	50.1	75.1		

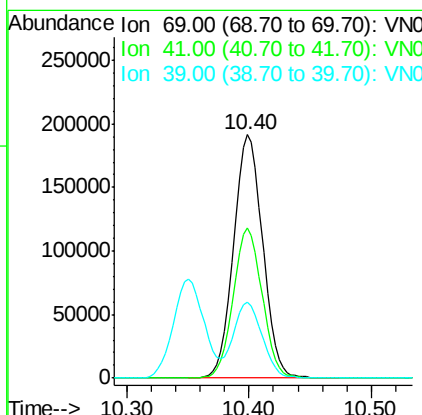
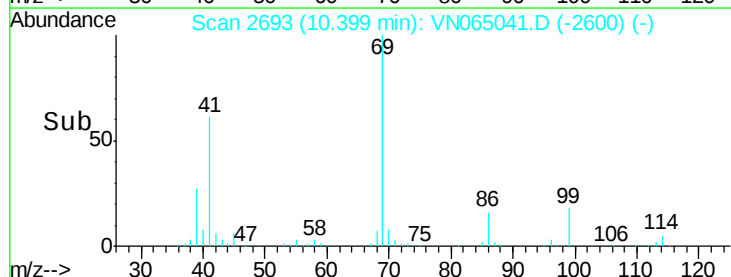
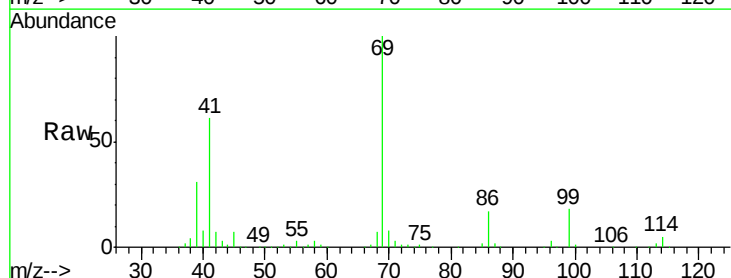
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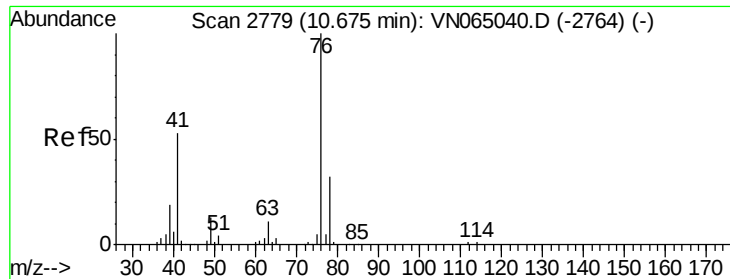
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#56
 Ethyl methacrylate
 Concen: 100.234 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		317015		
41	60.8	48.2	72.2		
39	30.7	24.7	37.1		





#57

1,3-Dichloropropane

Concen: 96.001 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 366923

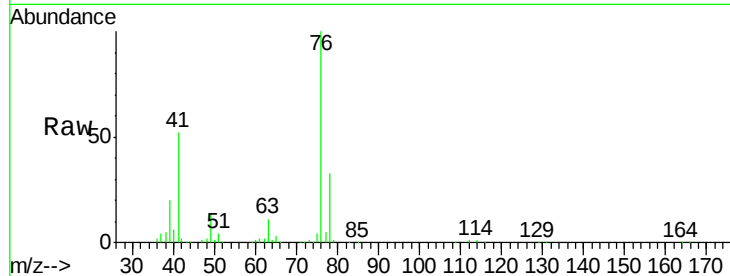
Ion Ratio Lower Upper

76 100

78 32.5 26.5 39.7

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Abundance Ion 75.90 (75.60 to 76.60): VN065041.D (-2764) (-)

Ion 77.90 (77.60 to 78.60): VN065041.D (-2764) (-)

10.68

200000

150000

100000

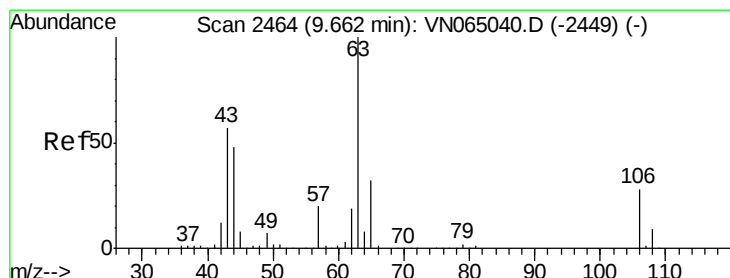
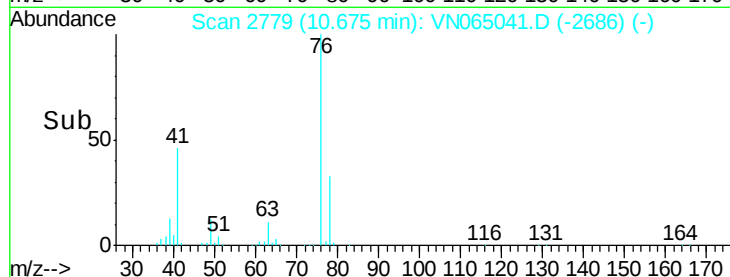
50000

0

10.60

10.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 416.646 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN065041.D

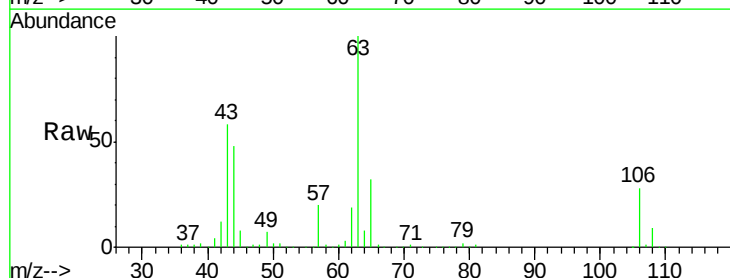
Acq: 10 Dec 2020 11:35

Tgt Ion: 63 Resp: 726415

Ion Ratio Lower Upper

63 100

106 27.6 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN065041.D (-2449) (-)

Ion 105.90 (105.60 to 106.60): VN065041.D (-2449) (-)

9.66

400000

300000

200000

100000

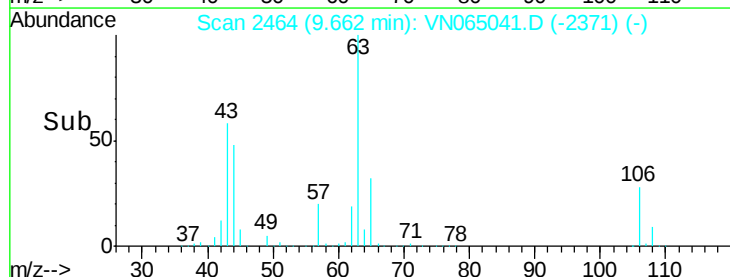
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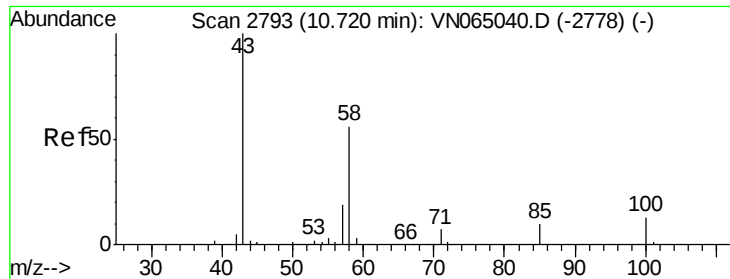
9.60

9.70

9.80

Time-->





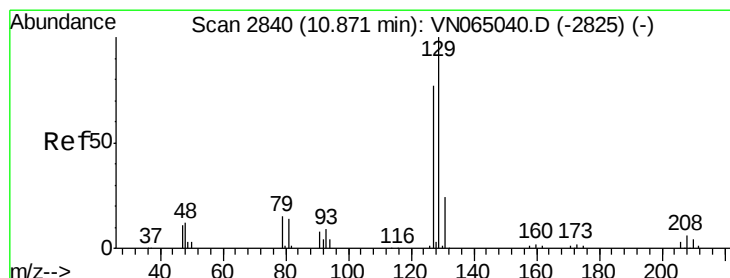
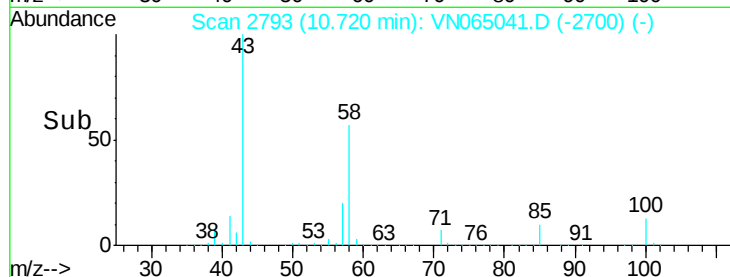
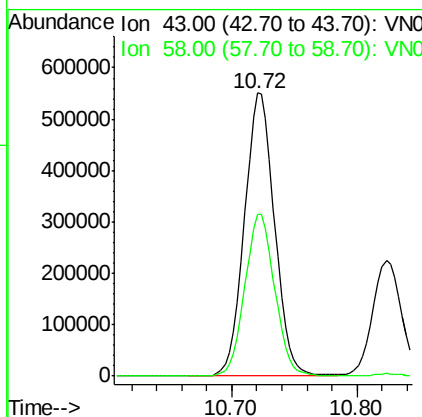
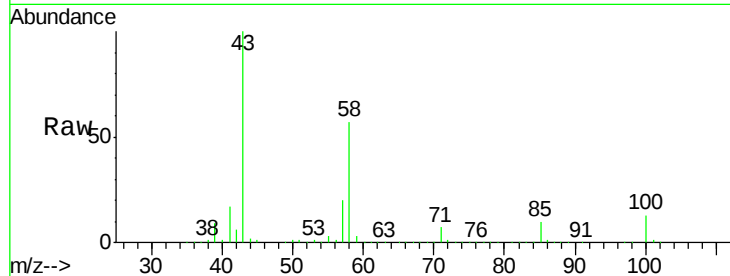
#59
2-Hexanone
Concen: 466.177 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 919376
Ion Ratio Lower Upper
43 100
58 57.0 28.3 84.9

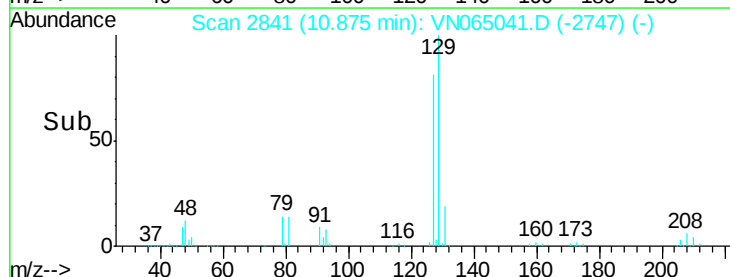
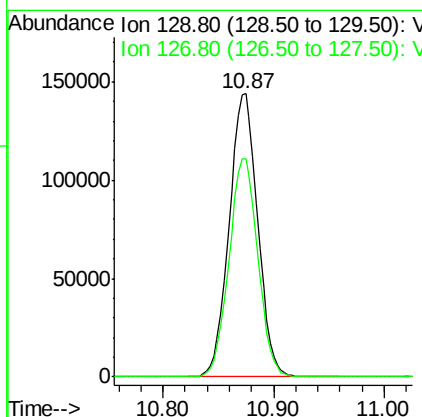
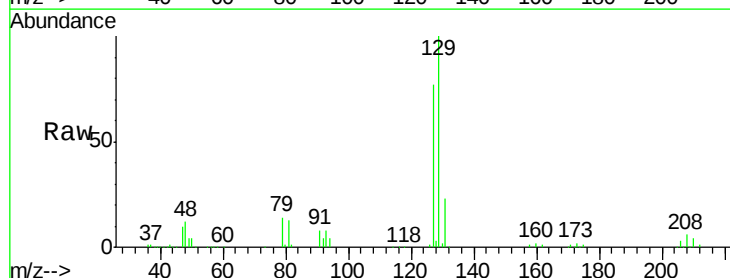
Manual Integrations
APPROVED

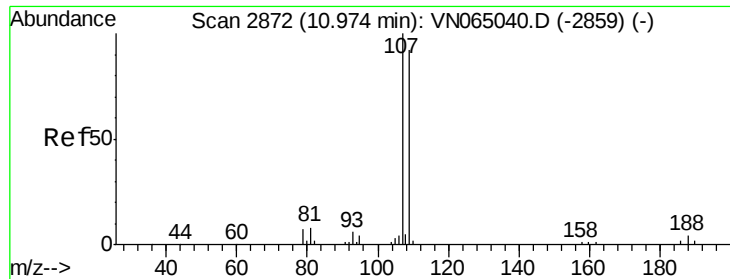
MMDadoda
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#60
Dibromochloromethane
Concen: 100.167 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion: 129 Resp: 258565
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





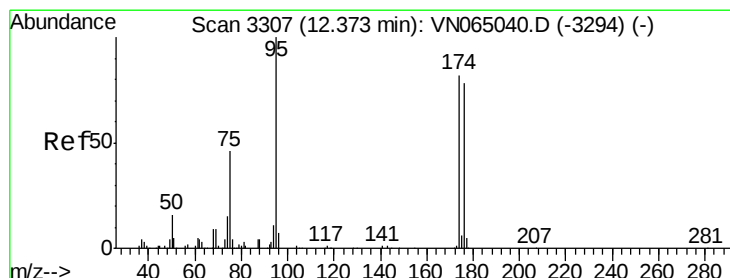
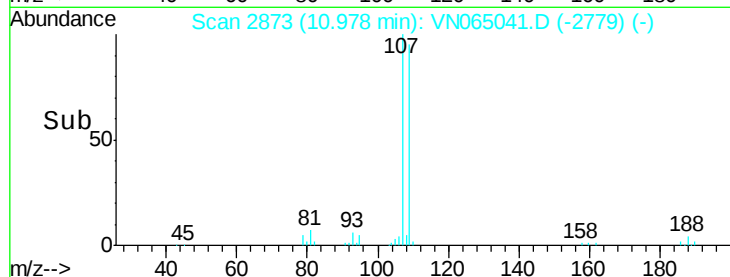
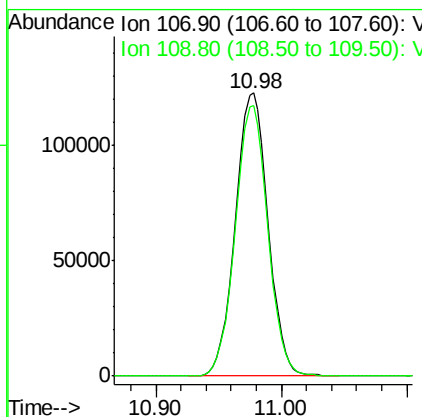
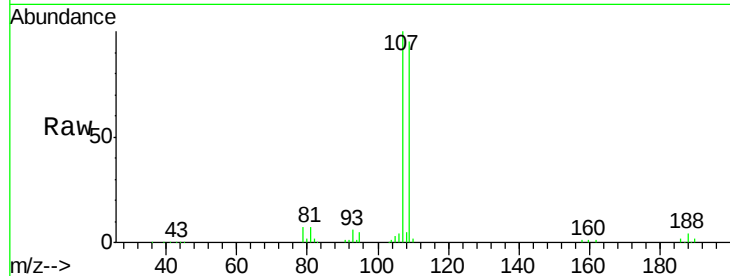
#61
 1,2-Dibromoethane
 Concen: 94.537 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	222621		
109	95.1	74.1	111.1	

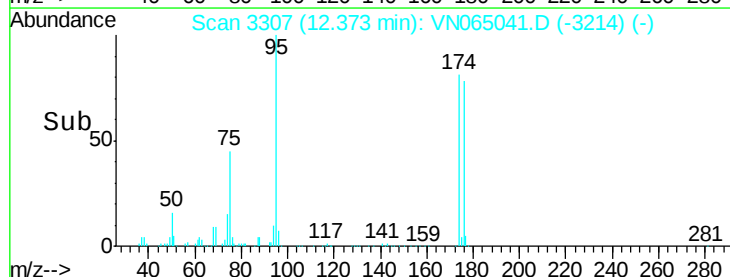
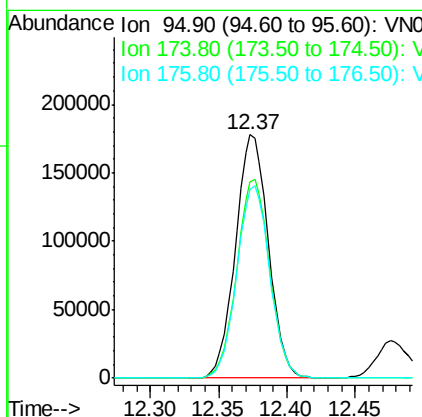
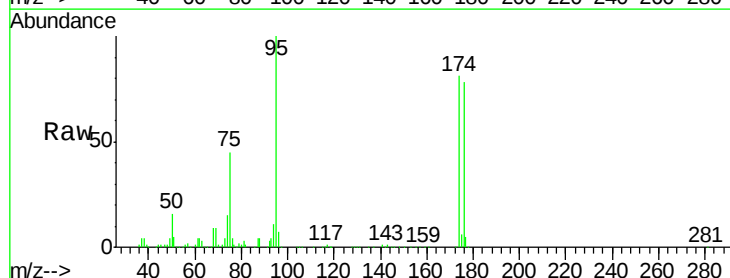
Manual Integrations
 APPROVED

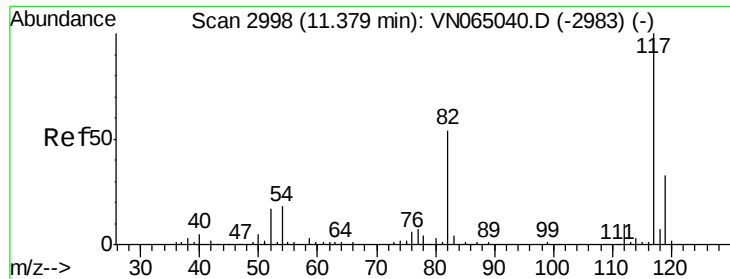
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 12/11/2020 12:32:21 PM



#62
 4-Bromofluorobenzene
 Concen: 105.014 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	297871		
174	81.7	0.0	164.8	
176	79.1	0.0	158.8	





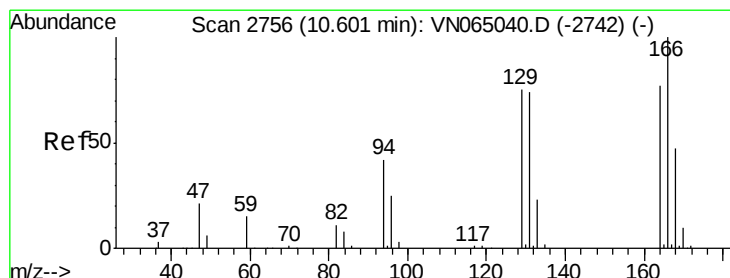
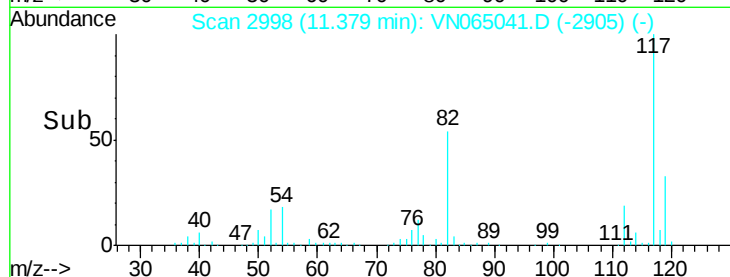
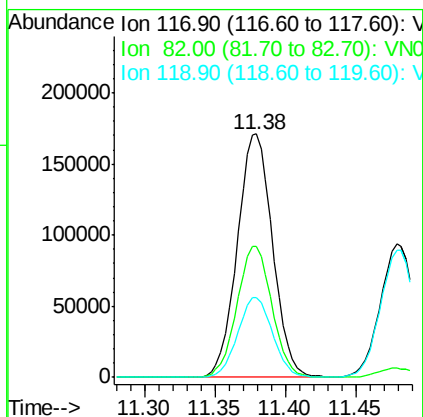
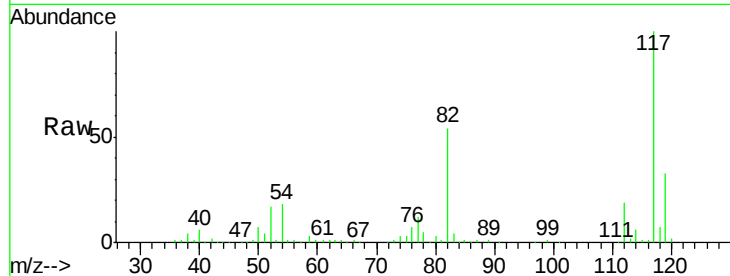
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.5	65.3
119	32.8	26.4	39.6

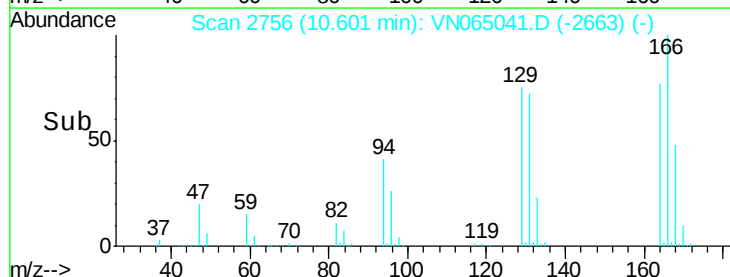
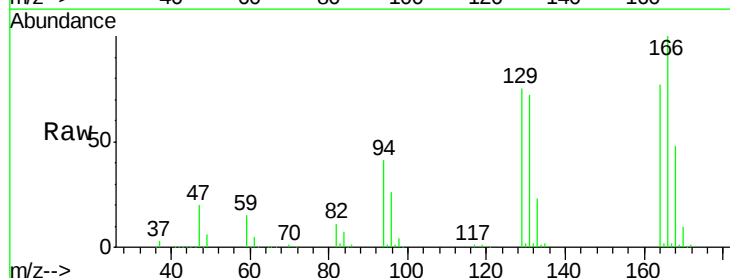
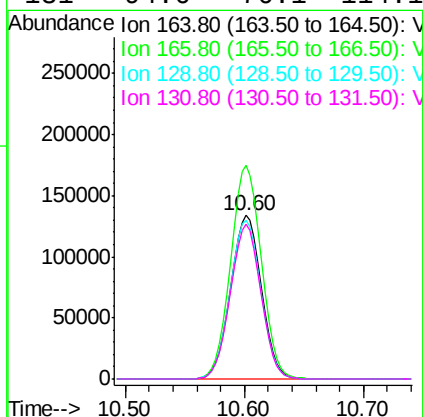
Manual Integrations
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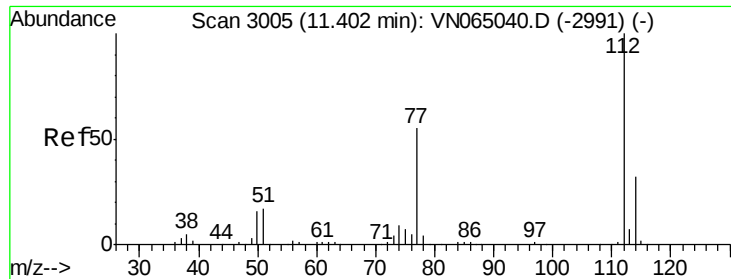
MMDadoda
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#64
Tetrachloroethene
Concen: 83.592 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.3	154.9
129	97.4	77.0	115.4
131	94.6	76.1	114.1





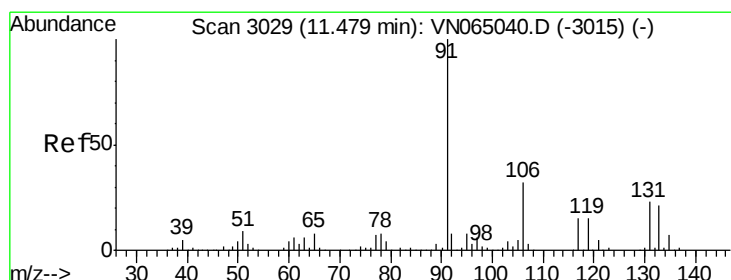
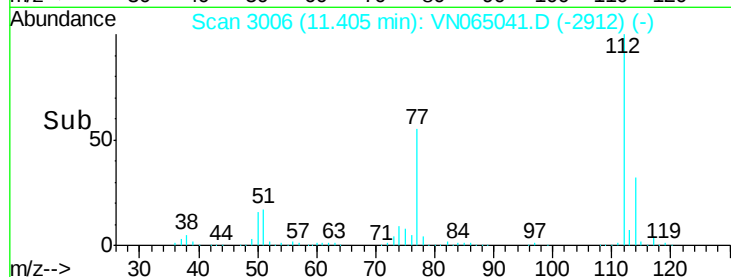
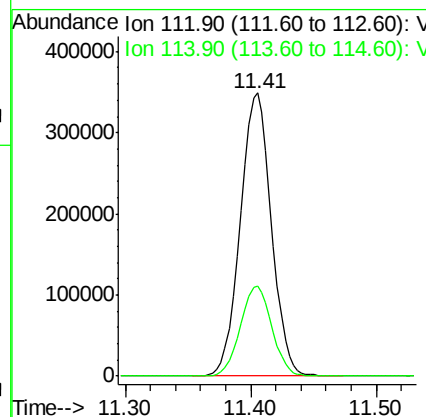
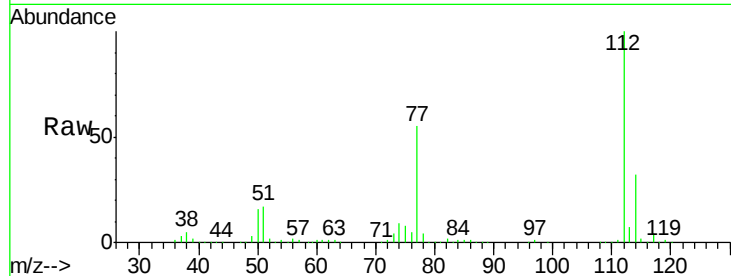
#65
Chlorobenzene
Concen: 92.926 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 599739
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

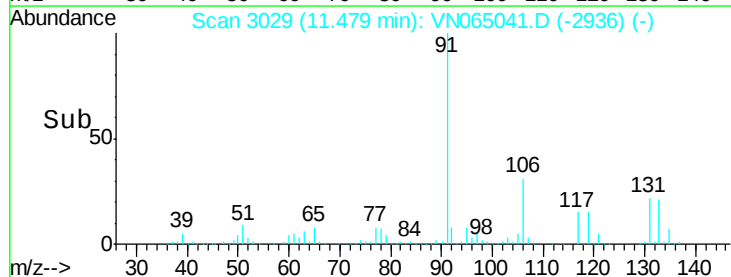
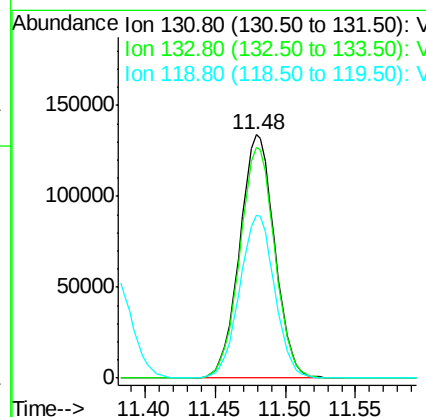
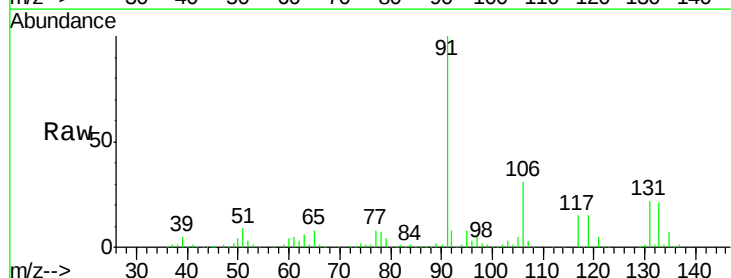
Manual Integrations
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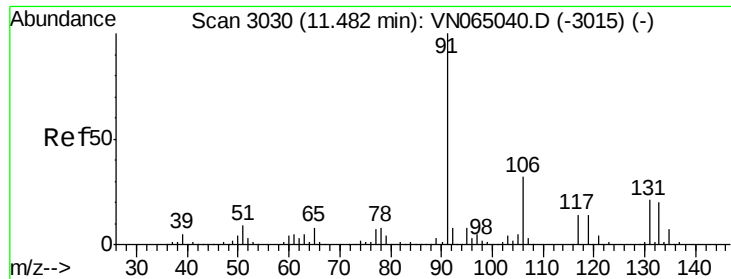
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.049 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion:131 Resp: 232531
Ion Ratio Lower Upper
131 100
133 95.1 48.7 146.1
119 67.2 33.2 99.6





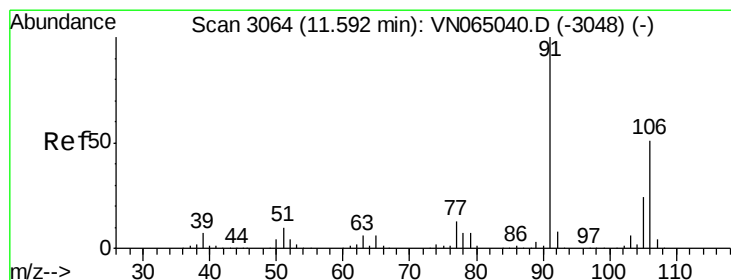
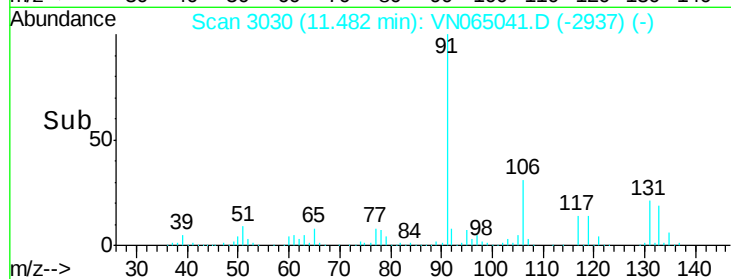
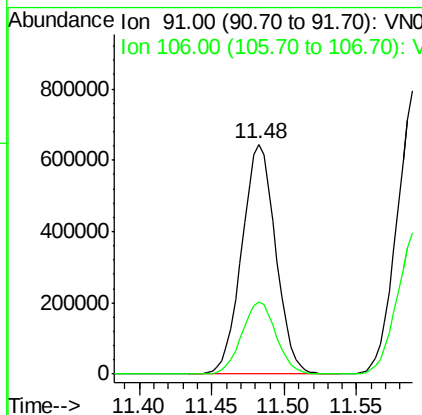
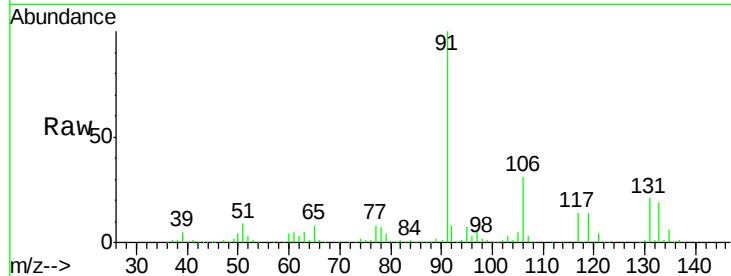
#67
Ethyl Benzene
Concen: 97.751 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1046602
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

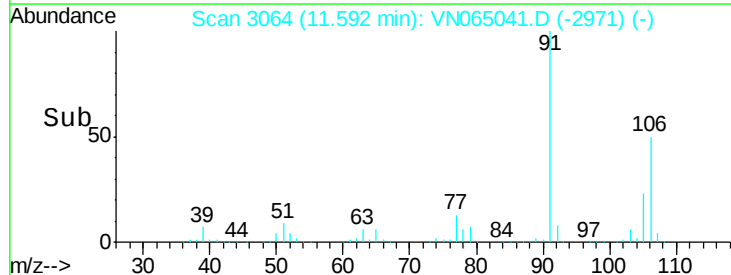
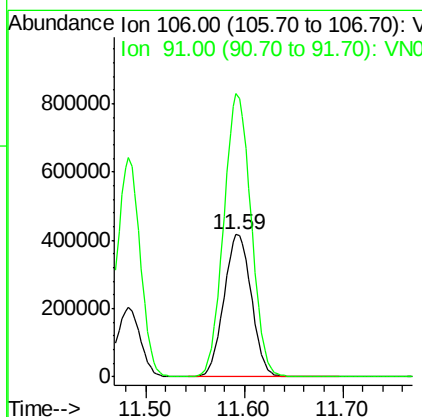
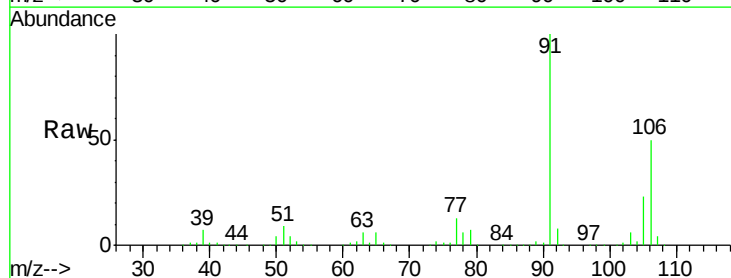
Manual Integrations
APPROVED

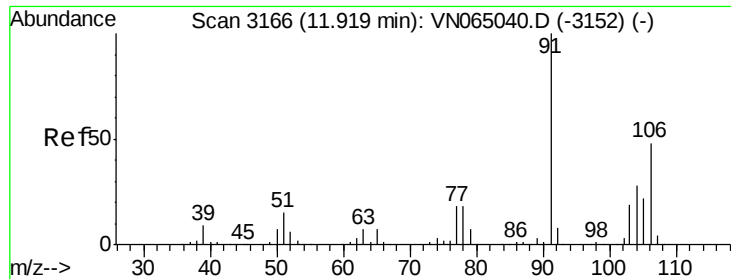
MMDadoda
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#68
m/p-Xylenes
Concen: 199.075 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion: 106 Resp: 811702
Ion Ratio Lower Upper
106 100
91 197.8 157.0 235.6





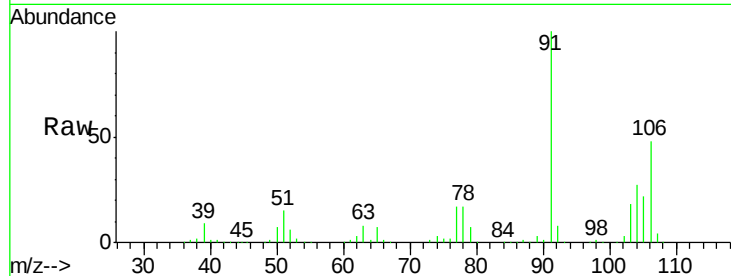
#69
o-Xylene
Concen: 100.611 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

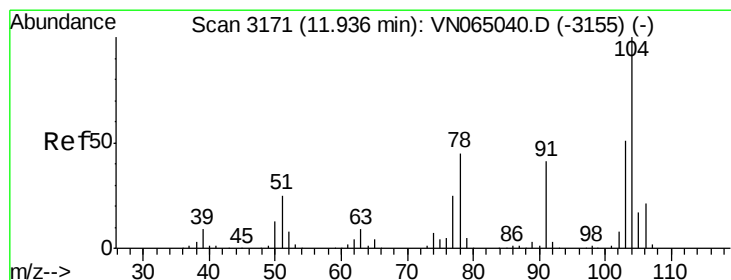
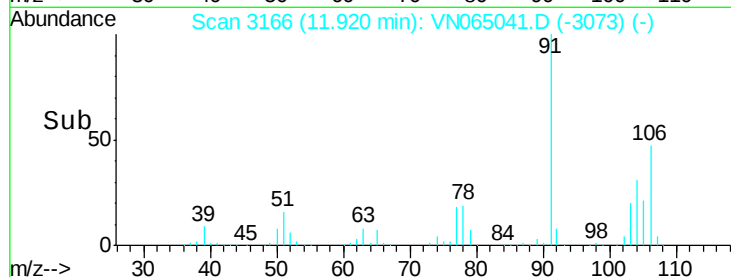
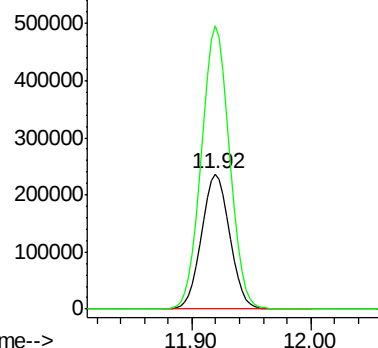
Tot Ion:106 Resp: 388599
Ion Ratio Lower Upper
106 100
91 209.1 104.1 312.3

Manual Integrations
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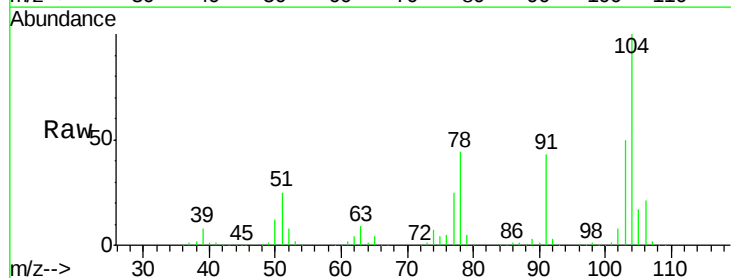


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

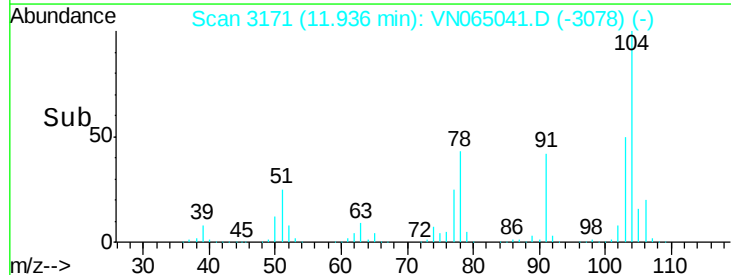
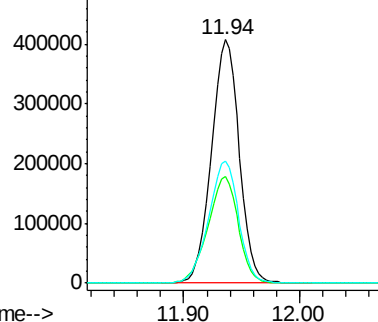


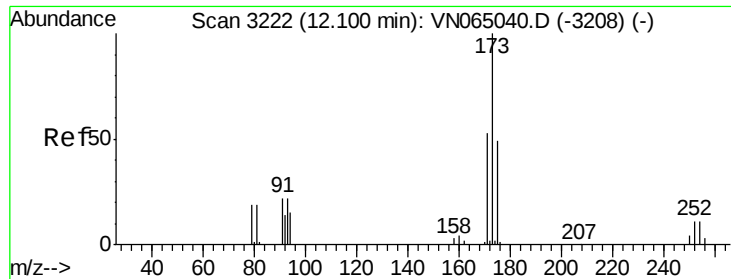
#70
Styrene
Concen: 103.603 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion:104 Resp: 675948
Ion Ratio Lower Upper
104 100
78 47.8 38.7 58.1
103 54.2 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





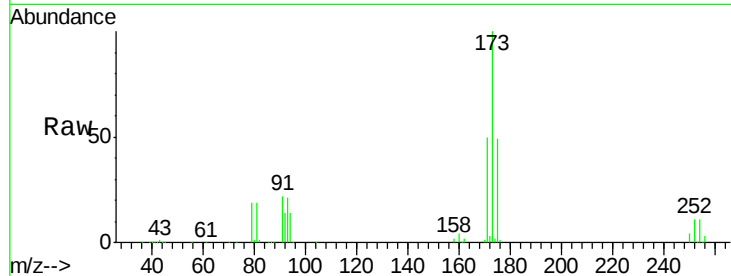
#71
Bromoform
Concen: 96.138 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

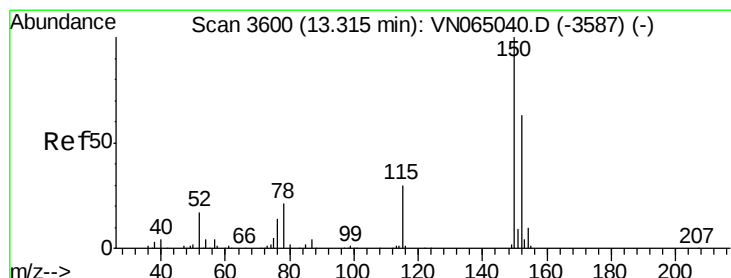
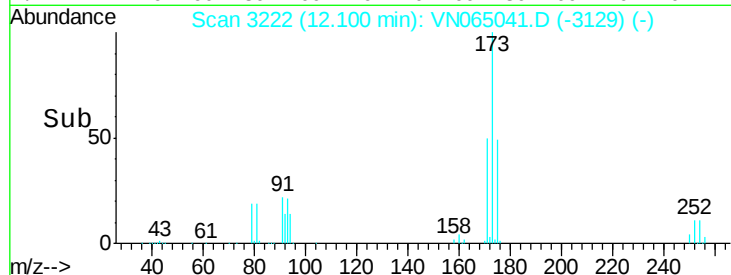
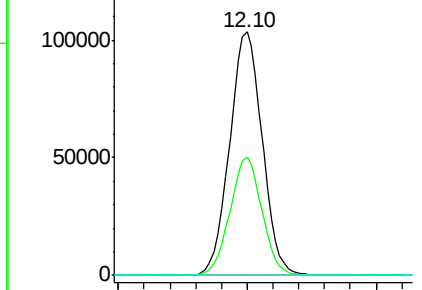
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.5	73.5
254	0.1	0.0	0.0

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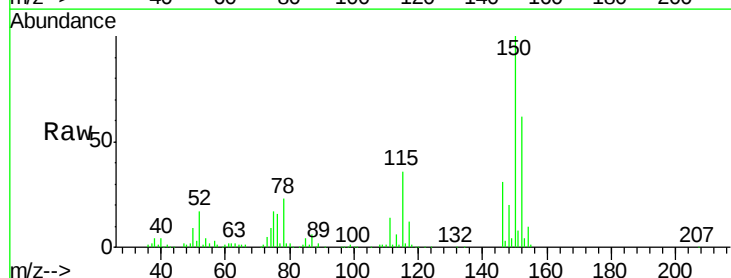


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

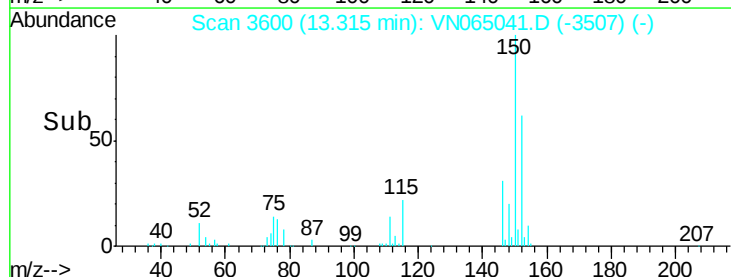
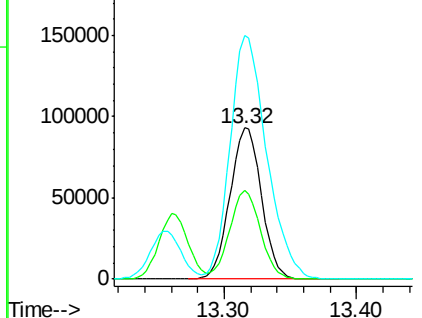


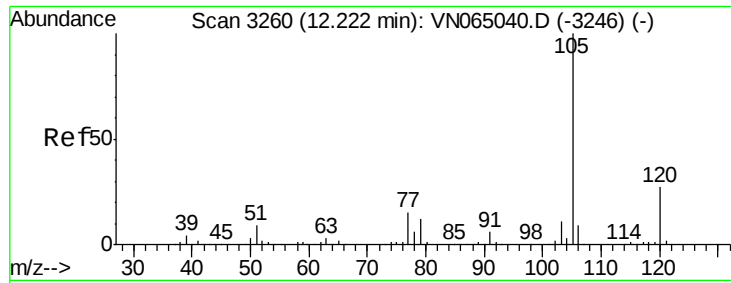
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.3	88.0
150	186.9	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: 95.962 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1019966

Ion Ratio Lower Upper

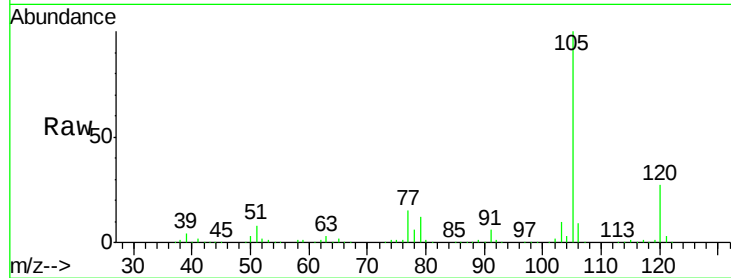
105 100

120 26.8 13.4 40.2

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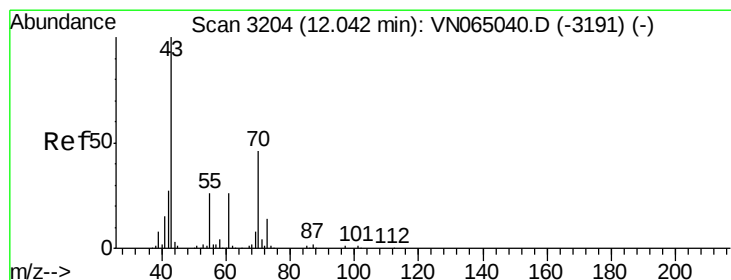
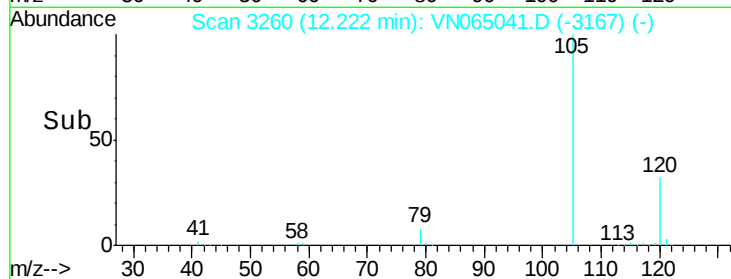
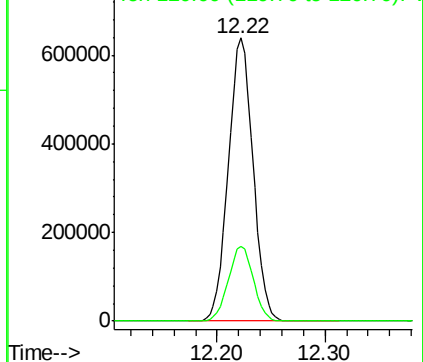
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 90.859 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Tgt Ion: 43 Resp: 373442

Ion Ratio Lower Upper

43 100

70 45.0 36.2 54.2

55 25.9 21.4 32.0

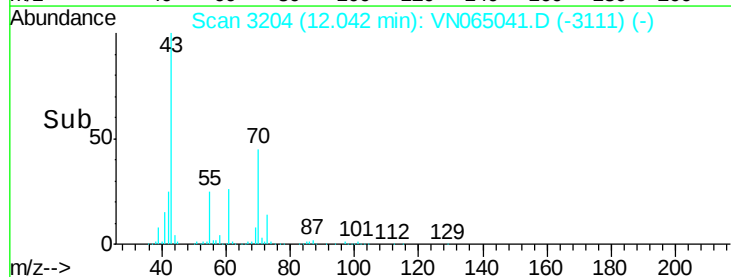
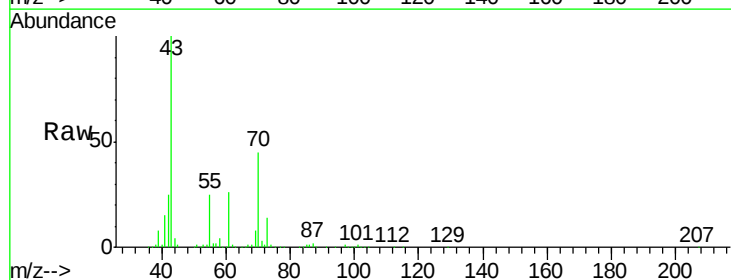
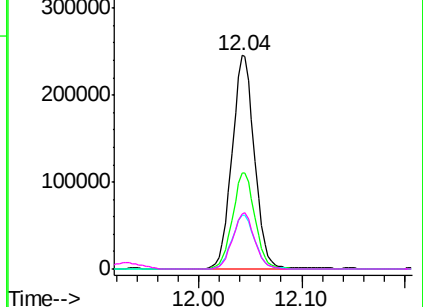
61 25.7 19.8 29.8

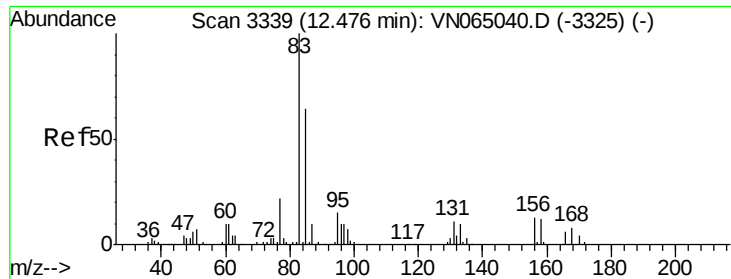
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 93.461 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

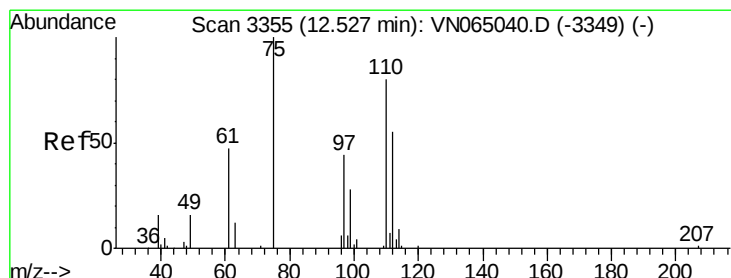
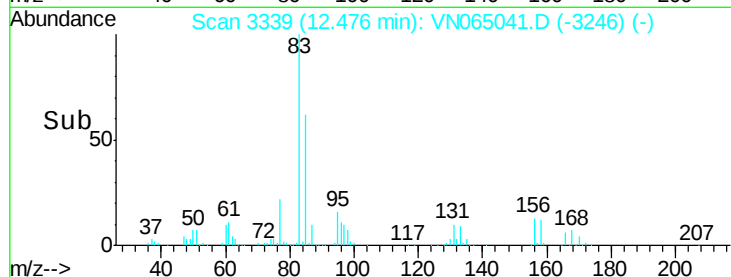
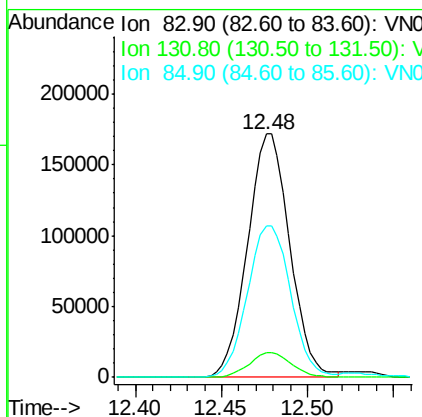
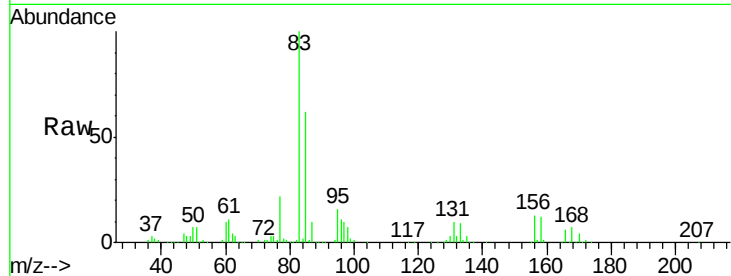
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	292209
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.4
85	63.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 87.388 ug/l m

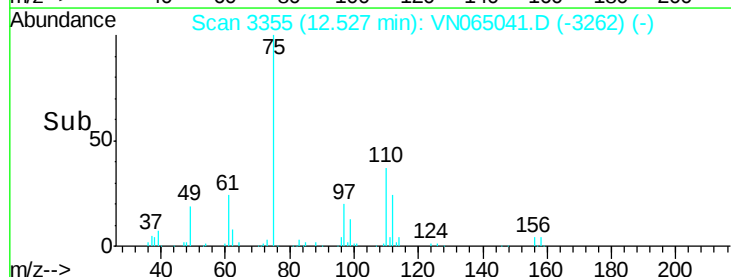
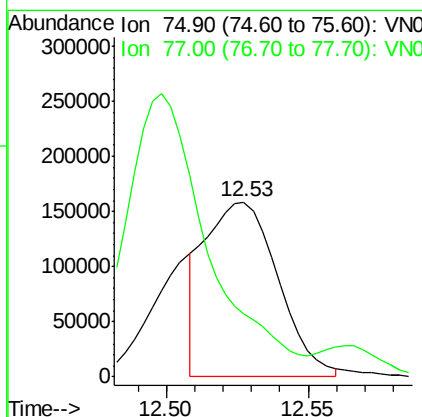
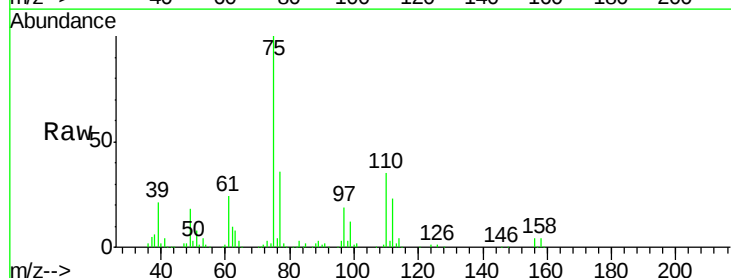
RT: 12.53 min Scan# 3355

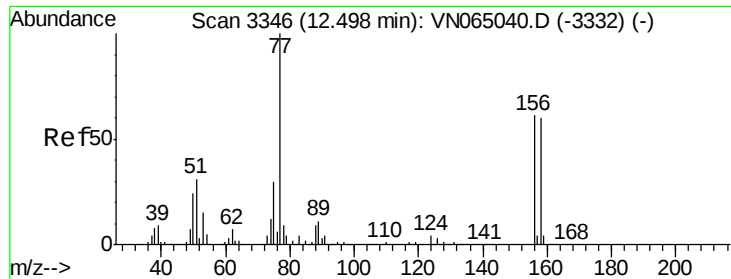
Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Tgt Ion:	75	Resp:	284368
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 92.224 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

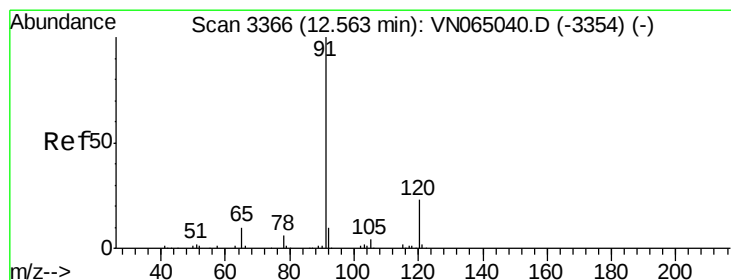
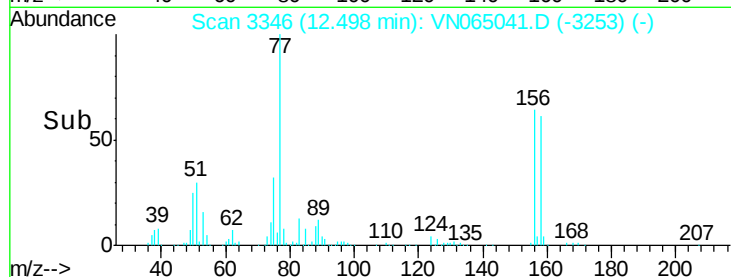
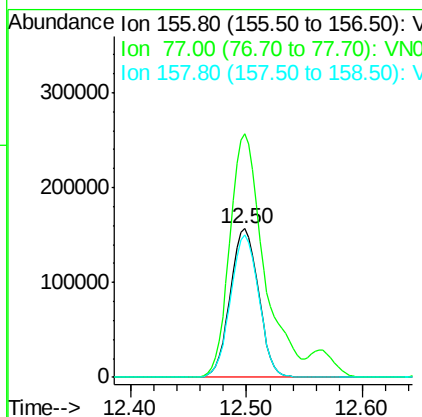
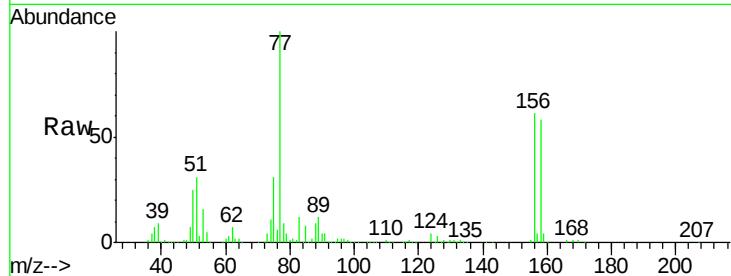
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	265039
Ion Ratio	Lower	Upper	
156	100		
77	198.0	99.3	297.8
158	95.7	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 96.180 ug/l

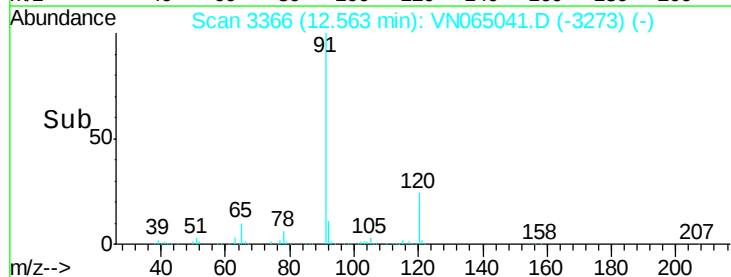
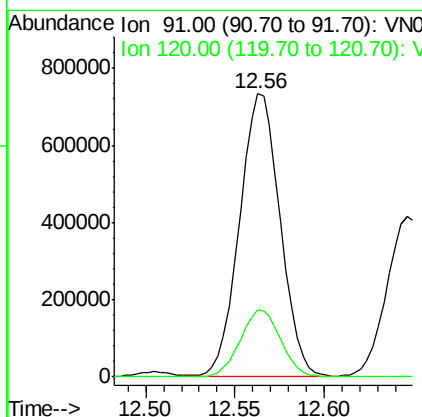
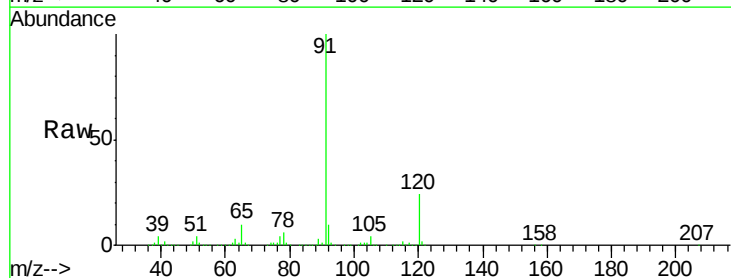
RT: 12.56 min Scan# 3366

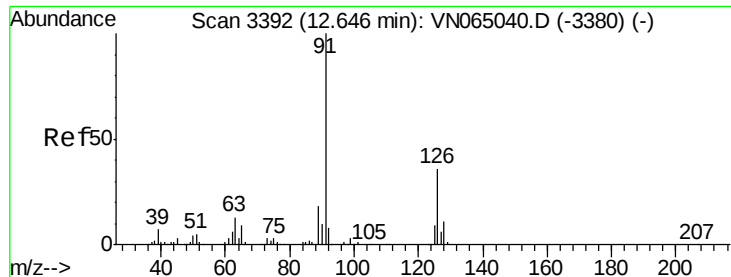
Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Tgt Ion:	91	Resp:	1160187
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 92.344 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 689506

Ion Ratio Lower Upper

91 100

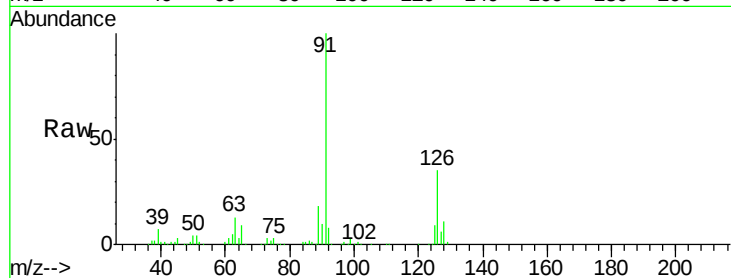
126 35.2 17.6 52.9

Manual Integrations

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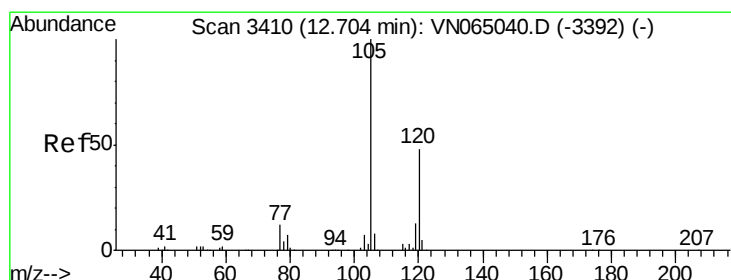
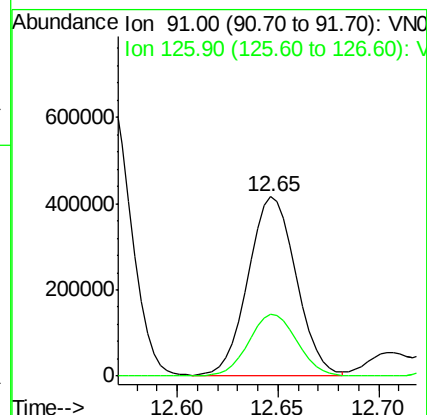
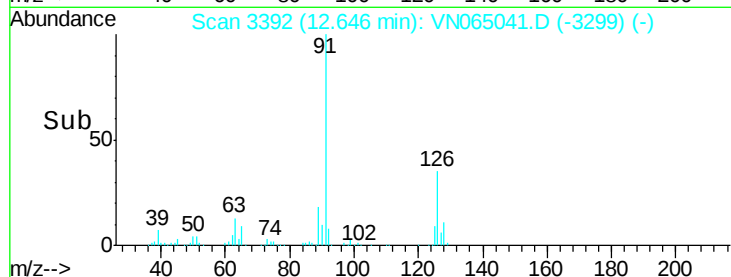
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Abundance Ion 91.00 (90.70 to 91.70): VN065041.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN065041.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 98.513 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN065041.D

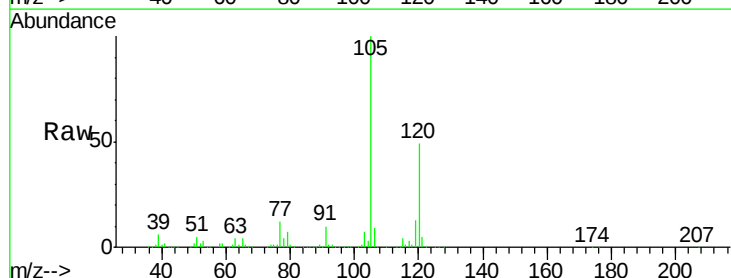
Acq: 10 Dec 2020 11:35

Tgt Ion: 105 Resp: 869735

Ion Ratio Lower Upper

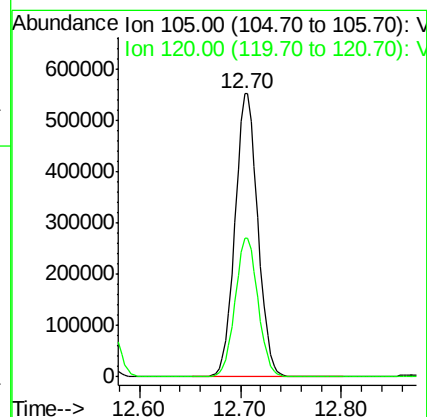
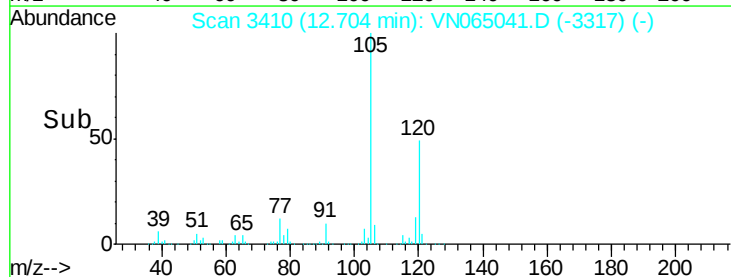
105 100

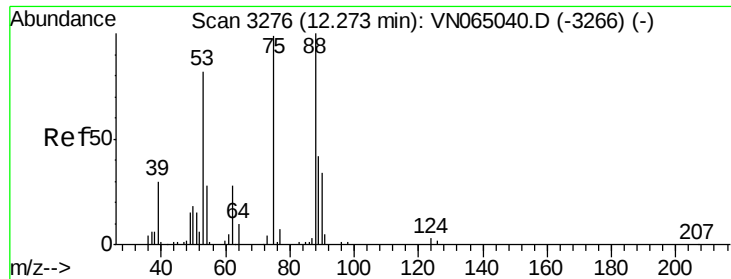
120 49.2 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN065041.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN065041.D (-3317) (-)





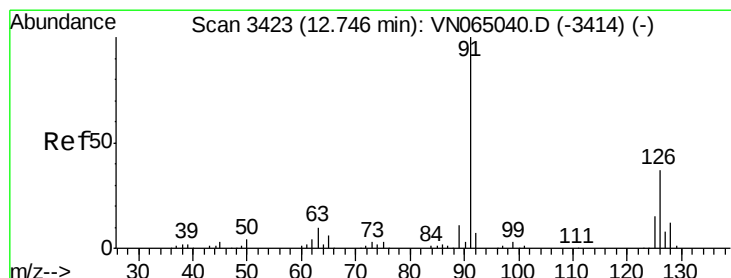
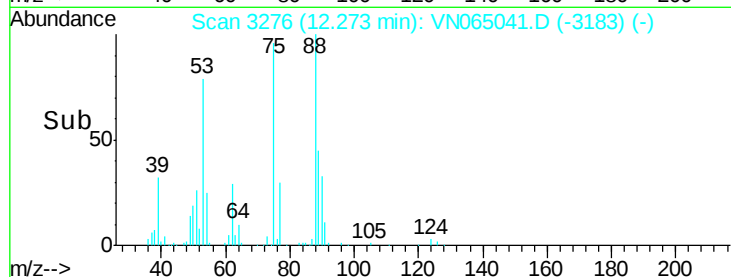
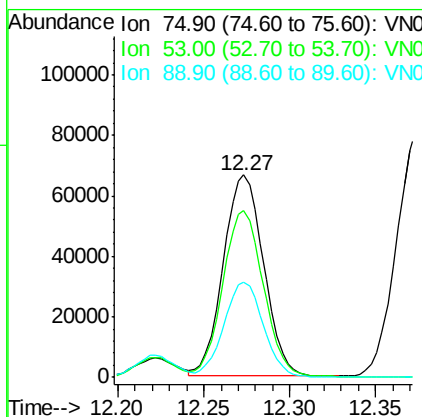
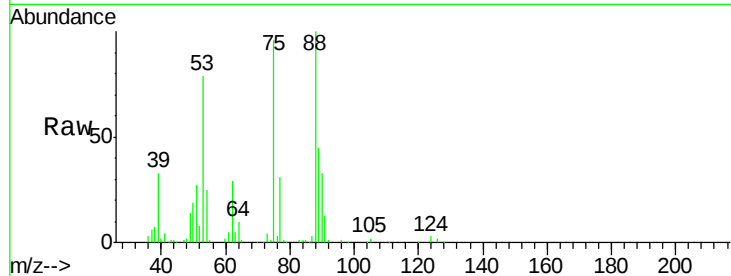
#81
trans-1,4-Dichloro-2-butene
Concen: 92.243 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.4	68.6	103.0
89	46.6	36.2	54.4

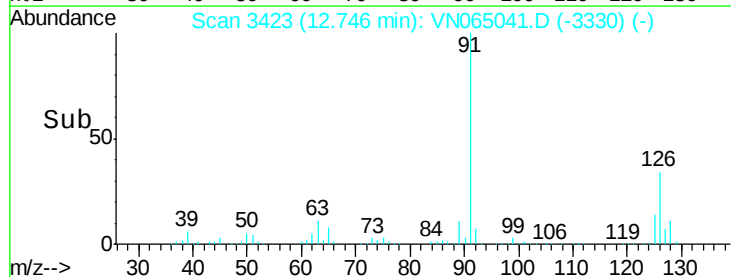
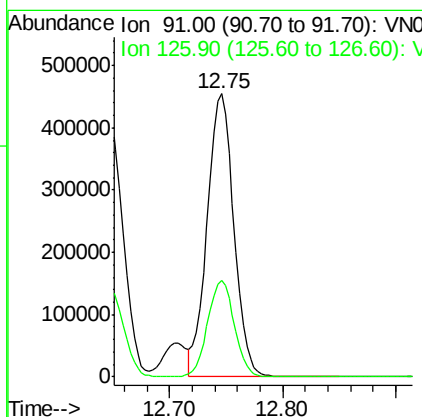
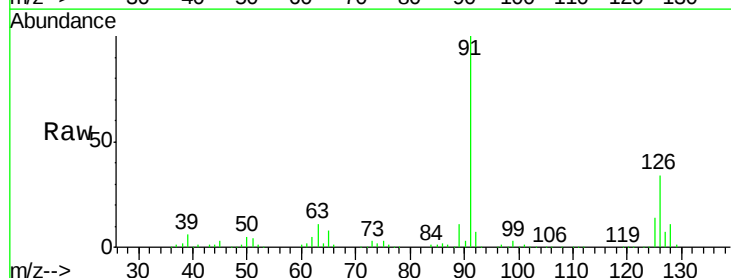
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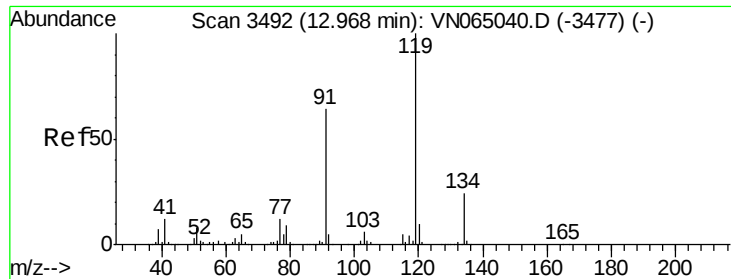
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#82
4-Chlorotoluene
Concen: 94.277 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0





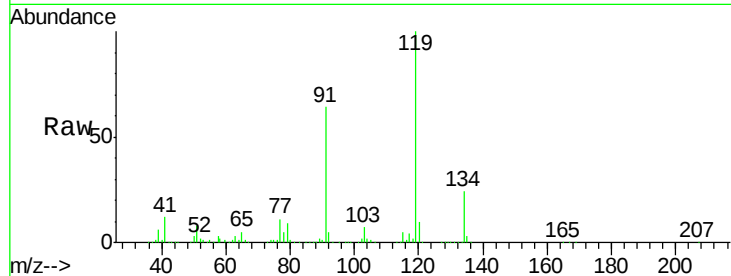
#83
tert-Butylbenzene
Concen: 98.001 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

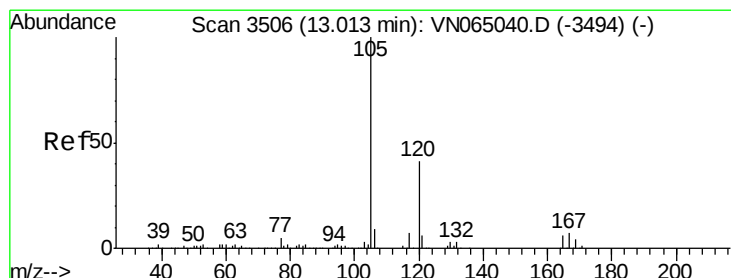
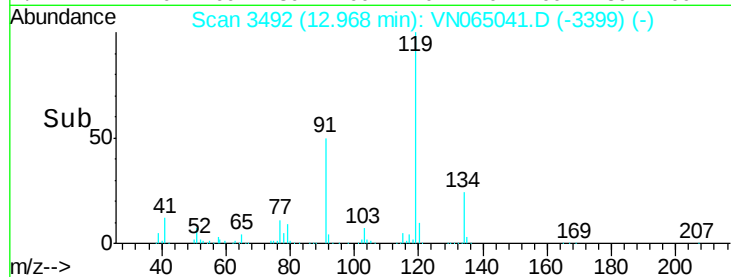
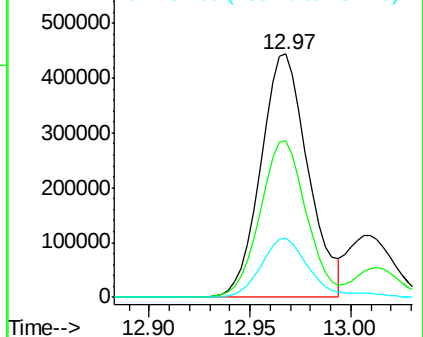
Tot Ion	Ratio	Resp	Lower	Upper
119	100	725420		
91	62.5		31.1	93.5
134	25.2		12.6	37.6

Manual Integrations
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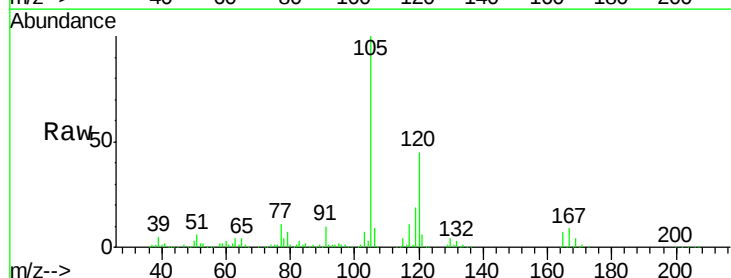


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

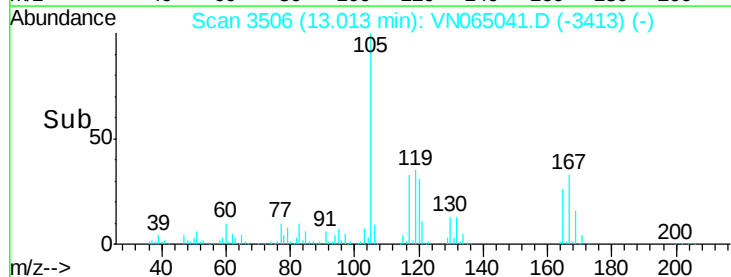
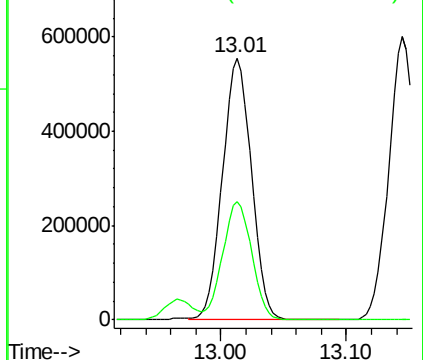


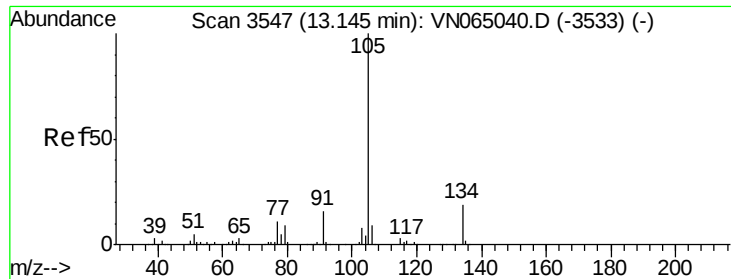
#84
1,2,4-Trimethylbenzene
Concen: 98.928 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	885061		
120	45.8		23.1	69.2



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





#85

sec-Butylbenzene

Concen: 95.598 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 934448

Ion Ratio Lower Upper

105 100

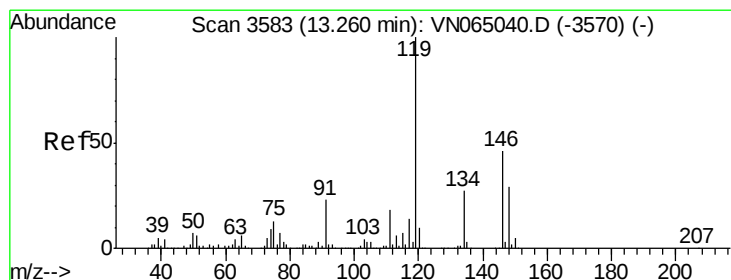
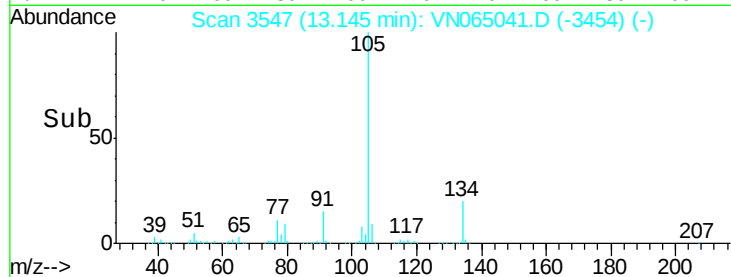
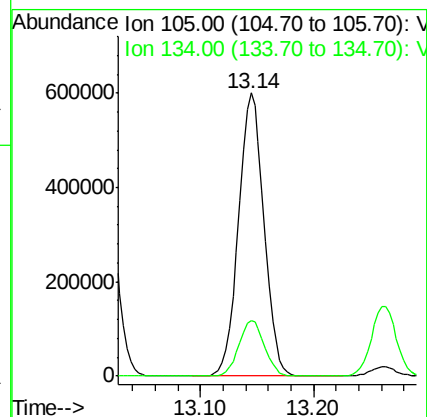
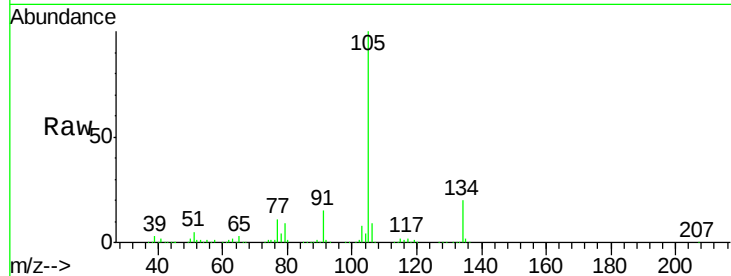
134 19.9 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 99.744 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

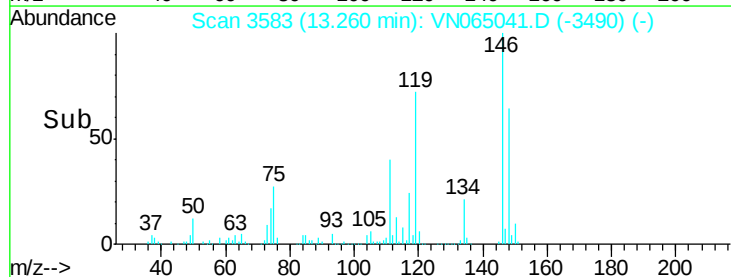
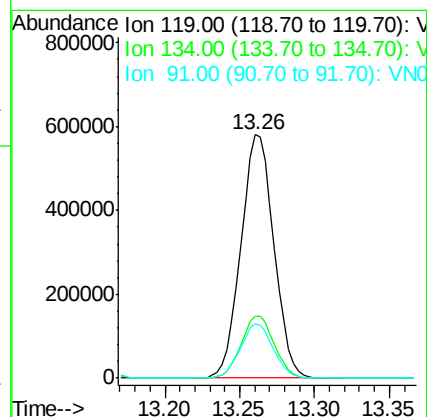
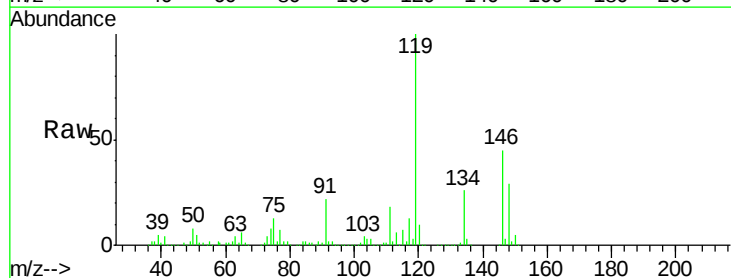
Tgt Ion:119 Resp: 887594

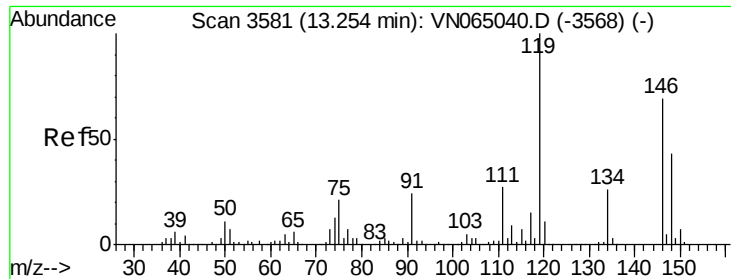
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 22.3 11.5 34.4





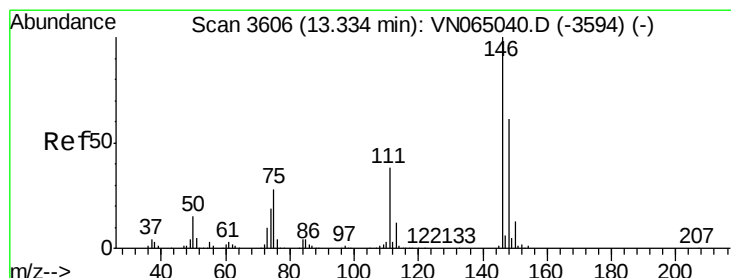
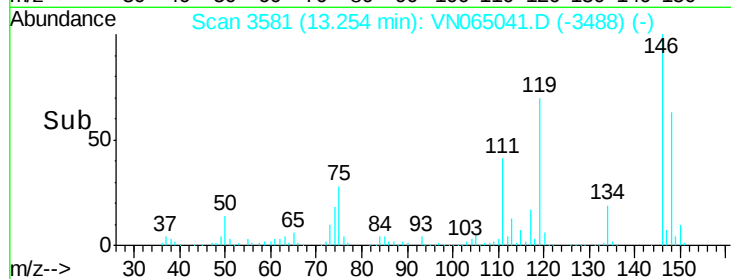
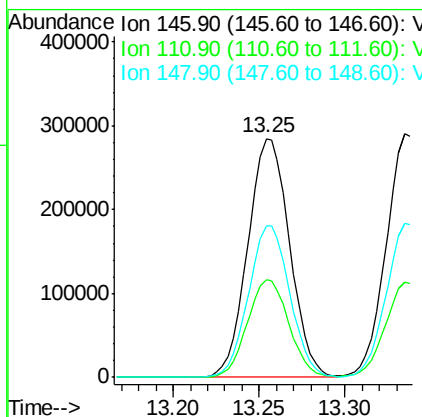
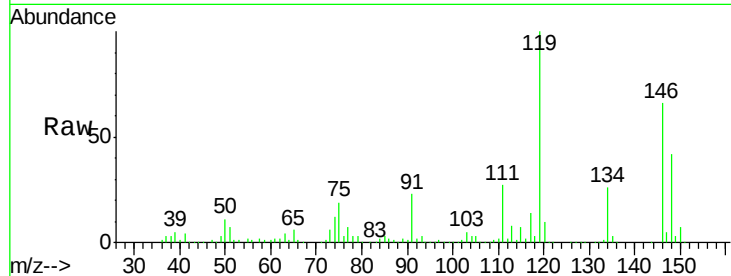
#87
 1,3-Dichlorobenzene
 Concen: 94.104 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	480630		
111	40.4	20.0	59.9	
148	62.7	31.6	94.7	

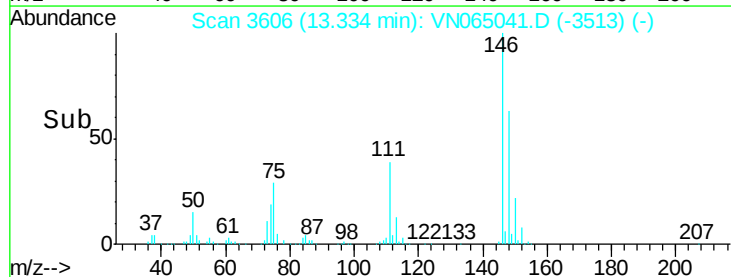
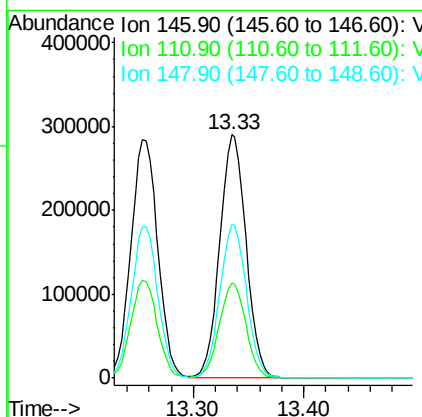
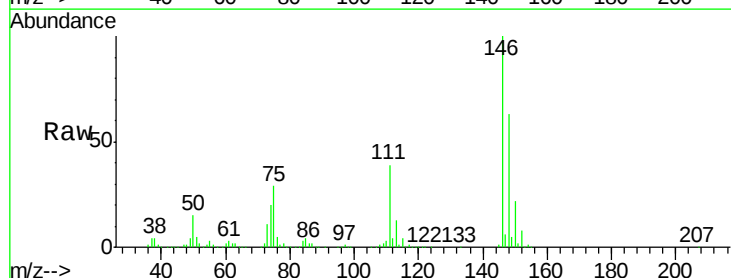
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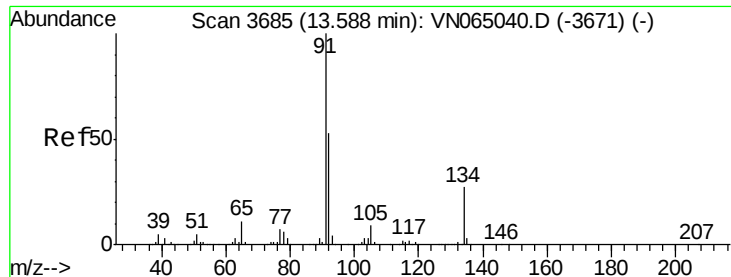
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#88
 1,4-Dichlorobenzene
 Concen: 89.053 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	480796		
111	39.2	19.2	57.6	
148	64.0	31.1	93.3	





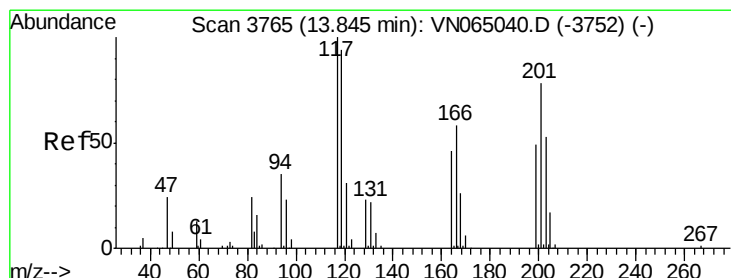
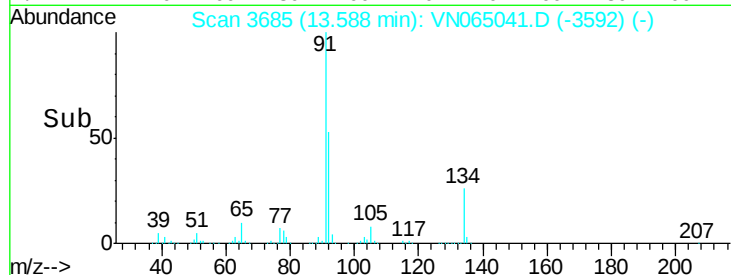
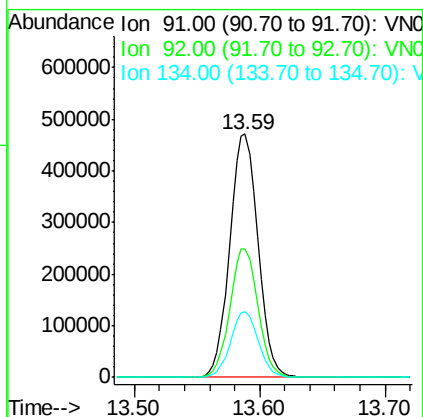
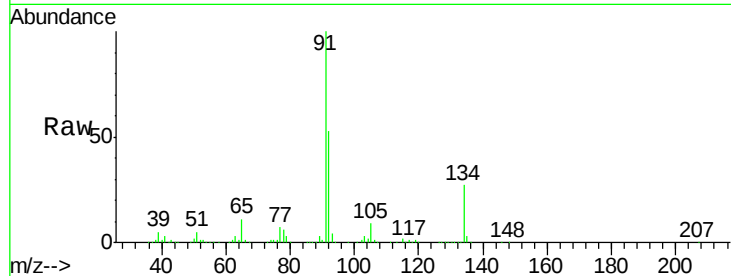
#89
n-Butylbenzene
Concen: 94.750 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.9	77.8
134	26.5	13.2	39.6

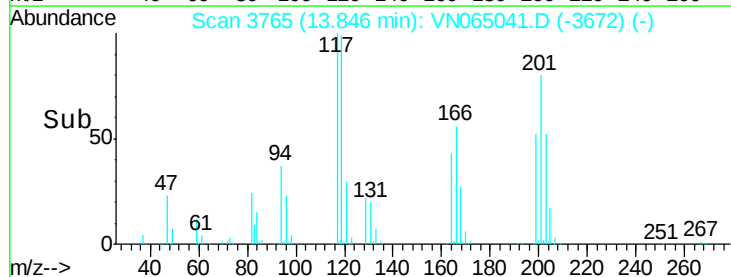
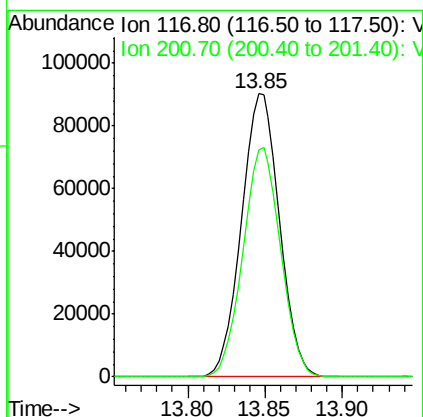
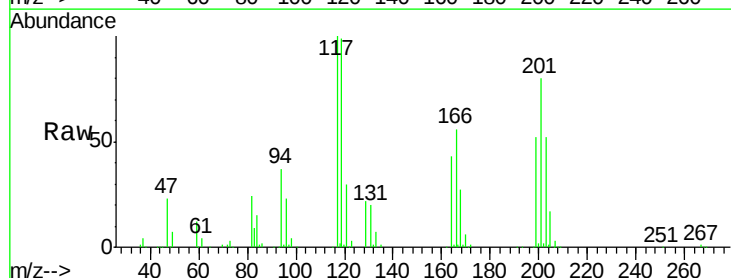
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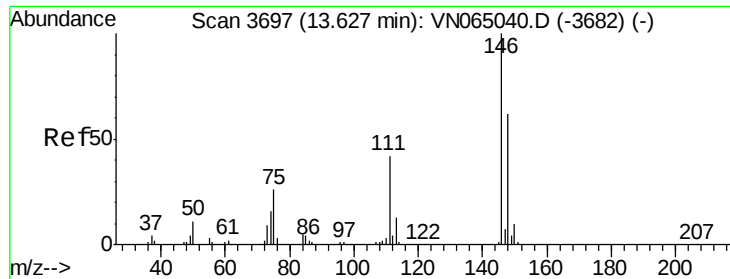
MMDadoda
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#90
Hexachloroethane
Concen: 99.237 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065041.D
Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	39.5	118.3





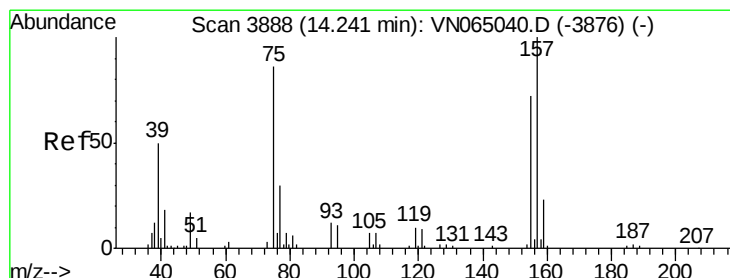
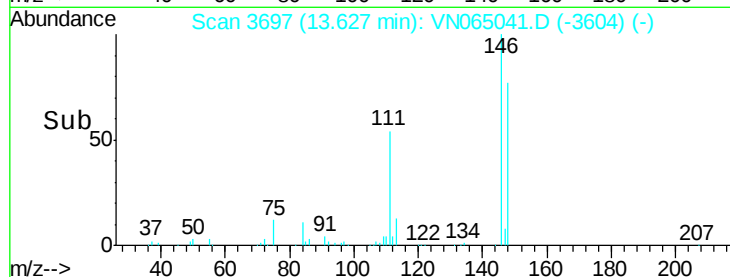
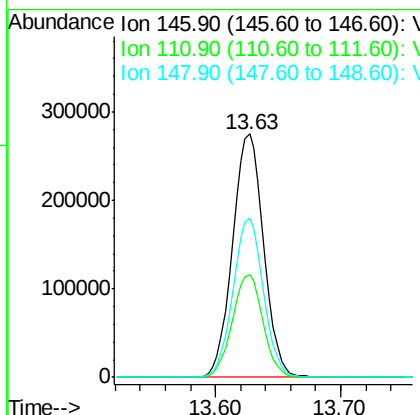
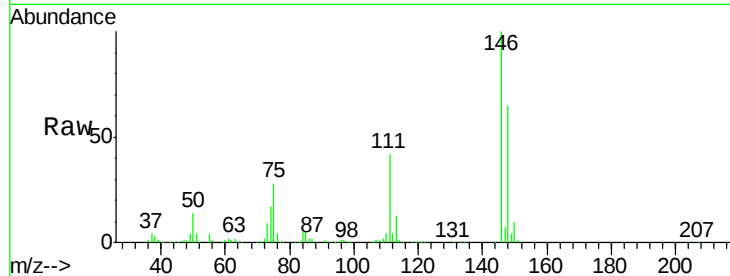
#91
 1,2-Dichlorobenzene
 Concen: 94.176 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	64.1	31.7	95.1

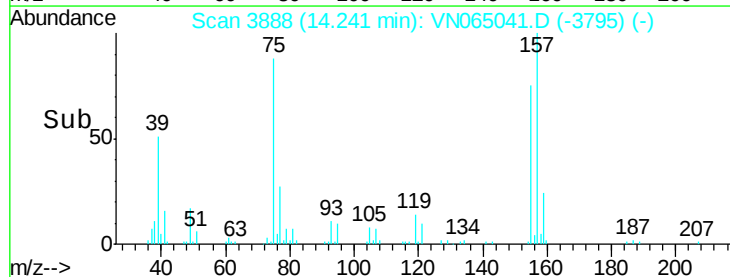
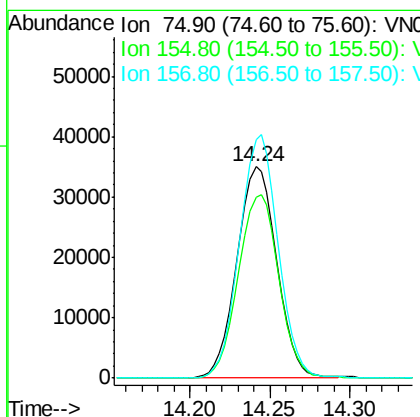
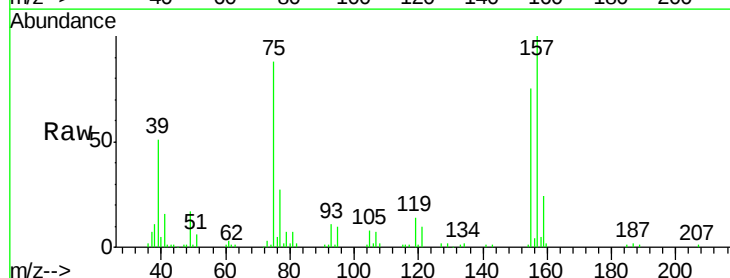
Manual Integrations
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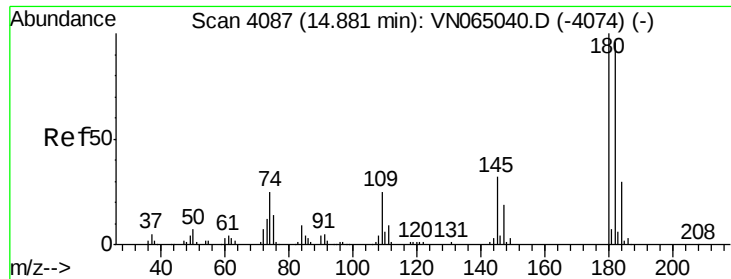
MMDadoda
 12/11/2020 12:32:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.346 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	43.8	131.4
157	111.6	58.1	174.3





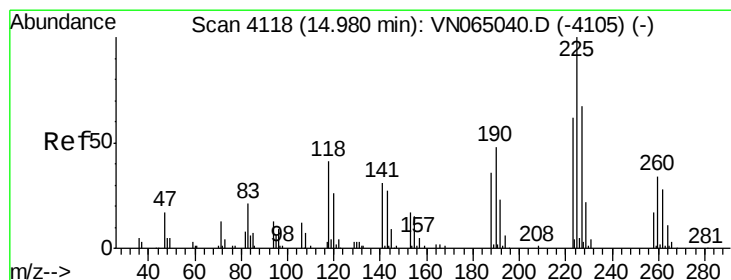
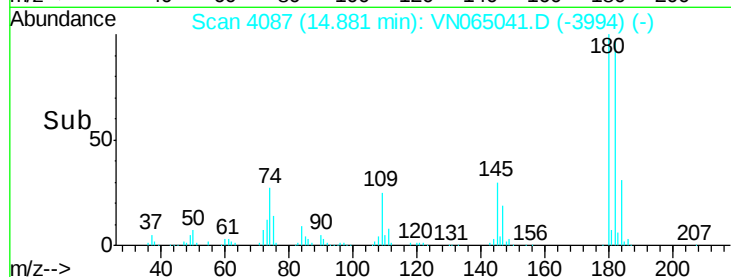
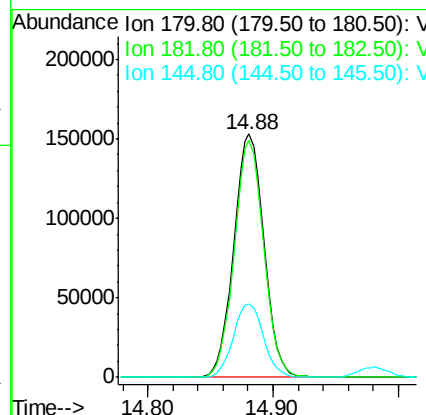
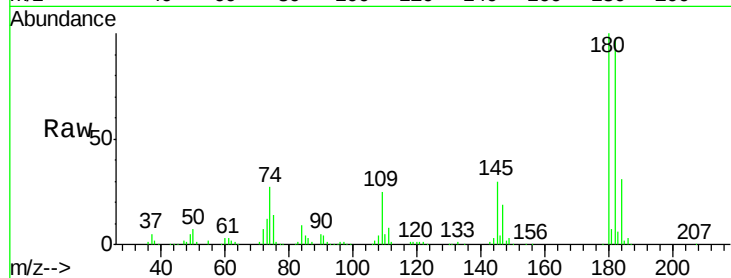
#93
 1,2,4-Trichlorobenzene
 Concen: 84.238 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	255636		
182	95.1	47.0	141.2	
145	30.2	15.4	46.4	

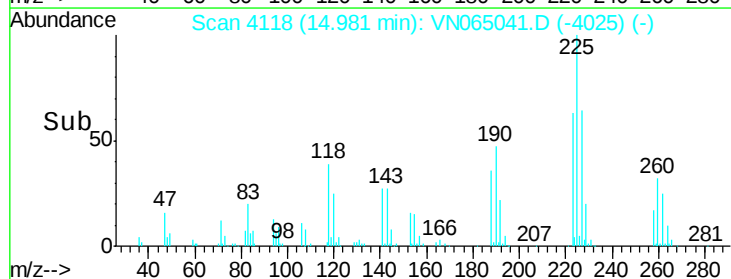
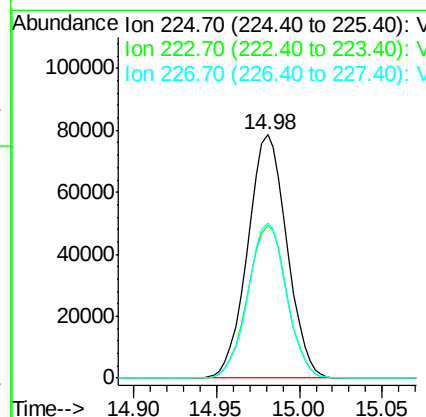
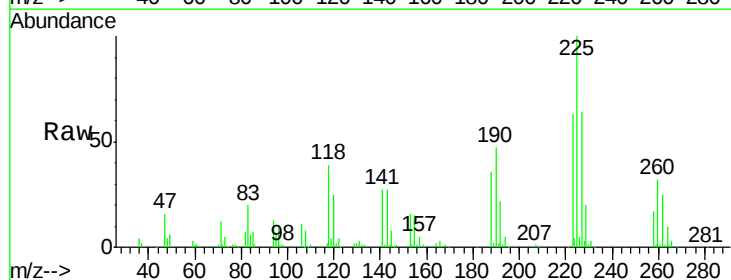
Manual Integrations
 APPROVED

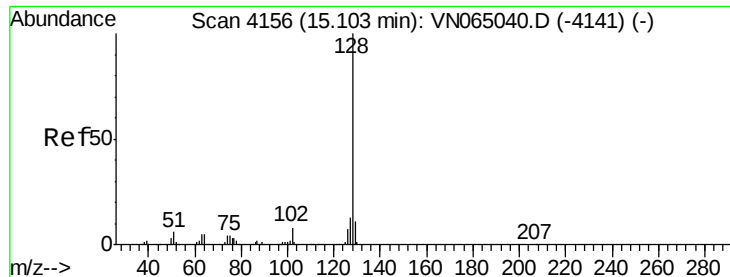
MMDadoda
 12/11/2020 12:32:21 PM



#94
 Hexachlorobutadiene
 Concen: 83.515 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN065041.D
 Acq: 10 Dec 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129216		
223	62.7	31.4	94.0	
227	62.6	32.3	96.8	





#95

Naphthalene

Concen: 84.240 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Instrument :

MSVOA_N

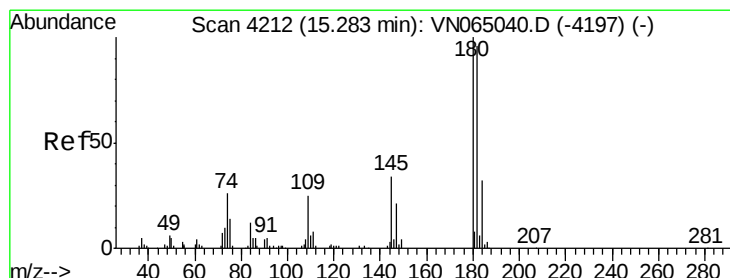
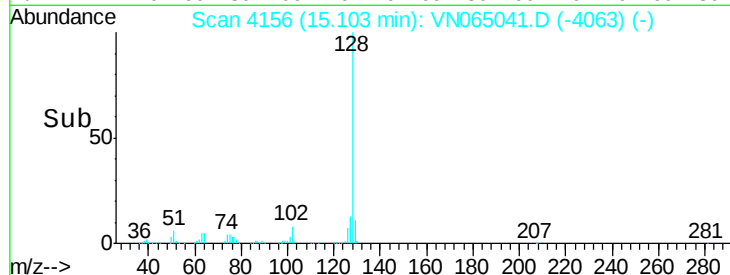
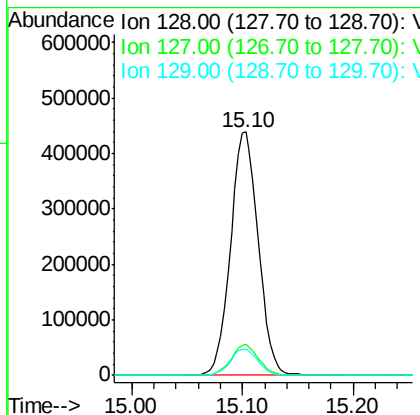
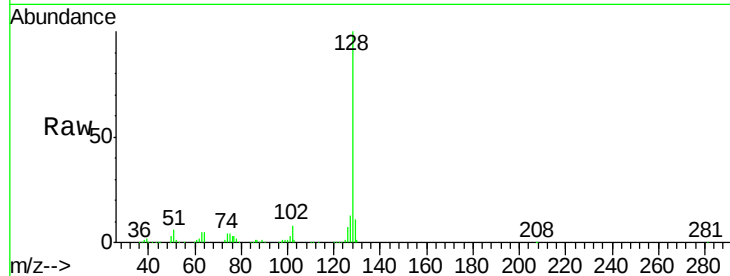
ClientSampleId :

VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		762775		
127	12.5		10.2	15.2	
129	10.8		8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
12/11/2020 12:32:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 80.914 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN065041.D

Acq: 10 Dec 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		241422		
182	95.7		48.3	144.9	
145	32.1		16.2	48.6	

