

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064647.D
 Acq On : 13 Nov 2020 21:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:41:54 PM

Quant Time: Nov 17 03:30:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	286832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	505272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	478315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	236953	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	253004	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.55	113	175680	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.06	98	653828	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.37	95	248551	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	168781	45.203	ug/l	100
3) Chloromethane	2.04	50	194628	42.915	ug/l	98
4) Vinyl Chloride	2.17	62	213047	45.745	ug/l	97
5) Bromomethane	2.53	94	147130	49.451	ug/l	94
6) Chloroethane	2.68	64	146452	49.116	ug/l	99
7) Trichlorofluoromethane	2.99	101	356981	52.054	ug/l	98
8) Diethyl Ether	3.37	74	125393	51.777	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	157675	48.417	ug/l	100
10) Methyl Iodide	3.91	142	197768	52.263	ug/l	99
11) Tert butyl alcohol	4.75	59	135703	246.296	ug/l	99
12) 1,1-Dichloroethene	3.69	96	146790	47.852	ug/l	94
13) Acrolein	3.57	56	72179	211.197	ug/l	96
14) Allyl chloride	4.27	41	274511	45.745	ug/l	99
15) Acrylonitrile	4.93	53	406794	265.189	ug/l	97
16) Acetone	3.78	43	384062	201.805	ug/l	99
17) Carbon Disulfide	4.01	76	415343	45.276	ug/l	99
18) Methyl Acetate	4.28	43	210953	56.382	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	537533	48.687	ug/l	96
20) Methylene Chloride	4.51	84	180448	47.789	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	163856	47.044	ug/l	98
22) Diisopropyl ether	5.91	45	617065	48.442	ug/l	99
23) Vinyl Acetate	5.85	43	2543017	245.405	ug/l	98
24) 1,1-Dichloroethane	5.80	63	340957	48.710	ug/l	99
25) 2-Butanone	6.79	43	578861	238.719	ug/l	96
26) 2,2-Dichloropropane	6.78	77	281505	44.426	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	192197	47.621	ug/l	97
28) Bromochloromethane	7.15	49	160219	46.567	ug/l	96
29) Tetrahydrofuran	7.17	42	386718	259.942	ug/l	98
30) Chloroform	7.33	83	373717	50.792	ug/l	95
31) Cyclohexane	7.61	56	258704	42.596	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	327298	50.153	ug/l	98
36) 1,1-Dichloropropene	7.75	75	260344	48.773	ug/l	98
37) Ethyl Acetate	6.88	43	257614	47.589	ug/l	99
38) Carbon Tetrachloride	7.73	117	293234	51.401	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	227225	47.487	ug/l	97
40) Benzene	8.00	78	757486	48.293	ug/l	99
41) Methacrylonitrile	7.13	41	121563	51.368	ug/l	90
42) 1,2-Dichloroethane	8.09	62	326377	51.561	ug/l	99
43) Isopropyl Acetate	8.13	43	434000	50.171	ug/l	98
44) Trichloroethene	8.80	130	193479	48.891	ug/l	99
45) 1,2-Dichloropropane	9.08	63	209649	50.093	ug/l	98
46) Dibromomethane	9.17	93	147564	53.561	ug/l	98
47) Bromodichloromethane	9.37	83	311874	52.646	ug/l	99
48) Methyl methacrylate	9.17	41	224454	51.421	ug/l	99
49) 1,4-Dioxane	9.17	88	58562	1018.583	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1374709	272.507	ug/l	99
52) Toluene	10.12	92	491541	51.380	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	317227	50.510	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	332516	49.519	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	196135	52.569	ug/l	98
56) Ethyl methacrylate	10.40	69	280852	45.909	ug/l	98
57) 1,3-Dichloropropane	10.68	76	340503	52.286	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	740765	254.921	ug/l	97
59) 2-Hexanone	10.72	43	996067	242.265	ug/l	99
60) Dibromochloromethane	10.87	129	233101	55.803	ug/l	99
61) 1,2-Dibromoethane	10.98	107	205428	54.283	ug/l	99
64) Tetrachloroethene	10.60	164	179793	48.798	ug/l	97
65) Chlorobenzene	11.41	112	517629	49.365	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	207782	53.116	ug/l	99
67) Ethyl Benzene	11.48	91	946782	50.762	ug/l	99
68) m/p-Xylenes	11.59	106	703842	104.055	ug/l	98
69) o-Xylene	11.92	106	334754	51.215	ug/l	100
70) Styrene	11.94	104	589251	53.574	ug/l	99
71) Bromoform	12.10	173	151205	51.441	ug/l #	99
73) Isopropylbenzene	12.22	105	880300	46.741	ug/l	100
74) N-amyl acetate	12.04	43	386898	42.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	285205	49.302	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	264321m	46.040	ug/l	
77) Bromobenzene	12.50	156	214288	46.603	ug/l	99
78) n-propylbenzene	12.57	91	1042554	48.554	ug/l	99
79) 2-Chlorotoluene	12.65	91	646432	47.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	763477	49.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	97423	47.380	ug/l	99
82) 4-Chlorotoluene	12.75	91	686596	48.142	ug/l	100
83) tert-Butylbenzene	12.97	119	598782	49.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	775941	49.678	ug/l	99
85) sec-Butylbenzene	13.14	105	773738	50.346	ug/l	99
86) p-Isopropyltoluene	13.26	119	706266	51.091	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	384819	48.414	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	382639	46.583	ug/l	99
89) n-Butylbenzene	13.59	91	590833	49.710	ug/l	99
90) Hexachloroethane	13.85	117	137820	51.683	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	380505	49.767	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	61603	53.487	ug/l	99

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QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	162593	43.148	ug/l	99
94) Hexachlorobutadiene	14.98	225	82491	52.992	ug/l	99
95) Naphthalene	15.10	128	520619	40.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	166859	45.618	ug/l	98

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

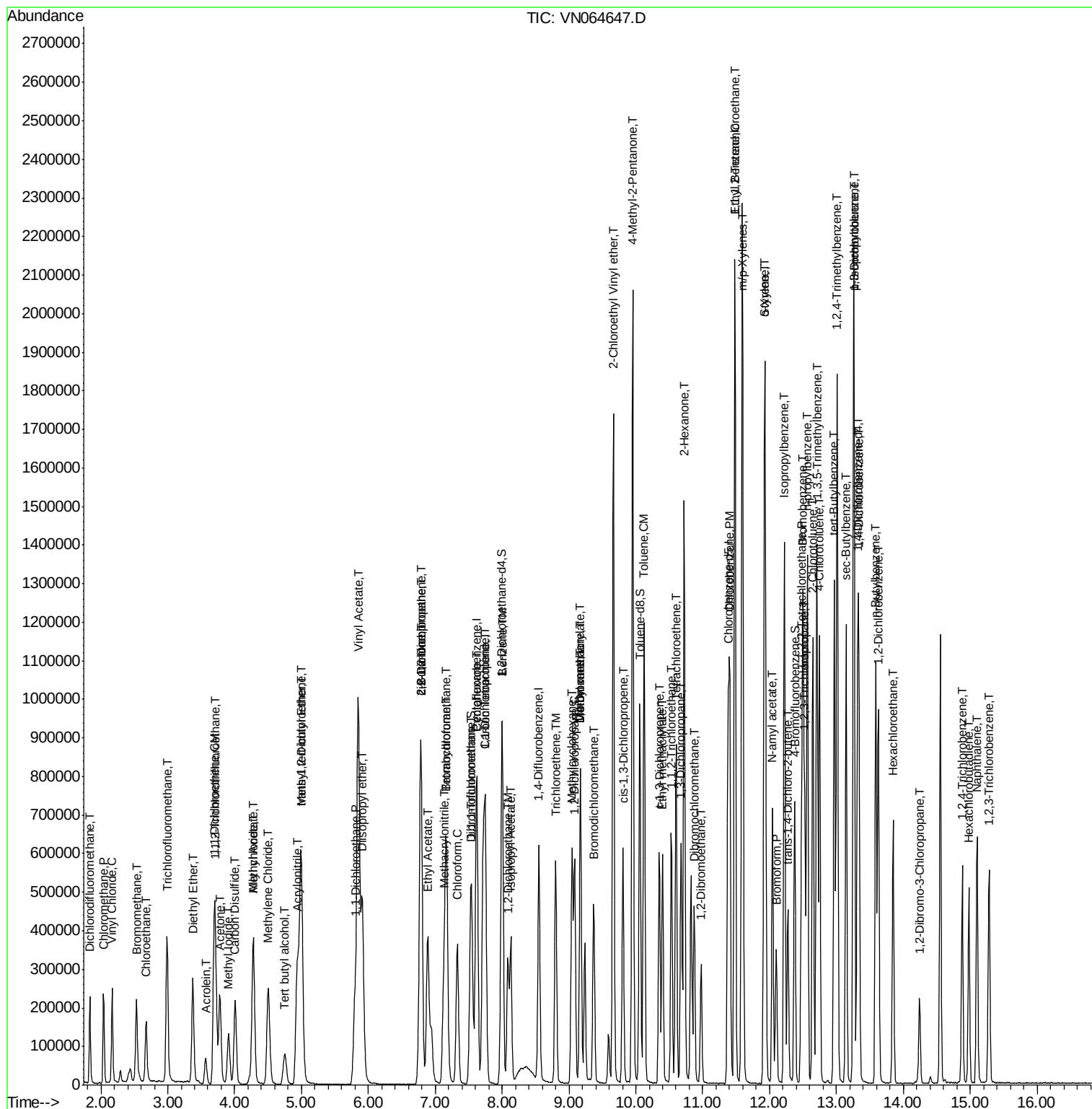
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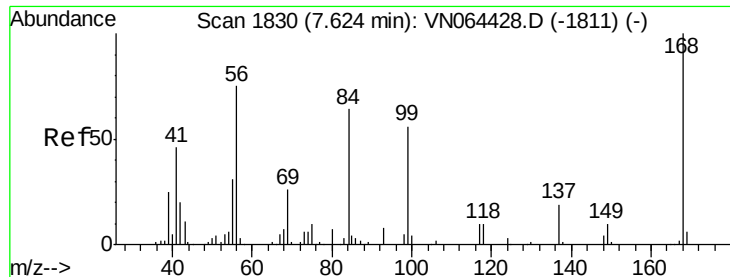
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 286832

Ion Ratio Lower Upper

168 100

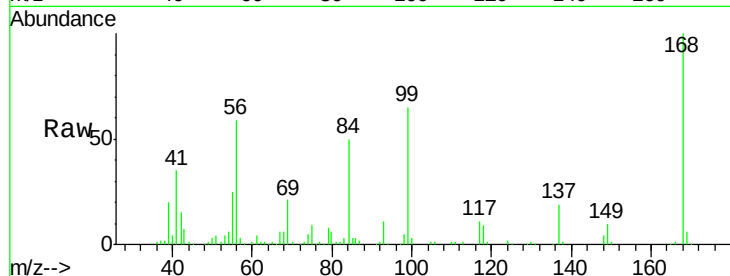
99 65.1 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

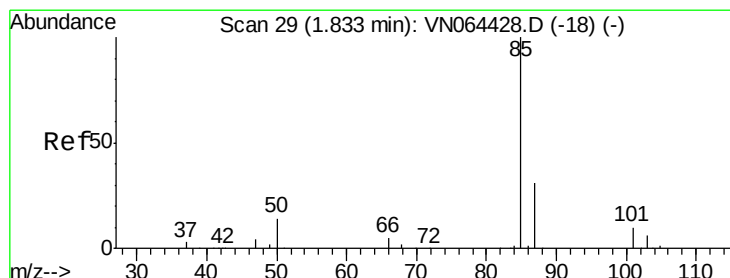
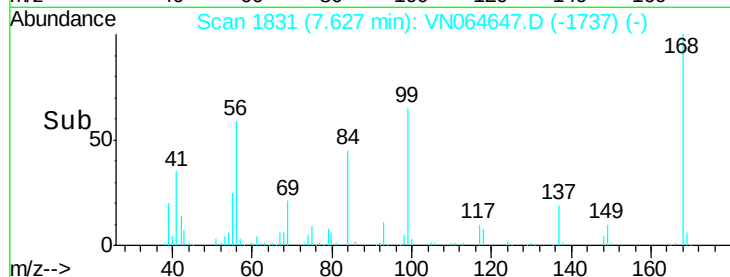
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 45.203 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064647.D

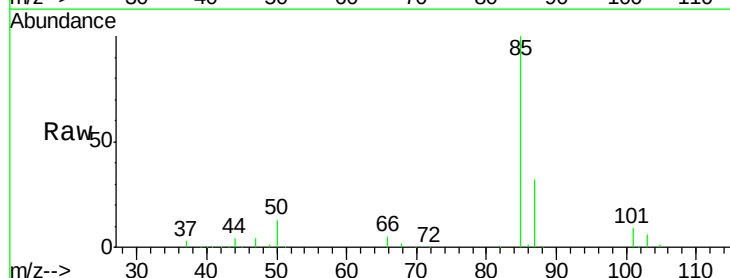
Acq: 13 Nov 2020 21:59

Tgt Ion: 85 Resp: 168781

Ion Ratio Lower Upper

85 100

87 31.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

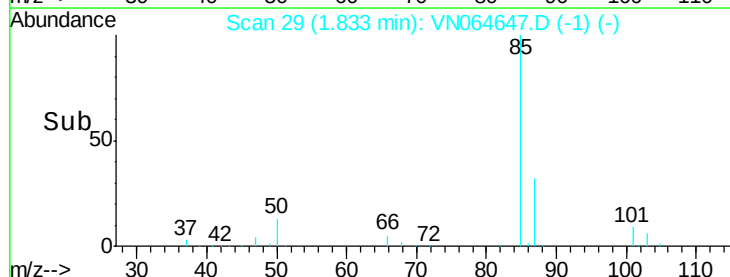
1.83

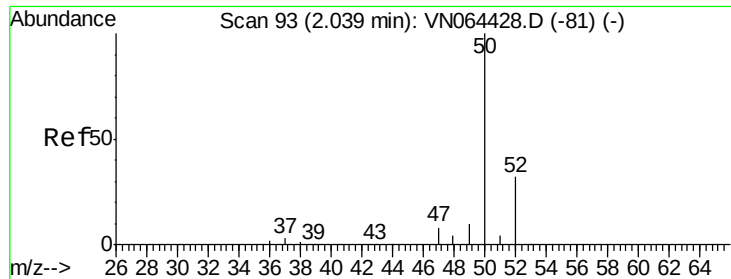
100000

50000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 42.915 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 194628

Ion Ratio Lower Upper

50 100

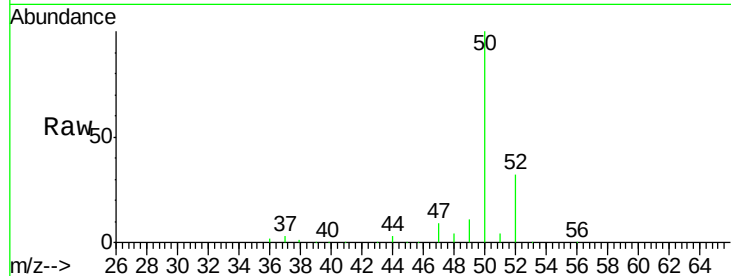
52 32.5 25.3 37.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

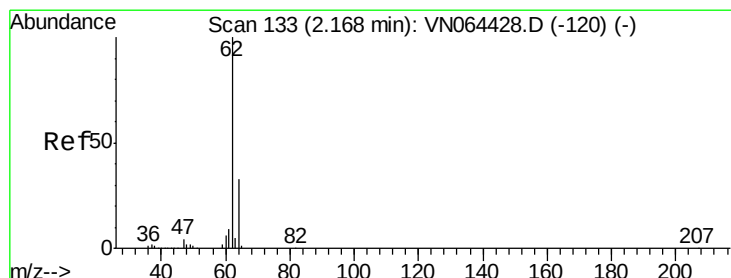
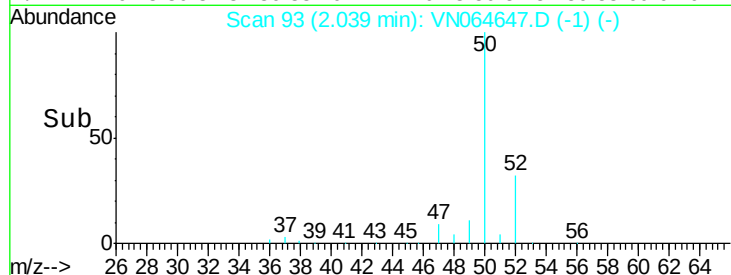
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 45.745 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064647.D

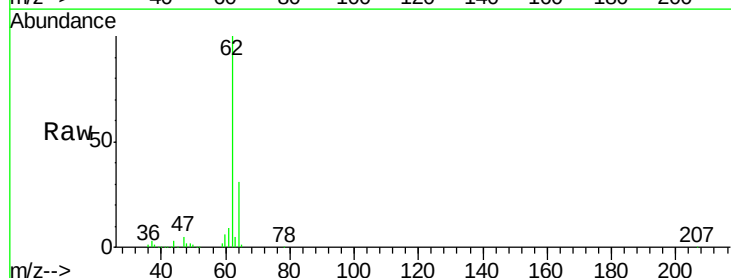
Acq: 13 Nov 2020 21:59

Tgt Ion: 62 Resp: 213047

Ion Ratio Lower Upper

62 100

64 31.4 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

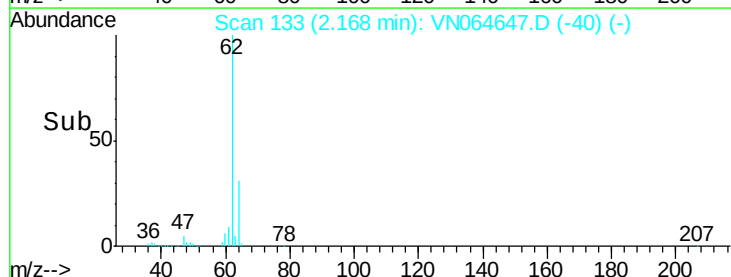
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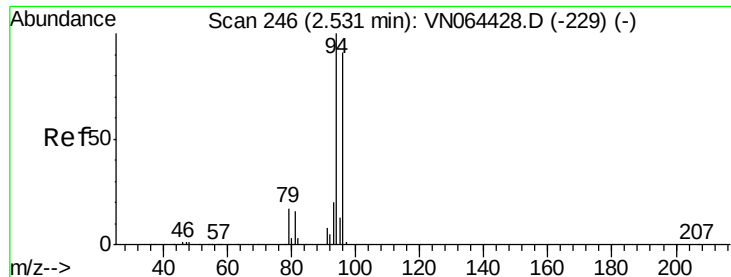
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 49.451 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 147130

Ion Ratio Lower Upper

94 100

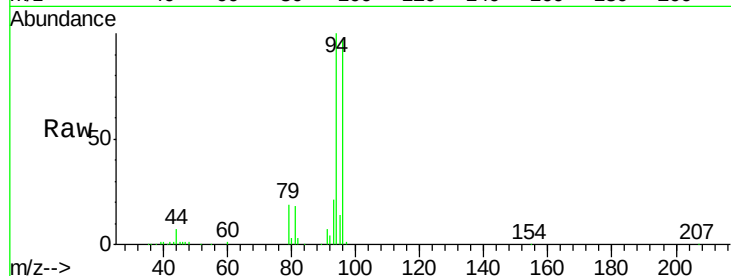
96 96.8 73.1 109.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

80000

60000

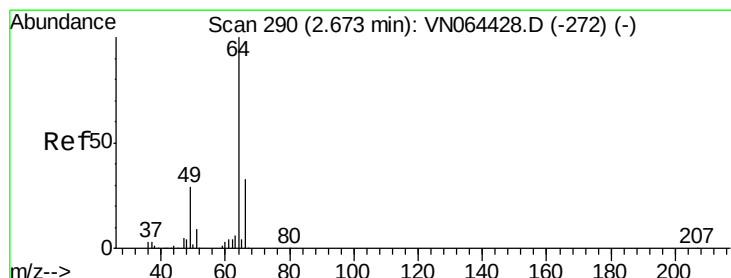
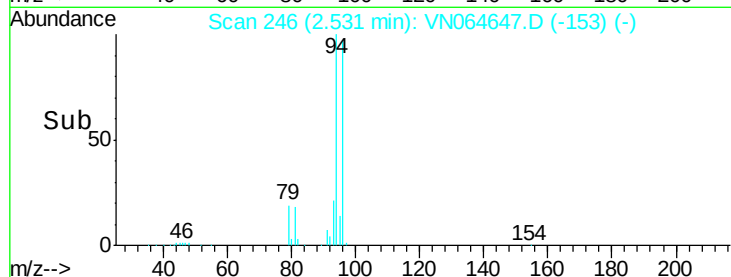
40000

20000

0

Time-->

2.50 2.60



#6

Chloroethane

Concen: 49.116 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064647.D

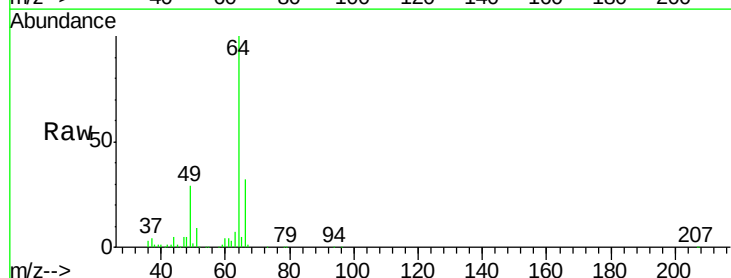
Acq: 13 Nov 2020 21:59

Tgt Ion: 64 Resp: 146452

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

80000

60000

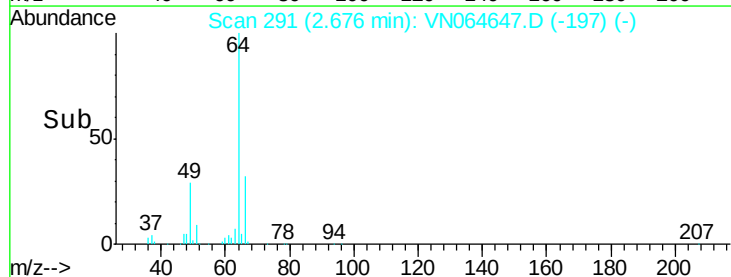
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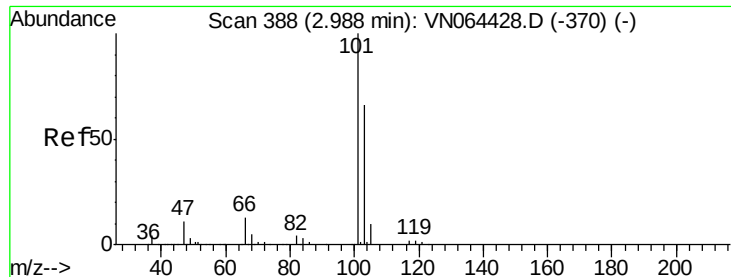
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0

Time-->

2.60 2.70 2.80





#7

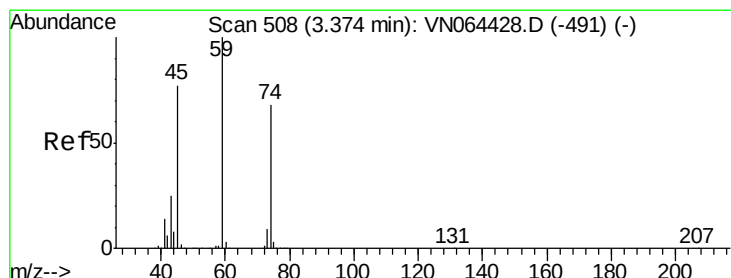
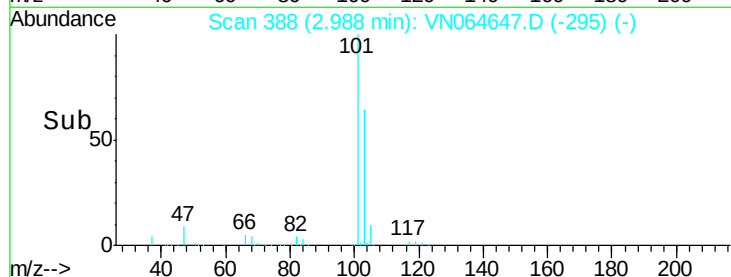
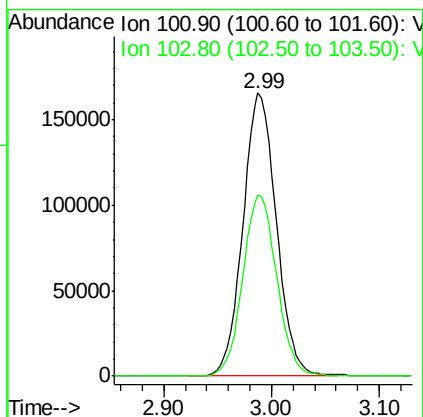
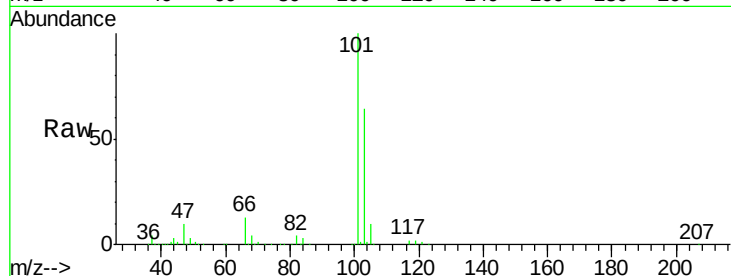
Trichlorofluoromethane
 Concen: 52.054 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.4	78.6

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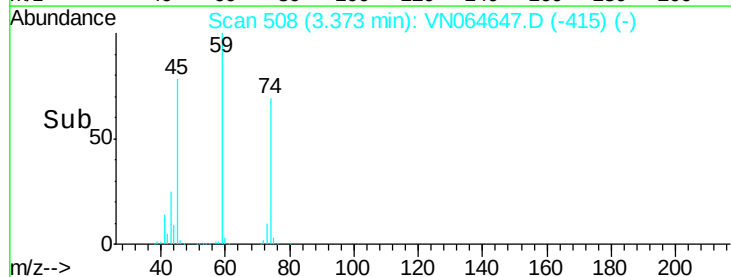
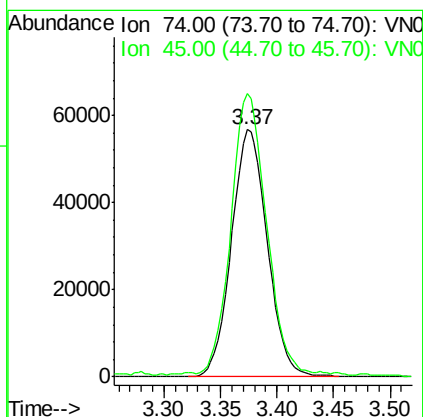
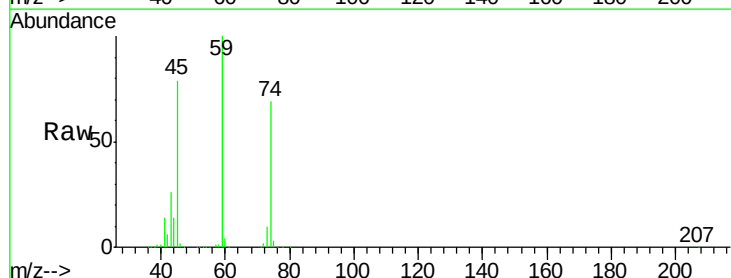
MMDadoda
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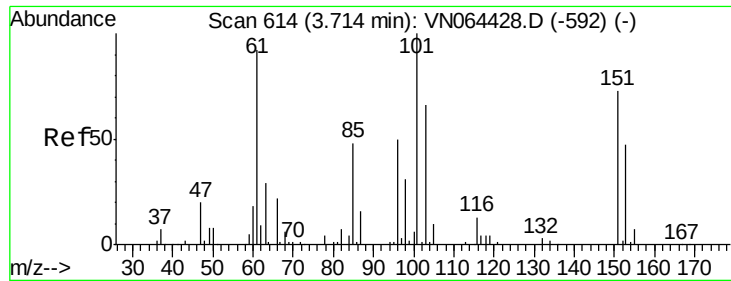


#8

Diethyl Ether
 Concen: 51.777 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.3	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.417 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064647.D

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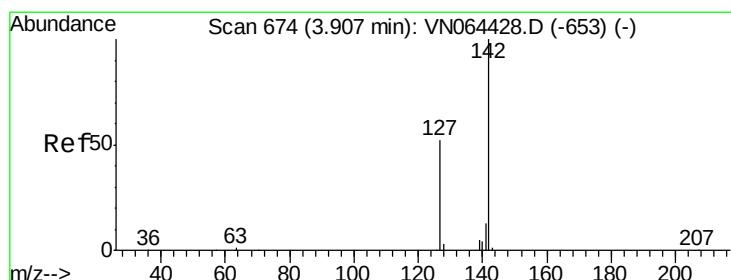
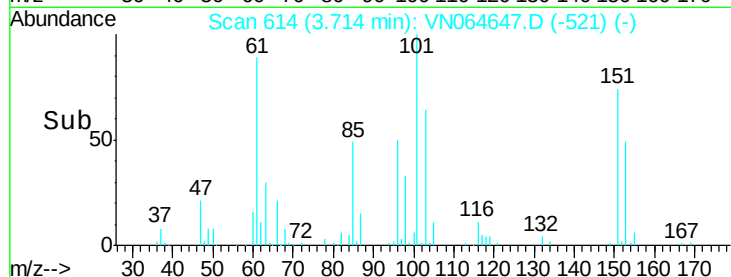
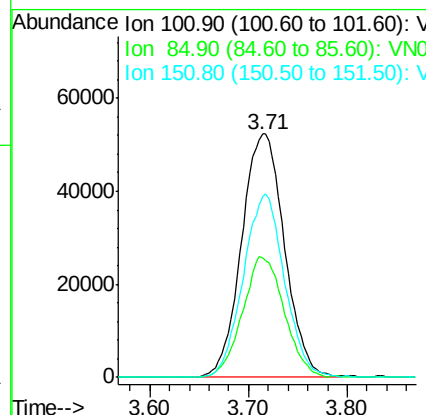
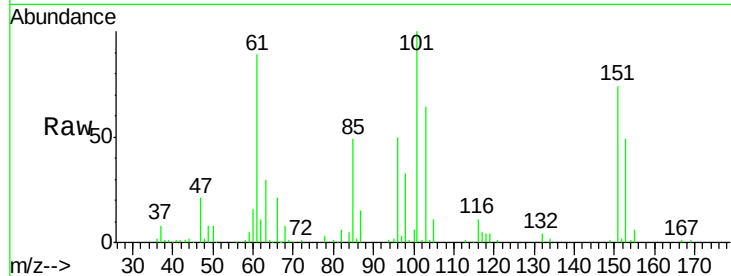
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	157675
Ion Ratio	Lower	Upper	
101	100		
85	48.3	38.6	57.8
151	72.3	57.5	86.3

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#10

Methyl Iodide

Concen: 52.263 ug/l

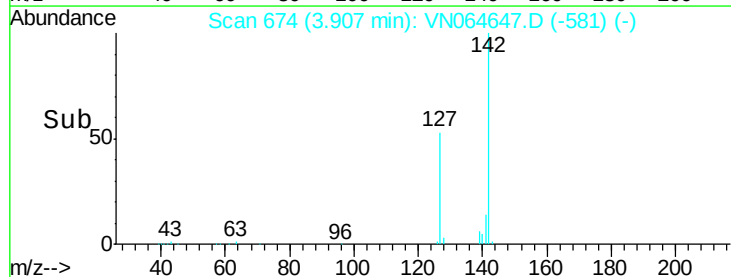
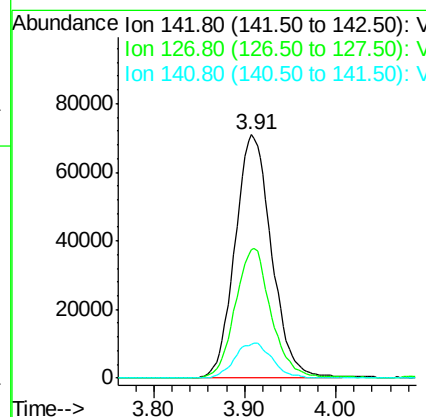
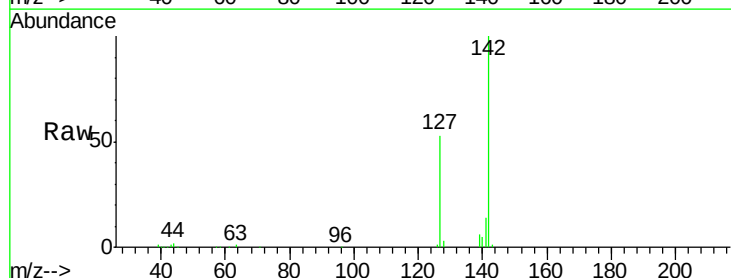
RT: 3.91 min Scan# 674

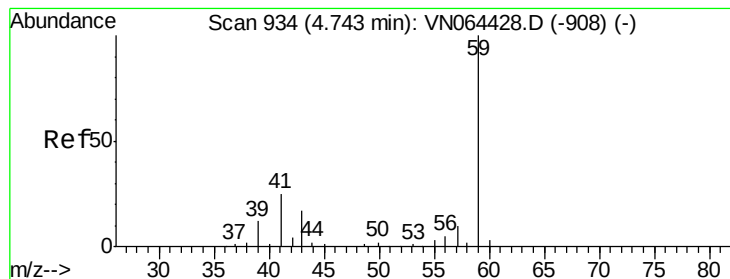
Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Tgt Ion:	142	Resp:	197768
Ion Ratio	Lower	Upper	
142	100		
127	52.7	41.8	62.8
141	14.7	11.4	17.2





#11

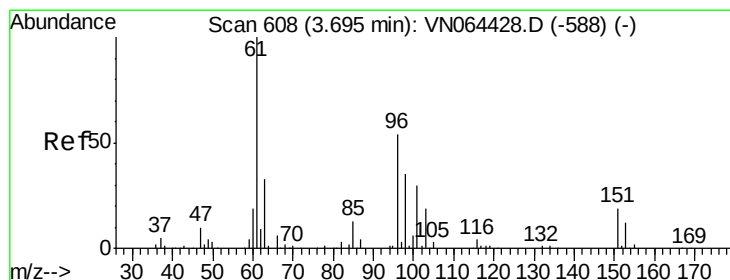
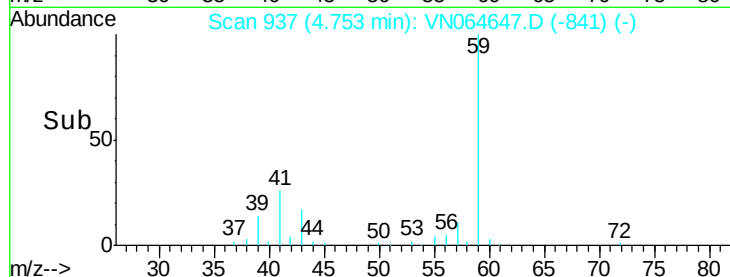
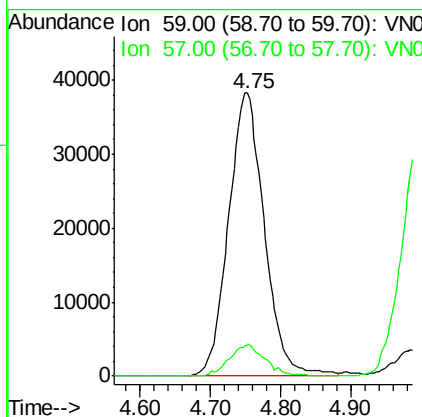
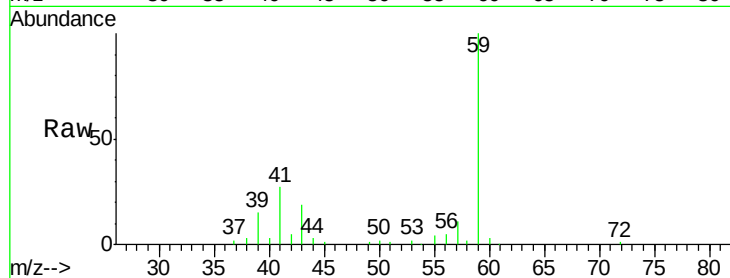
Tert butyl alcohol
 Concen: 246.296 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 135703
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.4

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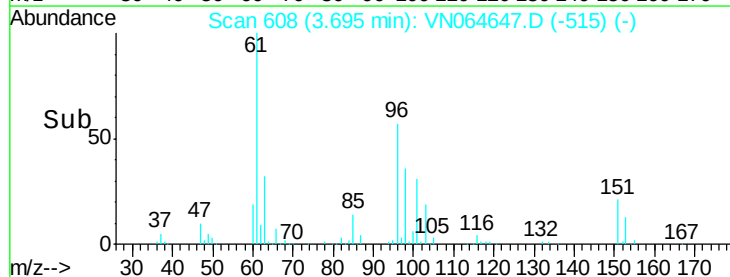
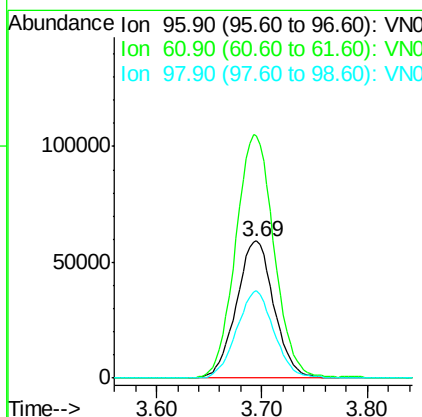
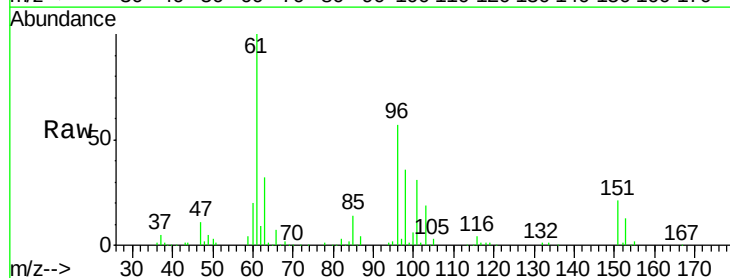
MMDadoda
 11/17/2020 6:41:54 PM

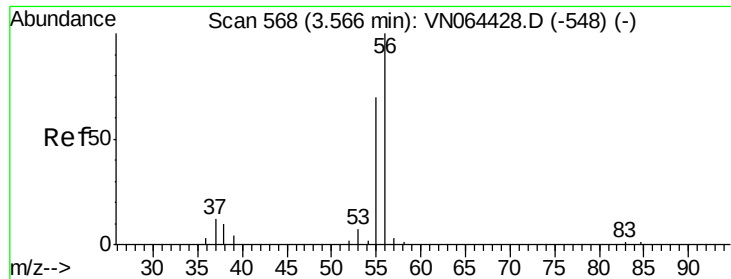


#12

1,1-Dichloroethene
 Concen: 47.852 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion: 96 Resp: 146790
 Ion Ratio Lower Upper
 96 100
 61 176.4 149.5 224.3
 98 63.9 52.4 78.6





#13

Acrolein

Concen: 211.197 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 72179

Ion Ratio Lower Upper

56 100

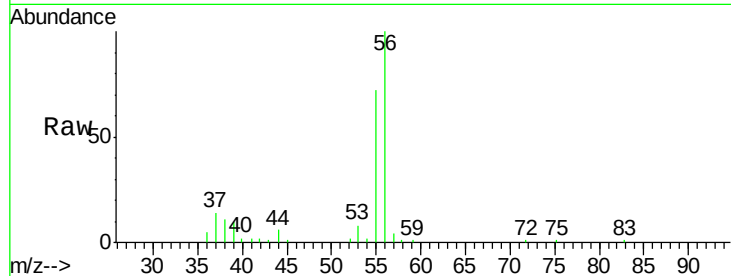
55 73.5 55.9 83.9

Manual Integrations

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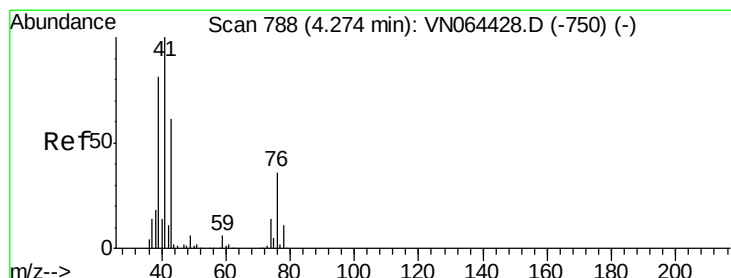
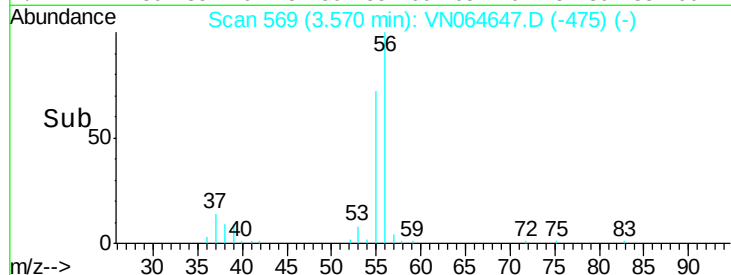
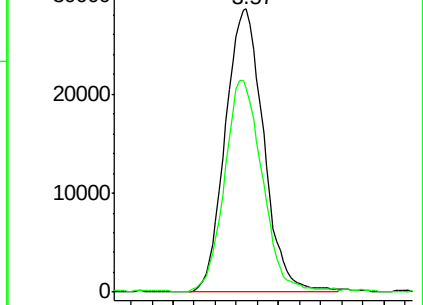
MMDadoda

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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: 45.745 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

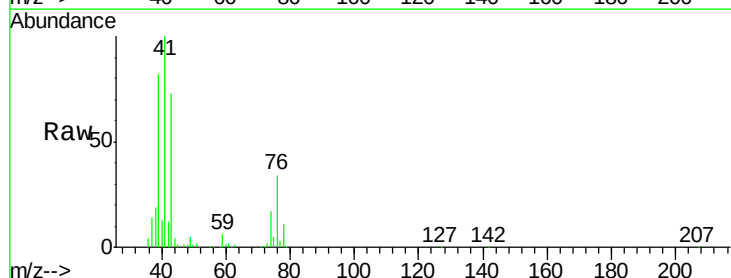
Tgt Ion: 41 Resp: 274511

Ion Ratio Lower Upper

41 100

39 78.5 61.8 92.8

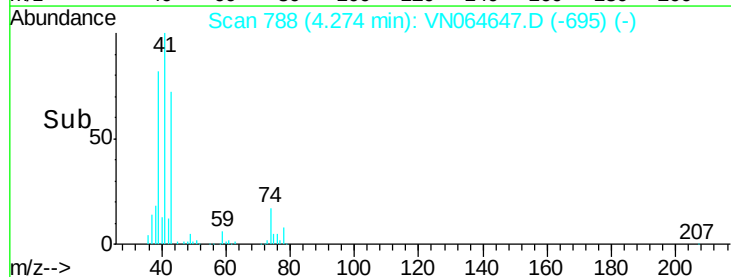
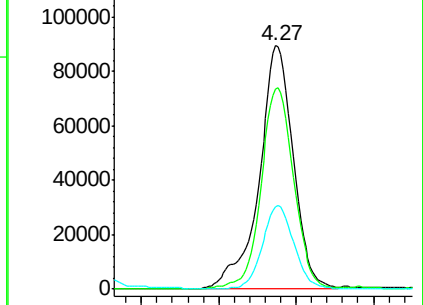
76 30.9 25.4 38.0

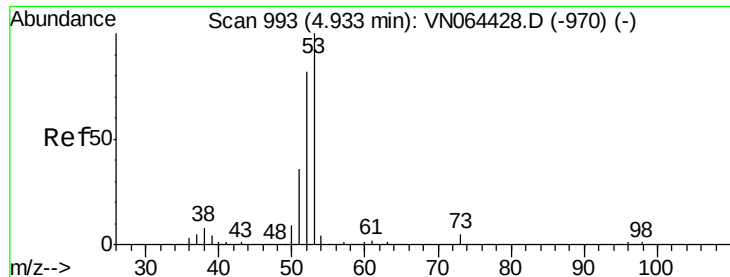


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 265.189 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

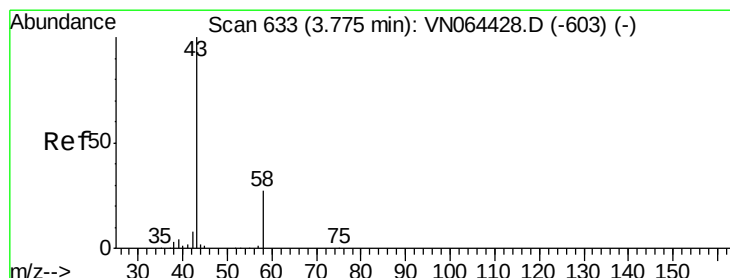
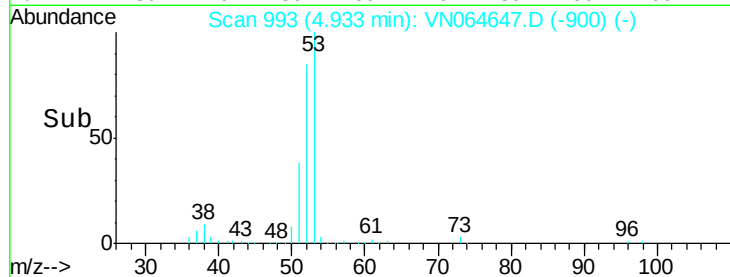
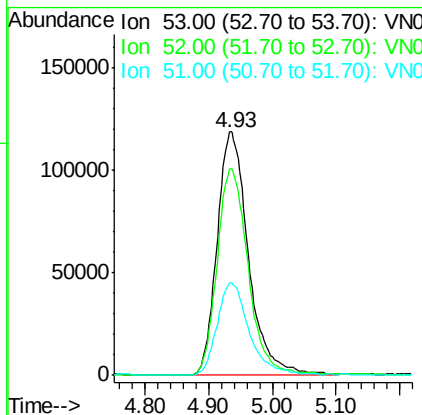
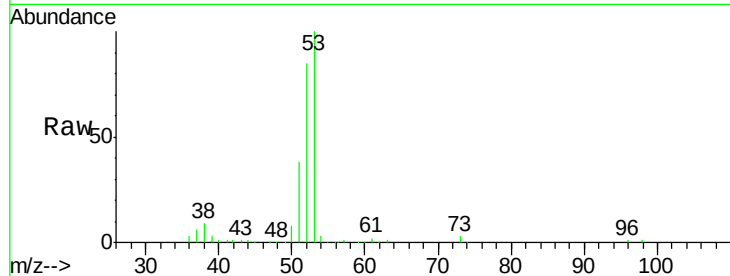
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	406794
Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.6	98.4
51	39.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 201.805 ug/l

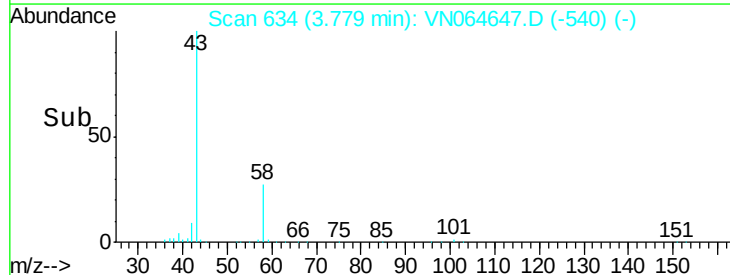
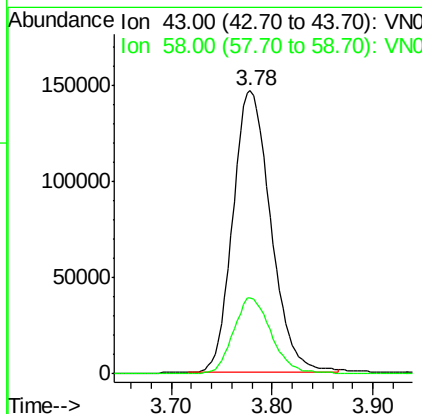
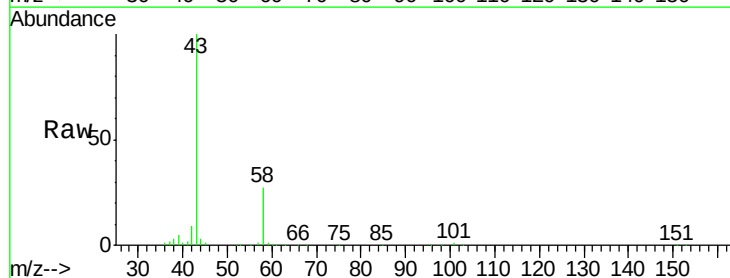
RT: 3.78 min Scan# 634

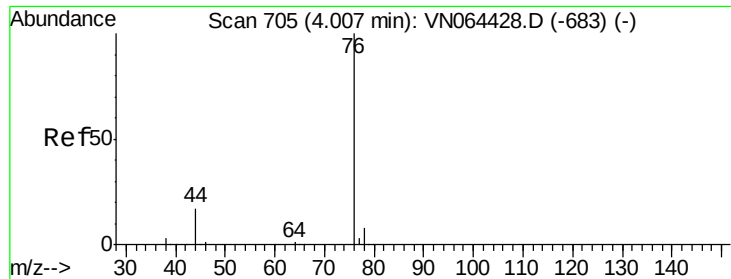
Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Tgt Ion:	43	Resp:	384062
Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.4	32.0





#17

Carbon Disulfide

Concen: 45.276 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 415343

Ion Ratio Lower Upper

76 100

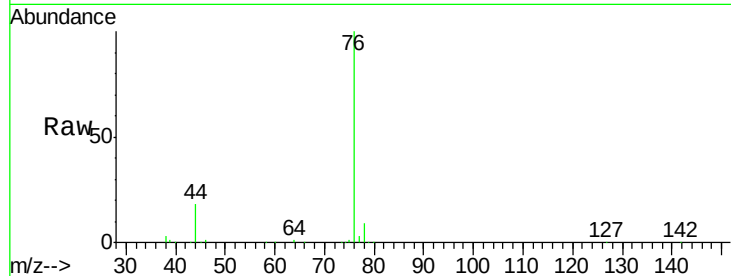
78 8.7 6.8 10.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

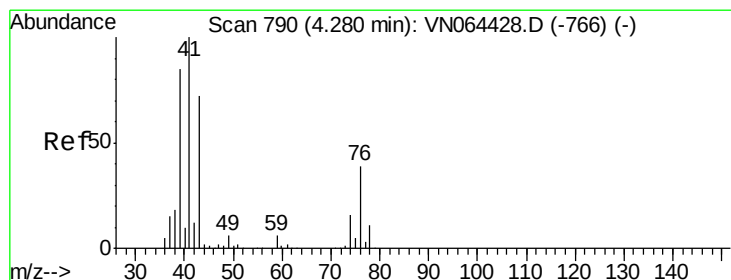
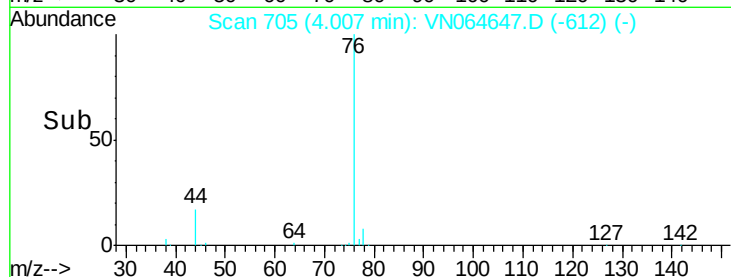
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 56.382 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064647.D

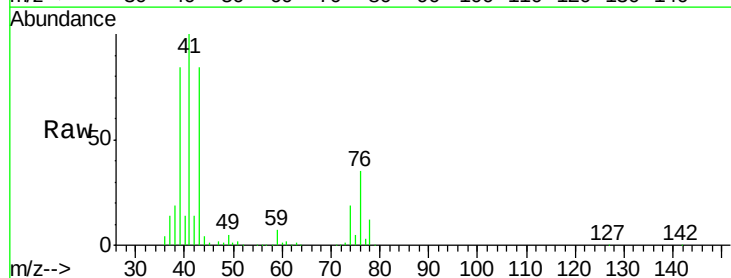
Acq: 13 Nov 2020 21:59

Tgt Ion: 43 Resp: 210953

Ion Ratio Lower Upper

43 100

74 22.0 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

80000

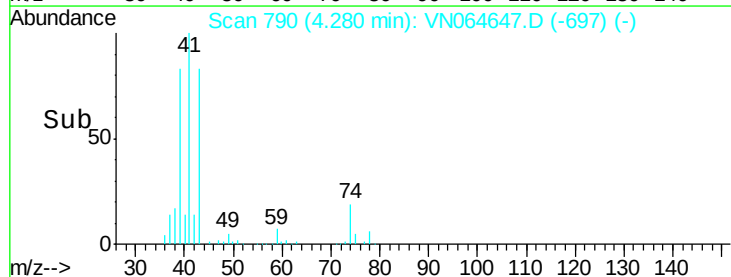
60000

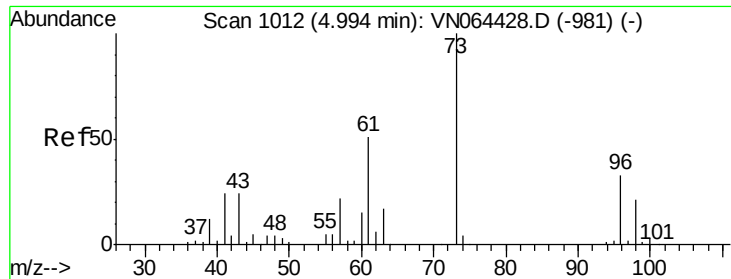
40000

20000

0

Time-->





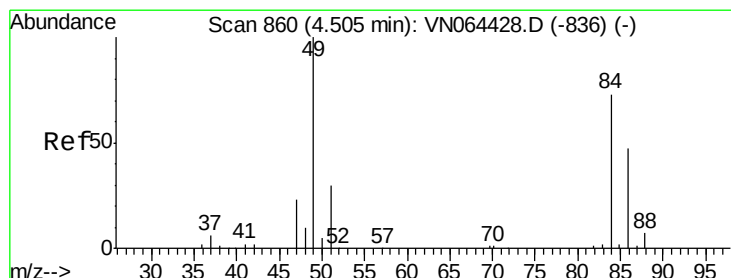
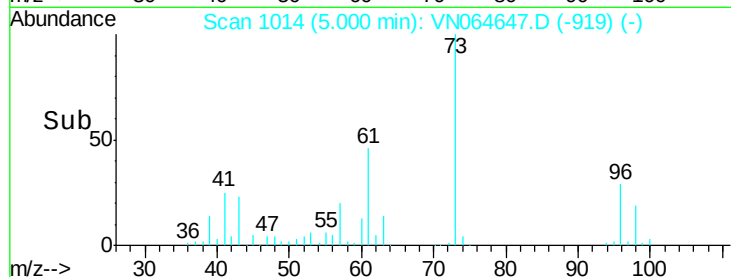
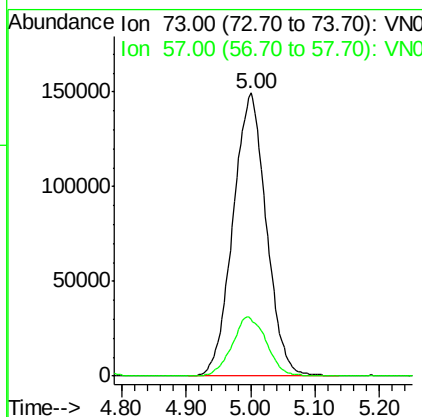
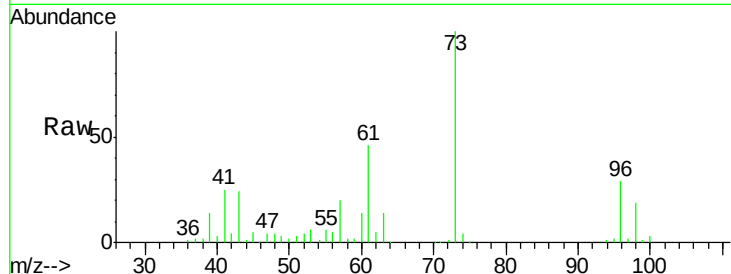
#19
Methyl tert-butyl Ether
Concen: 48.687 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 537533
Ion Ratio Lower Upper
73 100
57 20.3 17.7 26.5

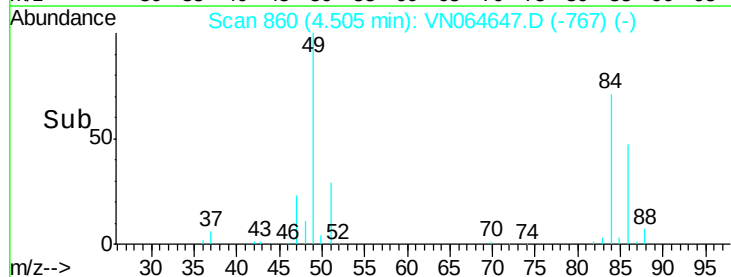
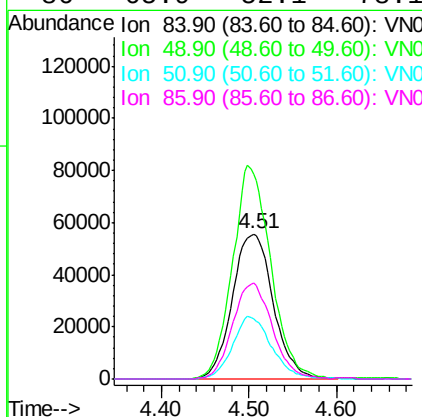
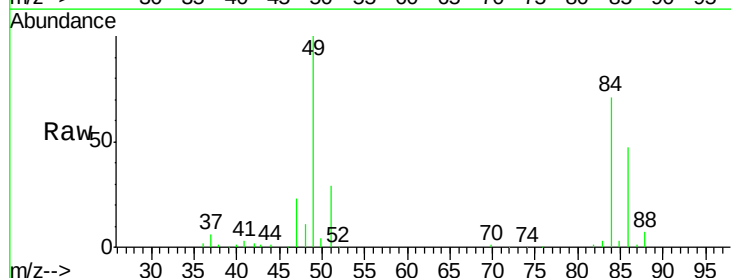
Manual Integrations
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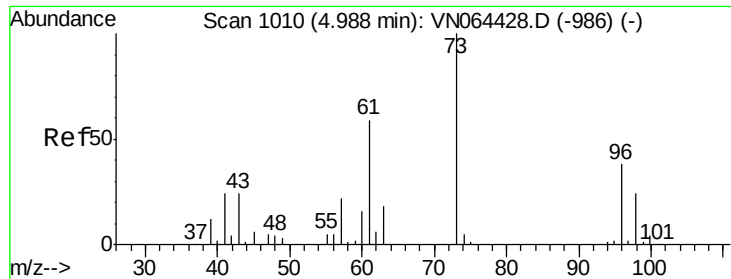
MMDadoda
11/17/2020 6:41:54 PM



#20
Methylene Chloride
Concen: 47.789 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion: 84 Resp: 180448
Ion Ratio Lower Upper
84 100
49 141.1 110.1 165.1
51 41.2 33.6 50.4
86 65.9 52.1 78.1





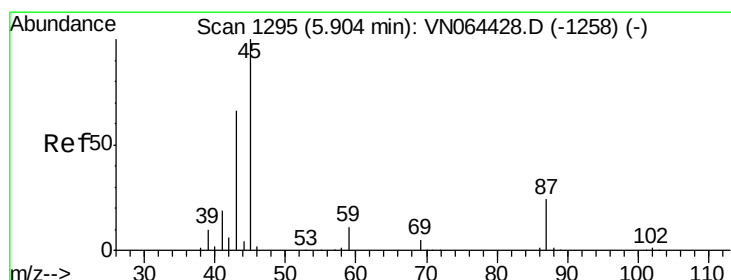
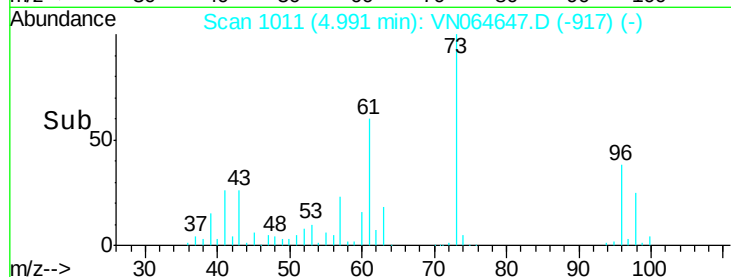
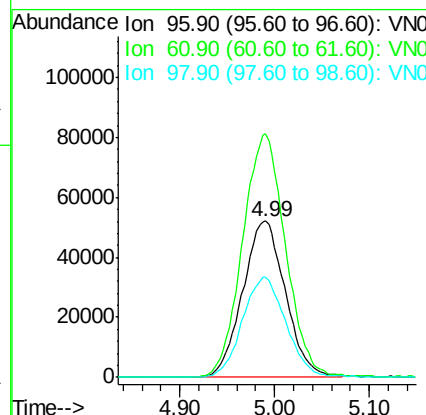
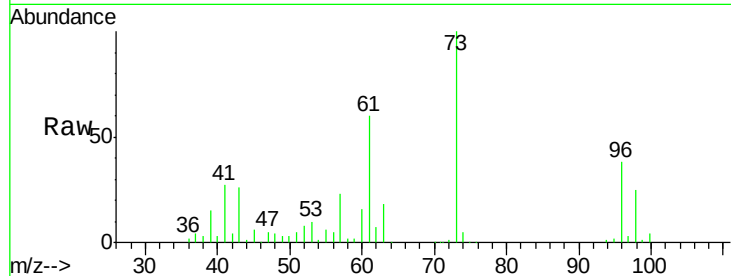
#21
trans-1,2-Dichloroethene
Concen: 47.044 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.5	122.4	183.6
98	64.2	50.4	75.6

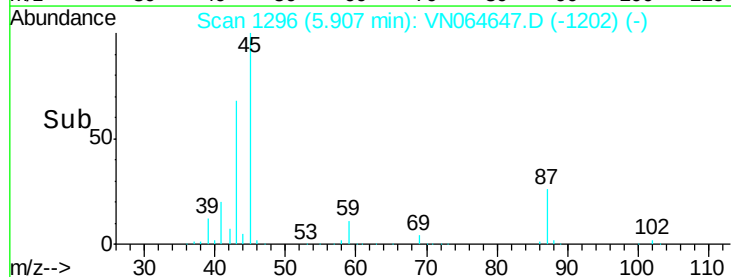
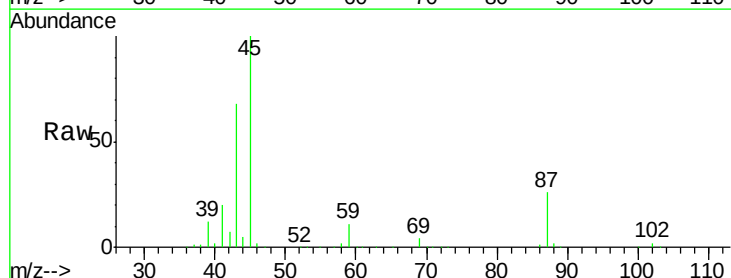
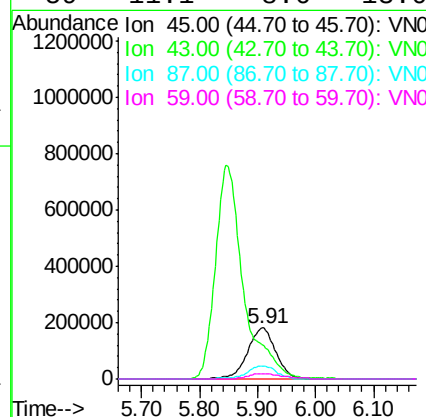
Manual Integrations
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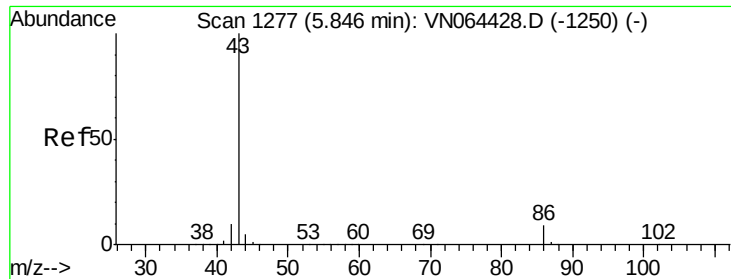
MMDadoda
11/17/2020 6:41:54 PM



#22
Diisopropyl ether
Concen: 48.442 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.3	53.2	79.8
87	25.9	19.9	29.9
59	11.1	8.6	13.0





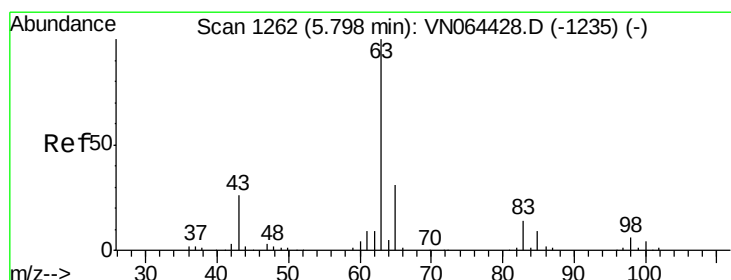
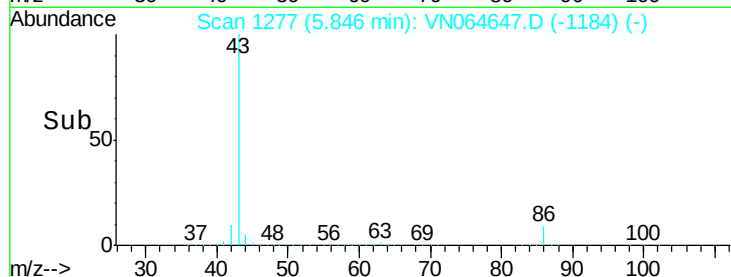
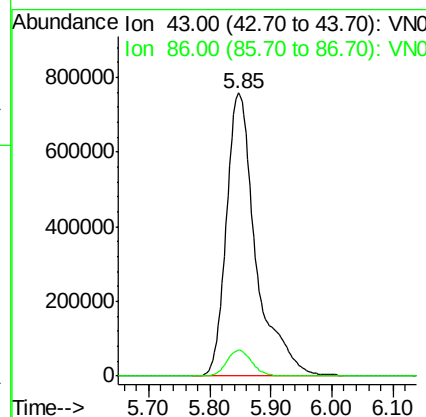
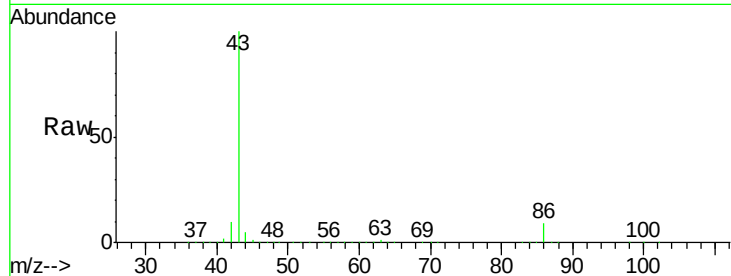
#23
 Vinyl Acetate
 Concen: 245.405 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2543017
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.8 10.2

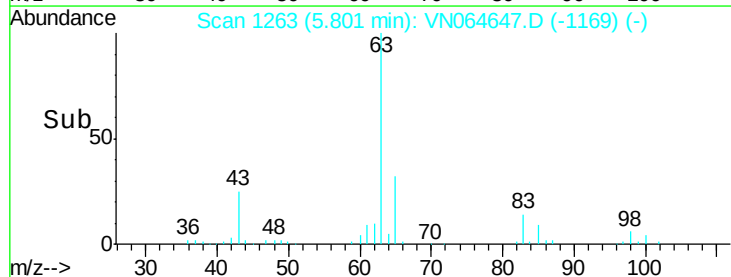
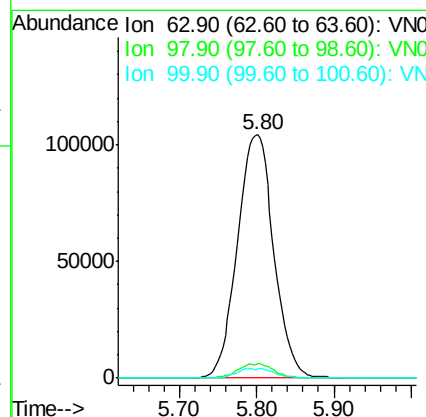
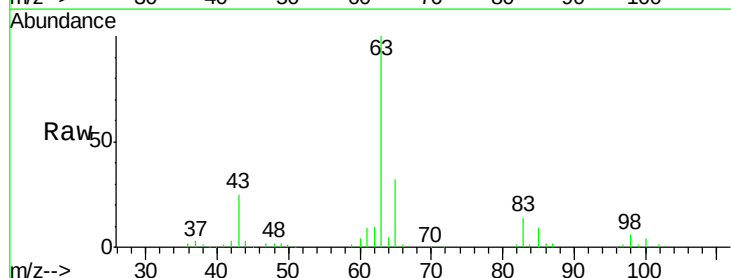
Manual Integrations
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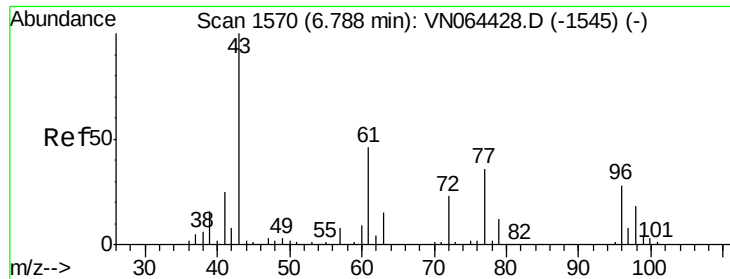
MMDadoda
 11/17/2020 6:41:54 PM



#24
 1,1-Dichloroethane
 Concen: 48.710 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion: 63 Resp: 340957
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 3.6 1.8 5.3





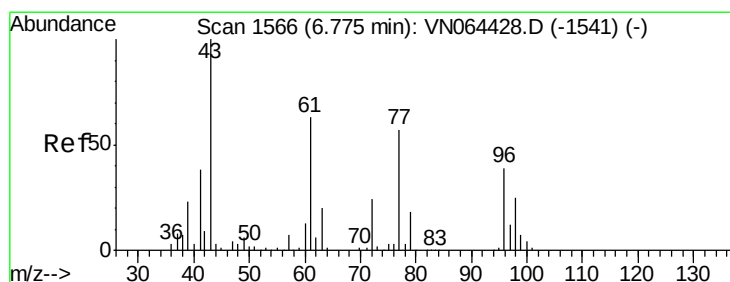
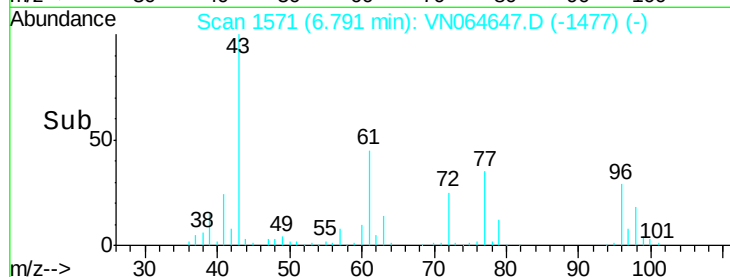
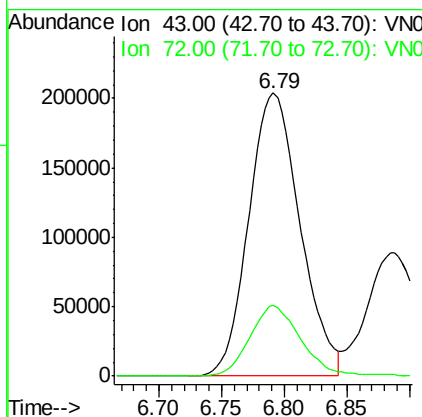
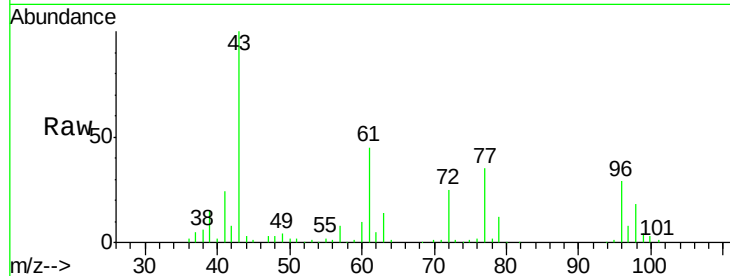
#25
2-Butanone
Concen: 238.719 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 578861
Ion Ratio Lower Upper
43 100
72 25.1 18.5 27.7

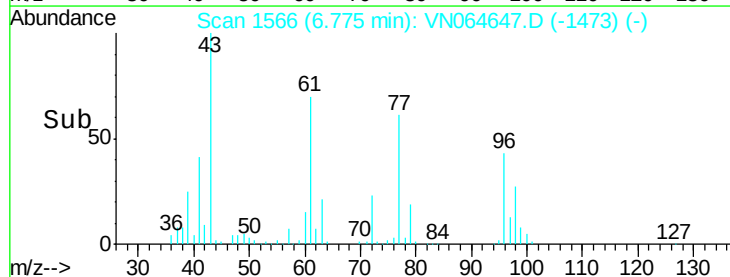
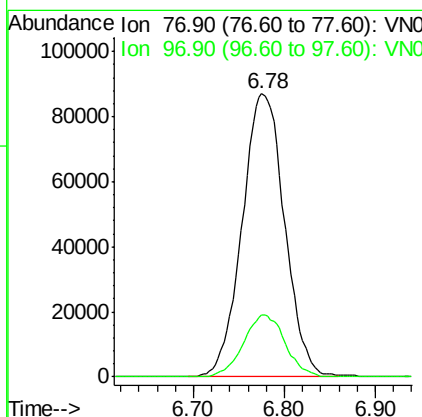
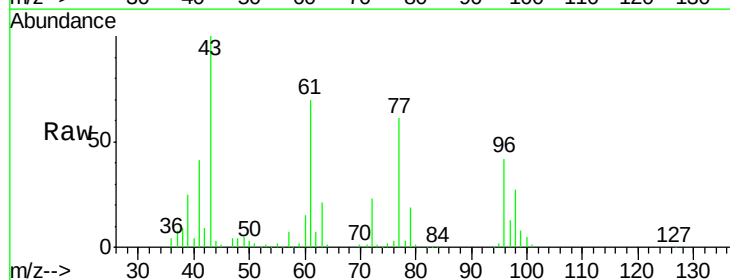
Manual Integrations
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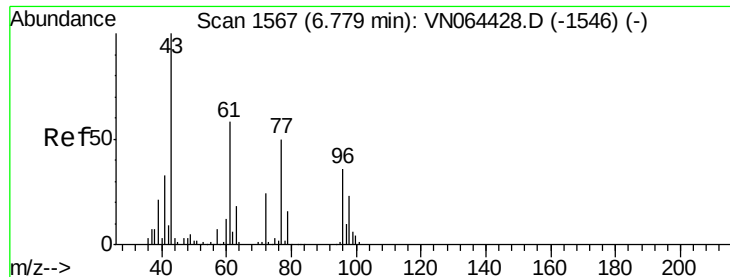
MMDadoda
11/17/2020 6:41:54 PM



#26
2,2-Dichloropropane
Concen: 44.426 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion: 77 Resp: 281505
Ion Ratio Lower Upper
77 100
97 21.5 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 47.621 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

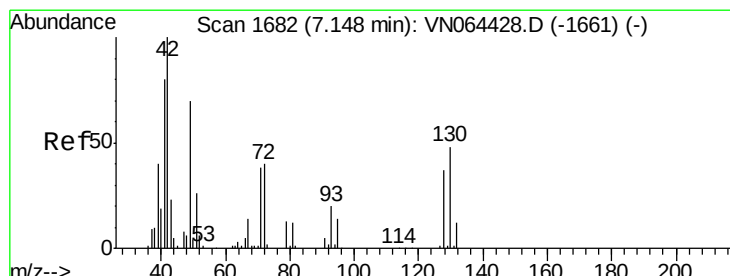
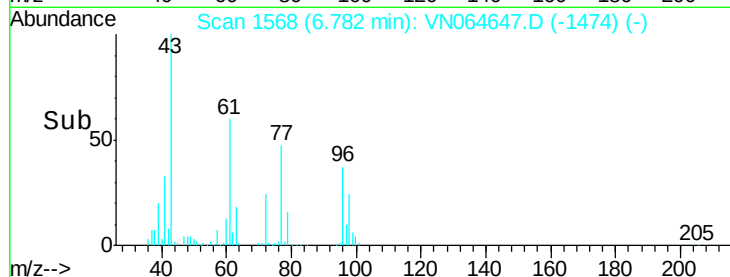
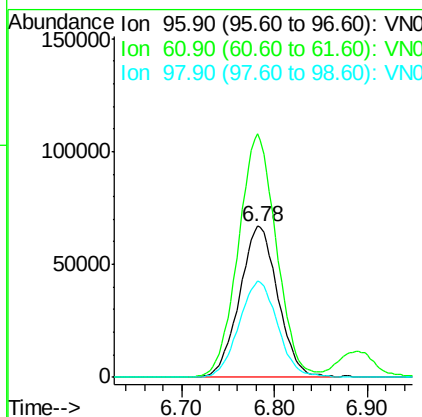
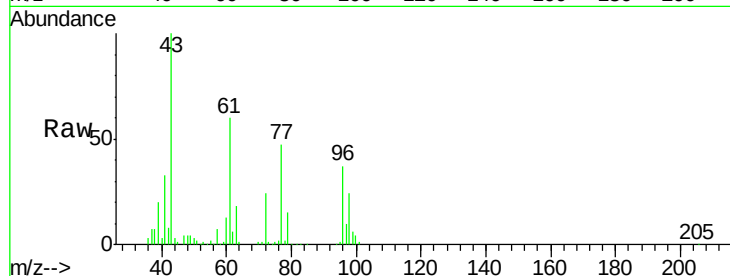
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	192197
Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	329.6
98	64.4	0.0	131.2

Manual Integrations
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11/17/2020 6:41:54 PM



#28

Bromochloromethane

Concen: 46.567 ug/l

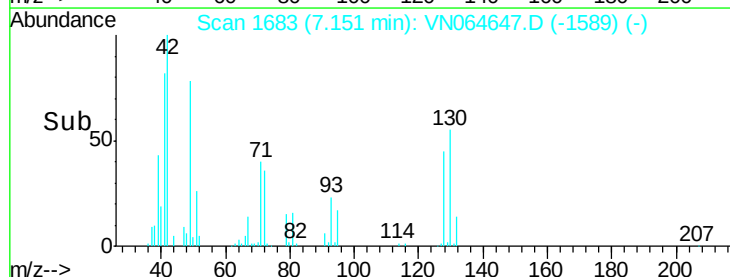
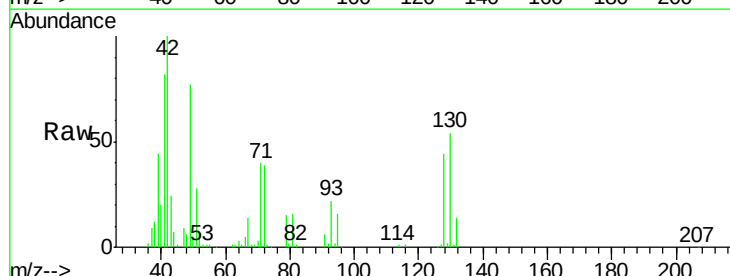
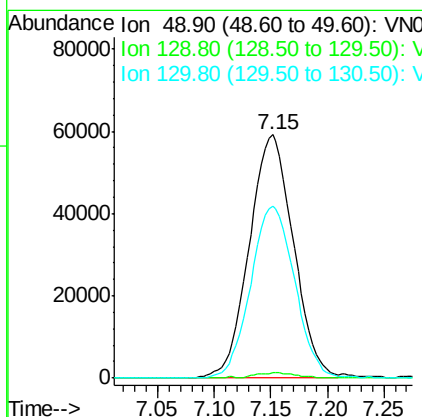
RT: 7.15 min Scan# 1683

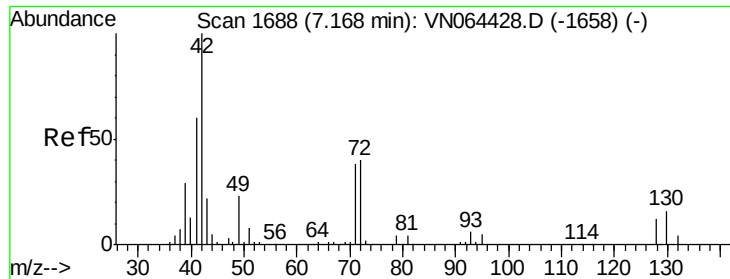
Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Tgt Ion:	49	Resp:	160219
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	70.8	54.2	81.4





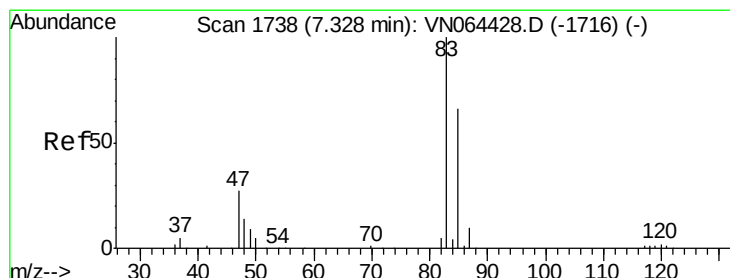
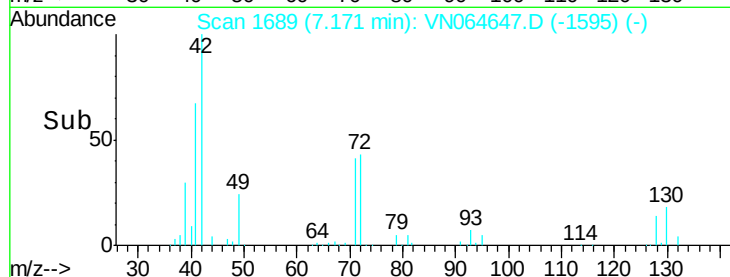
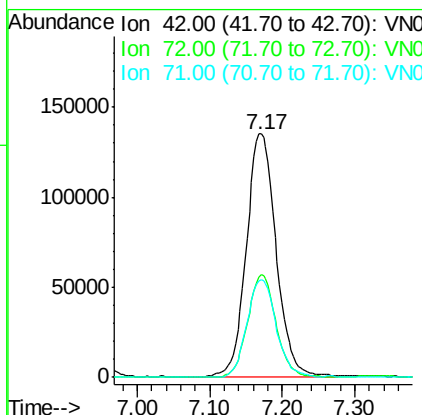
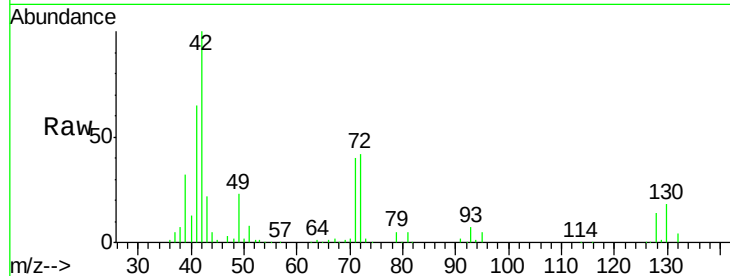
#29
Tetrahydrofuran
Concen: 259.942 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.7	47.5
71	39.5	29.8	44.6

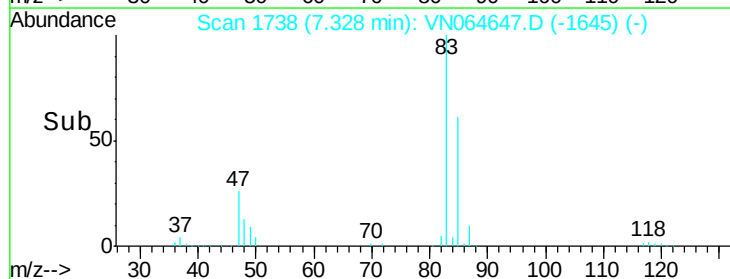
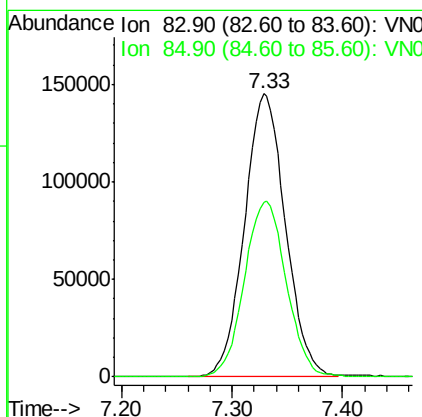
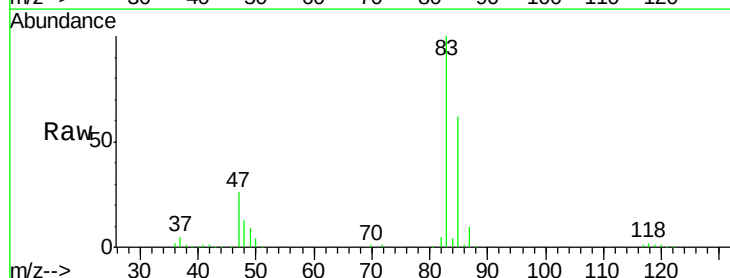
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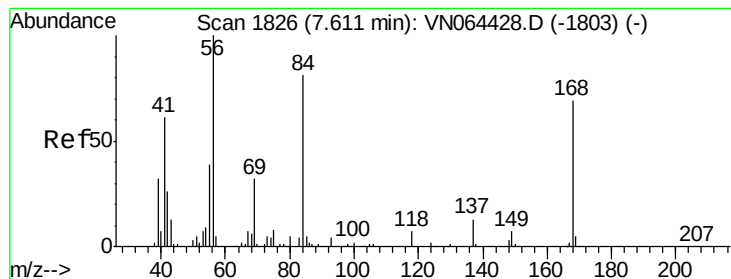
MMDadoda
11/17/2020 6:41:54 PM



#30
Chloroform
Concen: 50.792 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.5	78.7





#31

Cyclohexane

Concen: 42.596 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

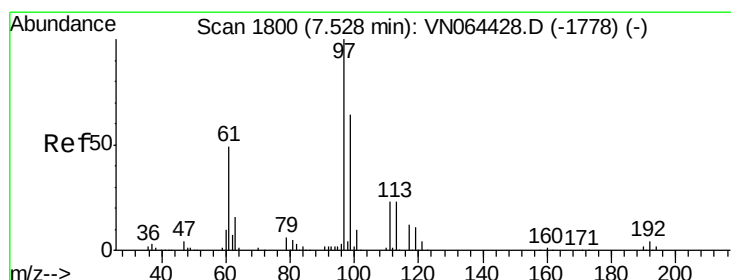
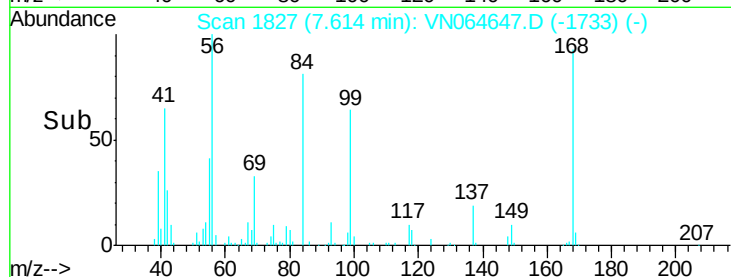
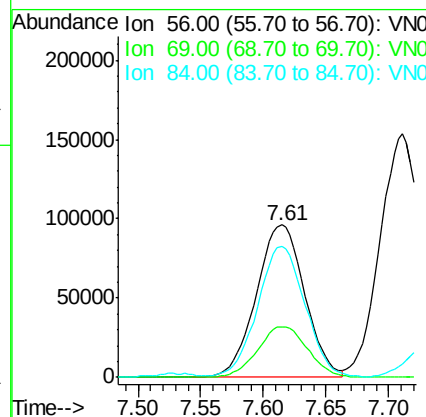
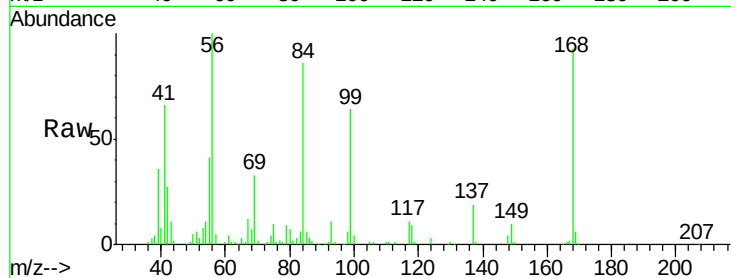
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	258704
Ion Ratio	Lower	Upper	
56	100		
69	33.0	25.6	38.4
84	84.0	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.153 ug/l

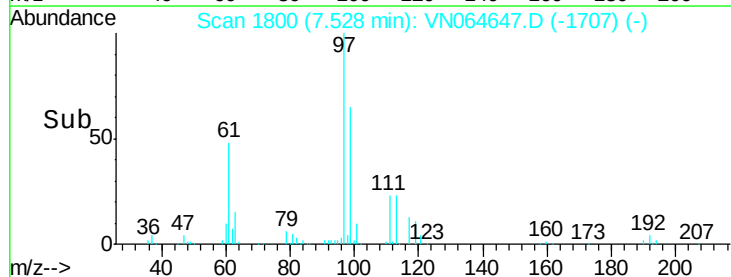
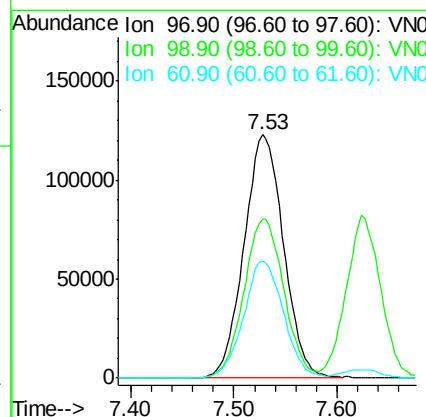
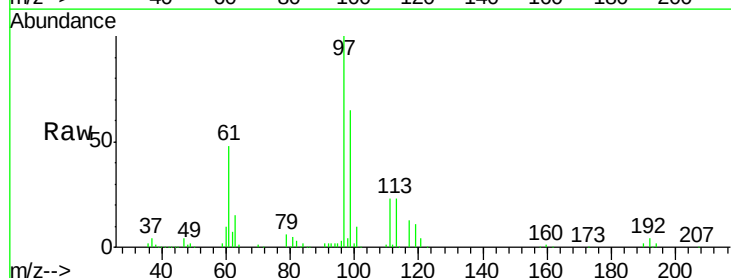
RT: 7.53 min Scan# 1800

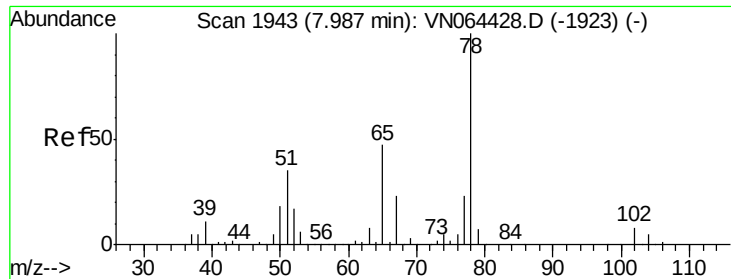
Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Tgt Ion:	97	Resp:	327298
Ion Ratio	Lower	Upper	
97	100		
99	66.1	51.3	76.9
61	48.6	39.1	58.7





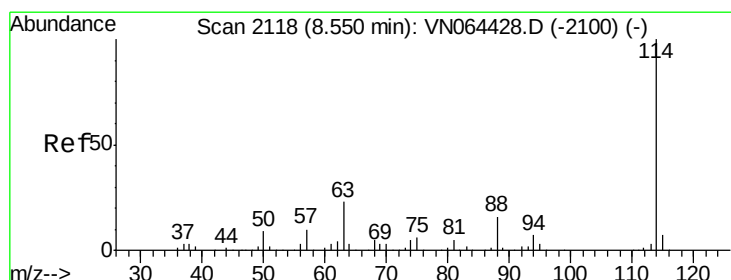
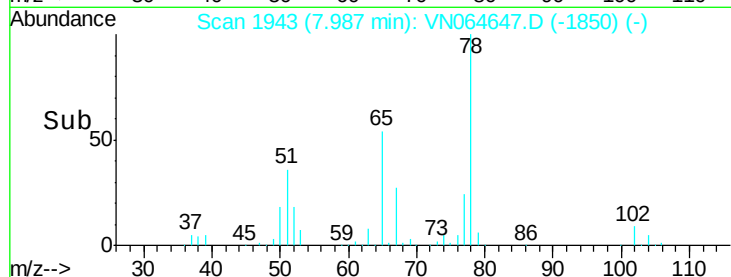
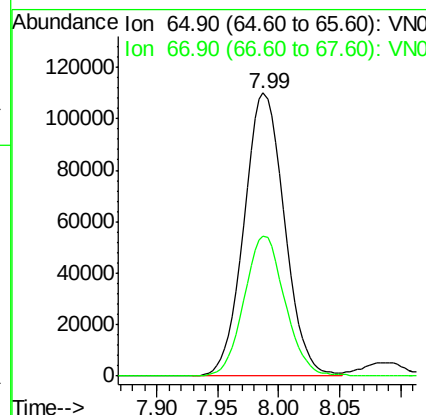
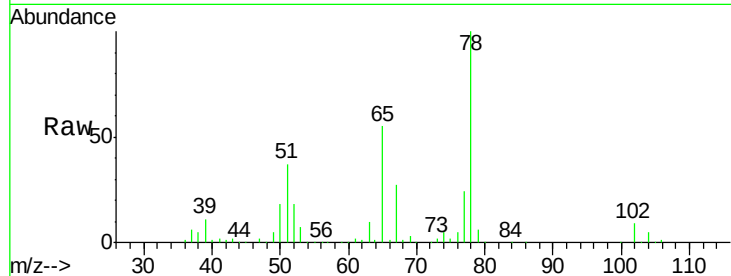
#33
 1,2-Dichloroethane-d4
 Concen: 50.640 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 253004
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.6

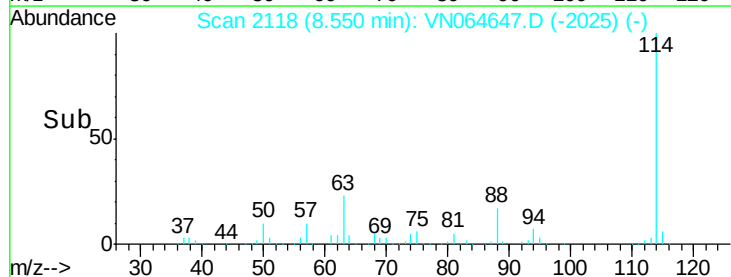
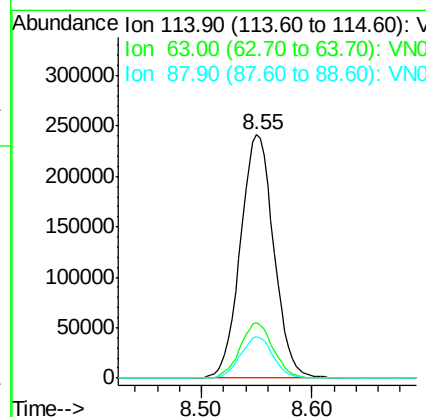
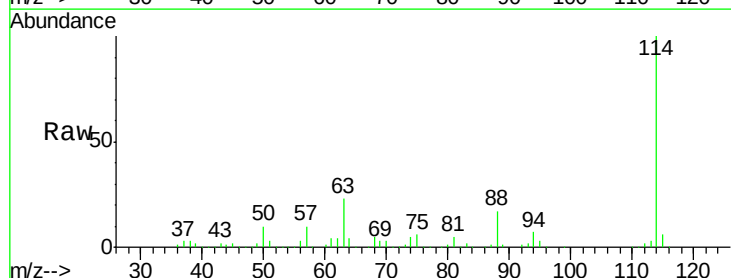
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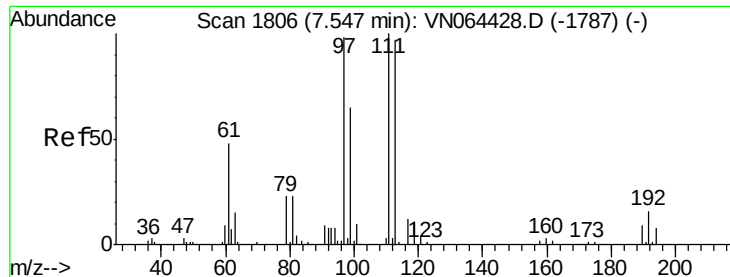
MMDadoda
 11/17/2020 6:41:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion: 114 Resp: 505272
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.9 0.0 32.8





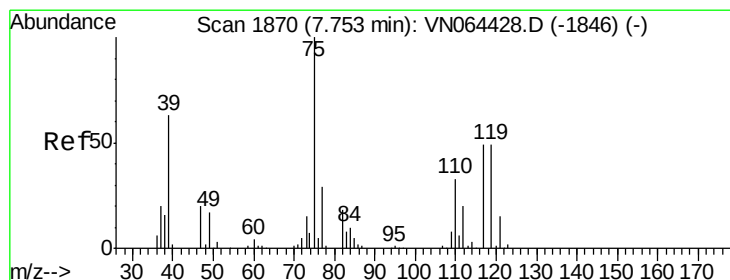
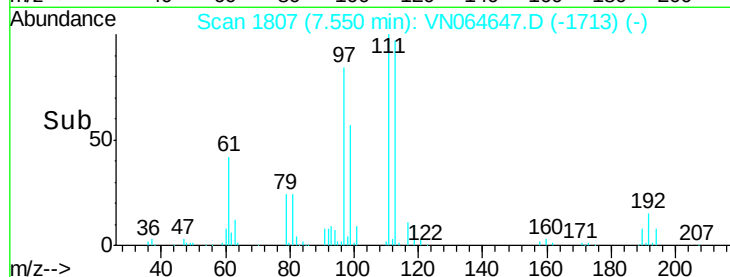
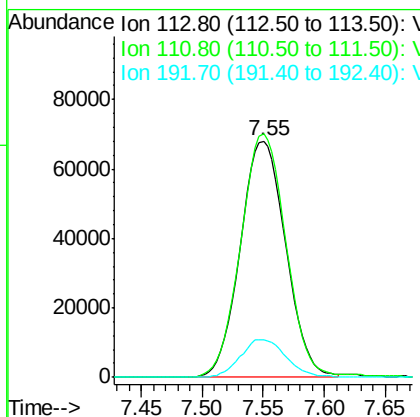
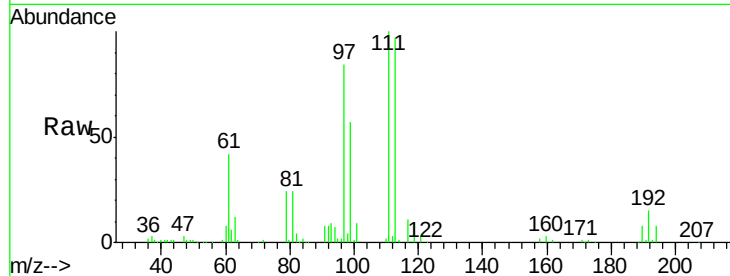
#35
 Dibromofluoromethane
 Concen: 51.067 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175680		
111	103.4	81.1	121.7	
192	16.0	12.8	19.2	

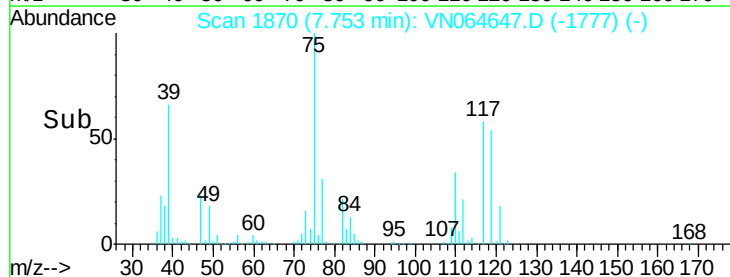
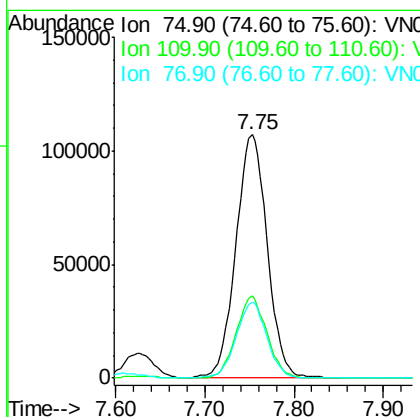
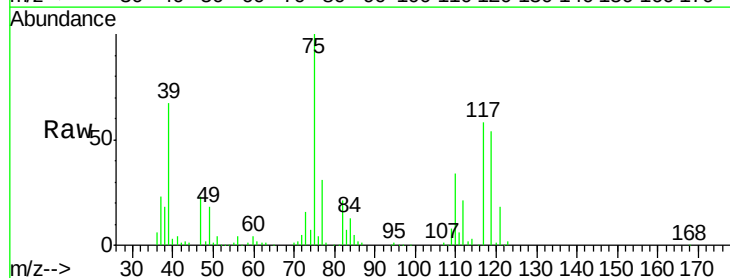
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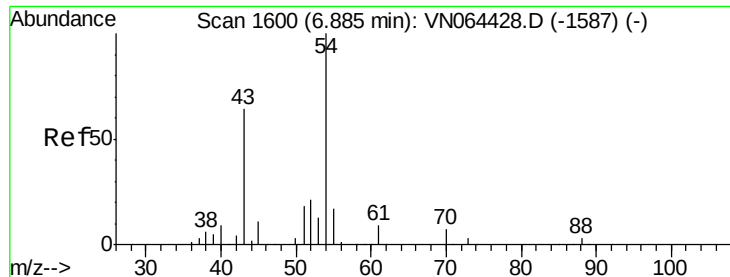
MMDadoda
 11/17/2020 6:41:54 PM



#36
 1,1-Dichloropropene
 Concen: 48.773 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	260344		
110	33.2	16.0	48.0	
77	30.9	24.0	36.0	





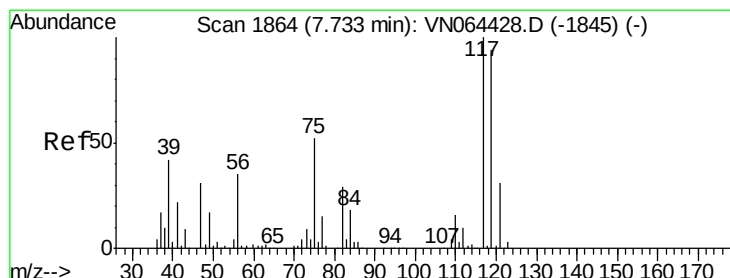
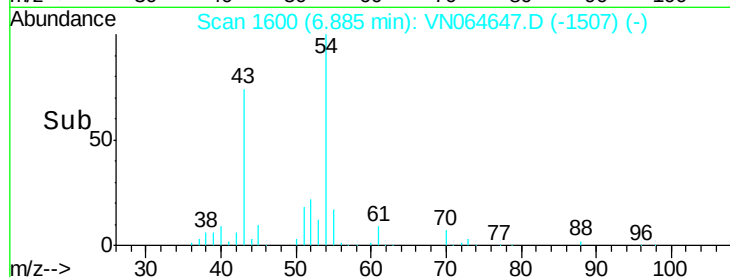
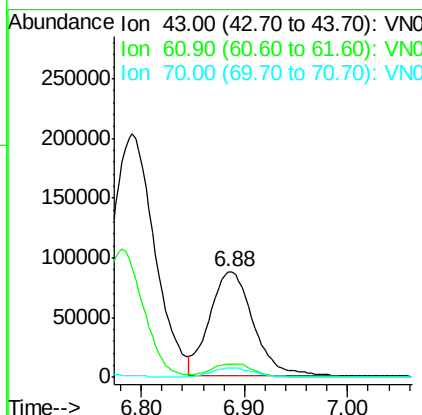
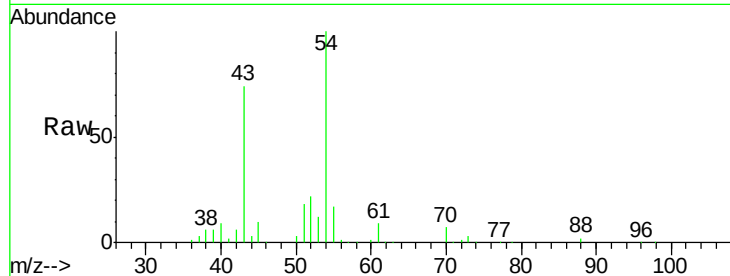
#37
Ethyl Acetate
Concen: 47.589 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.0	15.0
70	9.0	7.1	10.7

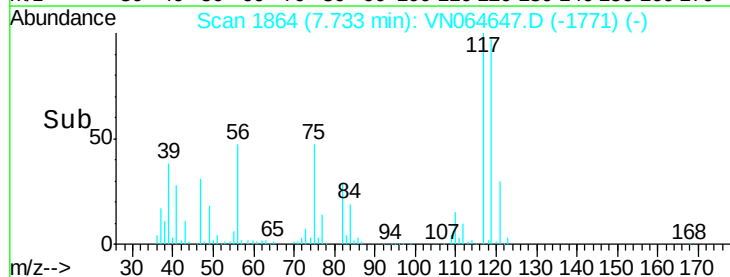
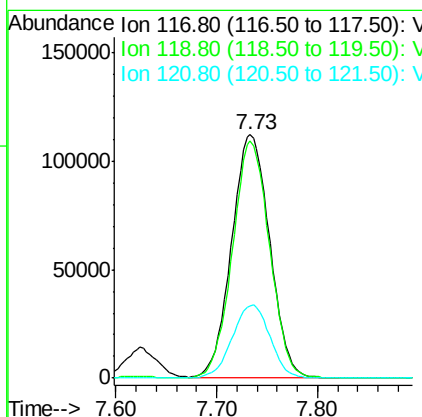
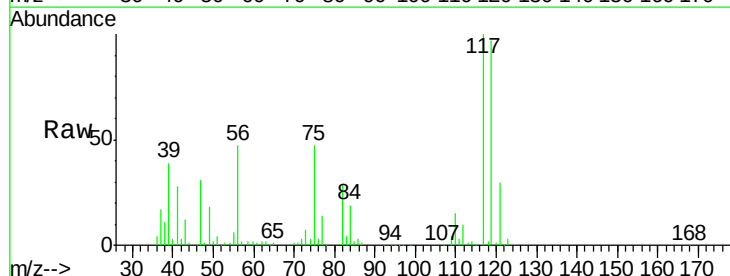
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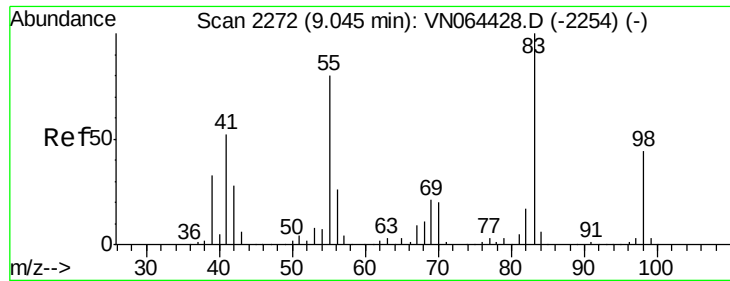
MMDadoda
11/17/2020 6:41:54 PM



#38
Carbon Tetrachloride
Concen: 51.401 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.5	113.3
121	29.8	24.4	36.6





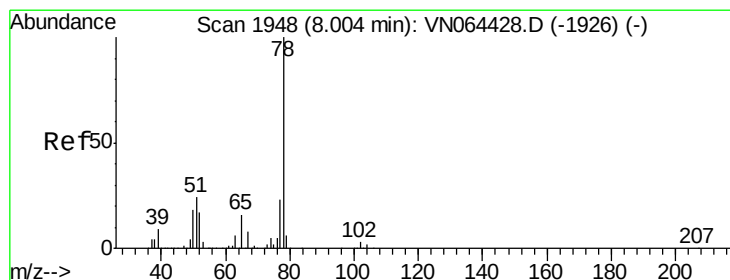
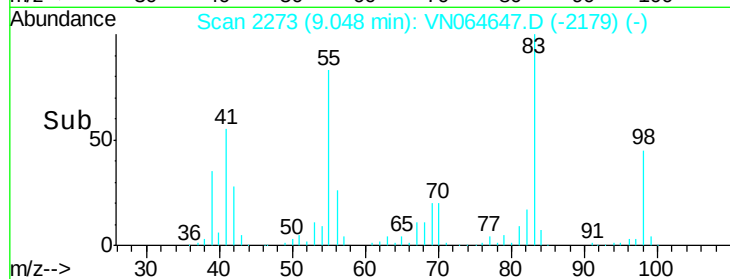
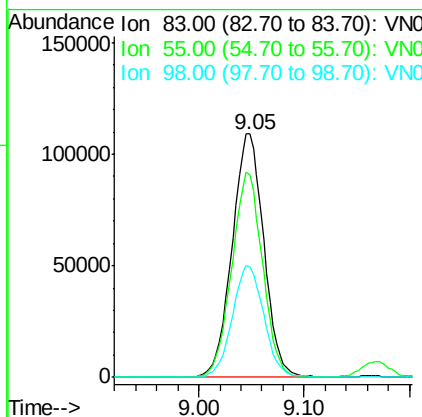
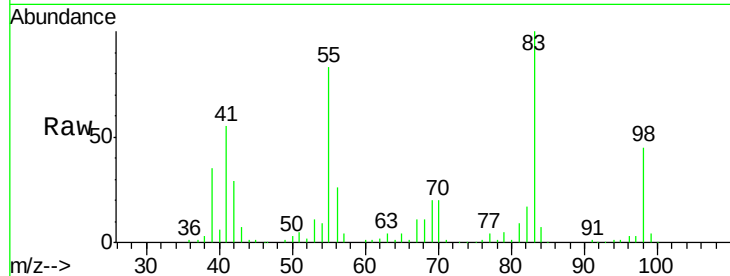
#39
Methylvlcyclohexane
Concen: 47.487 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227225		
55	83.1		63.8	95.6
98	45.2		35.4	53.2

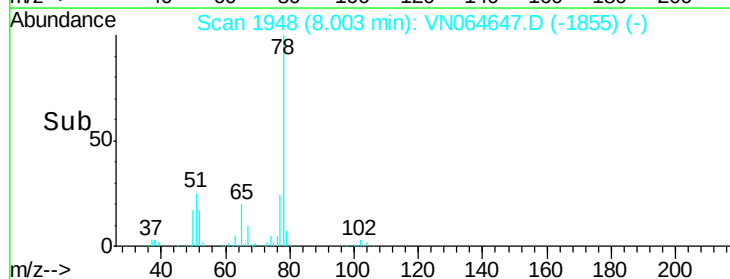
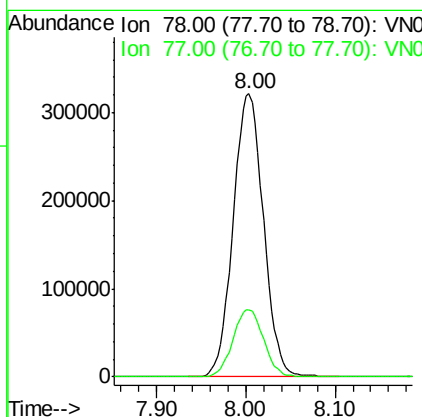
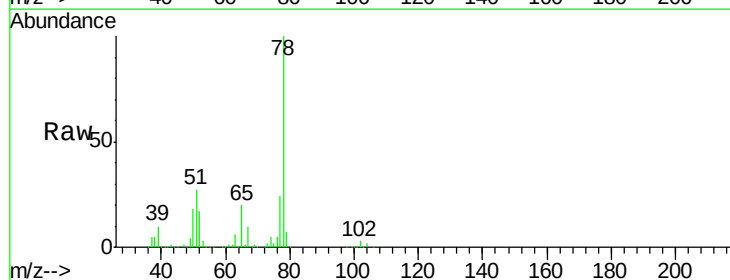
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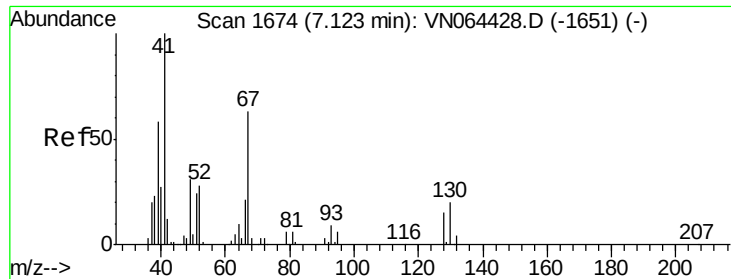
MMDadoda
11/17/2020 6:41:54 PM



#40
Benzene
Concen: 48.293 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	757486		
77	23.9		18.7	28.1





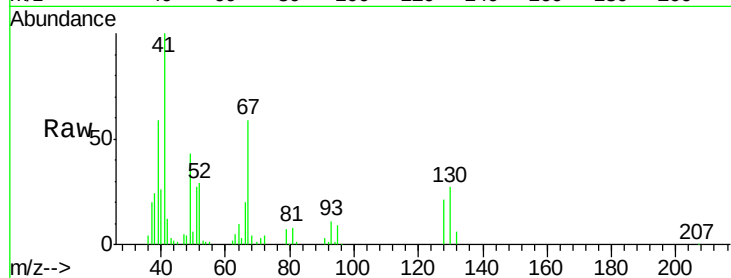
#41
Methacrylonitrile
Concen: 51.368 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

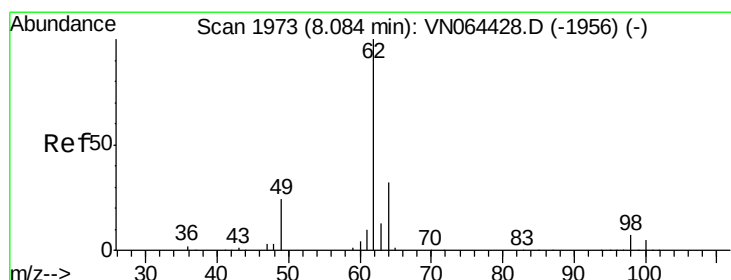
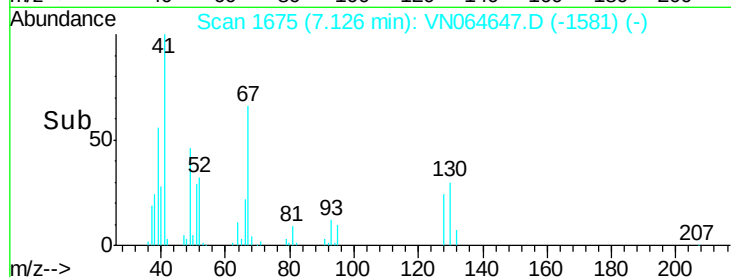
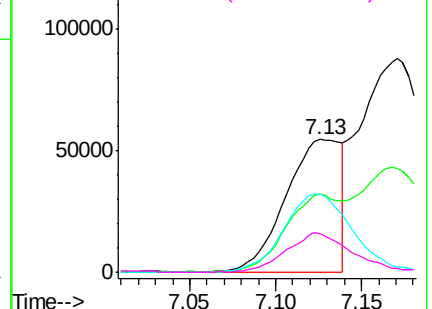
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	50.0	75.0	
67	74.4	68.3	102.5	
52	34.9	32.7	49.1	

Manual Integrations
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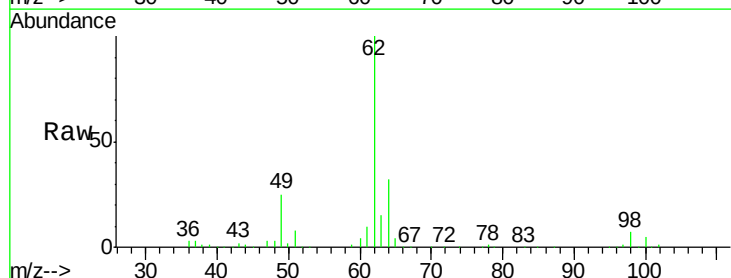


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

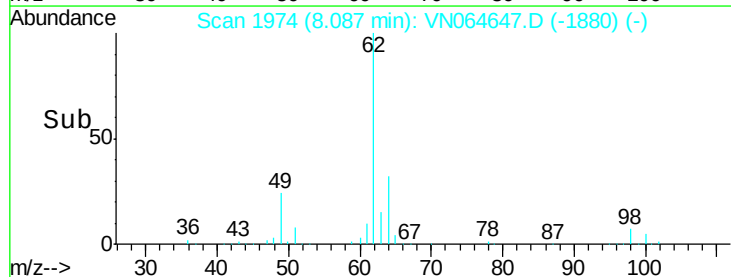
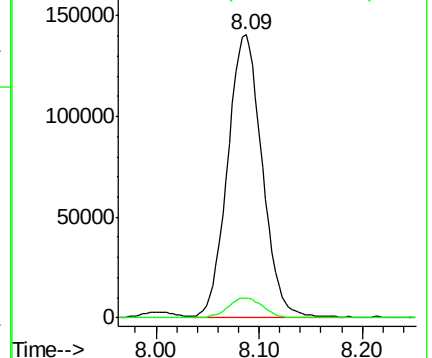


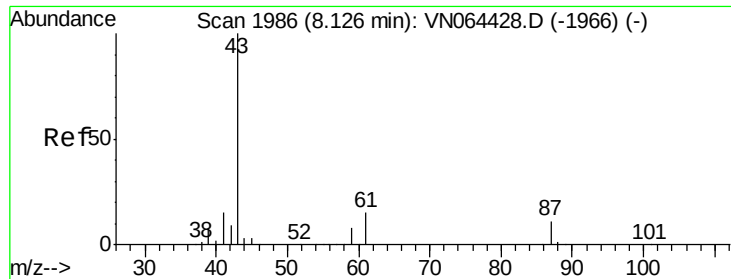
#42
1,2-Dichloroethane
Concen: 51.561 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	14.0	



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





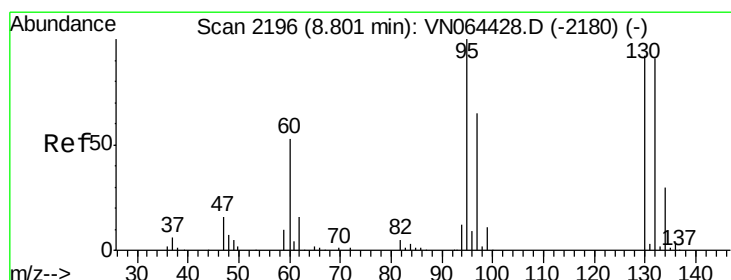
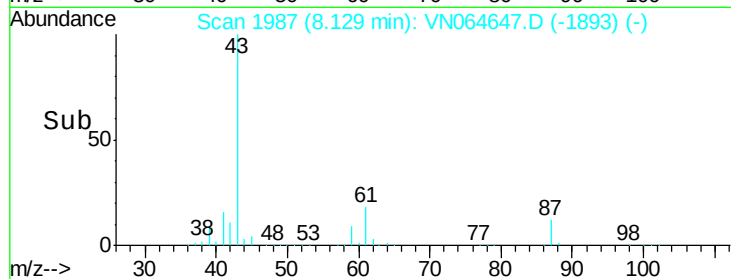
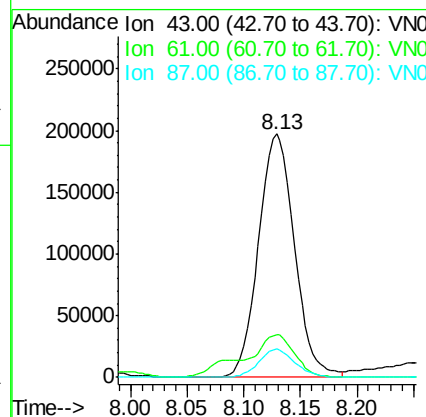
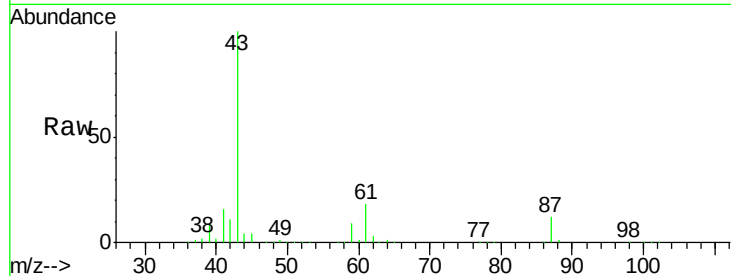
#43
Isopropyl Acetate
Concen: 50.171 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	14.0	21.0
87	11.7	9.1	13.7

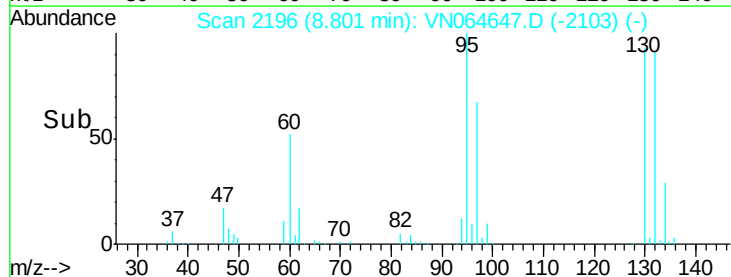
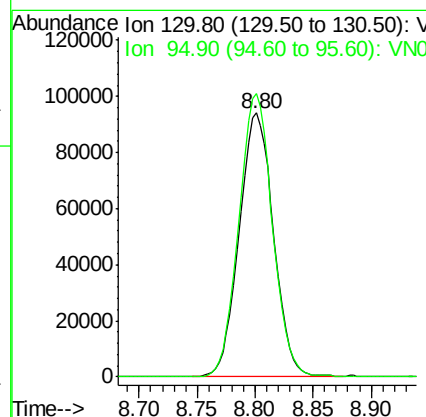
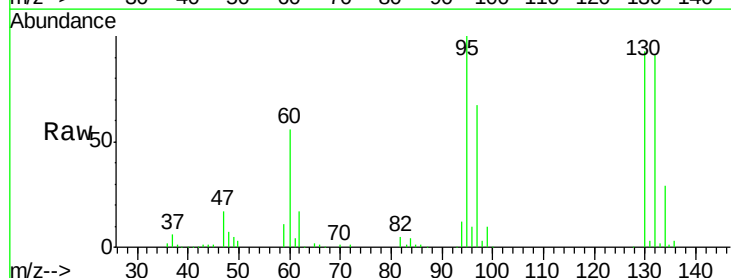
Manual Integrations
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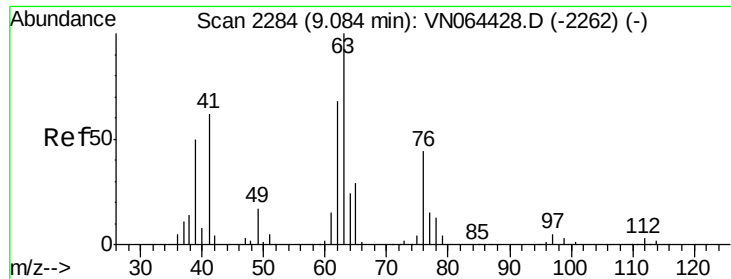
MMDadoda
11/17/2020 6:41:54 PM



#44
Trichloroethene
Concen: 48.891 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	216.8





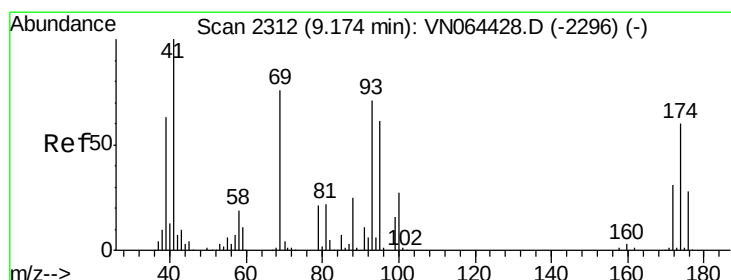
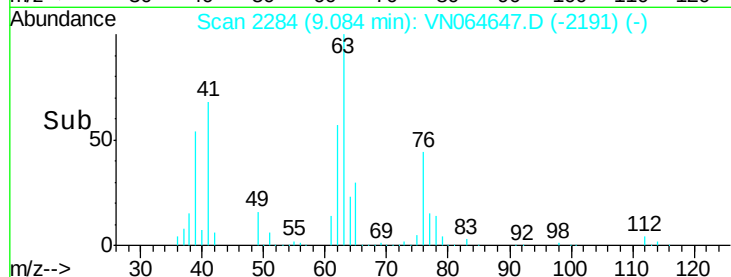
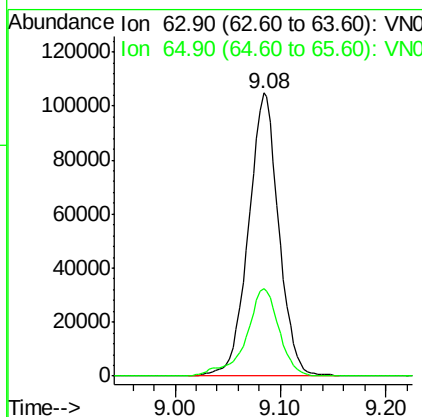
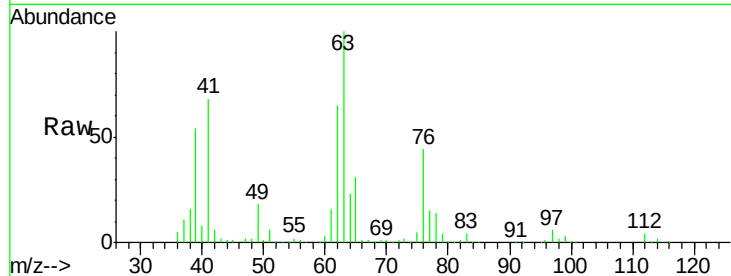
#45
 1,2-Dichloropropane
 Concen: 50.093 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 209649
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4

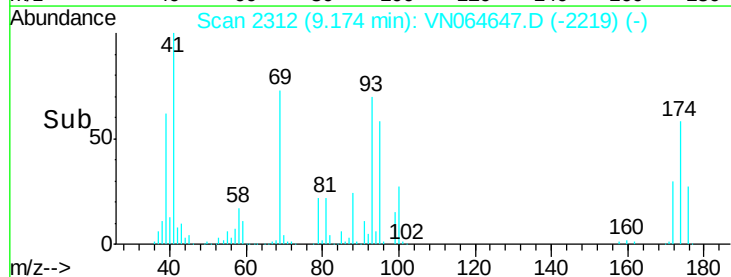
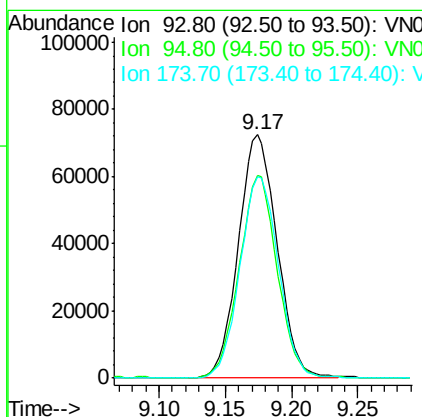
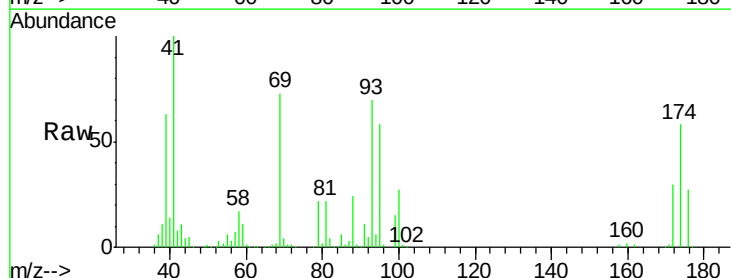
Manual Integrations
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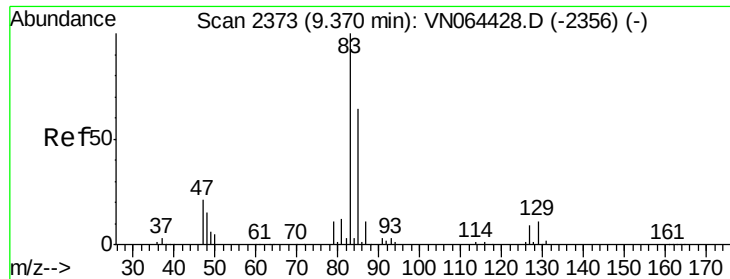
MMDadoda
 11/17/2020 6:41:54 PM



#46
 Dibromomethane
 Concen: 53.561 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion: 93 Resp: 147564
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.4 99.6
 174 82.4 67.2 100.8





#47

Bromodichloromethane

Concen: 52.646 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

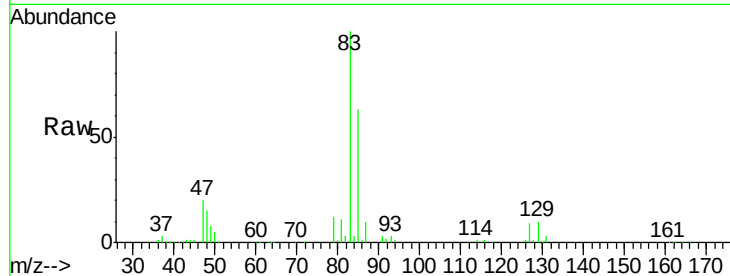
ClientSampleId :

VSTDCCC050EC

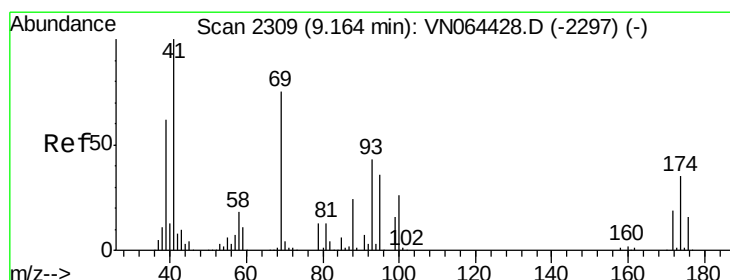
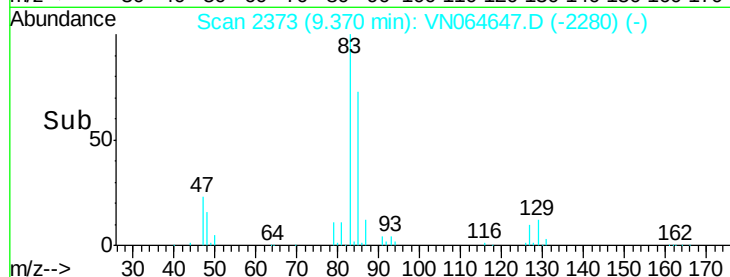
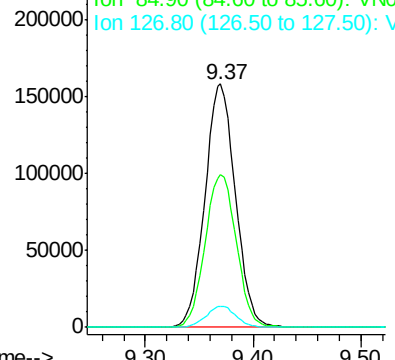
Tot Ion:	83	Resp:	311874
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.2	76.8
127	8.6	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN064647.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.421 ug/l

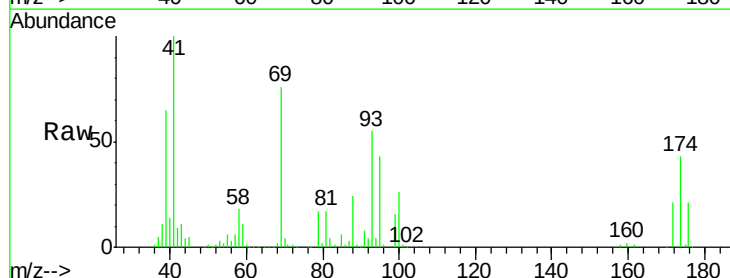
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

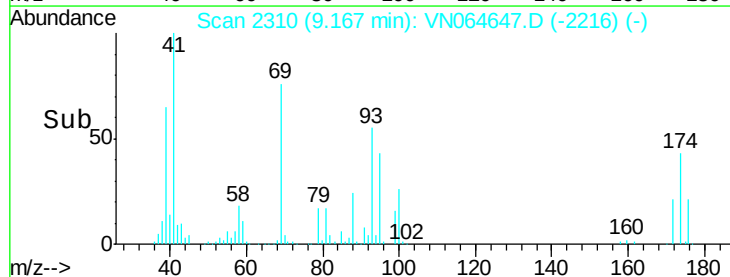
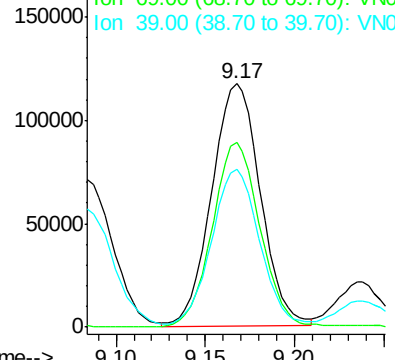
Lab File: VN064647.D

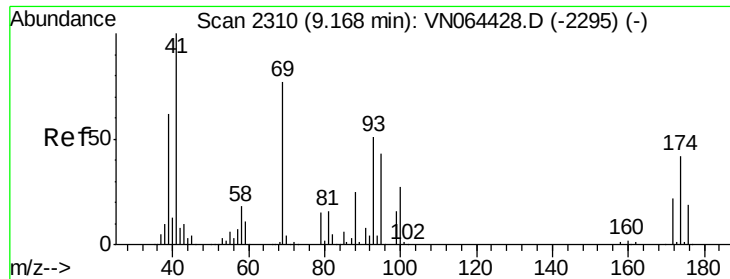
Acq: 13 Nov 2020 21:59

Tgt Ion:	41	Resp:	224454
Ion	Ratio	Lower	Upper
41	100		
69	74.7	60.4	90.6
39	63.9	51.2	76.8



Abundance Ion 41.00 (40.70 to 41.70): VN064647.D (-2216) (-)





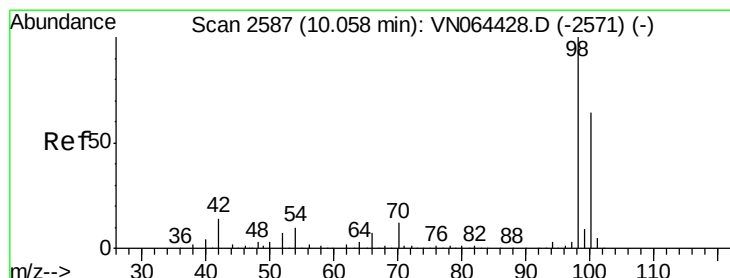
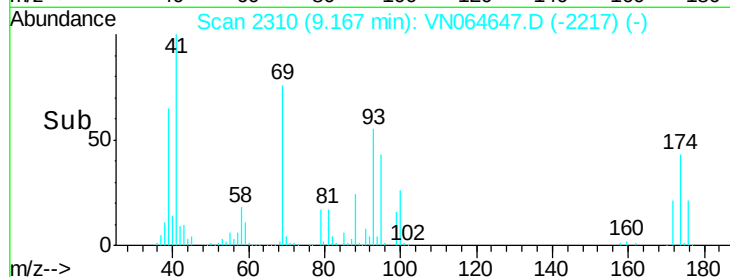
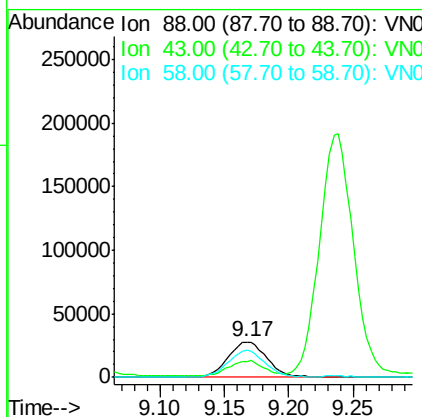
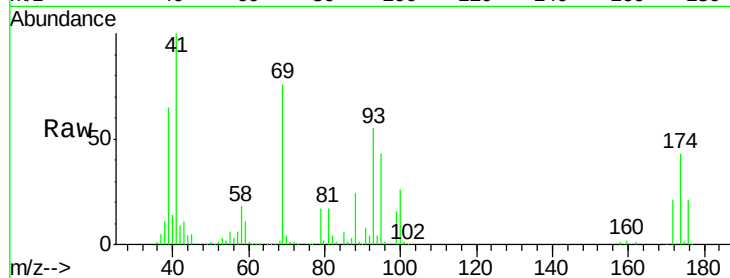
#49
1,4-Dioxane
Concen: 1018.583 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	58562
Ion	Ratio	Lower	Upper
88	100		
43	40.1	31.0	46.6
58	72.0	58.4	87.6

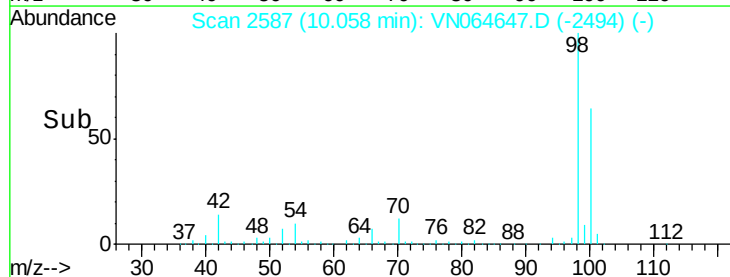
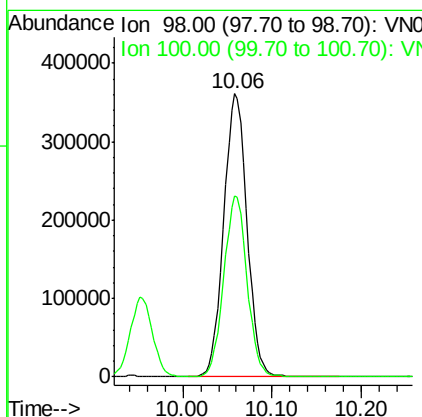
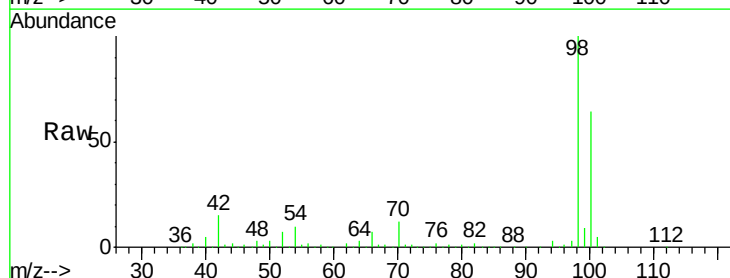
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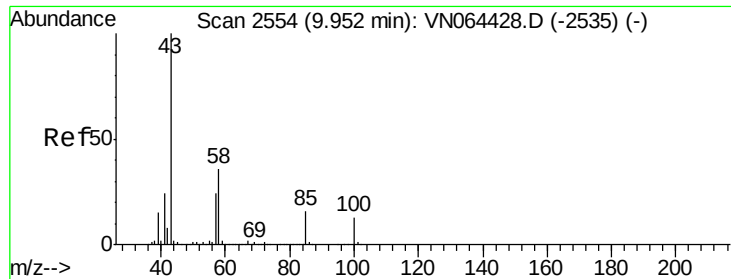
MMDadoda
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#50
Toluene-d8
Concen: 49.173 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	98	Resp	653828
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 272.507 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1374709

Ion Ratio Lower Upper

43 100

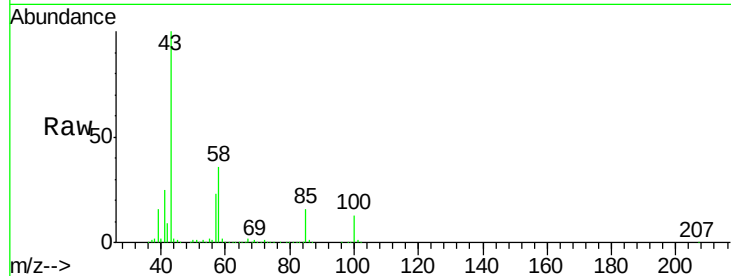
58 35.9 28.4 42.6

Manual Integrations

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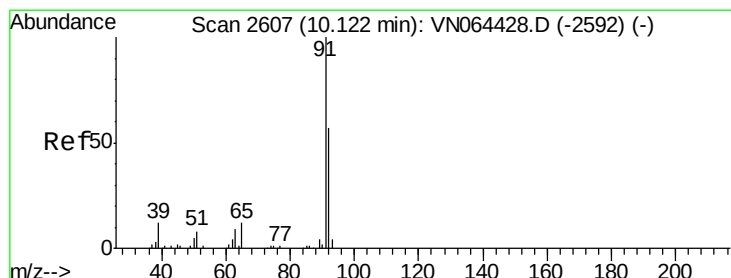
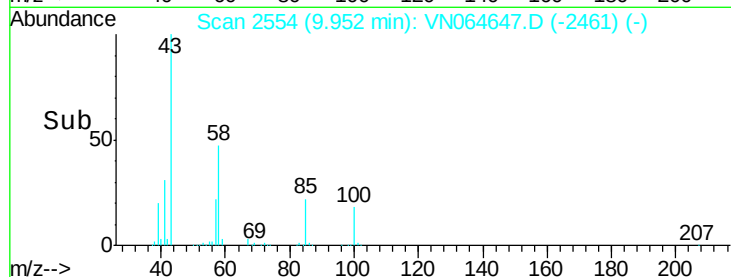
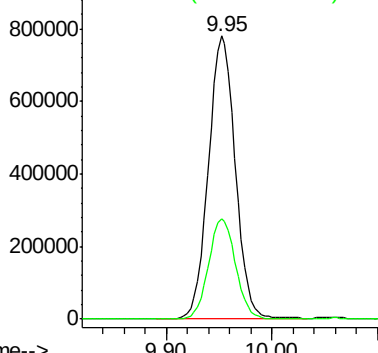
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.380 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064647.D

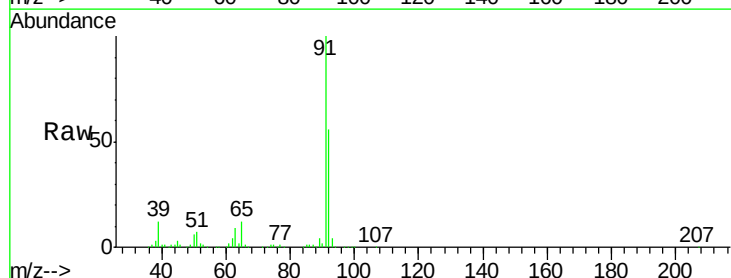
Acq: 13 Nov 2020 21:59

Tgt Ion: 92 Resp: 491541

Ion Ratio Lower Upper

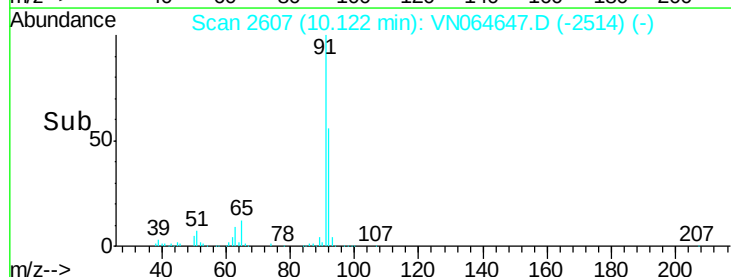
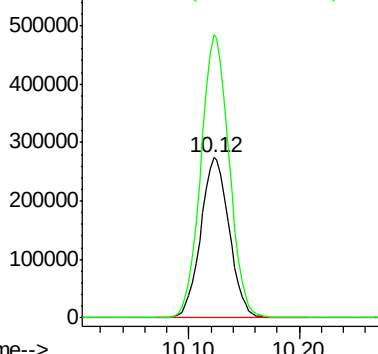
92 100

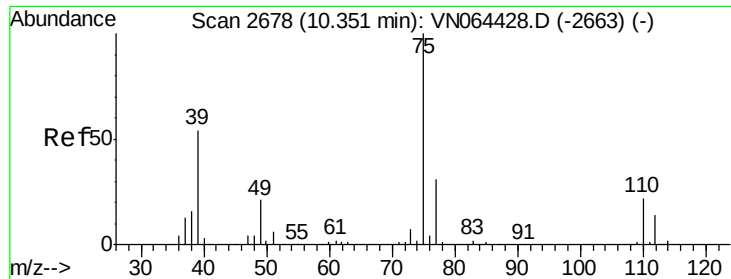
91 175.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





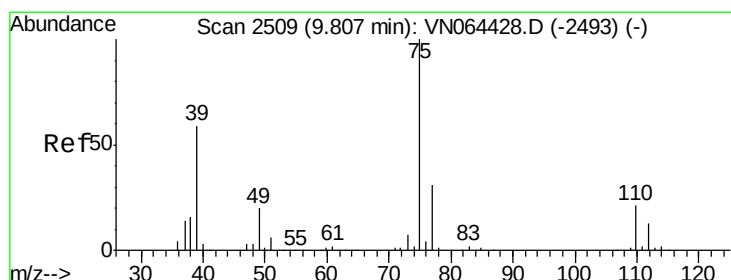
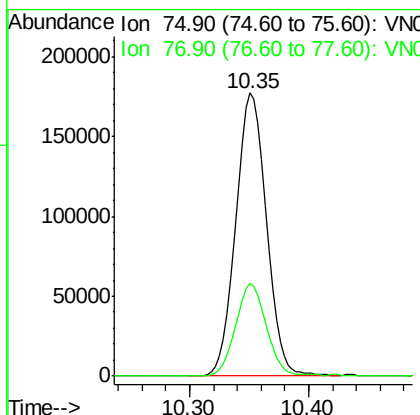
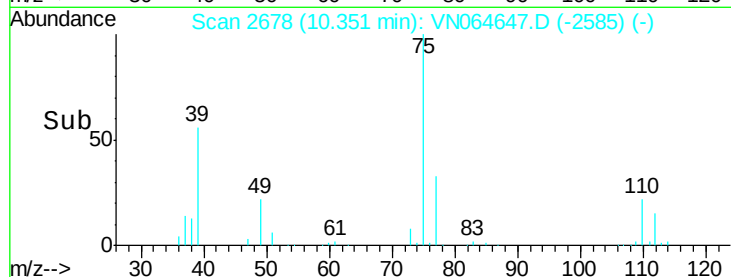
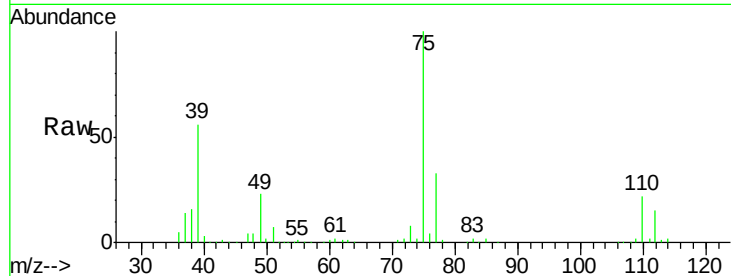
#53
t-1,3-Dichloropropene
Concen: 50.510 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 317227
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2

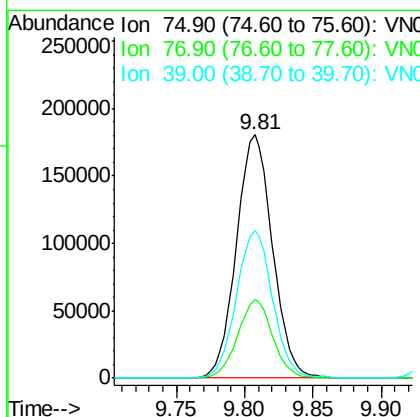
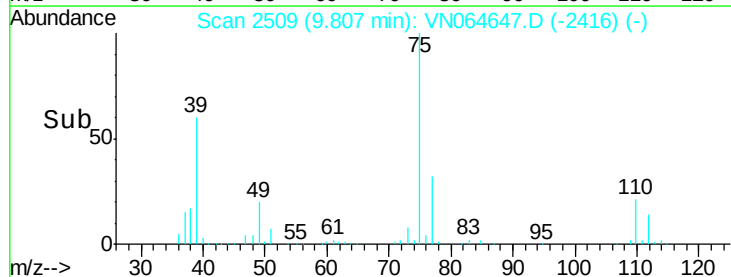
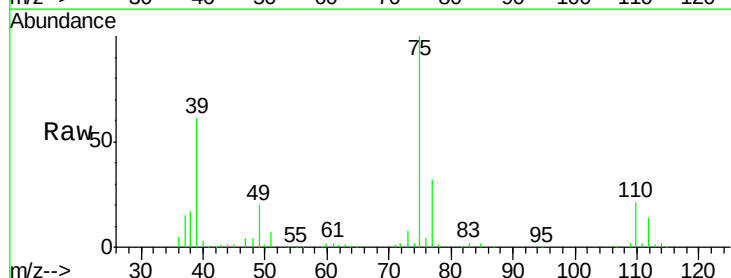
Manual Integrations
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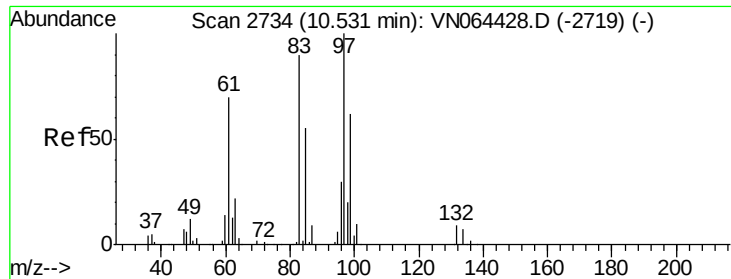
MMDadoda
11/17/2020 6:41:54 PM



#54
cis-1,3-Dichloropropene
Concen: 49.519 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion: 75 Resp: 332516
Ion Ratio Lower Upper
75 100
77 32.2 24.9 37.3
39 60.3 47.1 70.7





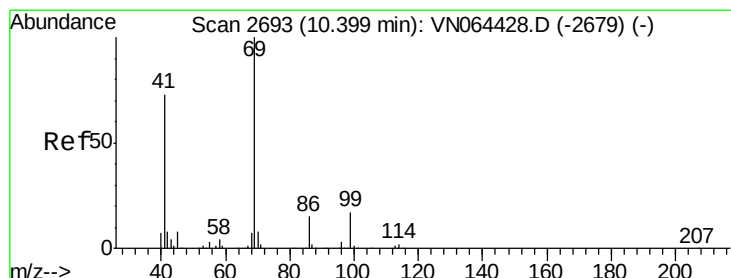
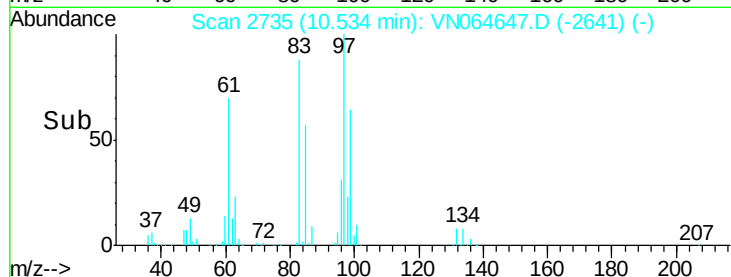
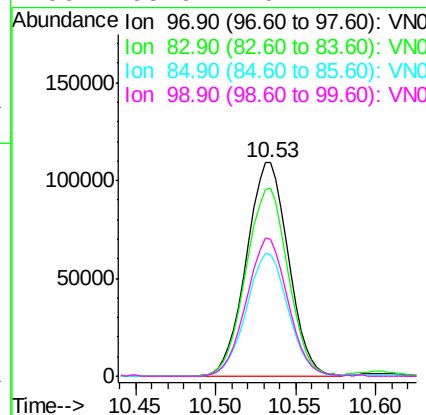
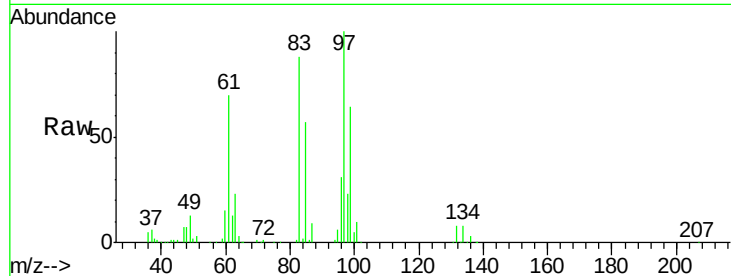
#55
 1,1,2-Trichloroethane
 Concen: 52.569 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.7	107.5
85	57.2	44.3	66.5
99	63.9	49.4	74.2

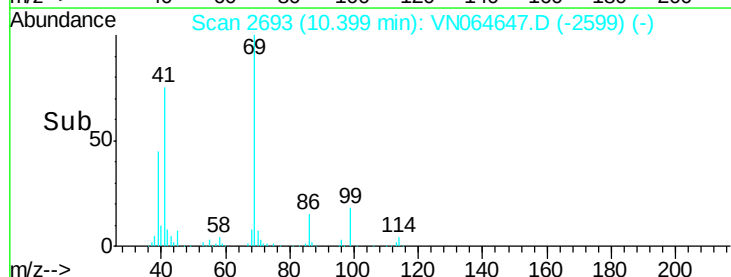
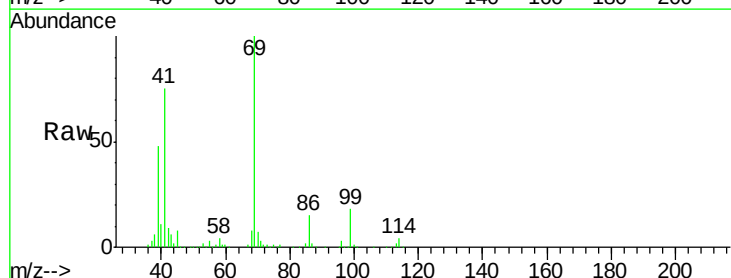
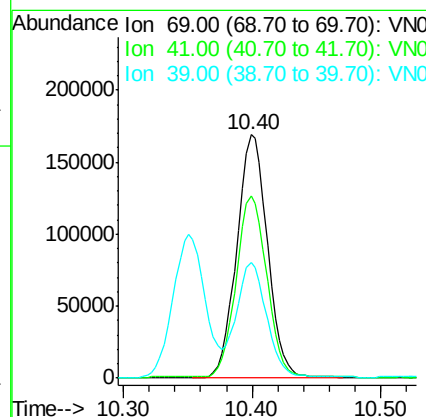
Manual Integrations
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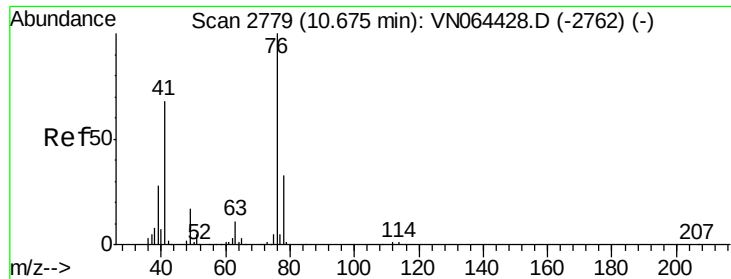
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#56
 Ethyl methacrylate
 Concen: 45.909 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.3	88.9
39	46.6	35.4	53.0





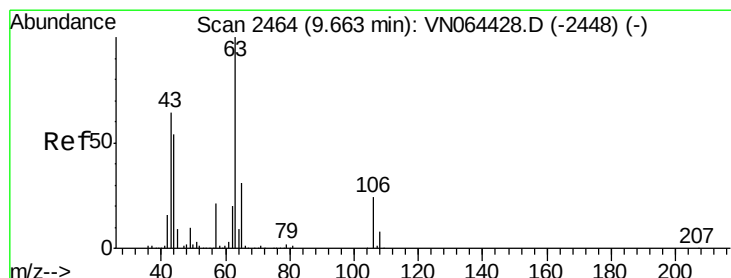
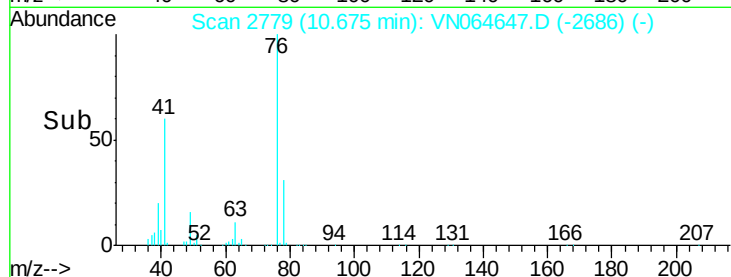
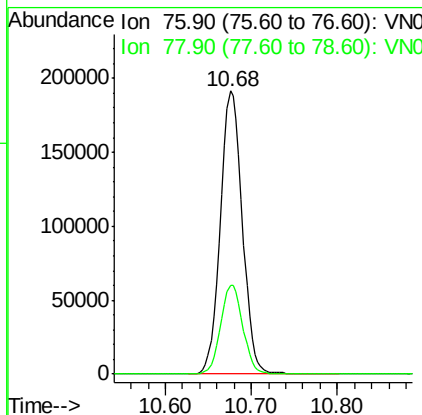
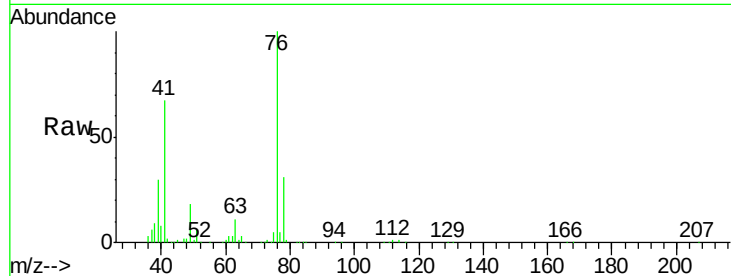
#57
 1,3-Dichloropropane
 Concen: 52.286 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 340503
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6

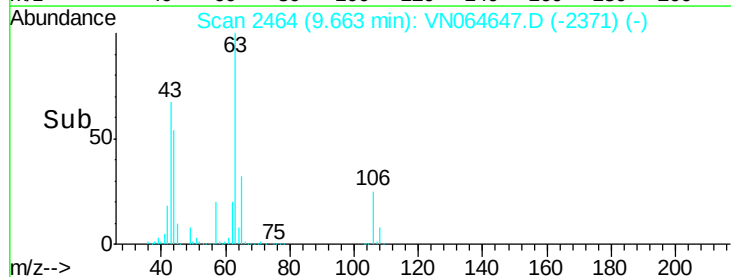
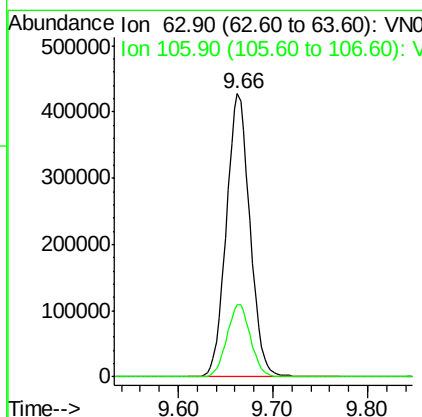
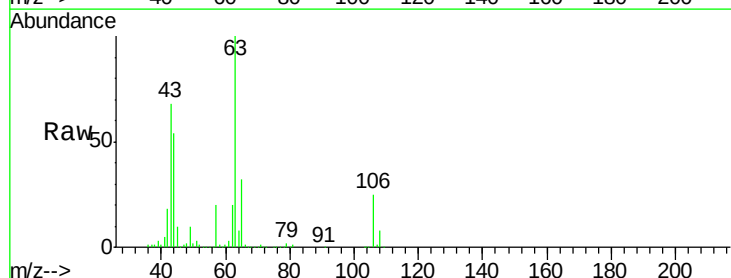
Manual Integrations
 APPROVED

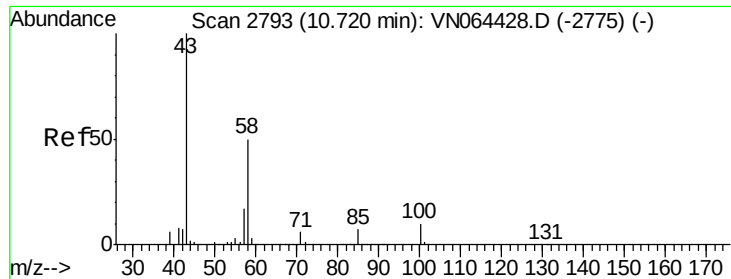
MMDadoda
 11/17/2020 6:41:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.921 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion: 63 Resp: 740765
 Ion Ratio Lower Upper
 63 100
 106 25.7 19.5 29.3





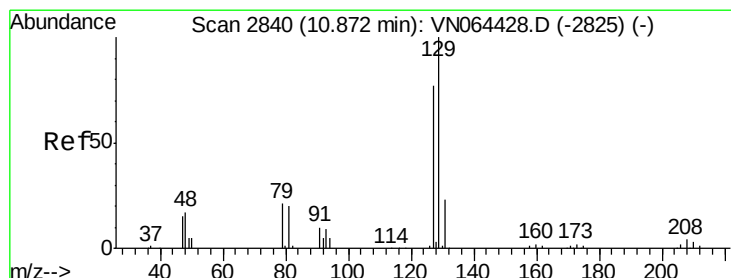
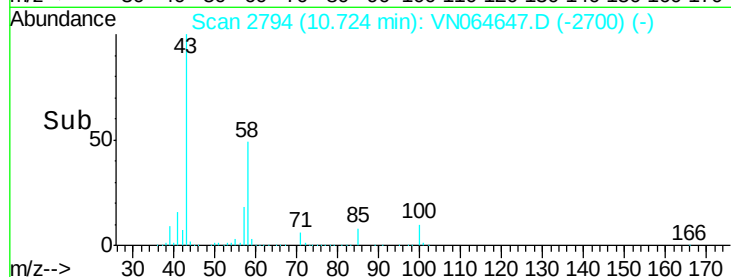
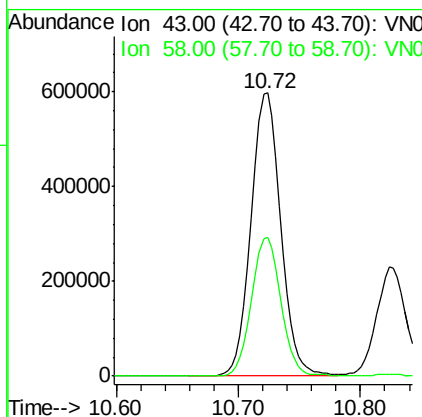
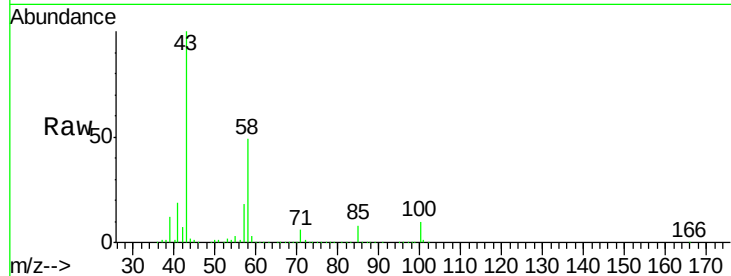
#59
2-Hexanone
Concen: 242.265 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 996067
Ion Ratio Lower Upper
43 100
58 48.9 24.7 74.1

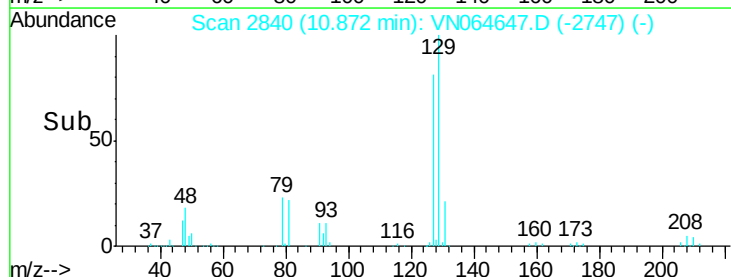
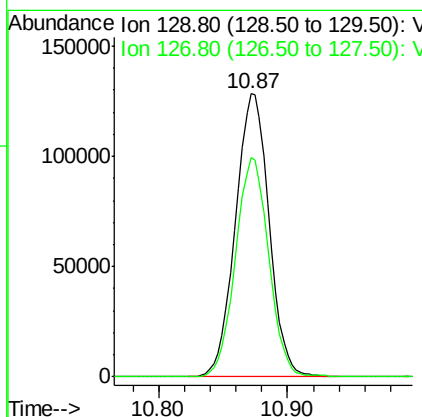
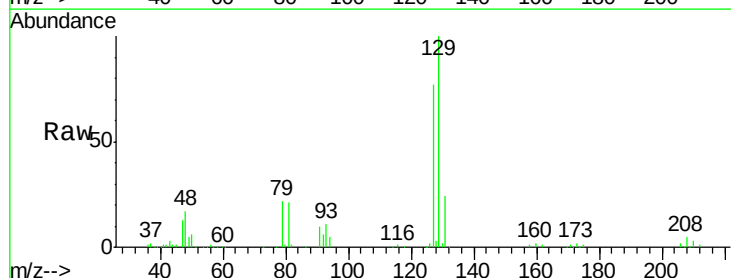
Manual Integrations
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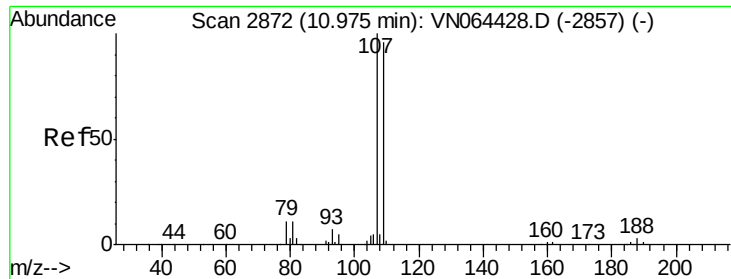
MMDadoda
11/17/2020 6:41:54 PM



#60
Dibromochloromethane
Concen: 55.803 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion: 129 Resp: 233101
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.7





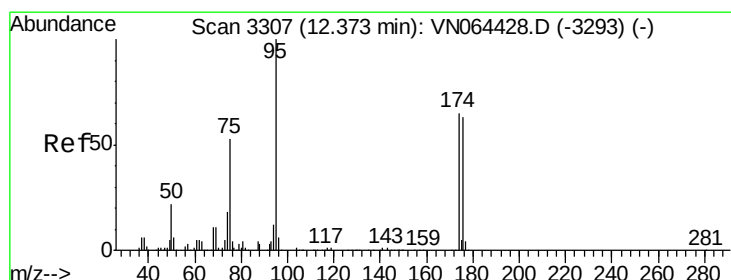
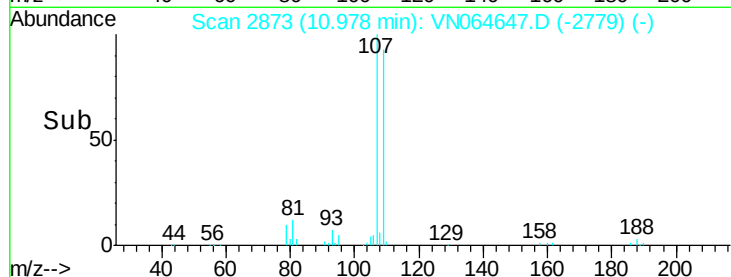
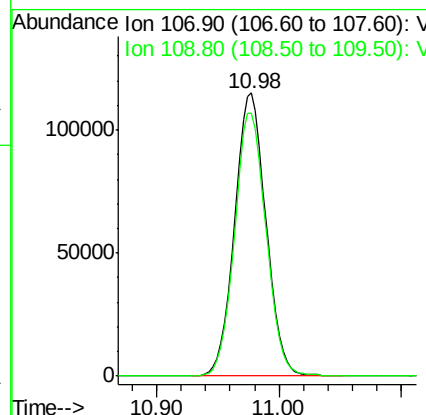
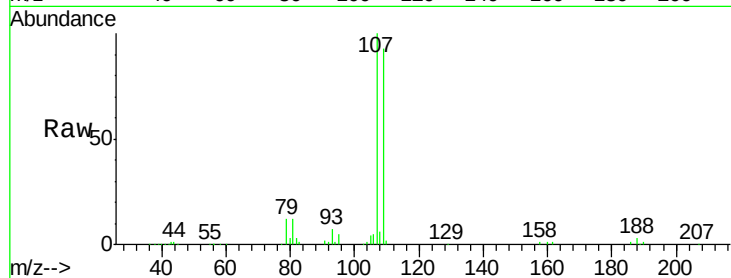
#61
 1,2-Dibromoethane
 Concen: 54.283 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.9	113.9

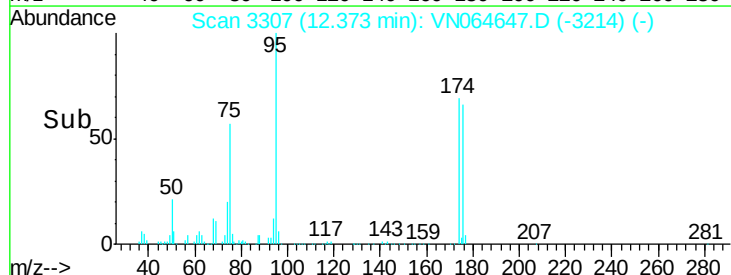
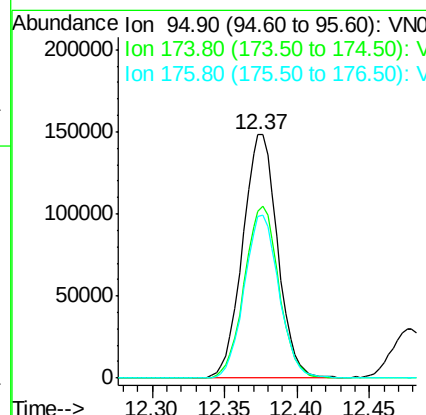
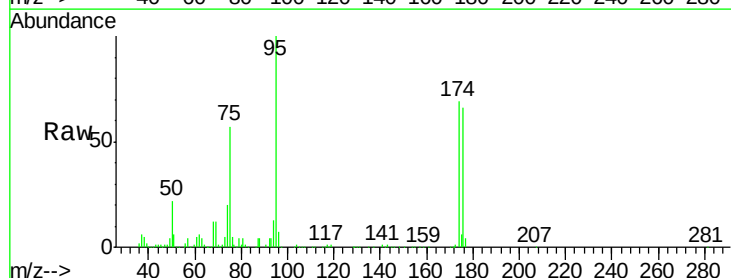
Manual Integrations
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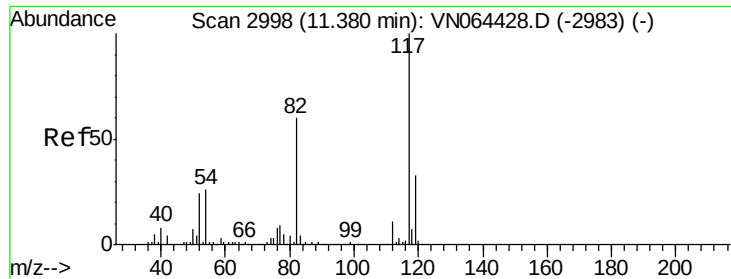
MMDadoda
 11/17/2020 6:41:54 PM



#62
 4-Bromofluorobenzene
 Concen: 49.428 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	132.6
176	66.3	0.0	129.2





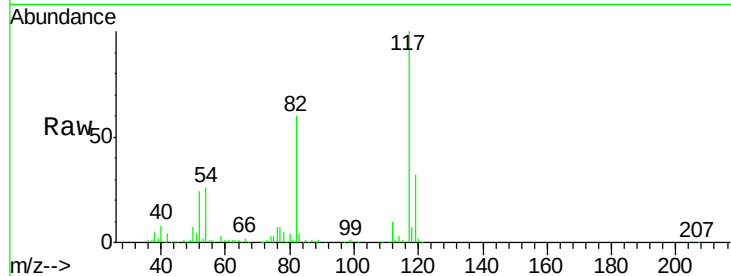
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	478315		
82	59.6	48.1	72.1	
119	32.3	26.2	39.4	

Manual Integrations
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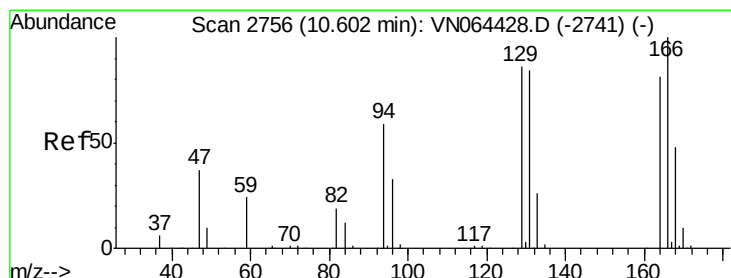
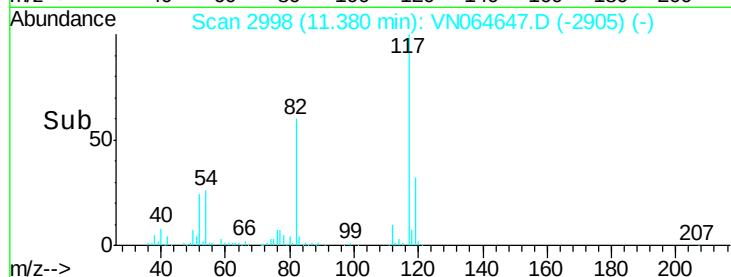
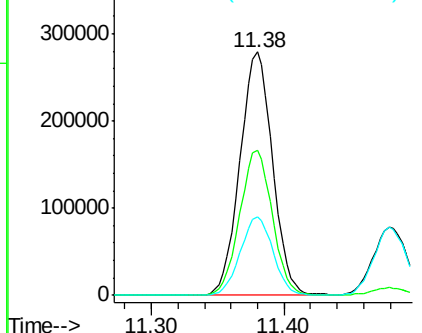


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.798 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179793		
166	129.9	98.2	147.2	
129	106.8	84.6	127.0	
131	101.8	82.2	123.2	

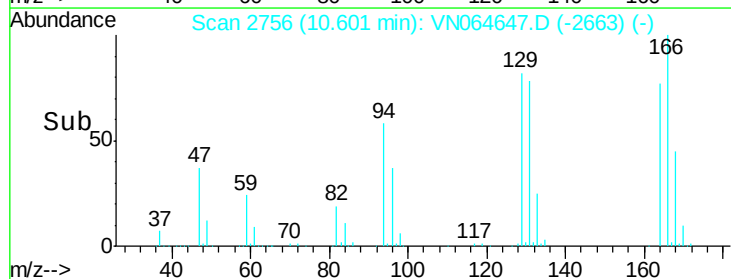
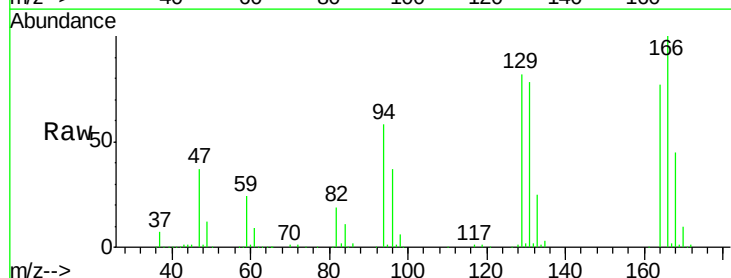
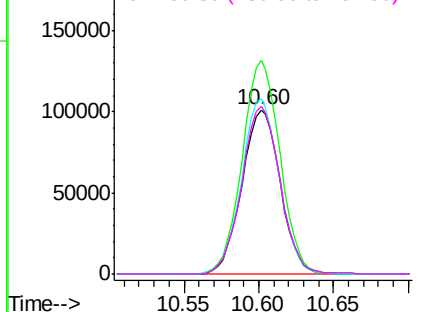
Abundance

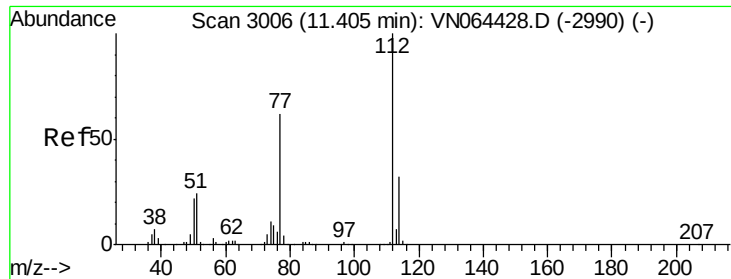
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





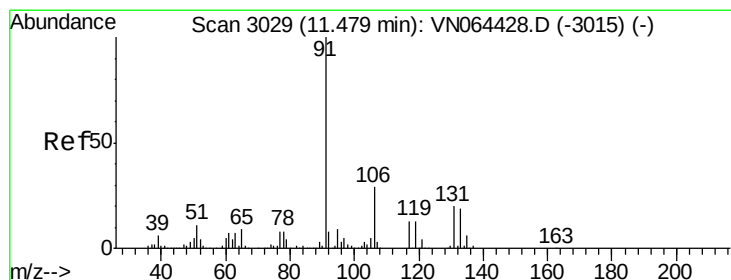
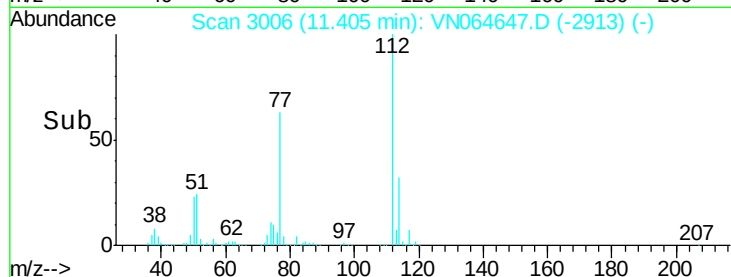
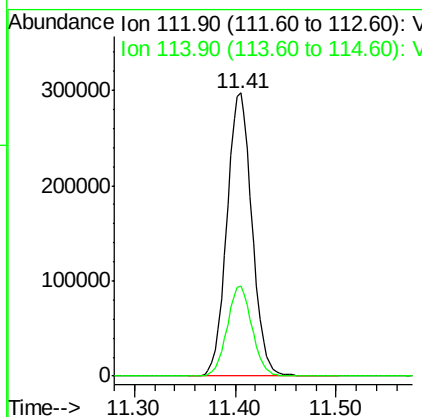
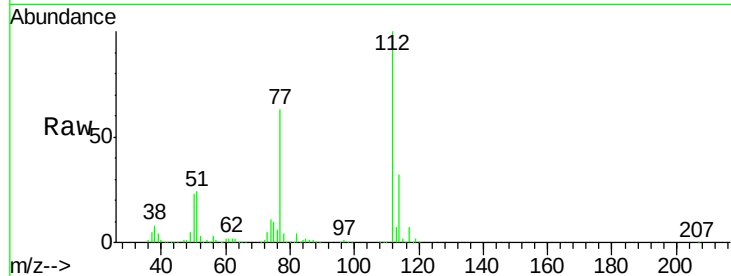
#65
Chlorobenzene
Concen: 49.365 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 517629
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

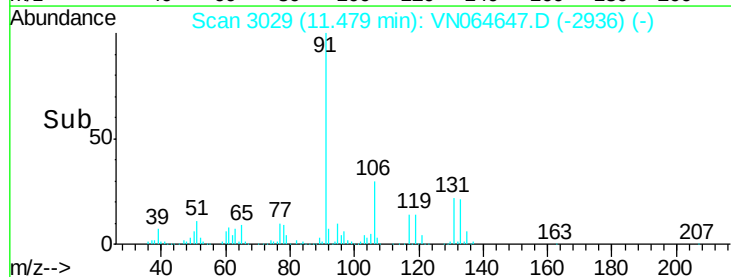
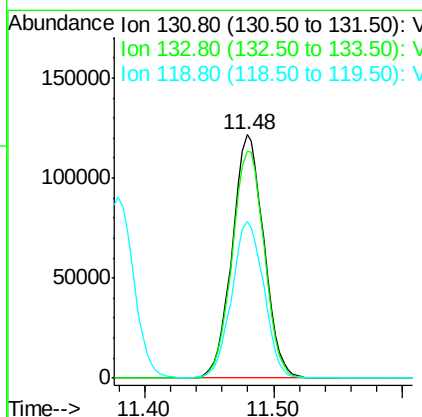
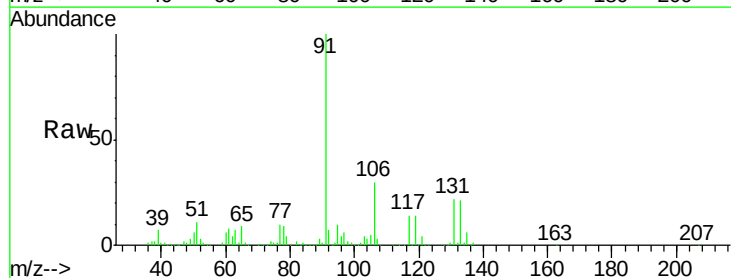
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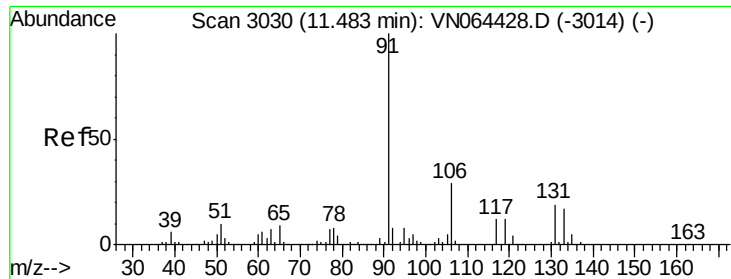
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.116 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion:131 Resp: 207782
Ion Ratio Lower Upper
131 100
133 94.4 46.9 140.7
119 65.2 32.1 96.5





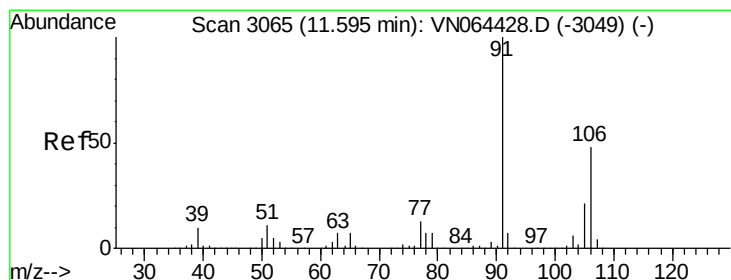
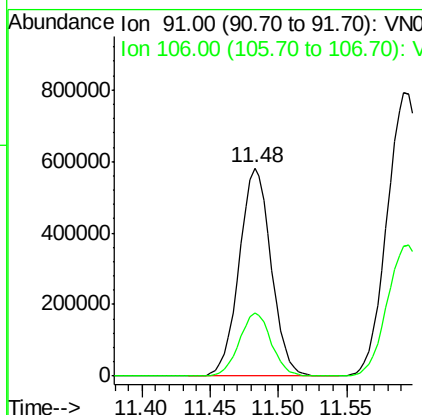
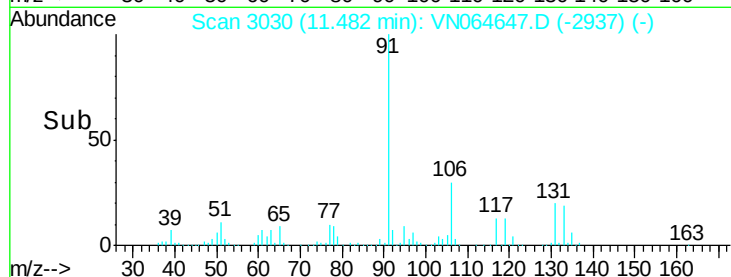
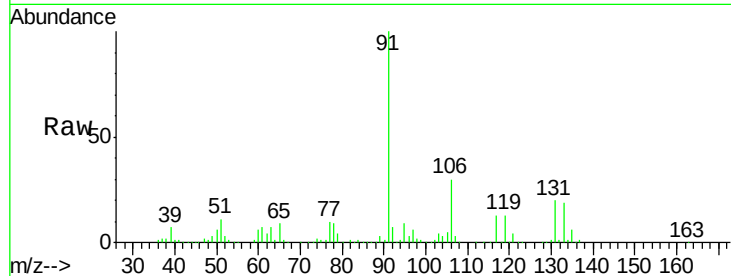
#67
Ethyl Benzene
Concen: 50.762 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 946782
Ion Ratio Lower Upper
91 100
106 30.1 23.6 35.4

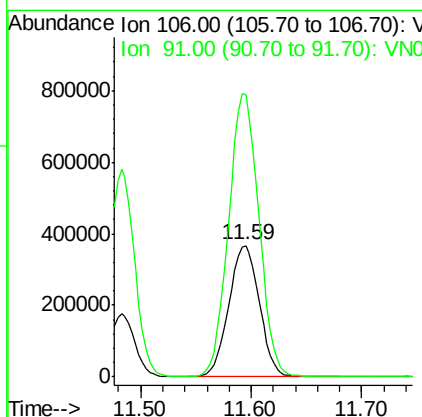
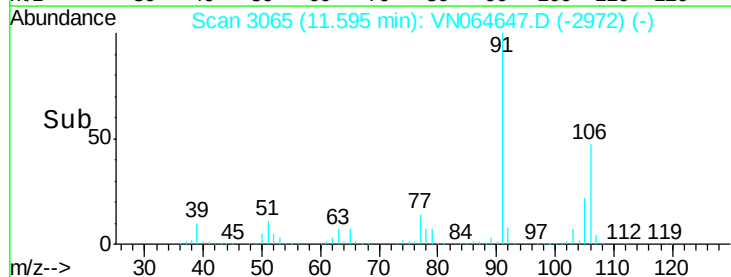
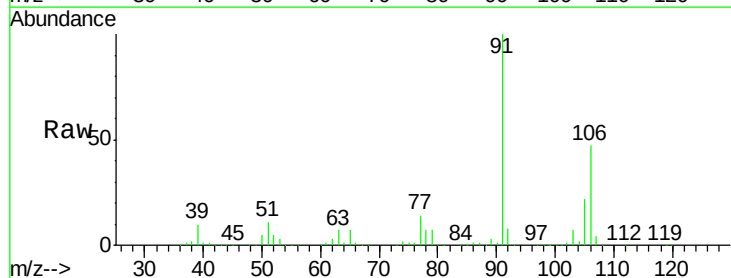
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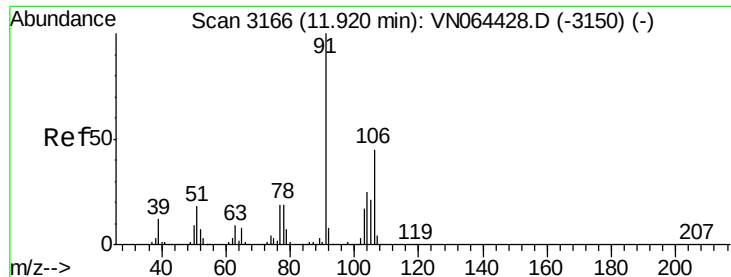
MMDadoda
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#68
m/p-Xylenes
Concen: 104.055 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion: 106 Resp: 703842
Ion Ratio Lower Upper
106 100
91 214.5 169.4 254.2





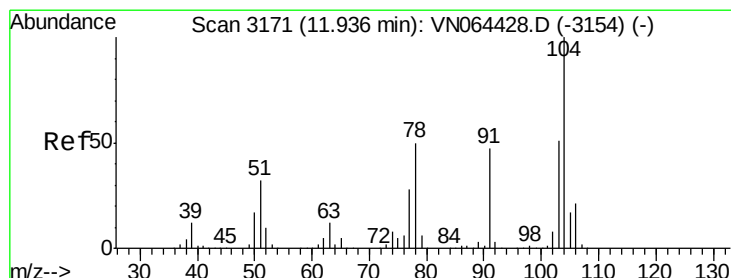
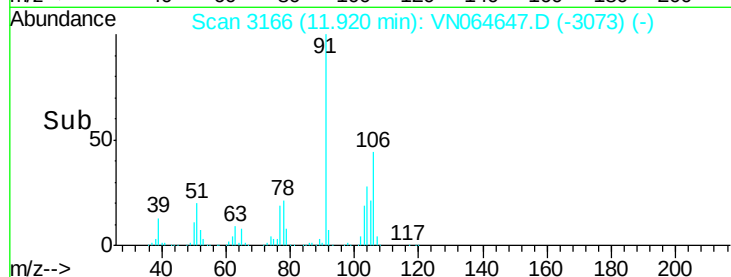
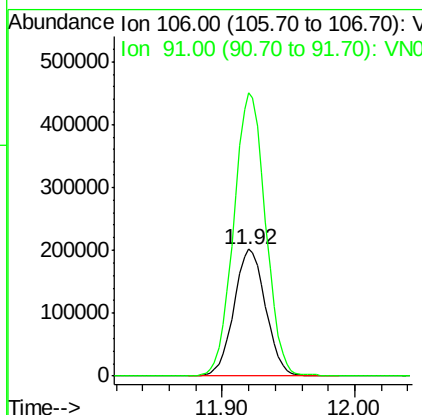
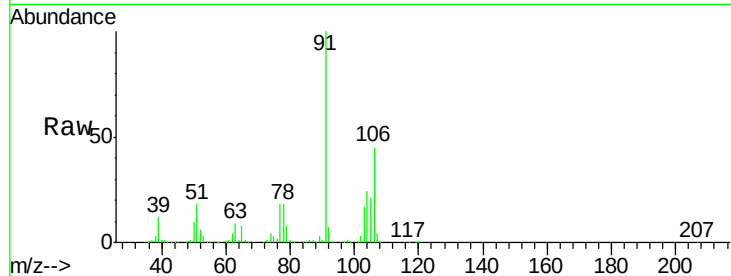
#69
o-Xylene
Concen: 51.215 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 334754
Ion Ratio Lower Upper
106 100
91 223.5 111.7 334.9

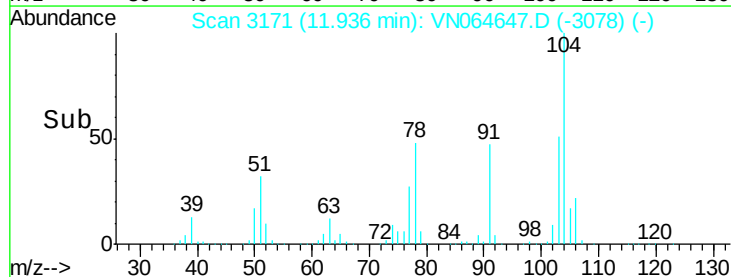
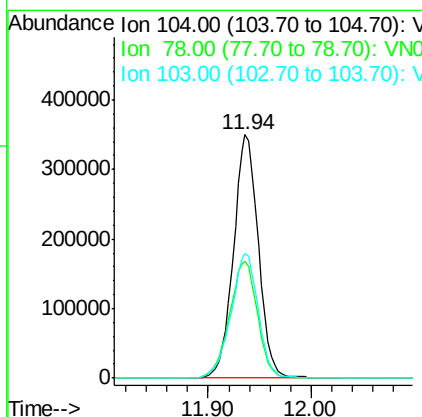
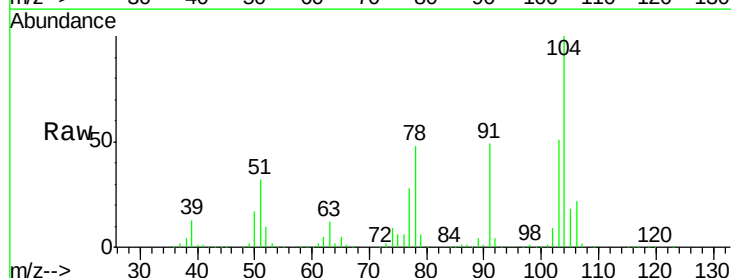
Manual Integrations
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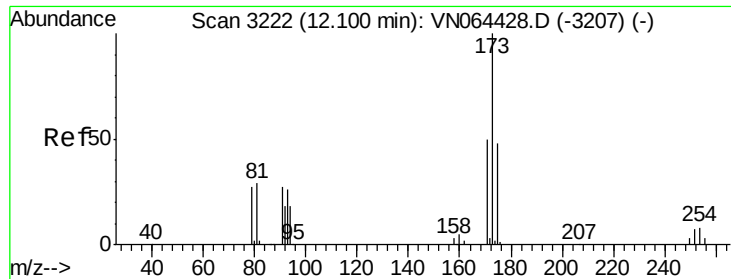
MMDadoda
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#70
Styrene
Concen: 53.574 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion:104 Resp: 589251
Ion Ratio Lower Upper
104 100
78 54.1 44.0 66.0
103 55.8 43.8 65.6





#71

Bromoform

Concen: 51.441 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 151205

Ion Ratio Lower Upper

173 100

175 48.2 23.7 71.1

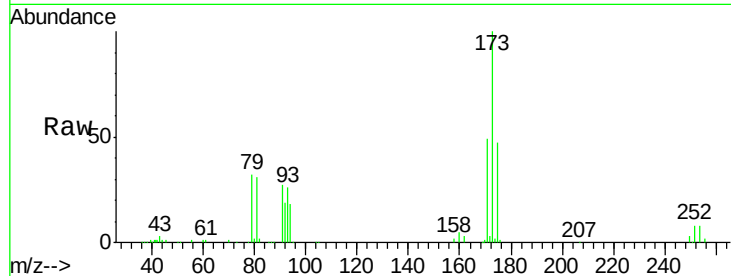
254 0.0 0.0 0.0#

Manual Integrations

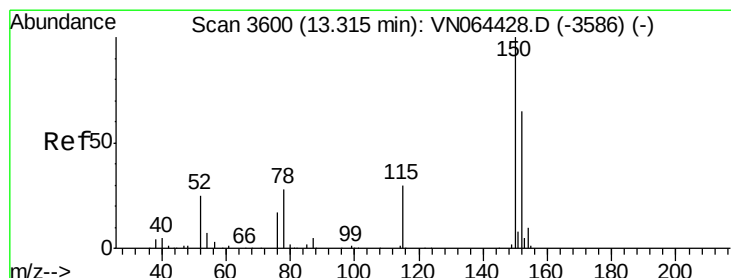
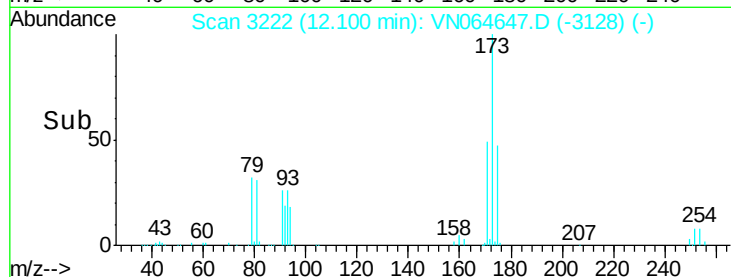
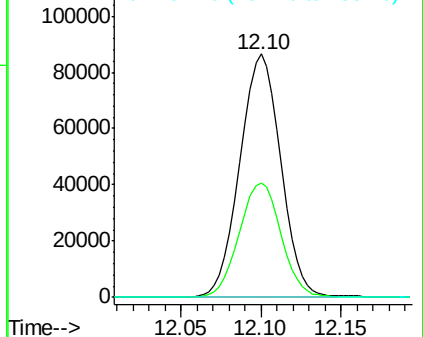
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

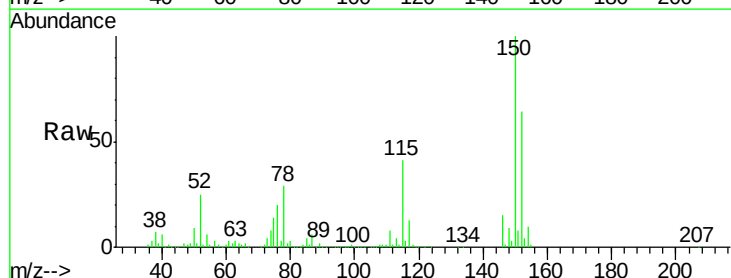
Tgt Ion:152 Resp: 236953

Ion Ratio Lower Upper

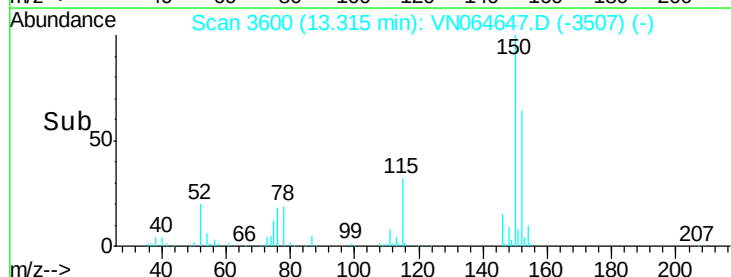
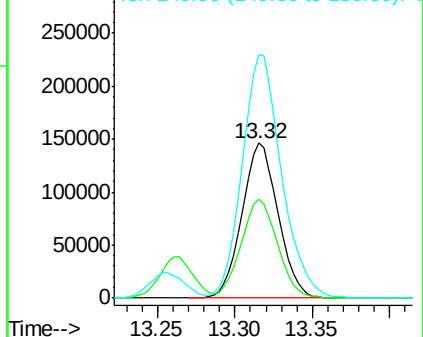
152 100

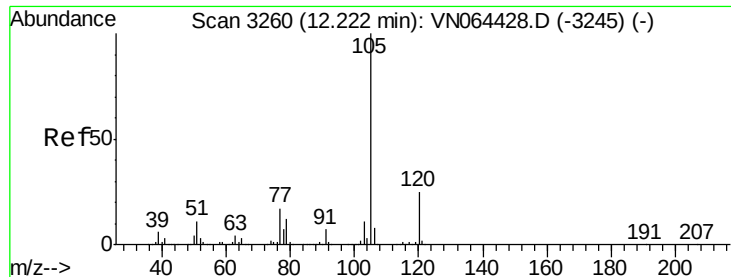
115 64.1 32.0 96.0

150 171.0 0.0 353.8



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: 46.741 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 880300

Ion Ratio Lower Upper

105 100

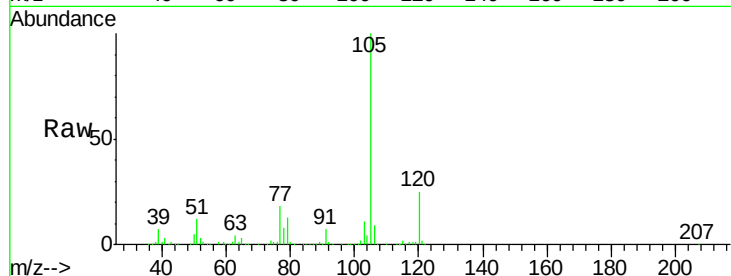
120 25.5 12.8 38.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

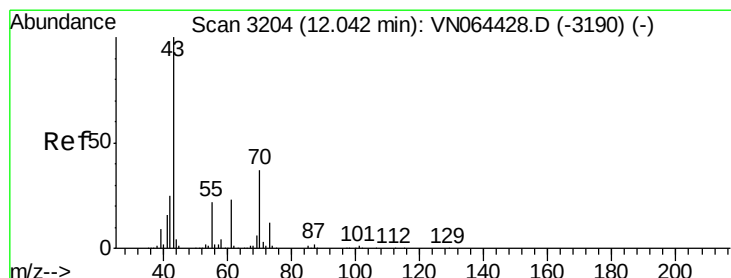
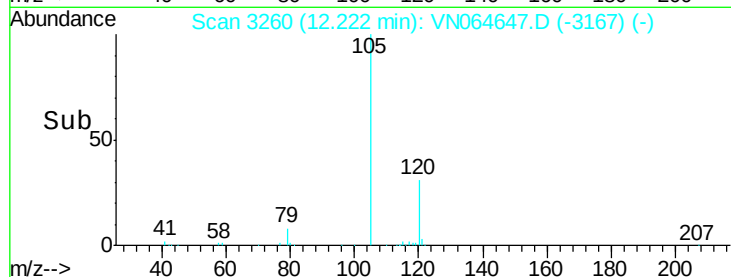
100000

0

12.22

12.30

Time-->



#74

N-ethyl acetate

Concen: 42.542 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Tgt Ion: 43 Resp: 386898

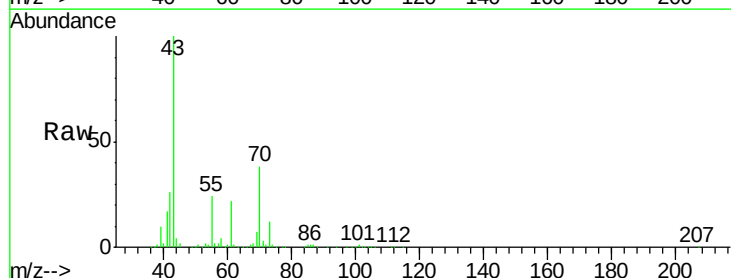
Ion Ratio Lower Upper

43 100

70 38.1 29.6 44.4

55 24.2 18.4 27.6

61 21.2 17.8 26.6



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

300000

200000

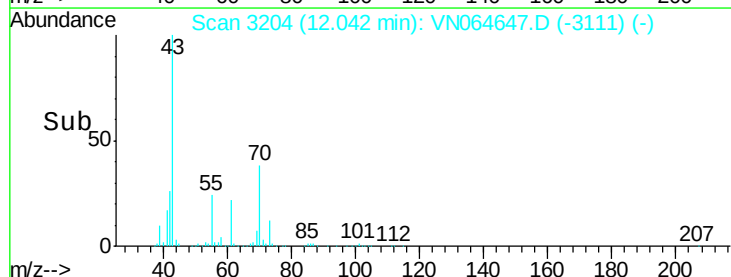
100000

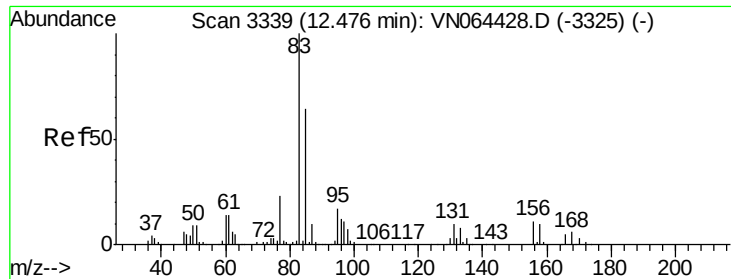
0

12.04

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.302 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

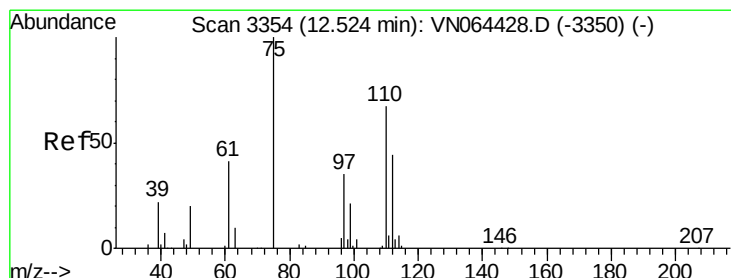
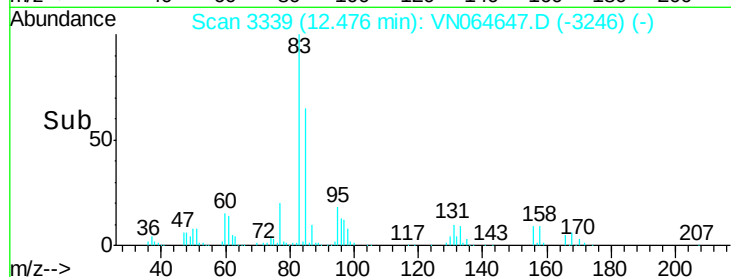
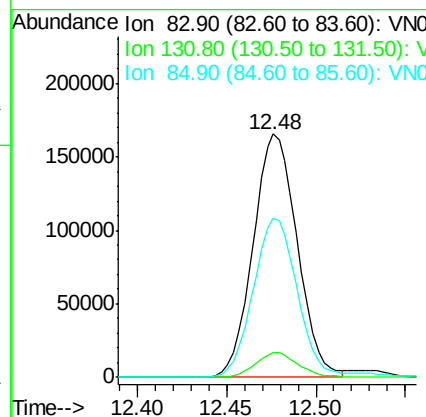
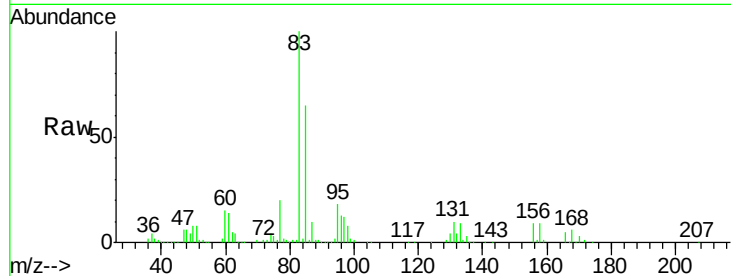
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	285205
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	66.7	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.040 ug/l m

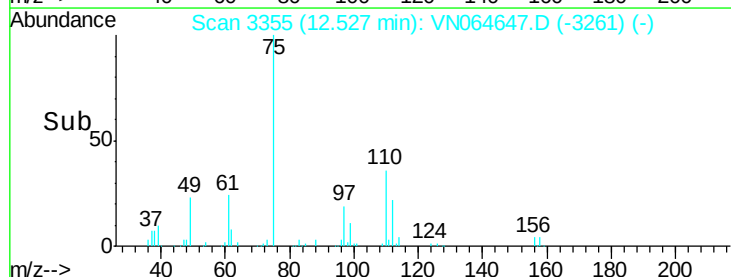
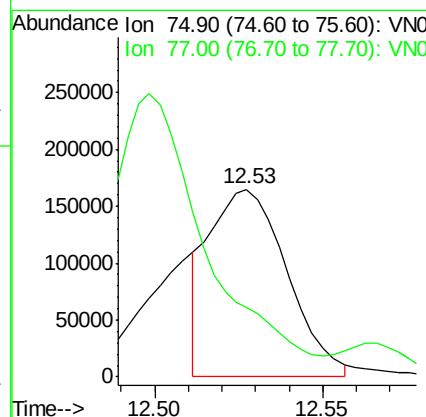
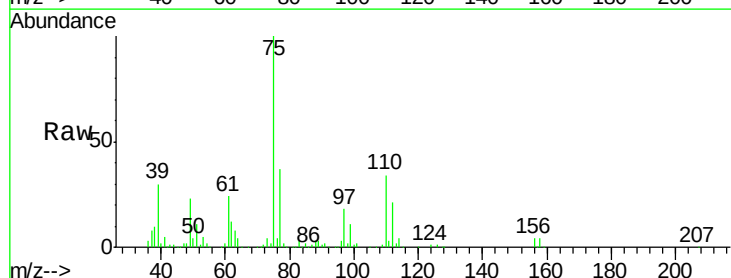
RT: 12.53 min Scan# 3355

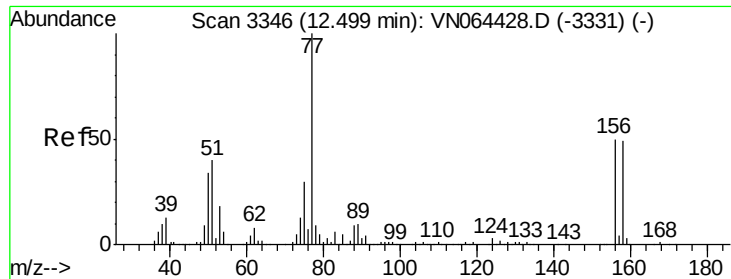
Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Tgt Ion:	75	Resp:	264321
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.603 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 214288

Ion Ratio Lower Upper

156 100

77 235.9 119.0 357.0

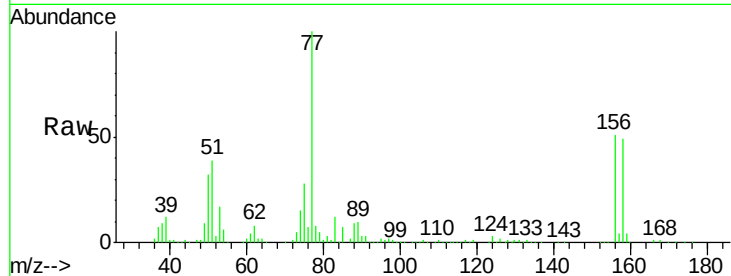
158 97.3 48.4 145.3

Manual Integrations

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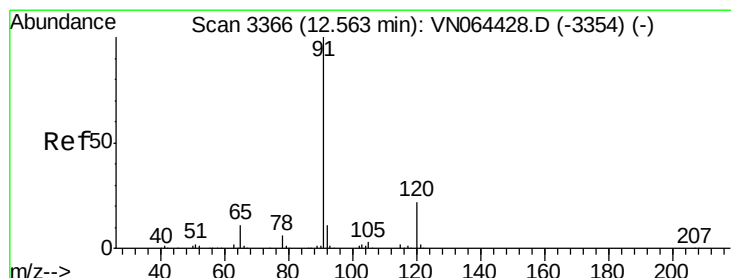
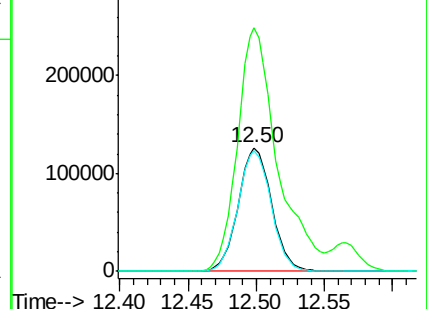
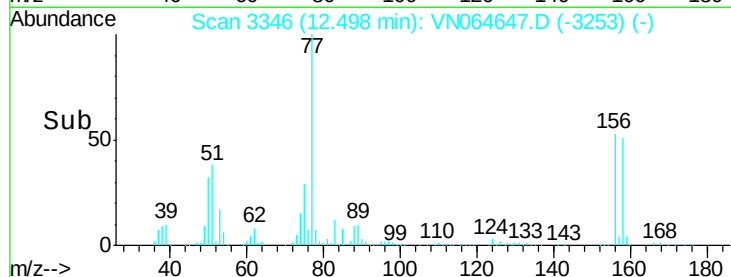
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.554 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064647.D

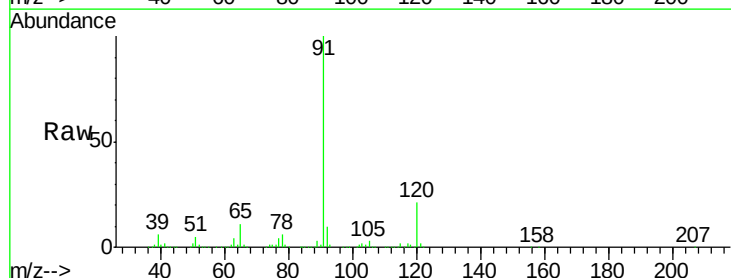
Acq: 13 Nov 2020 21:59

Tgt Ion: 91 Resp: 1042554

Ion Ratio Lower Upper

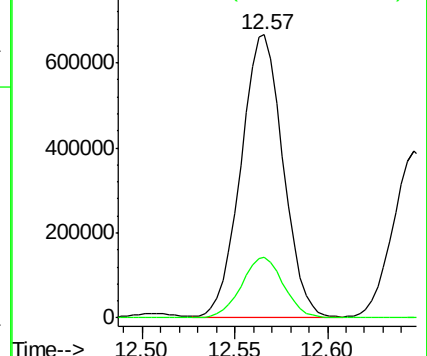
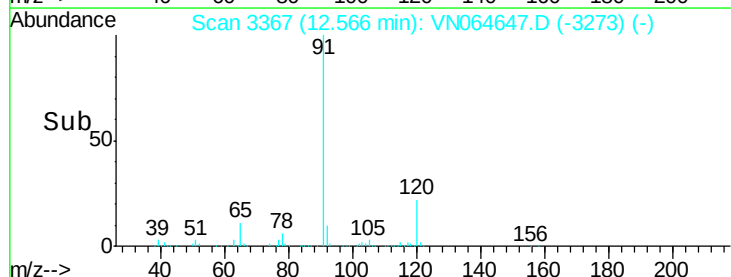
91 100

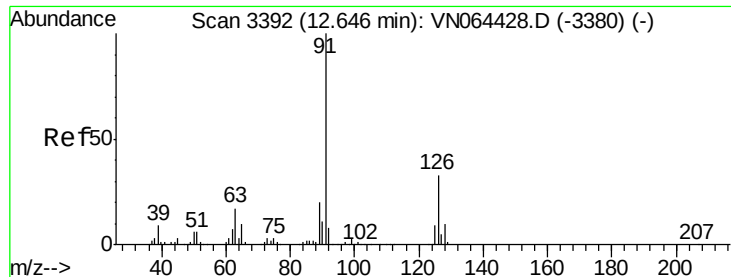
120 21.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.467 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 646432

Ion Ratio Lower Upper

91 100

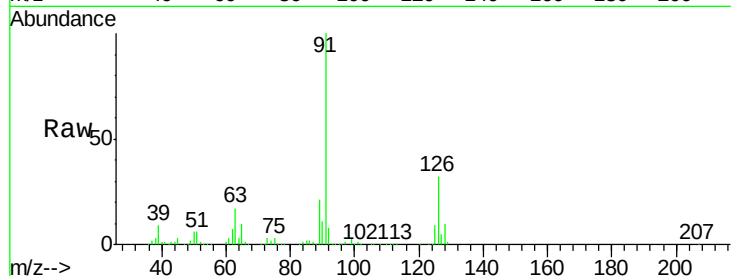
126 32.3 16.4 49.1

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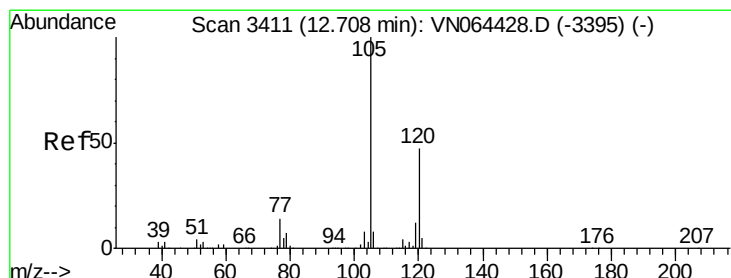
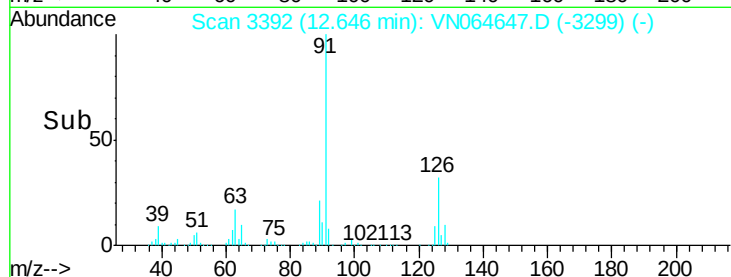
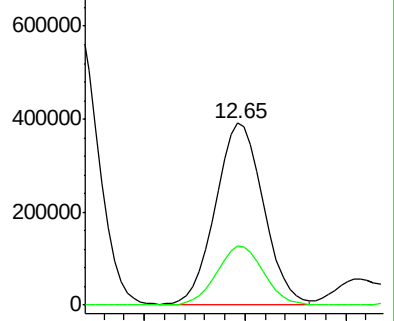
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Abundance Ion 91.00 (90.70 to 91.70): VN064647.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064647.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.138 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064647.D

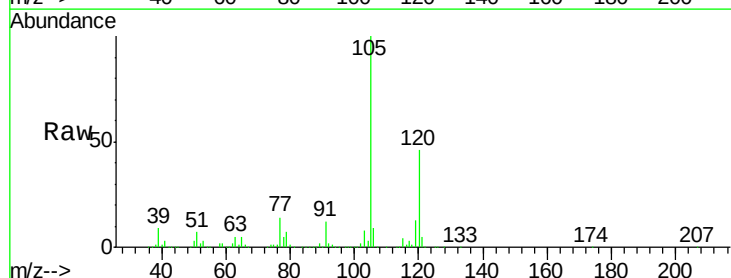
Acq: 13 Nov 2020 21:59

Tgt Ion: 105 Resp: 763477

Ion Ratio Lower Upper

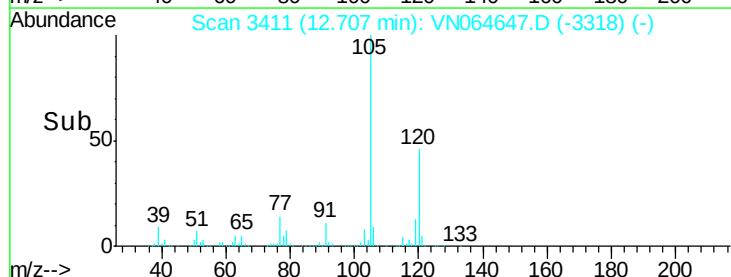
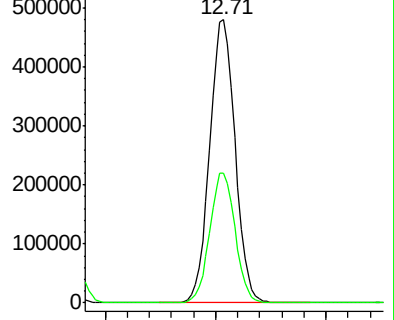
105 100

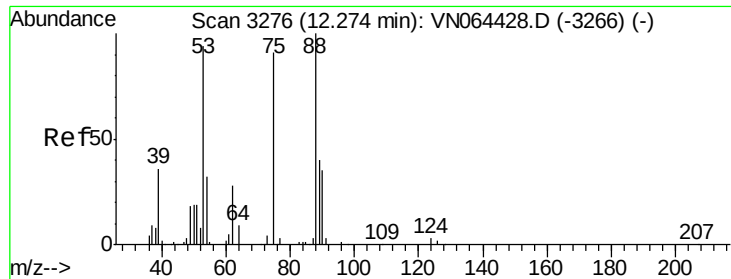
120 45.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064647.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064647.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.380 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 97423

Ion Ratio Lower Upper

75 100

53 105.7 84.0 126.0

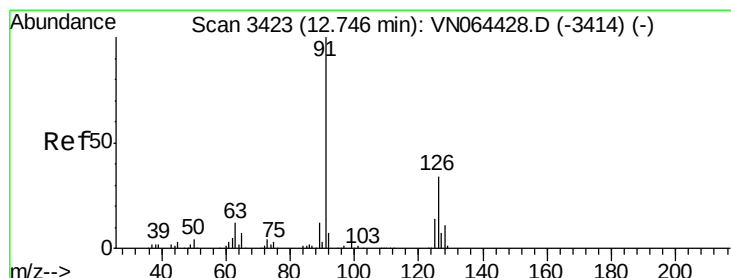
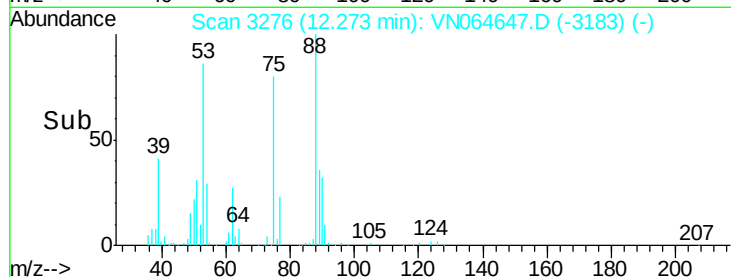
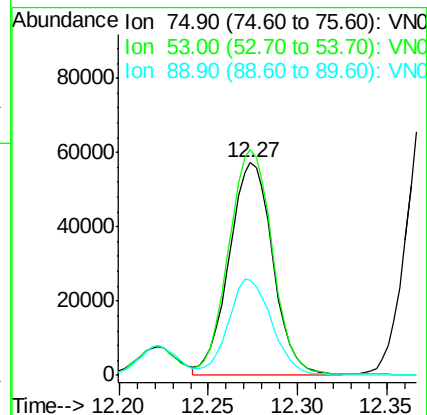
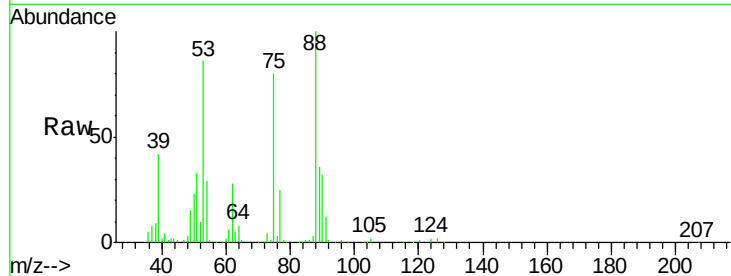
89 45.3 36.3 54.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 48.142 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064647.D

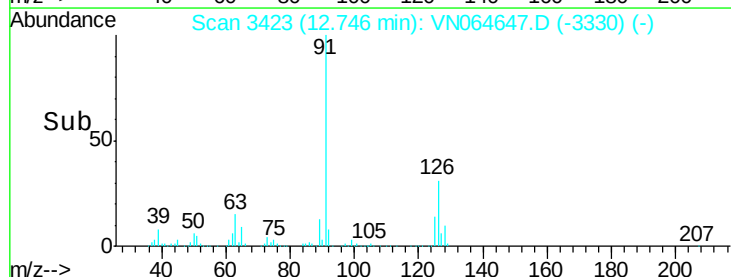
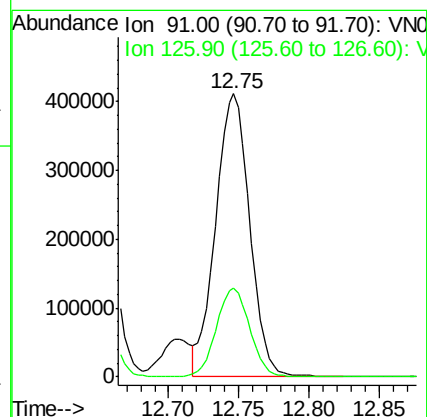
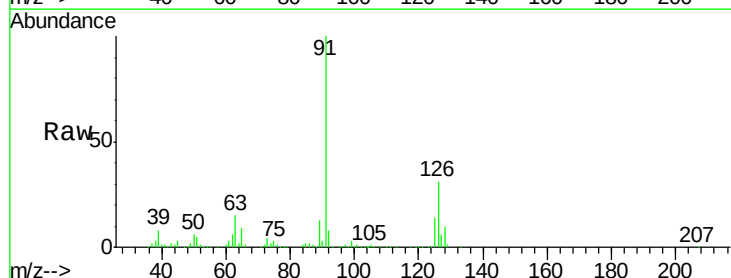
Acq: 13 Nov 2020 21:59

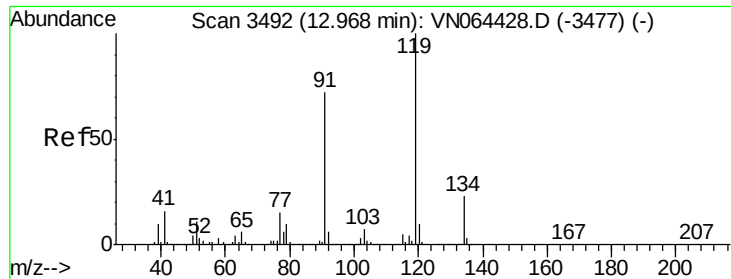
Tgt Ion: 91 Resp: 686596

Ion Ratio Lower Upper

91 100

126 30.8 15.4 46.2





#83

tert-Butylbenzene

Concen: 49.344 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

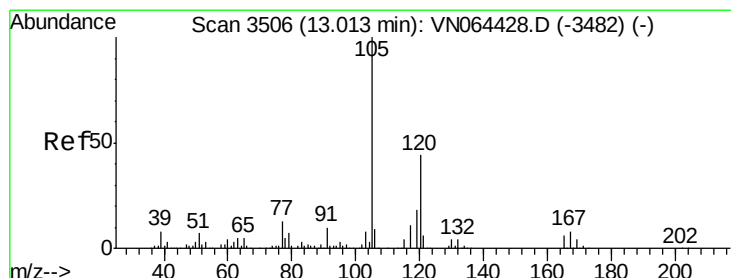
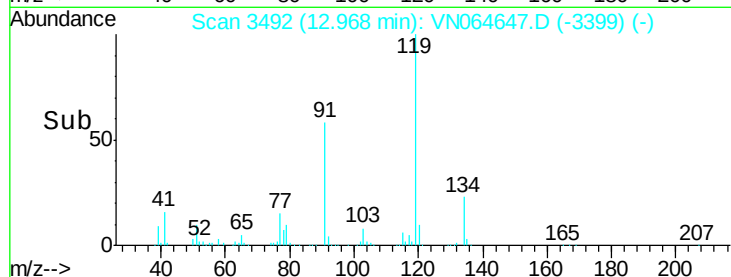
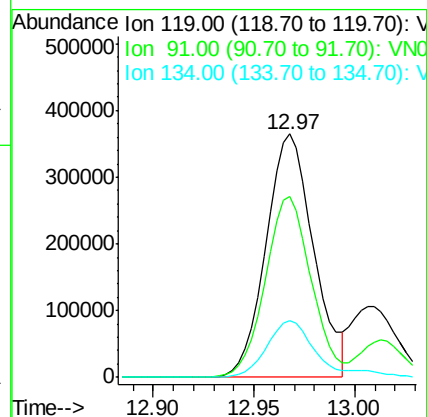
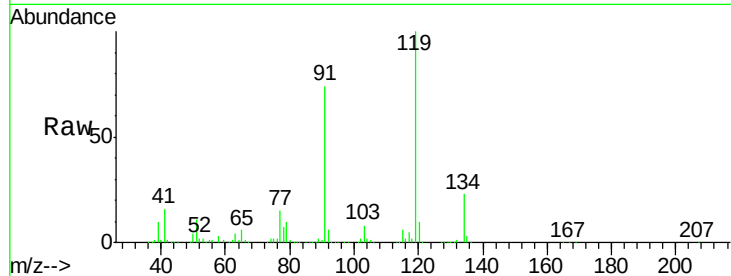
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	598782
Ion Ratio	Lower	Upper	
119	100		
91	71.3	36.1	108.3
134	22.9	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 49.678 ug/l

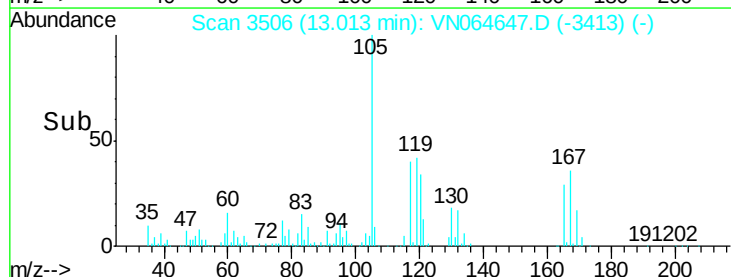
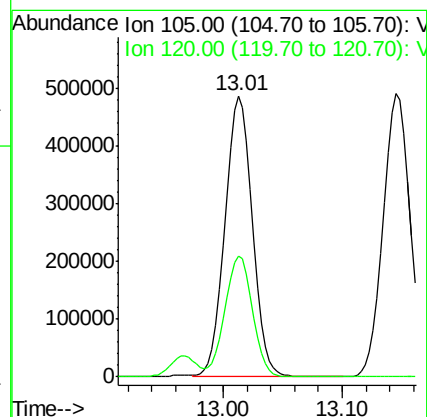
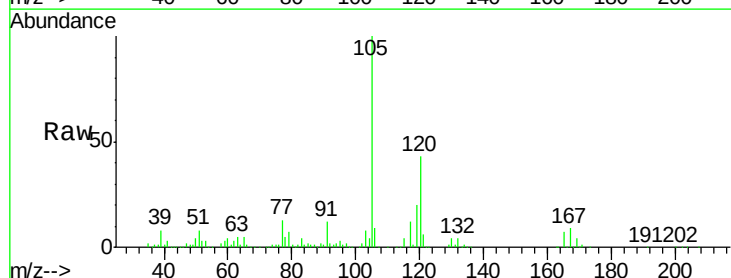
RT: 13.01 min Scan# 3506

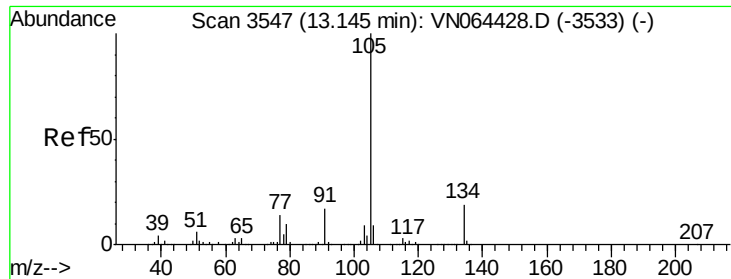
Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Tgt Ion:	105	Resp:	775941
Ion Ratio	Lower	Upper	
105	100		
120	43.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 50.346 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 773738

Ion Ratio Lower Upper

105 100

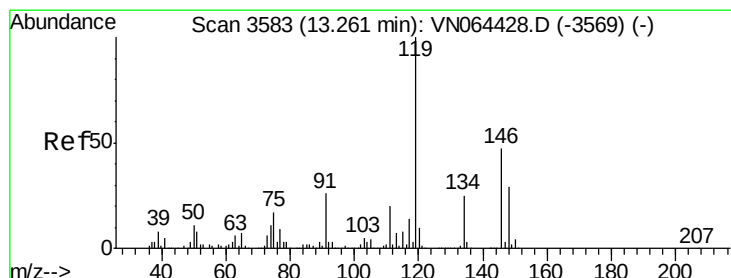
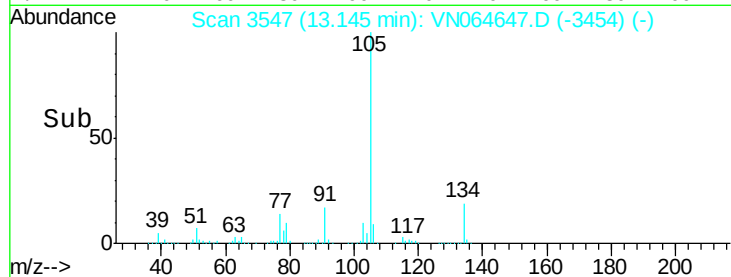
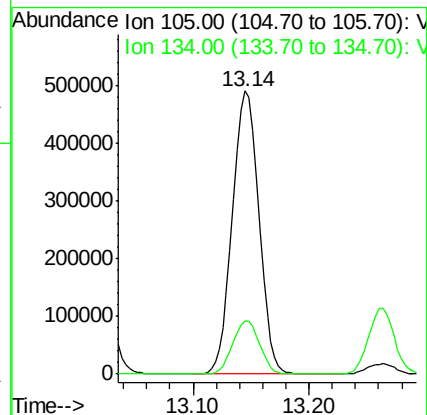
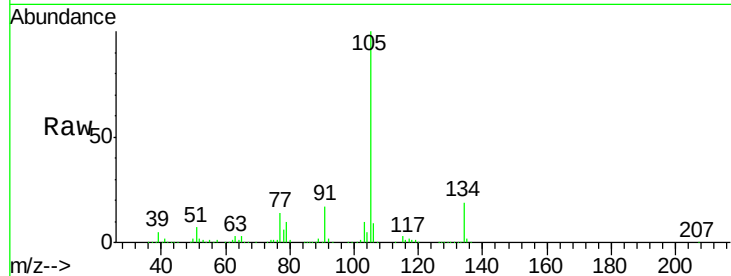
134 19.1 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.091 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064647.D

Acq: 13 Nov 2020 21:59

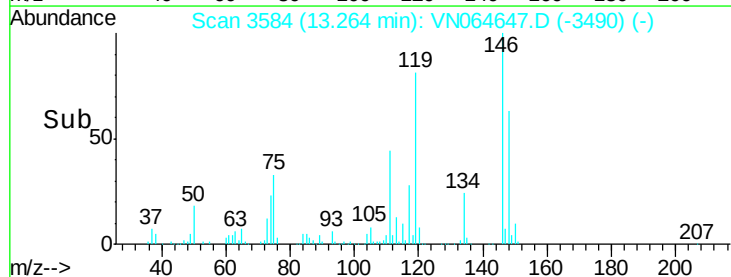
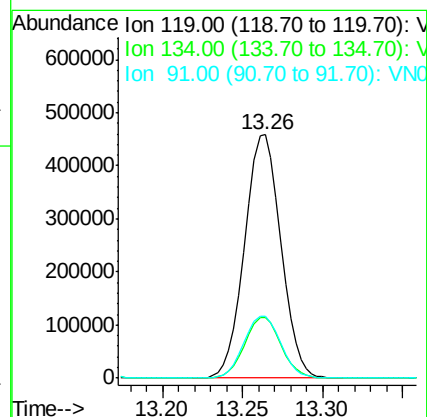
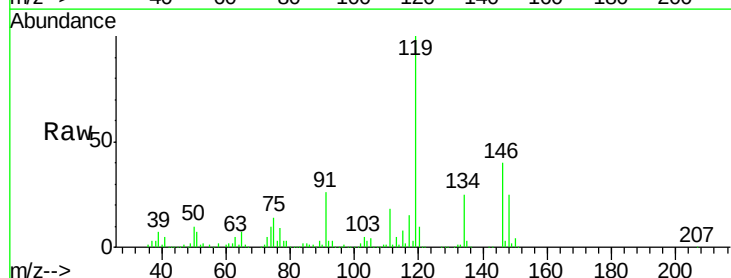
Tgt Ion:119 Resp: 706266

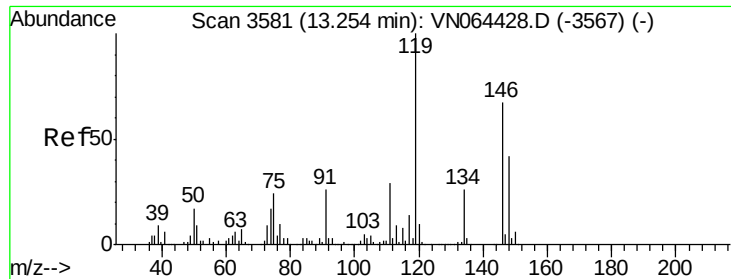
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 26.0 12.8 38.3





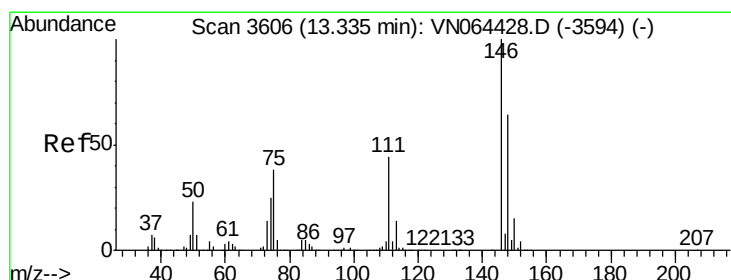
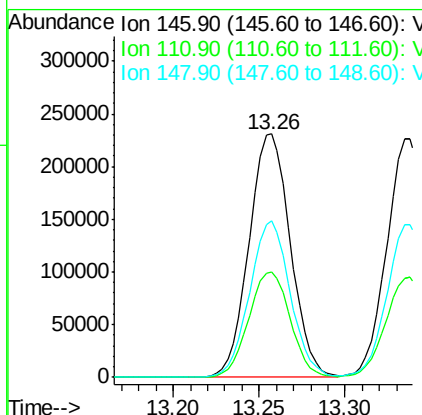
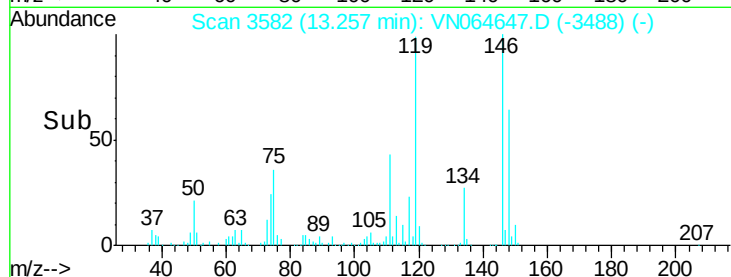
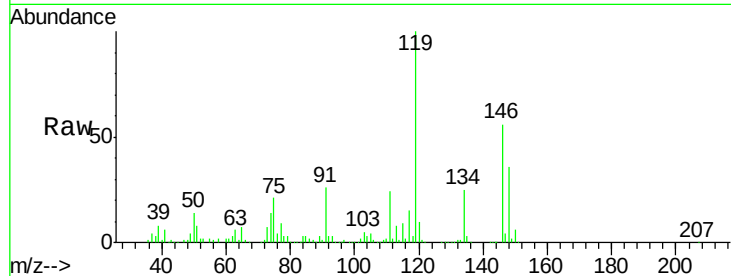
#87
 1,3-Dichlorobenzene
 Concen: 48.414 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.1
148	63.0	31.7	95.1

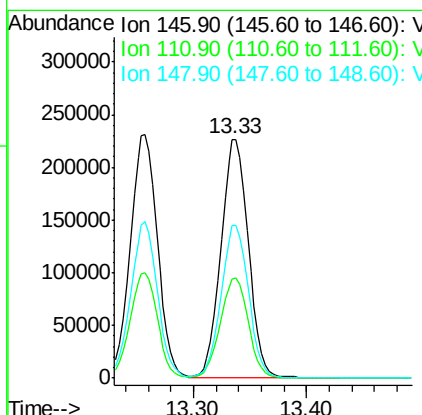
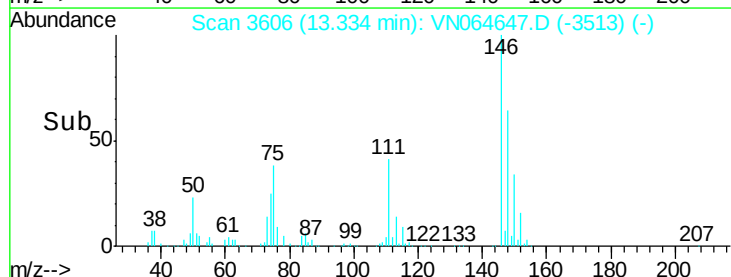
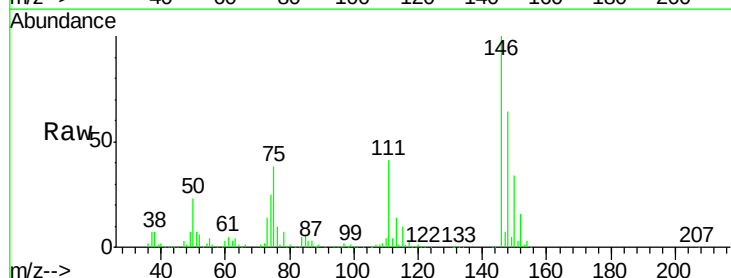
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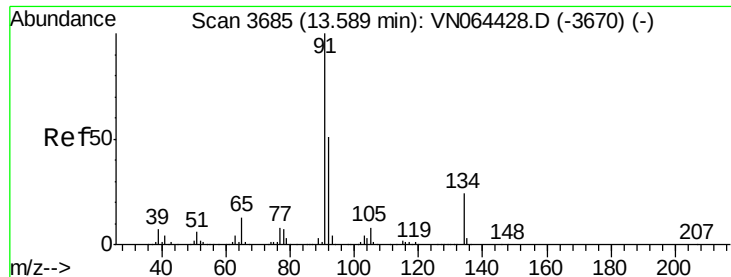
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#88
 1,4-Dichlorobenzene
 Concen: 46.583 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	63.9	32.4	97.2





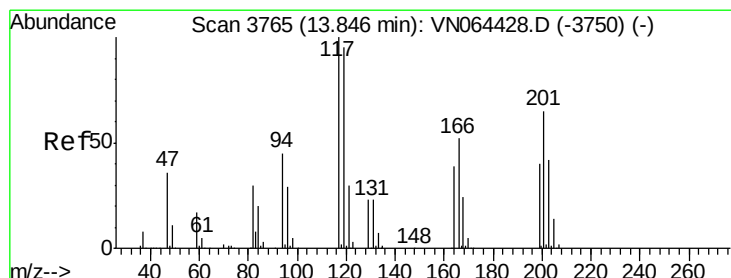
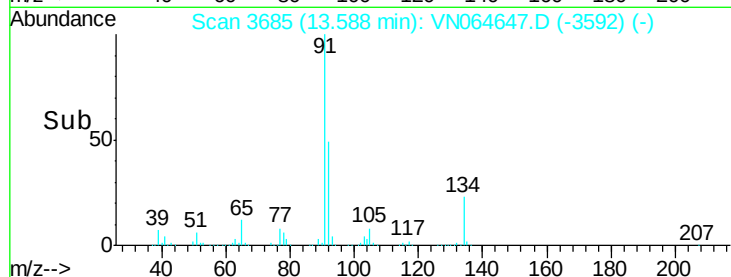
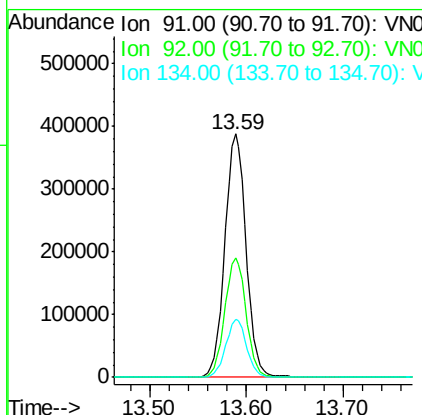
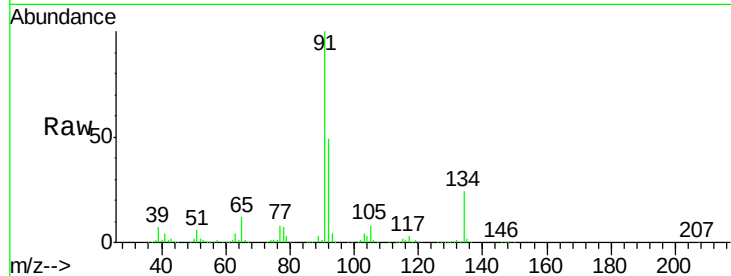
#89
n-Butylbenzene
Concen: 49.710 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.2	25.3	75.9
134	23.5	11.8	35.4

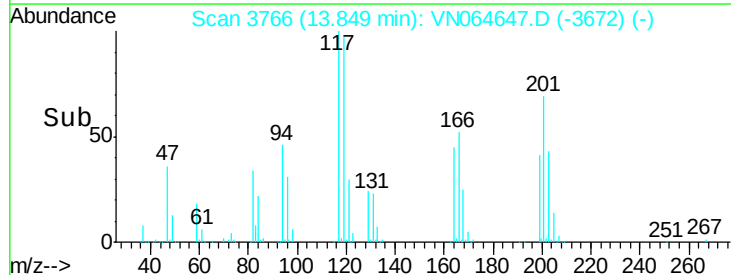
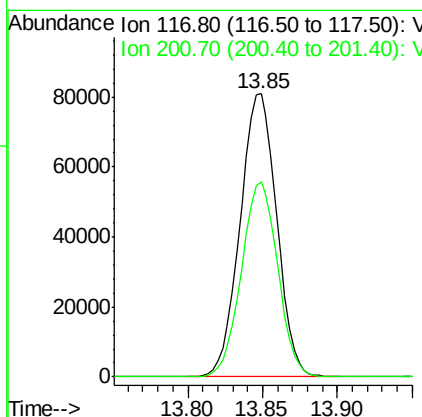
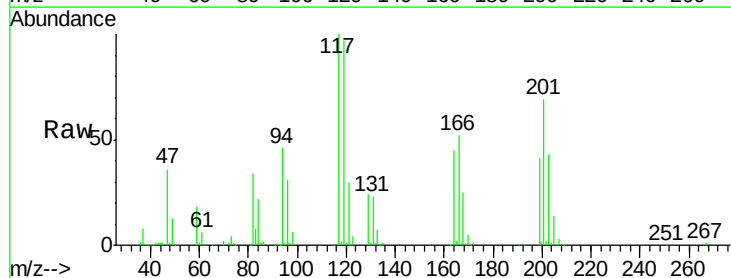
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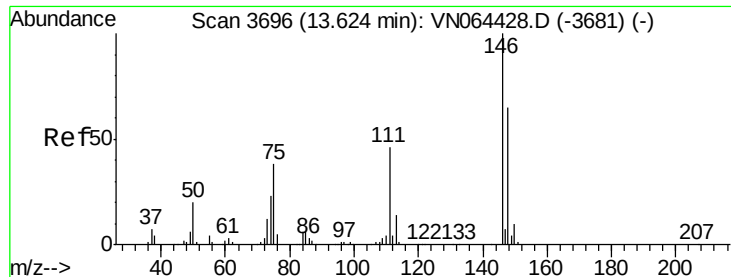
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#90
Hexachloroethane
Concen: 51.683 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	32.5	97.5





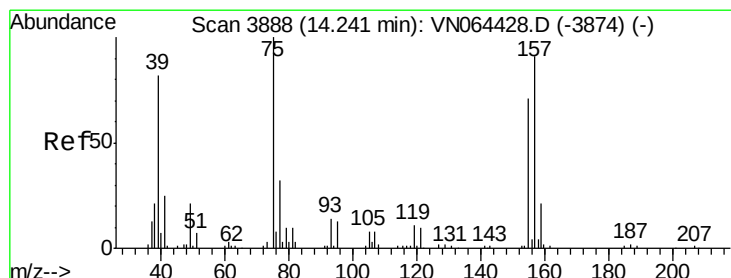
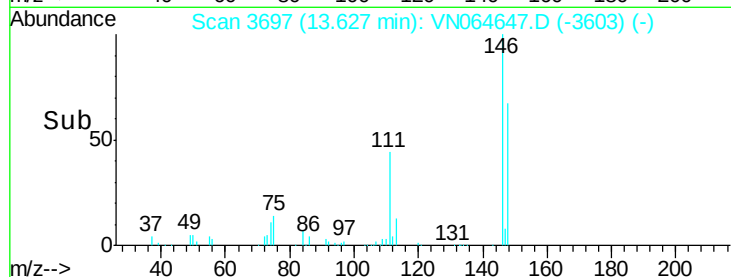
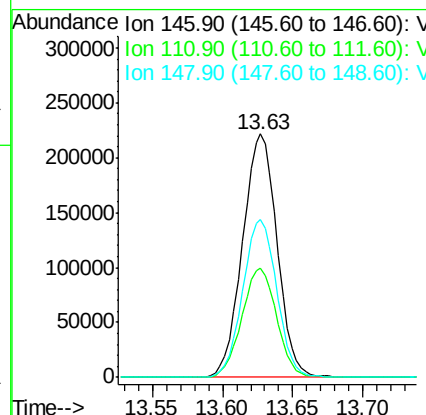
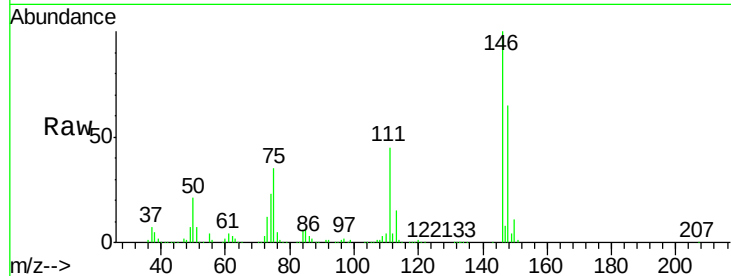
#91
 1,2-Dichlorobenzene
 Concen: 49.767 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.7
148	64.1	32.0	96.2

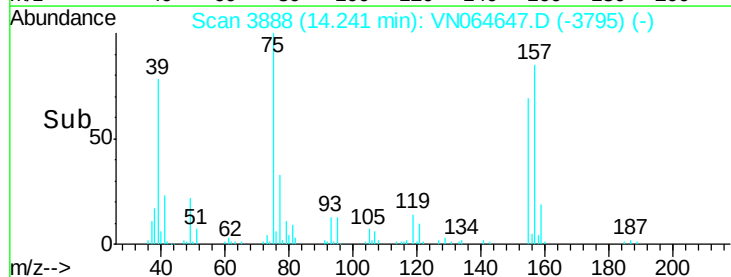
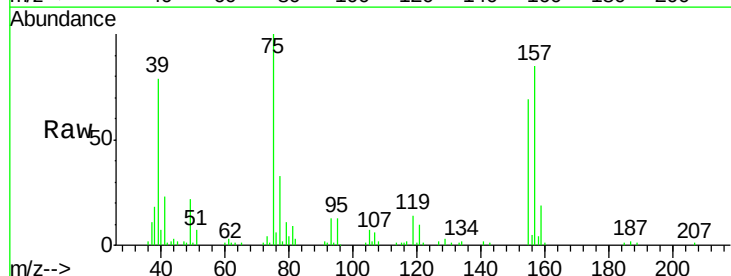
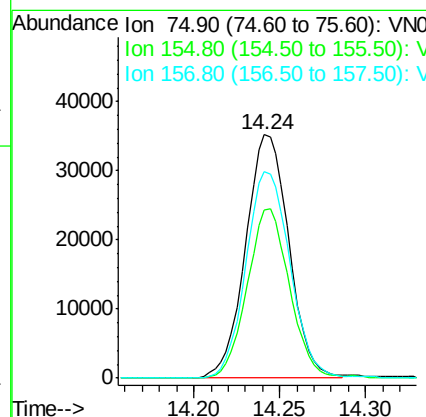
Manual Integrations
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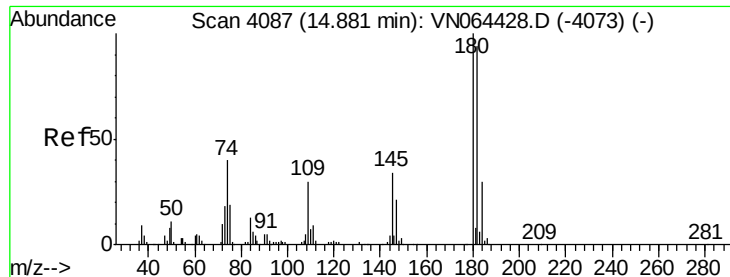
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.487 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.5	34.6	103.9
157	86.3	43.0	128.8





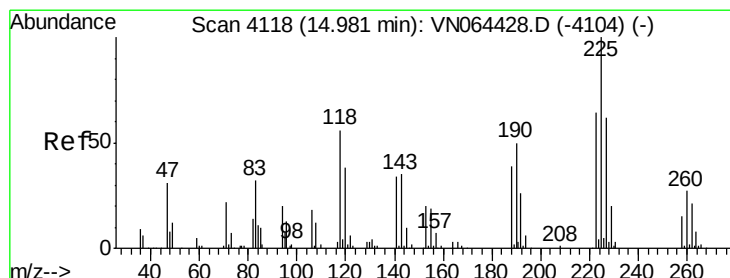
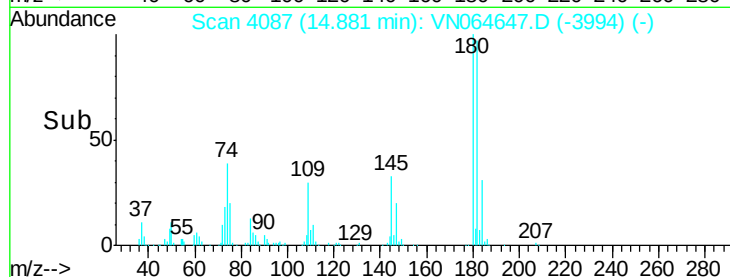
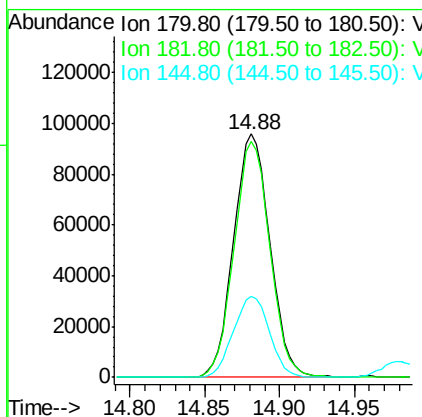
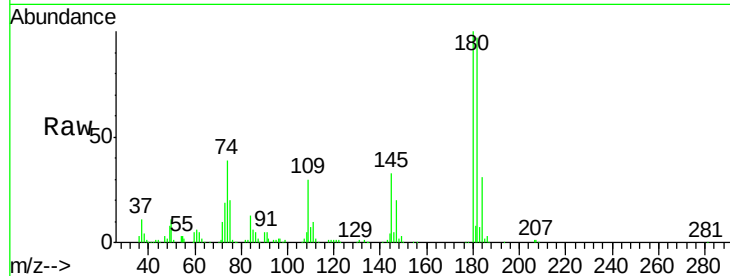
#93
 1,2,4-Trichlorobenzene
 Concen: 43.148 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162593		
182	95.6	47.3	142.0	
145	33.2	16.7	50.1	

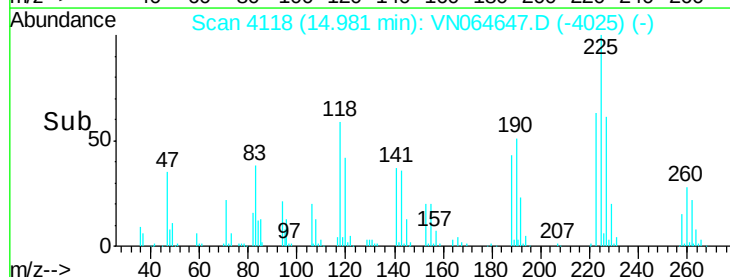
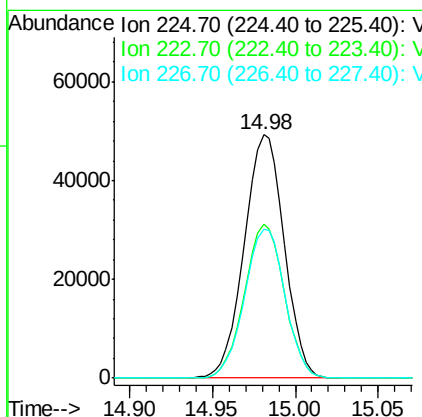
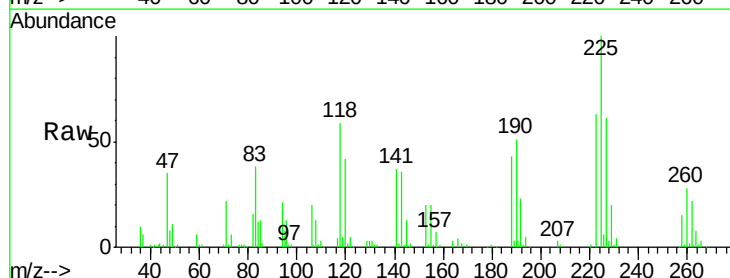
Manual Integrations
 APPROVED

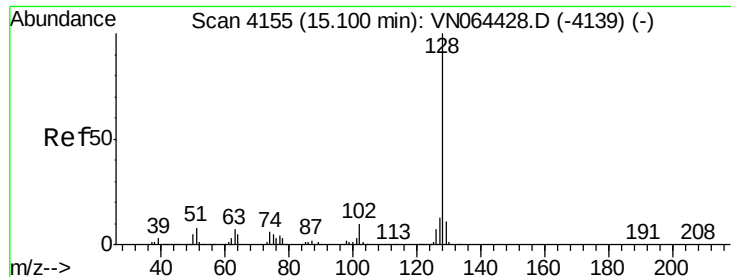
MMDadoda
 11/17/2020 6:41:54 PM



#94
 Hexachlorobutadiene
 Concen: 52.992 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064647.D
 Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82491		
223	63.0	31.8	95.4	
227	62.0	31.8	95.4	





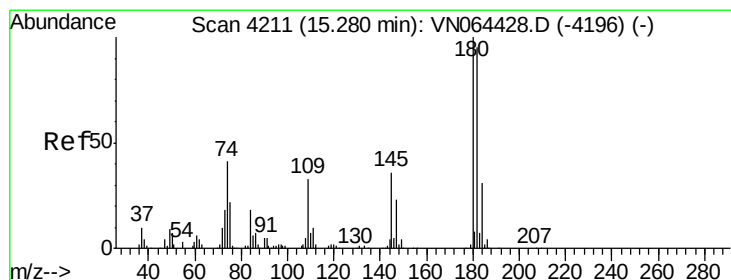
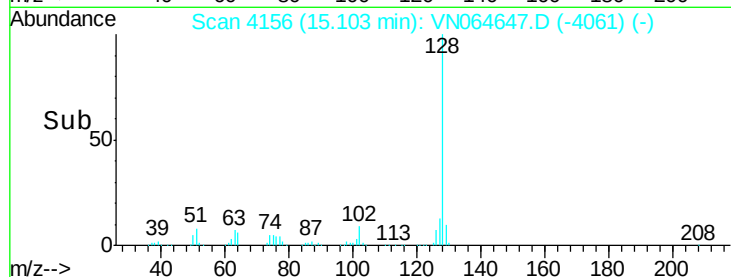
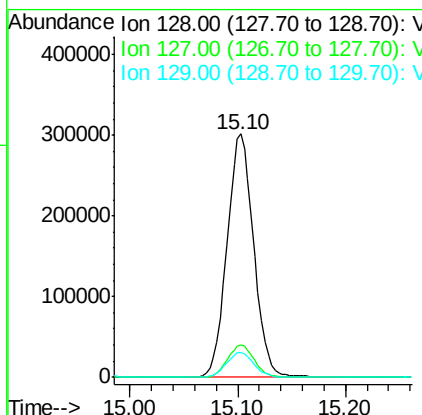
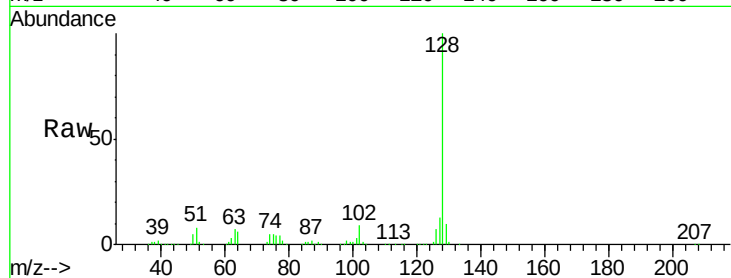
#95
Naphthalene
Concen: 40.780 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.618 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064647.D
Acq: 13 Nov 2020 21:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.7	143.1
145	34.4	18.3	54.8

