

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062205.D
 Acq On : 29 Jun 2020 22:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:42:43 AM

Quant Time: Jun 30 06:10:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	224395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	404883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	169442	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.55	113	132687	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.06	98	529185	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.38	95	180330	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113541	44.765	ug/l	98
3) Chloromethane	2.03	50	150164	50.296	ug/l	99
4) Vinyl Chloride	2.16	62	181306	45.391	ug/l	100
5) Bromomethane	2.52	94	121722	47.151	ug/l	98
6) Chloroethane	2.66	64	128002	46.912	ug/l	99
7) Trichlorofluoromethane	2.98	101	212183	43.111	ug/l	99
8) Diethyl Ether	3.37	74	90045	52.394	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	120652	46.812	ug/l	97
10) Methyl Iodide	3.91	142	156506	53.918	ug/l	99
11) Tert butyl alcohol	4.73	59	116840	258.422	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	124709	48.401	ug/l	100
13) Acrolein	3.56	56	127863	288.851	ug/l	100
14) Allyl chloride	4.28	41	178816	50.974	ug/l	100
15) Acrylonitrile	4.93	53	332120	269.563	ug/l	100
16) Acetone	3.77	43	256275	259.427	ug/l	97
17) Carbon Disulfide	4.00	76	345583	46.830	ug/l	99
18) Methyl Acetate	4.28	43	135478	54.120	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	430492	52.287	ug/l	98
20) Methylene Chloride	4.50	84	150876	52.202	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	140282	47.792	ug/l	98
22) Diisopropyl ether	5.90	45	423633	53.038	ug/l	98
23) Vinyl Acetate	5.84	43	1760501	269.964	ug/l	99
24) 1,1-Dichloroethane	5.80	63	261842	50.908	ug/l	99
25) 2-Butanone	6.79	43	410856	266.929	ug/l	99
26) 2,2-Dichloropropane	6.77	77	184928	43.146	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	161621	48.933	ug/l	99
28) Bromochloromethane	7.15	49	111724	50.064	ug/l	94
29) Tetrahydrofuran	7.17	42	275000	272.750	ug/l	100
30) Chloroform	7.33	83	263056	50.268	ug/l	98
31) Cyclohexane	7.61	56	210500	48.383	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	220106	49.875	ug/l	98
36) 1,1-Dichloropropene	7.75	75	193040	47.434	ug/l	98
37) Ethyl Acetate	6.88	43	178103	52.851	ug/l	98
38) Carbon Tetrachloride	7.73	117	181876	47.403	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	219660	49.261	ug/l	100
40) Benzene	8.00	78	609643	49.148	ug/l	98
41) Methacrylonitrile	7.13	41	76915m	49.232	ug/l	
42) 1,2-Dichloroethane	8.09	62	210649	50.263	ug/l	99
43) Isopropyl Acetate	8.13	43	290550	52.890	ug/l	98
44) Trichloroethene	8.80	130	145224	46.412	ug/l	97
45) 1,2-Dichloropropane	9.09	63	158485	51.789	ug/l	100
46) Dibromomethane	9.18	93	102317	49.314	ug/l	99
47) Bromodichloromethane	9.37	83	211951	50.593	ug/l	99
48) Methyl methacrylate	9.17	41	132425	53.763	ug/l	98
49) 1,4-Dioxane	9.17	88	56665	1037.382	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	898468	279.929	ug/l	100
52) Toluene	10.12	92	383344	50.650	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	233477	50.656	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	249517	50.849	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	154392	51.895	ug/l	98
56) Ethyl methacrylate	10.40	69	219602	55.310	ug/l	99
57) 1,3-Dichloropropane	10.68	76	263759	51.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	418004	247.455	ug/l	98
59) 2-Hexanone	10.72	43	660643	285.047	ug/l	99
60) Dibromochloromethane	10.87	129	159194	50.541	ug/l	100
61) 1,2-Dibromoethane	10.98	107	153320	50.154	ug/l	100
64) Tetrachloroethene	10.60	164	116423	44.406	ug/l	98
65) Chlorobenzene	11.41	112	401157	47.595	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	142926	49.039	ug/l	99
67) Ethyl Benzene	11.48	91	719377	50.536	ug/l	100
68) m/p-Xylenes	11.60	106	553239	100.483	ug/l	99
69) o-Xylene	11.92	106	263107	50.648	ug/l	97
70) Styrene	11.94	104	453713	52.370	ug/l	99
71) Bromoform	12.10	173	101548	49.004	ug/l #	100
73) Isopropylbenzene	12.22	105	700693	50.112	ug/l	99
74) N-amyl acetate	12.05	43	260703	50.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	230852	49.613	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	194362m	45.708	ug/l	
77) Bromobenzene	12.50	156	163489	47.096	ug/l	96
78) n-propylbenzene	12.57	91	810740	50.690	ug/l	99
79) 2-Chlorotoluene	12.65	91	474608	49.085	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	579427	51.118	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	71999	49.447	ug/l	97
82) 4-Chlorotoluene	12.75	91	496058	49.611	ug/l	98
83) tert-Butylbenzene	12.97	119	495820	51.112	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	578171	51.072	ug/l	100
85) sec-Butylbenzene	13.15	105	674792	52.644	ug/l	99
86) p-Isopropyltoluene	13.26	119	590382	52.571	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	293895	48.213	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	291329	46.363	ug/l	100
89) n-Butylbenzene	13.59	91	496055	53.130	ug/l	99
90) Hexachloroethane	13.85	117	113905	51.696	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	288003	48.722	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	37710	50.591	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	125088	48.440	ug/l	100
94) Hexachlorobutadiene	14.99	225	56092	50.012	ug/l	99
95) Naphthalene	15.10	128	377076	44.291	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	128308	48.593	ug/l	98

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

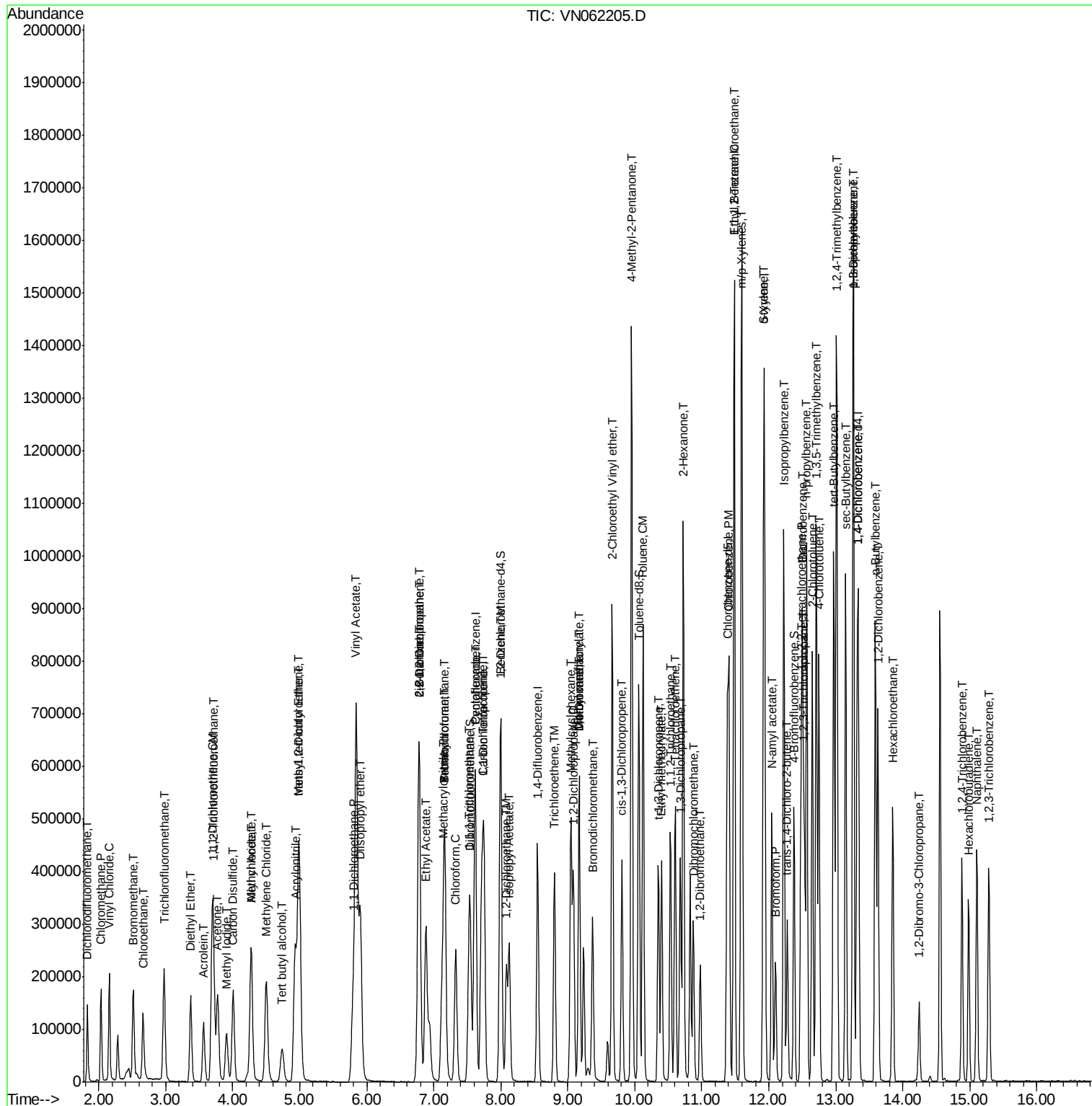
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Data File : VN062205.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 224395

Ion Ratio Lower Upper

168 100

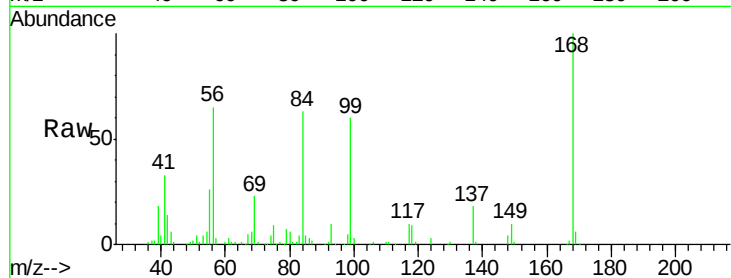
99 59.4 45.8 68.8

Manual Integrations

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6/30/2020 10:42:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

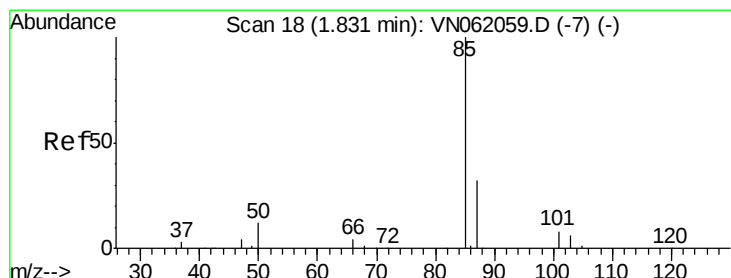
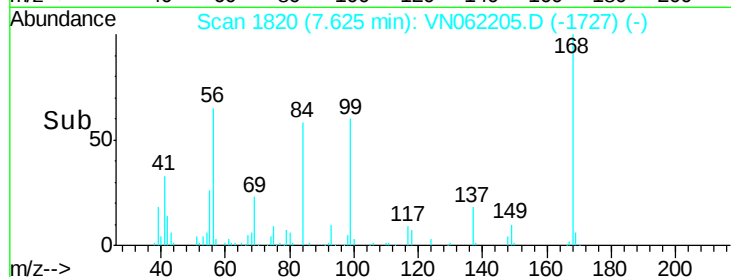
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.765 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062205.D

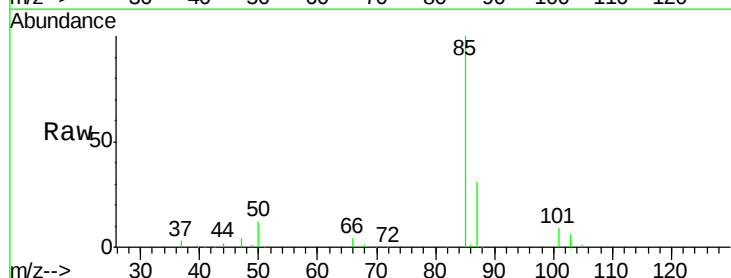
Acq: 29 Jun 2020 22:33

Tgt Ion: 85 Resp: 113541

Ion Ratio Lower Upper

85 100

87 30.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

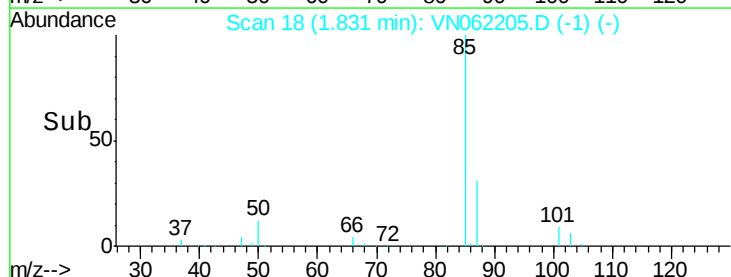
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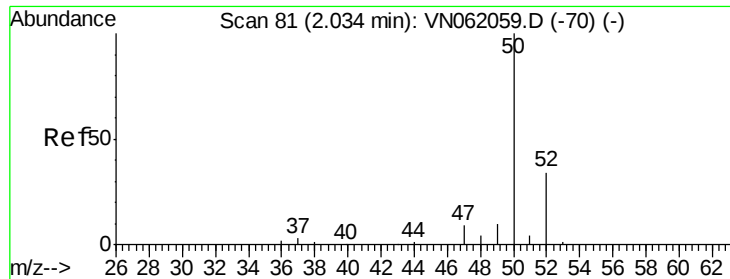
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20000

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Time-->





#3

Chloromethane

Concen: 50.296 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 150164

Ion Ratio Lower Upper

50 100

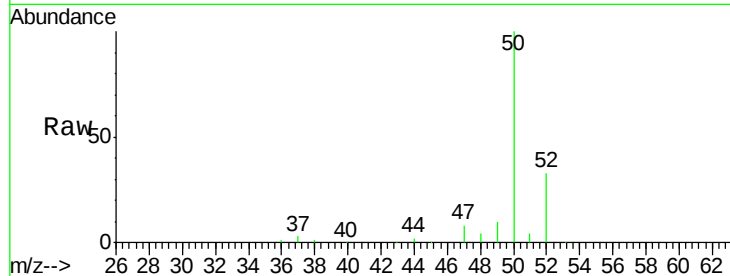
52 33.3 27.0 40.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

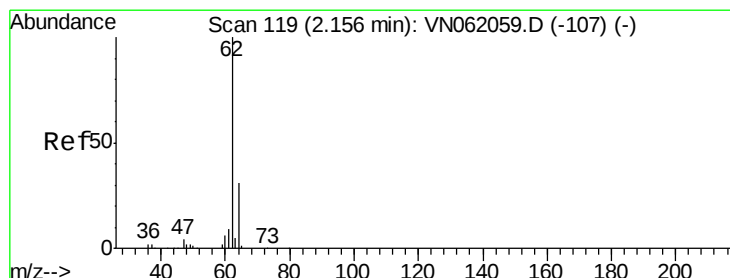
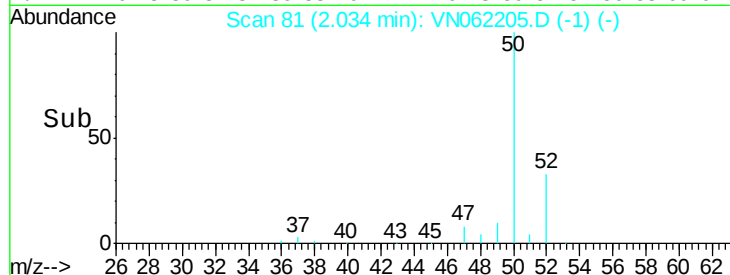
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.391 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062205.D

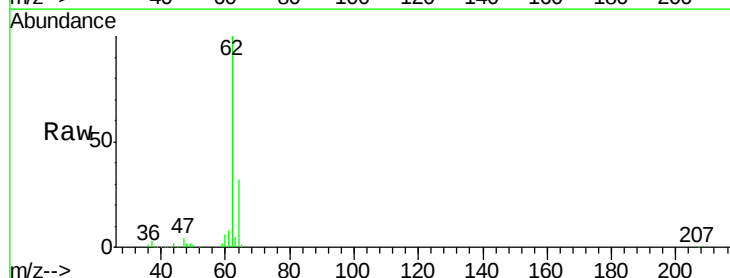
Acq: 29 Jun 2020 22:33

Tgt Ion: 62 Resp: 181306

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

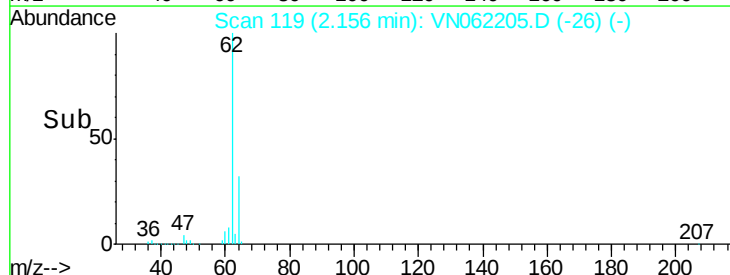
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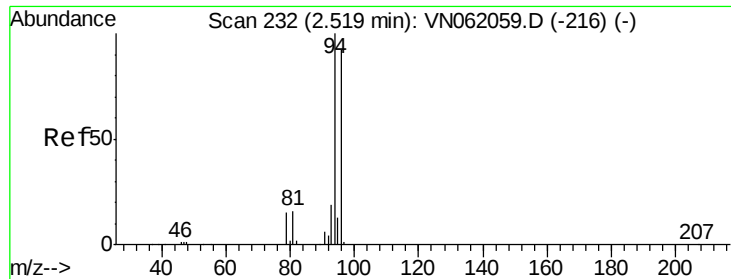
100000

50000

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Time-->





#5

Bromomethane

Concen: 47.151 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 121722

Ion Ratio Lower Upper

94 100

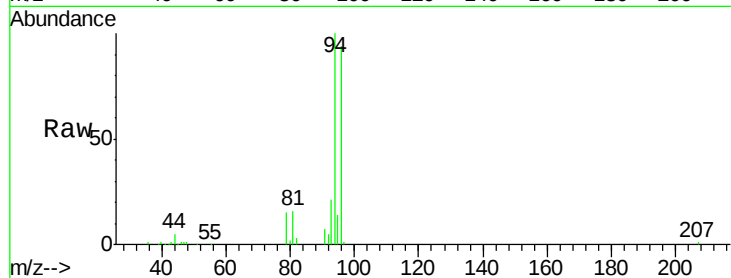
96 93.9 73.4 110.2

Manual Integrations

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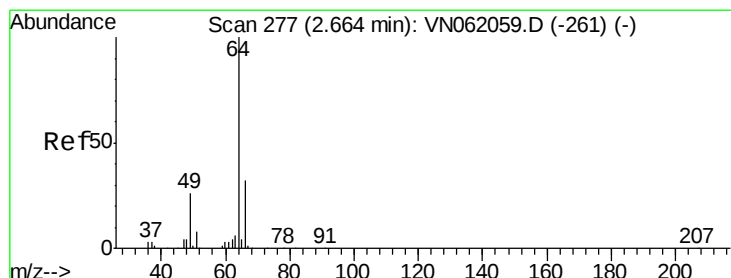
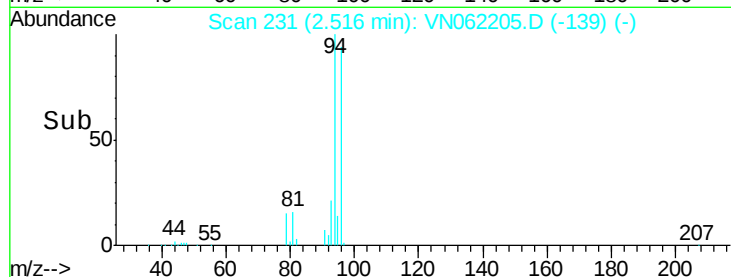
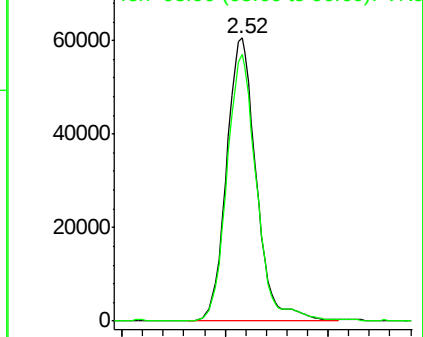
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6/30/2020 10:42:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.912 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062205.D

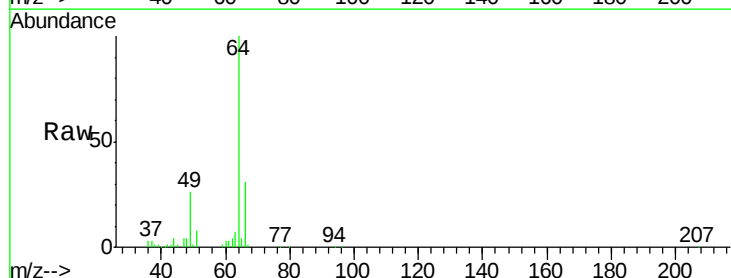
Acq: 29 Jun 2020 22:33

Tgt Ion: 64 Resp: 128002

Ion Ratio Lower Upper

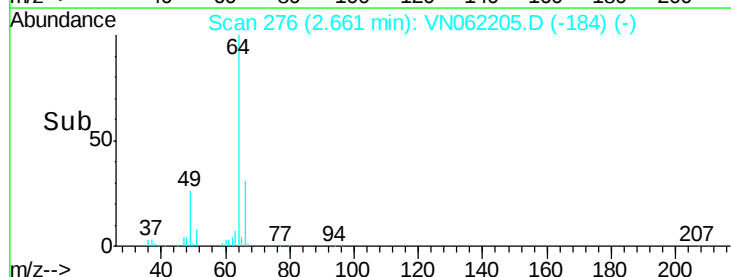
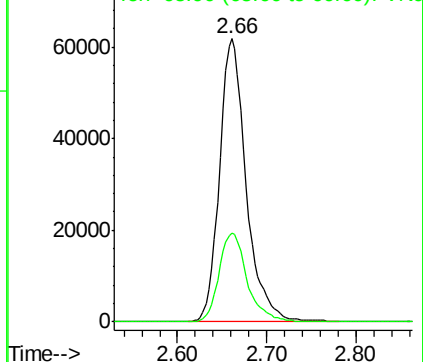
64 100

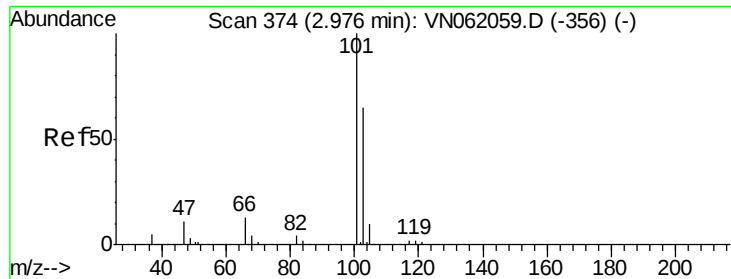
66 31.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

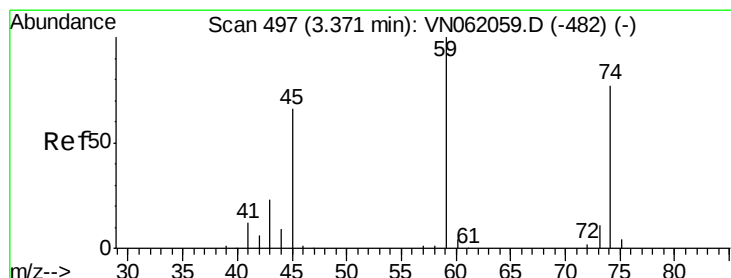
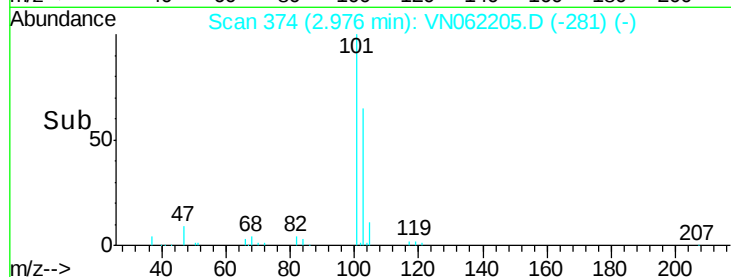
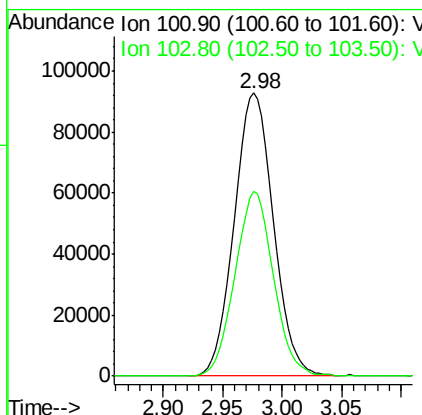
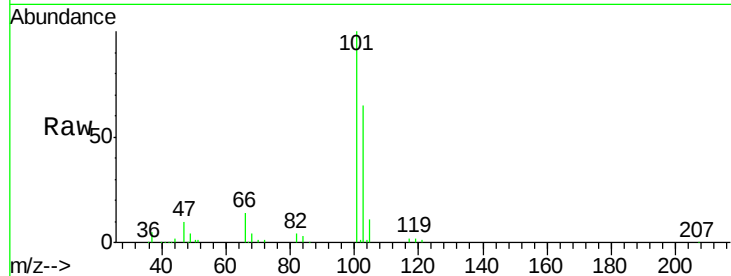
Trichlorofluoromethane
Concen: 43.111 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

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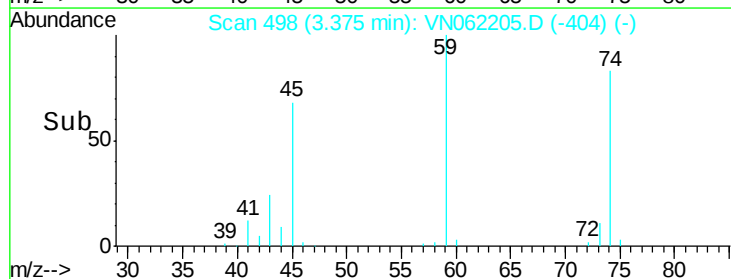
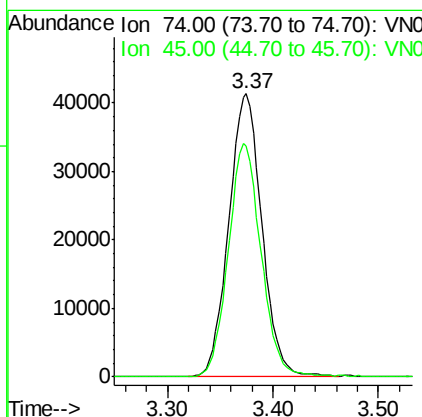
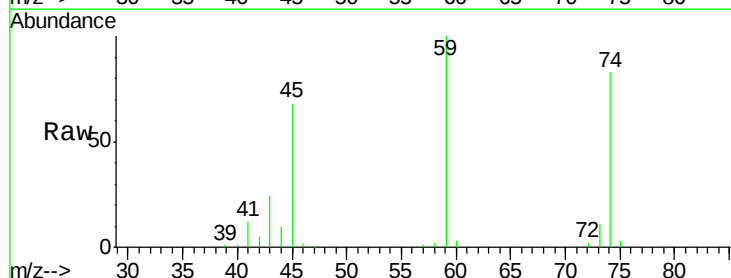
MMDadoda
6/30/2020 10:42:43 AM

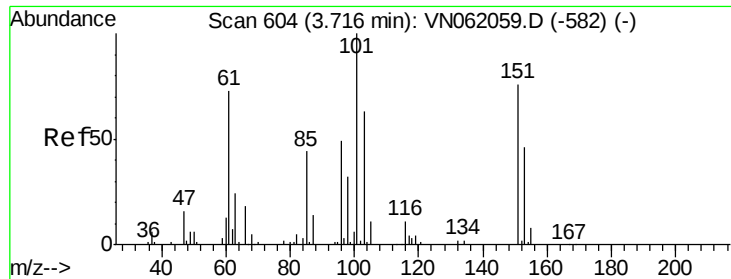


#8

Diethyl Ether
Concen: 52.394 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.5	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.812 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062205.D

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Instrument :

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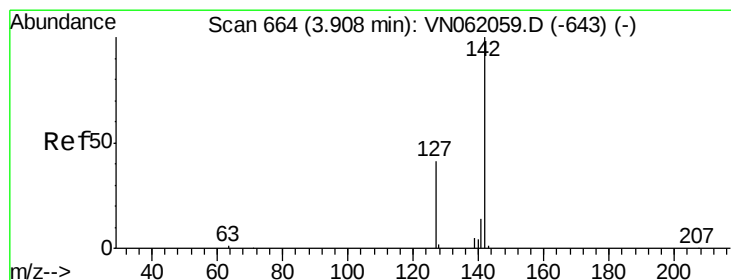
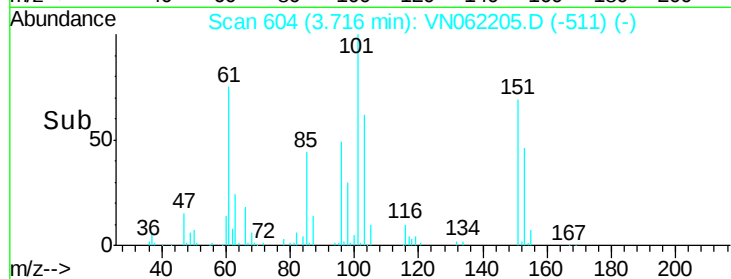
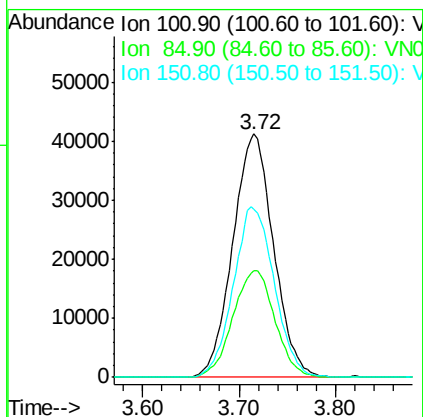
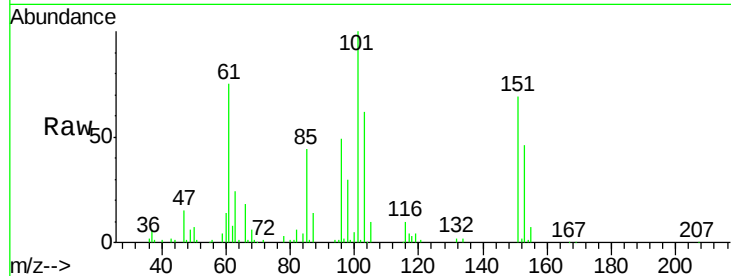
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	120652
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.5	51.7
151	70.4	57.8	86.8

Manual Integrations
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6/30/2020 10:42:43 AM



#10

Methyl Iodide

Concen: 53.918 ug/l

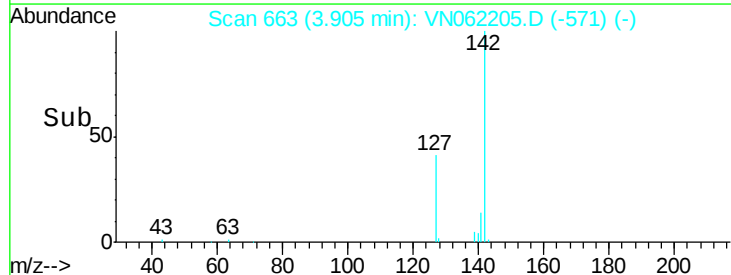
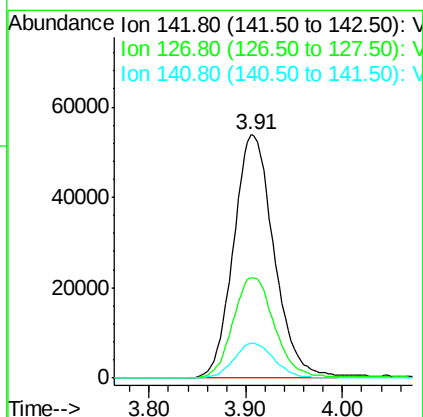
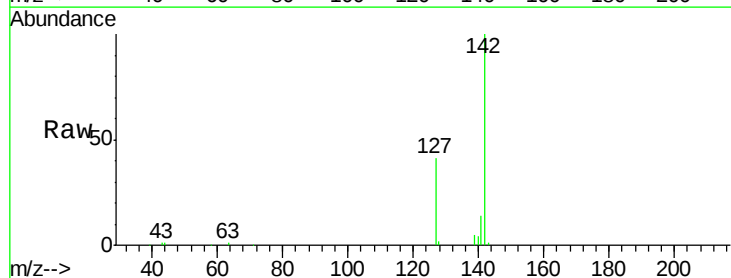
RT: 3.91 min Scan# 663

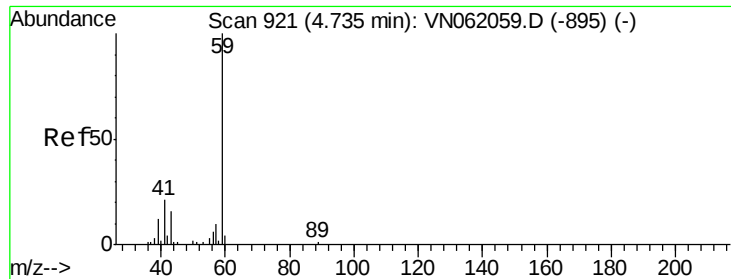
Delta R.T. -0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion:	142	Resp:	156506
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.6	50.4
141	14.2	11.3	16.9





#11

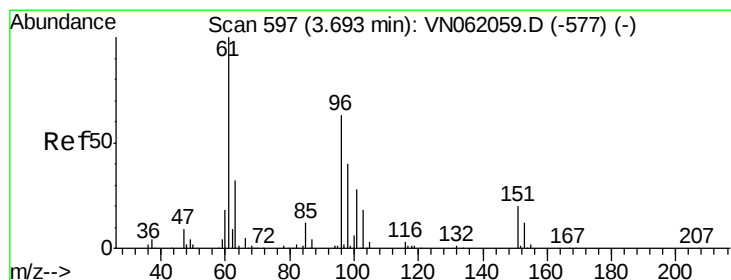
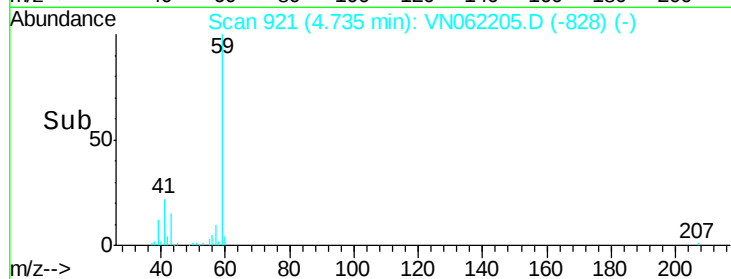
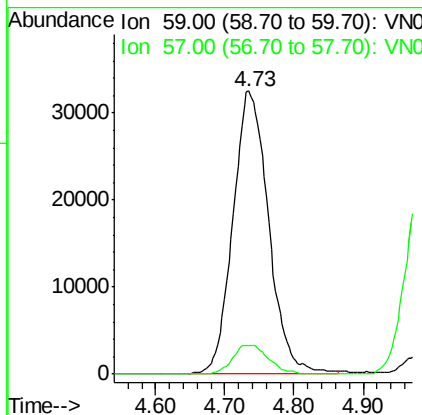
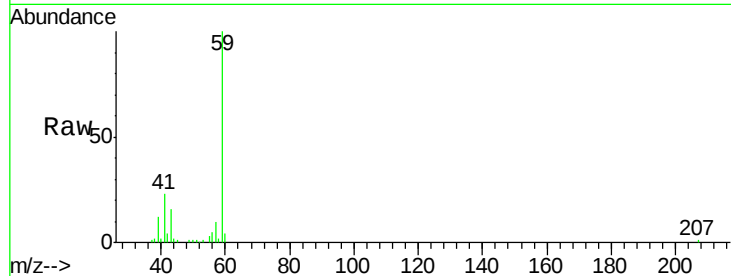
Tert butyl alcohol
Concen: 258.422 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	116840		
57	4.9		8.3	12.5#

Manual Integrations
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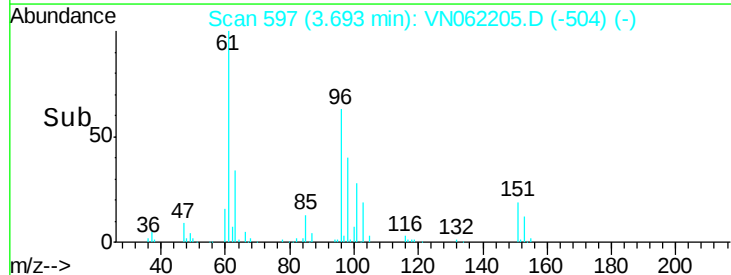
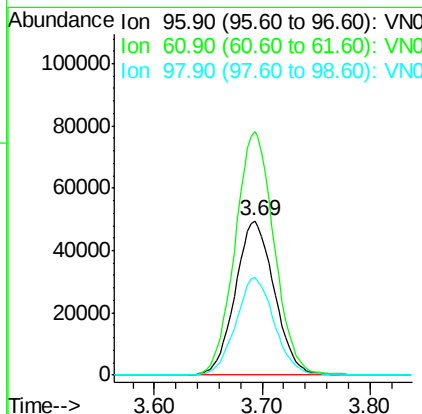
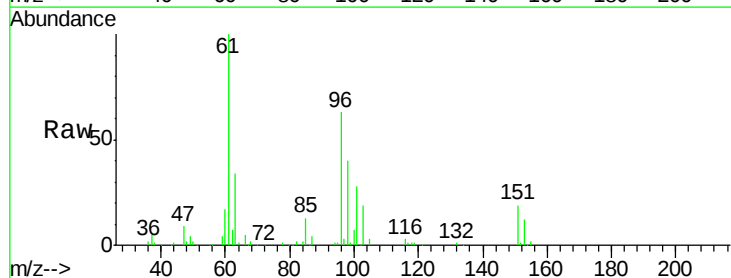
MMDadoda
6/30/2020 10:42:43 AM

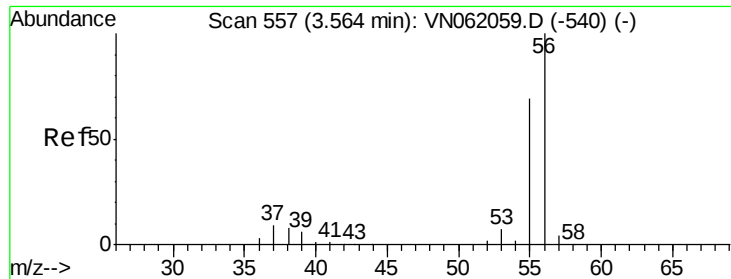


#12

1,1-Dichloroethene
Concen: 48.401 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	124709		
61	158.1		126.7	190.1
98	63.0		51.0	76.4





#13

Acrolein

Concen: 288.851 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 127863

Ion Ratio Lower Upper

56 100

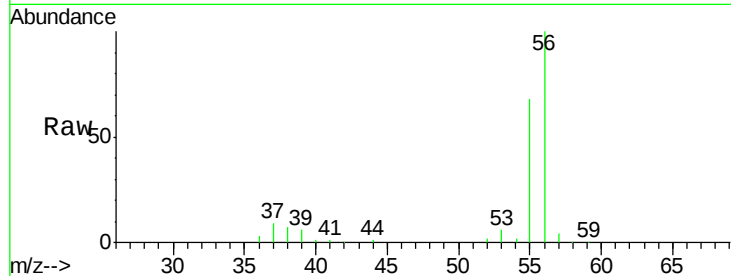
55 69.8 55.5 83.3

Manual Integrations

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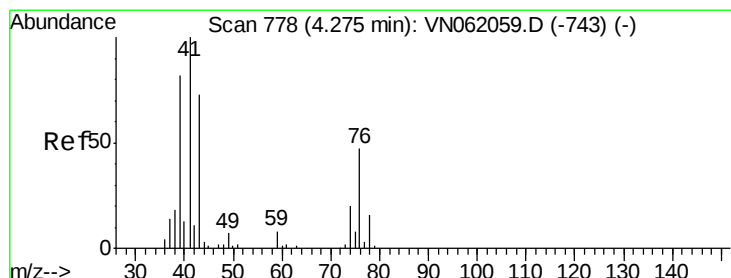
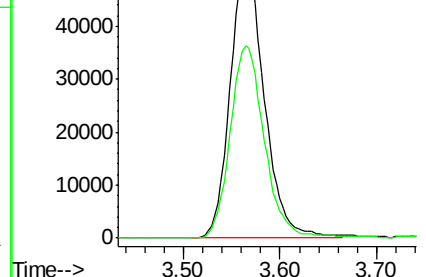
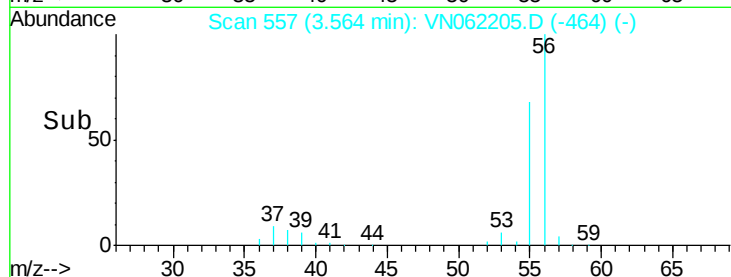


Abundance Ion 56.00 (55.70 to 56.70): VN062205.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN062205.D (-540) (-)

3.56

Time-->



#14

Allyl chloride

Concen: 50.974 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

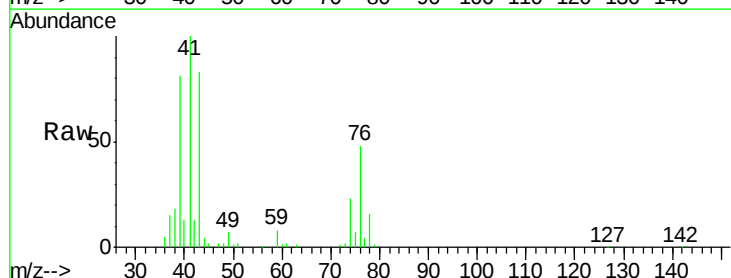
Tgt Ion: 41 Resp: 178816

Ion Ratio Lower Upper

41 100

39 74.6 60.0 90.0

76 42.9 34.1 51.1



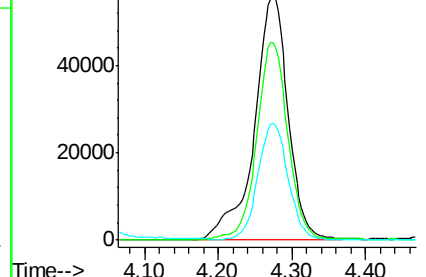
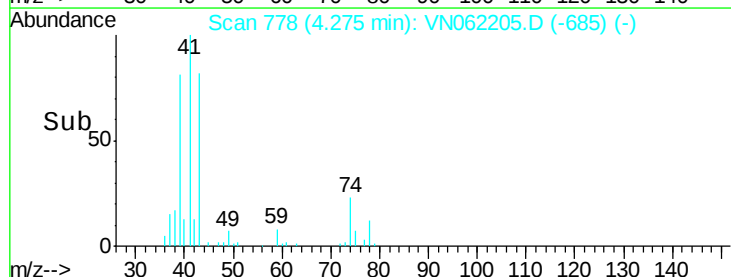
Abundance Ion 41.00 (40.70 to 41.70): VN062205.D (-685) (-)

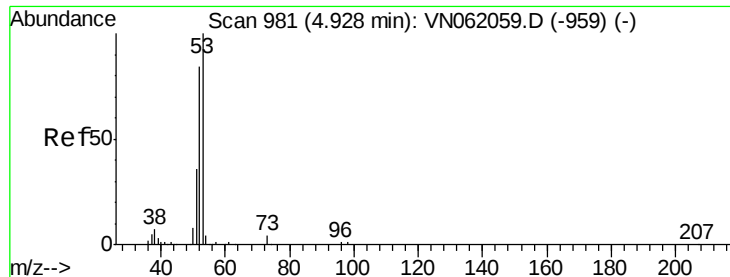
Ion 39.00 (38.70 to 39.70): VN062205.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN062205.D (-685) (-)

4.28

Time-->





#15

Acrylonitrile

Concen: 269.563 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

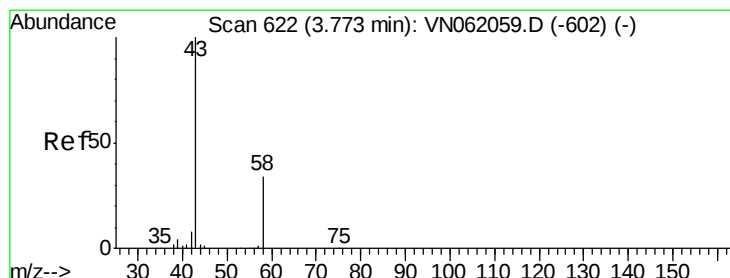
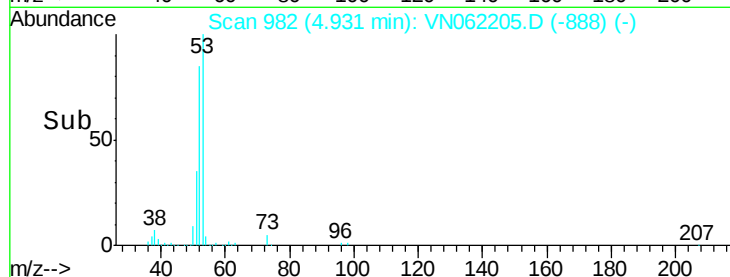
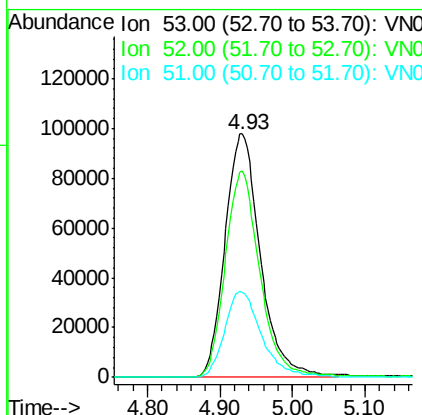
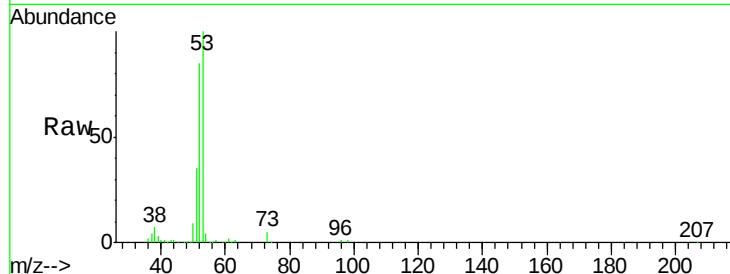
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	332120
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.4
51	36.3	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 259.427 ug/l

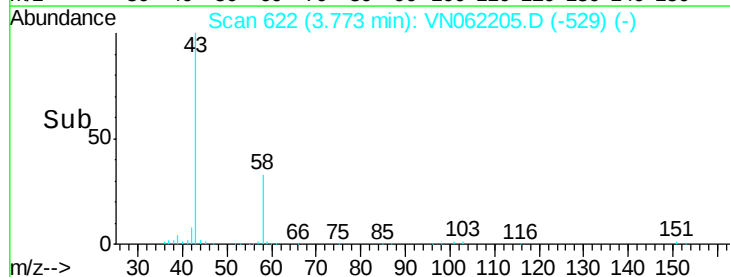
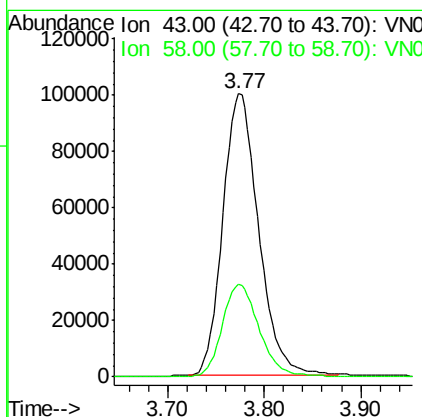
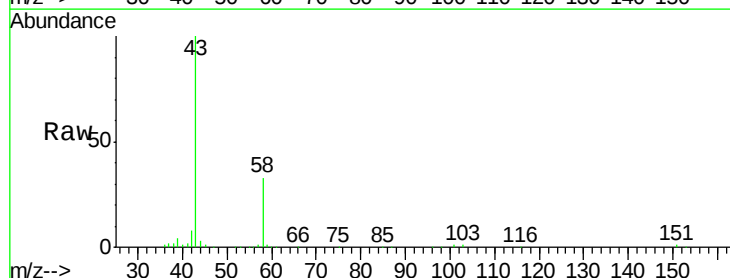
RT: 3.77 min Scan# 622

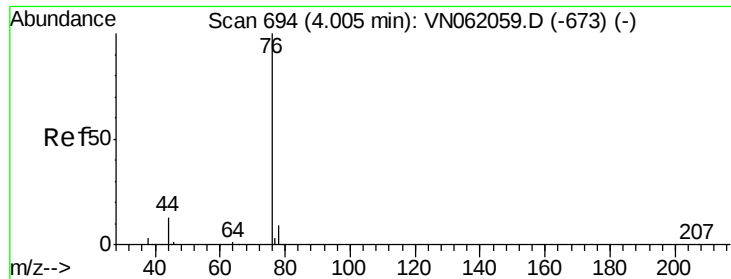
Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion:	43	Resp:	256275
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.5	41.3





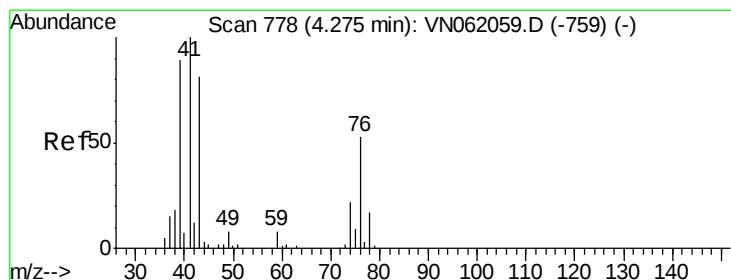
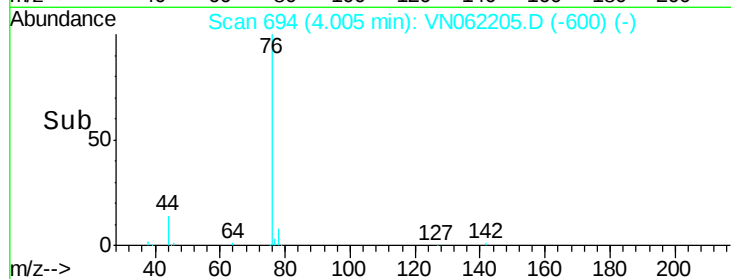
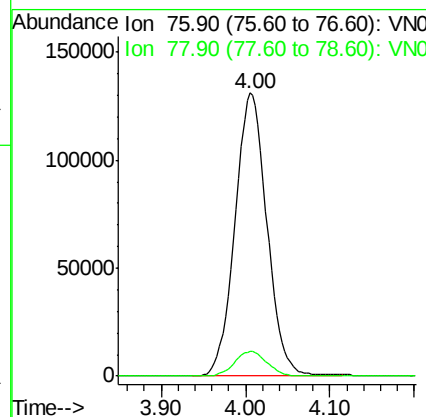
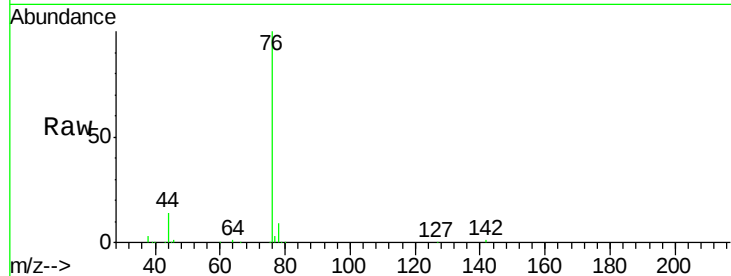
#17
Carbon Disulfide
Concen: 46.830 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

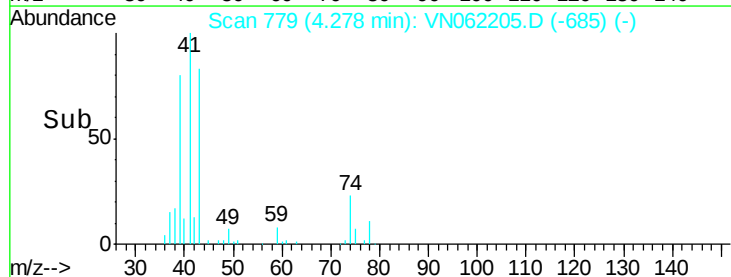
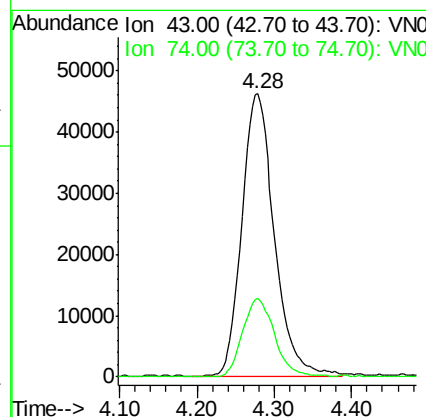
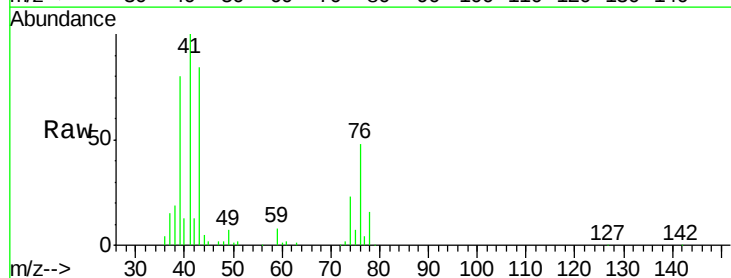
Manual Integrations
APPROVED

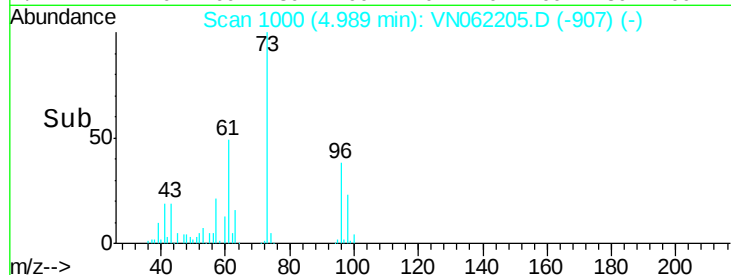
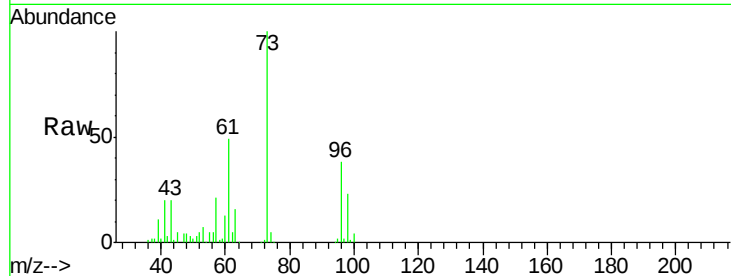
MMDadoda
6/30/2020 10:42:43 AM



#18
Methyl Acetate
Concen: 54.120 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	22.9	34.3





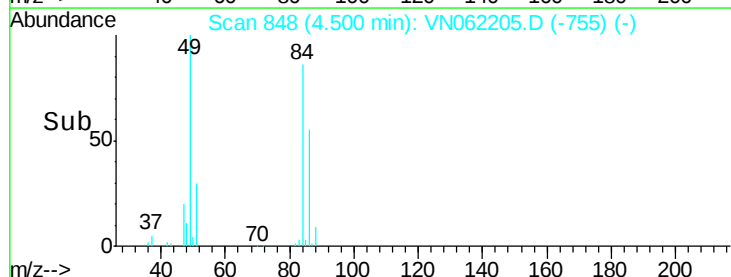
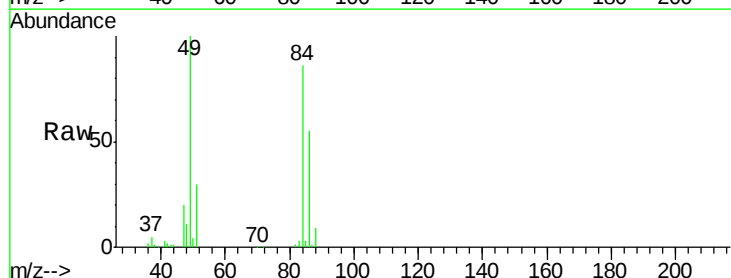
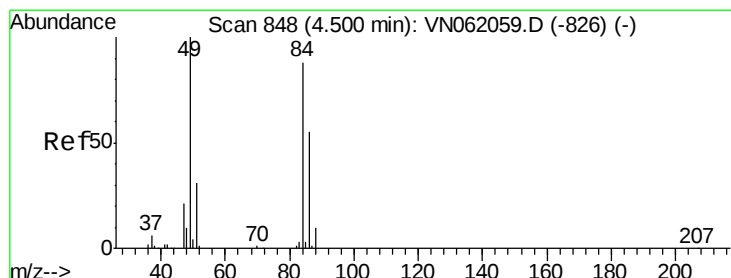
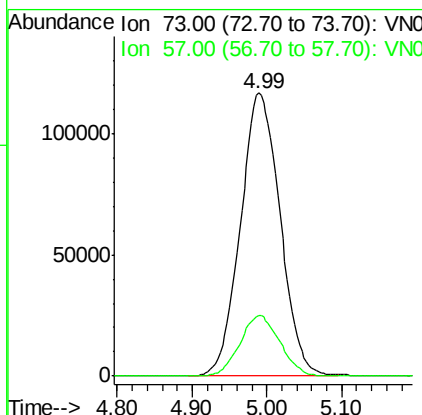
#19
Methvl tert-butvl Ether
Concen: 52.287 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tot Ion: 73 Resp: 430492
Ion Ratio Lower Upper
73 100
57 21.5 16.6 24.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

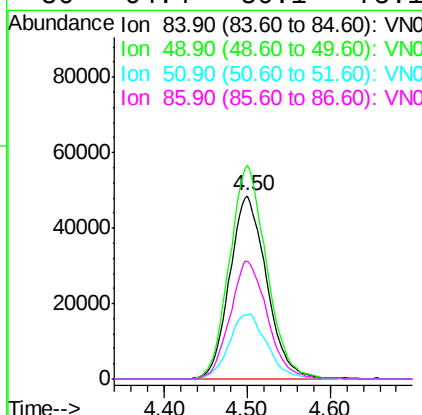
Manual Integrations
APPROVED

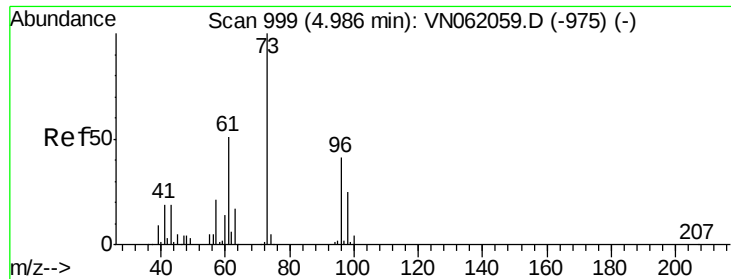
MMDadoda
6/30/2020 10:42:43 AM



#20
Methylene Chloride
Concen: 52.202 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion: 84 Resp: 150876
Ion Ratio Lower Upper
84 100
49 116.7 90.6 136.0
51 35.1 27.8 41.8
86 64.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 47.792 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

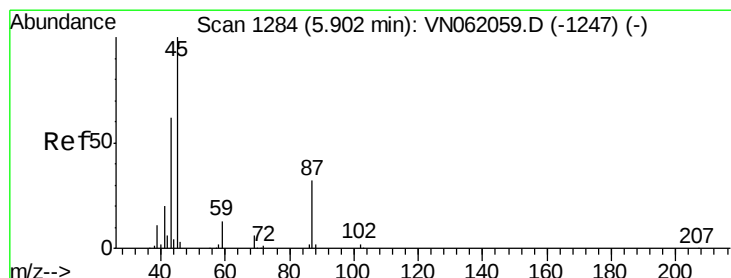
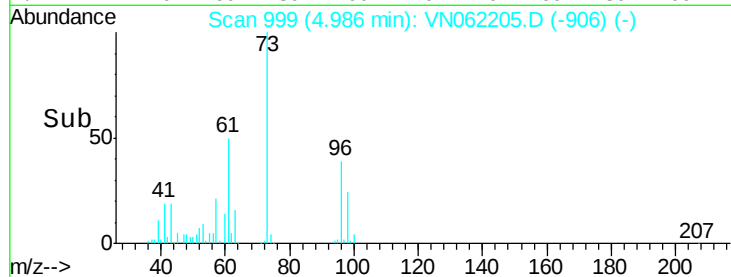
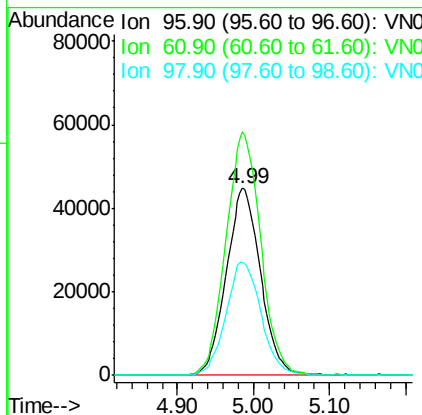
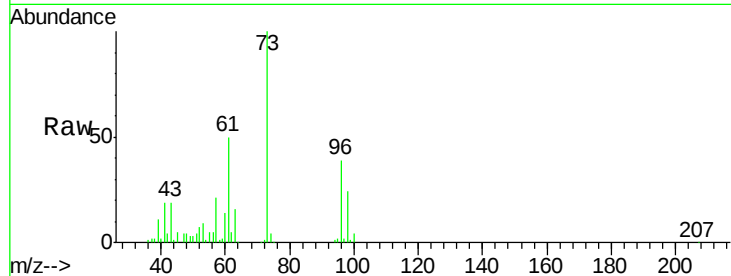
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	140282
Ion	Ratio	Lower	Upper
96	100		
61	129.7	101.4	152.2
98	60.6	49.3	73.9

Manual Integrations
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6/30/2020 10:42:43 AM



#22

Diisopropyl ether

Concen: 53.038 ug/l

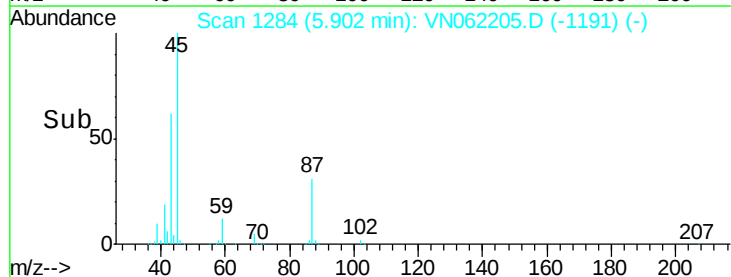
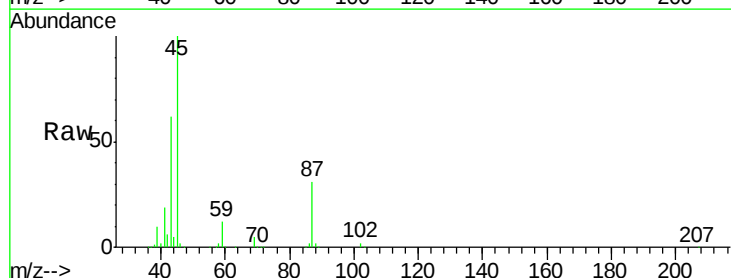
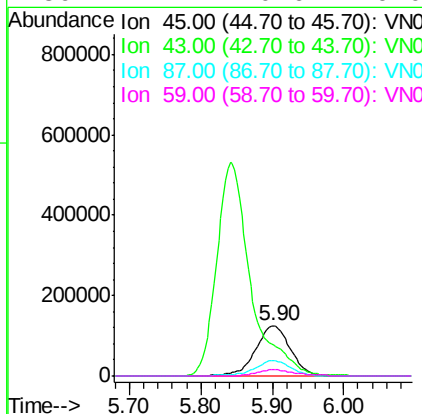
RT: 5.90 min Scan# 1284

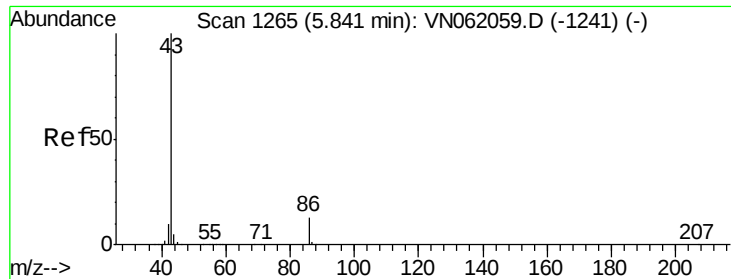
Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion:	45	Resp:	423633
Ion	Ratio	Lower	Upper
45	100		
43	60.9	49.7	74.5
87	31.2	25.9	38.9
59	12.2	10.6	16.0





#23

Vinyl Acetate

Concen: 269.964 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1760501

Ion Ratio Lower Upper

43 100

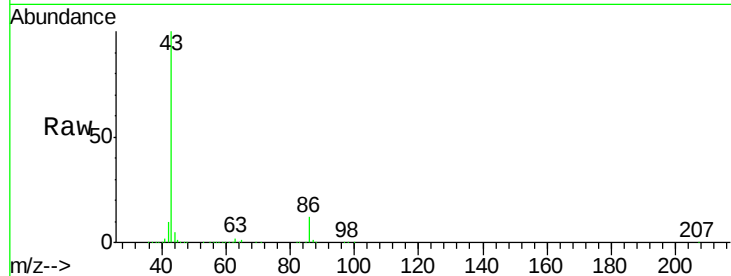
86 12.0 10.1 15.1

Manual Integrations

APPROVED

MMDadoda

6/30/2020 10:42:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

600000

500000

400000

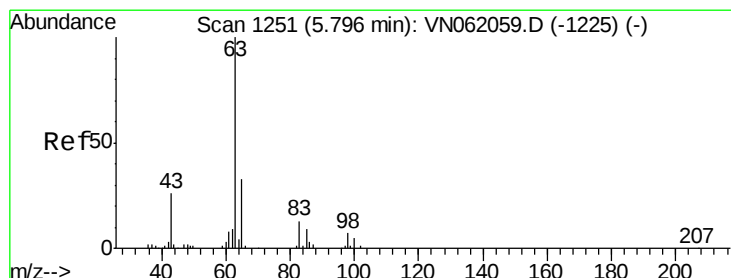
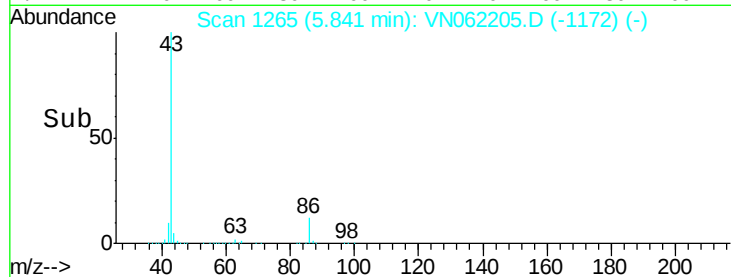
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.908 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

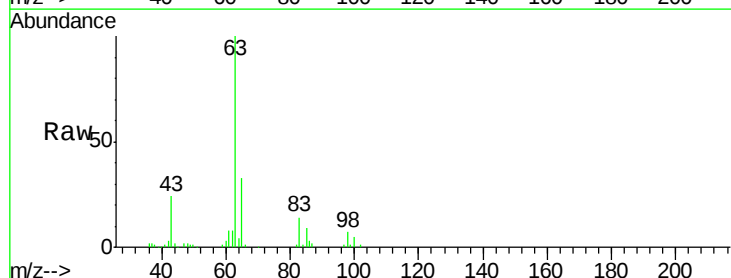
Tgt Ion: 63 Resp: 261842

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

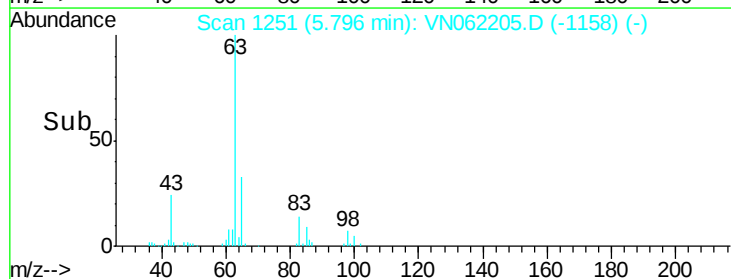
60000

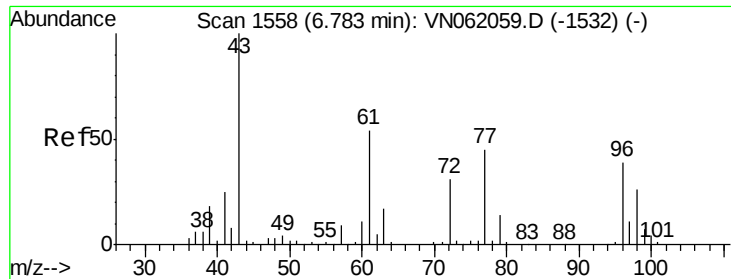
40000

20000

0

Time-->





#25

2-Butanone

Concen: 266.929 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 410856

Ion Ratio Lower Upper

43 100

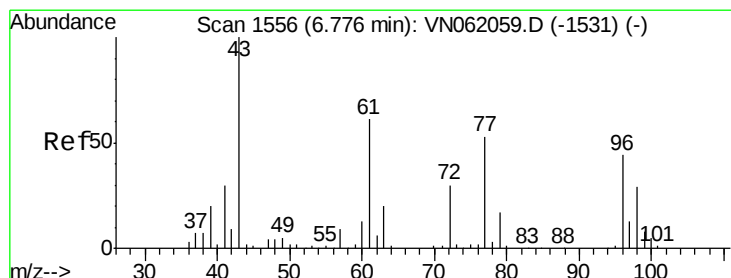
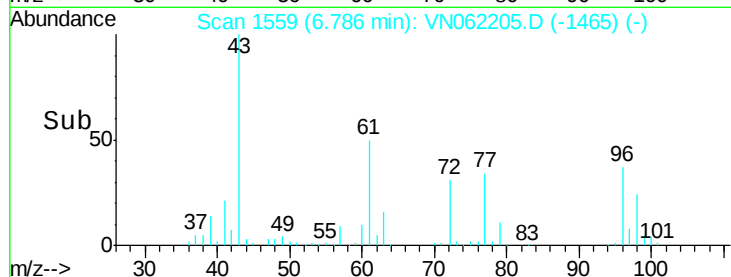
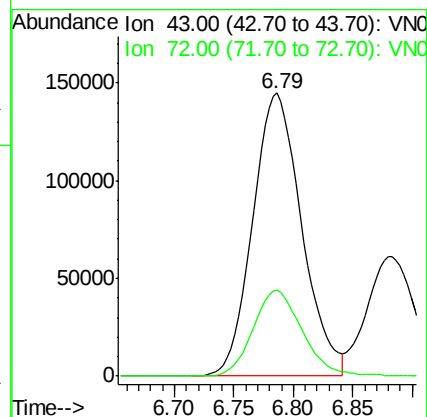
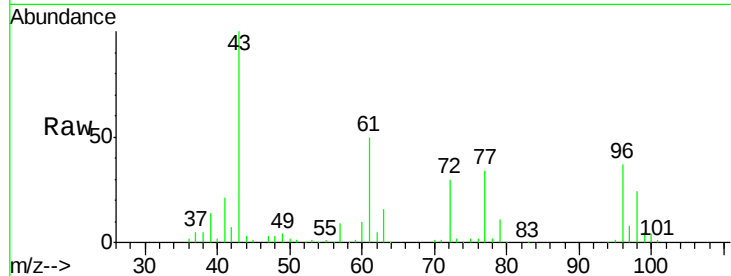
72 30.5 24.8 37.2

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#26

2,2-Dichloropropane

Concen: 43.146 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062205.D

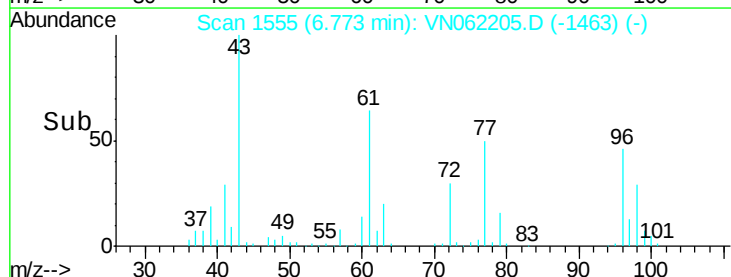
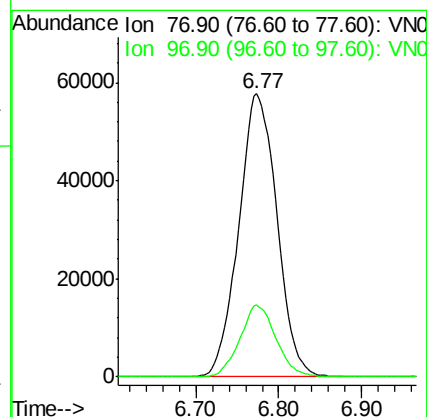
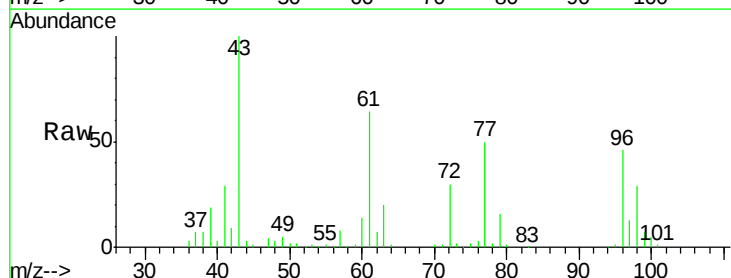
Acq: 29 Jun 2020 22:33

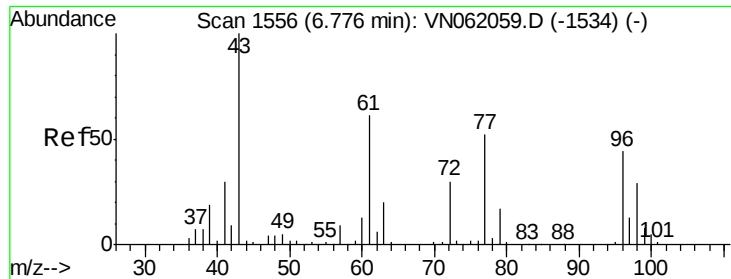
Tgt Ion: 77 Resp: 184928

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3





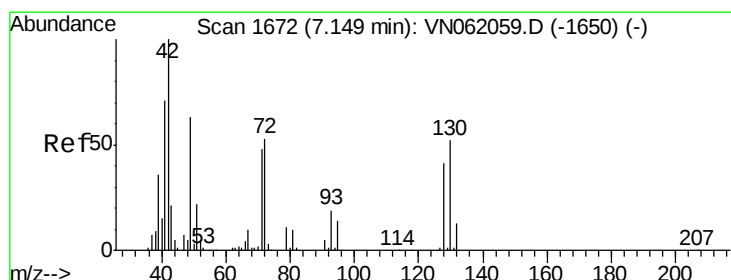
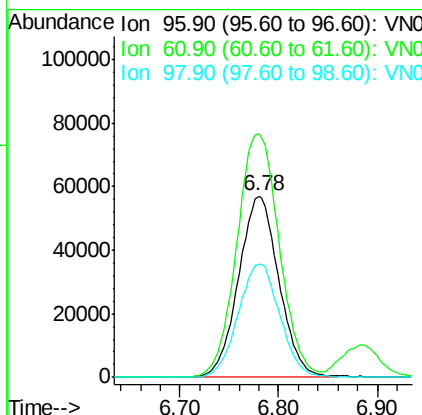
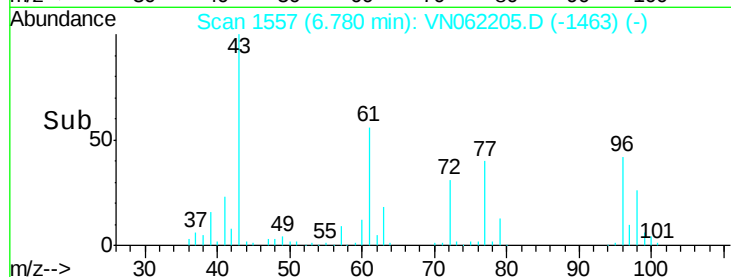
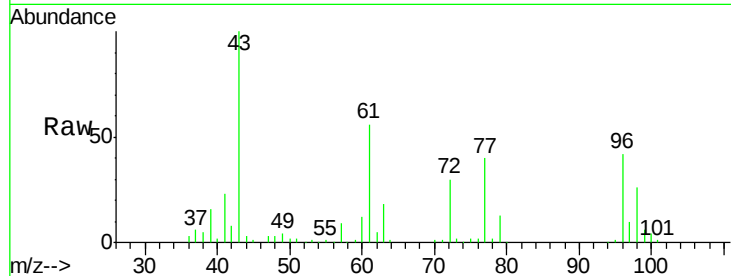
#27
 cis-1,2-Dichloroethene
 Concen: 48.933 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.5	0.0	280.4	
98	64.8	0.0	129.4	

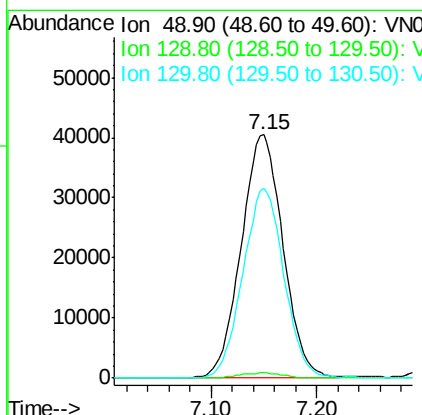
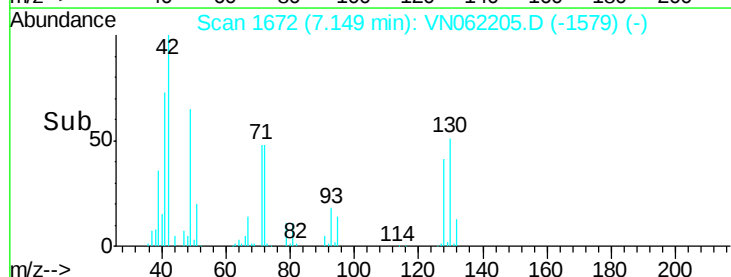
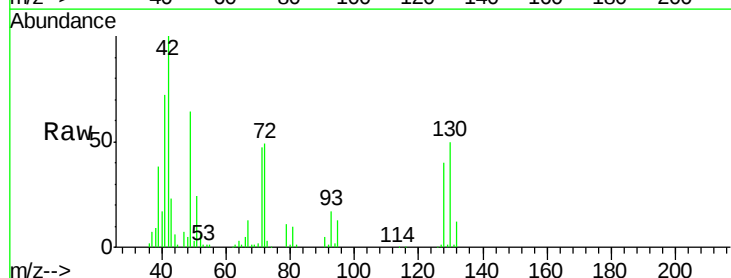
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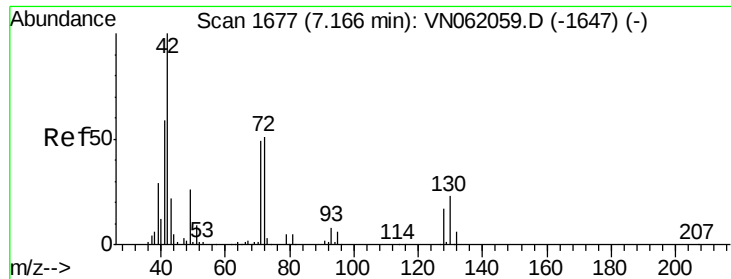
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#28
 Bromochloromethane
 Concen: 50.064 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.4	
130	76.5	65.5	98.3	





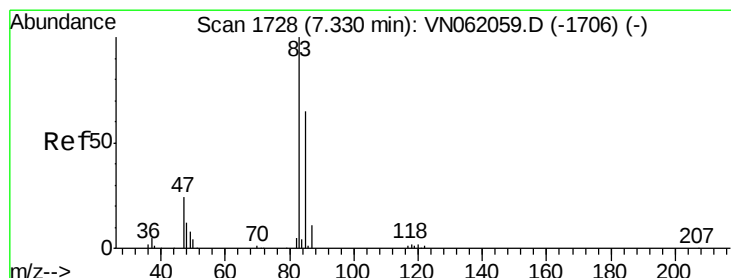
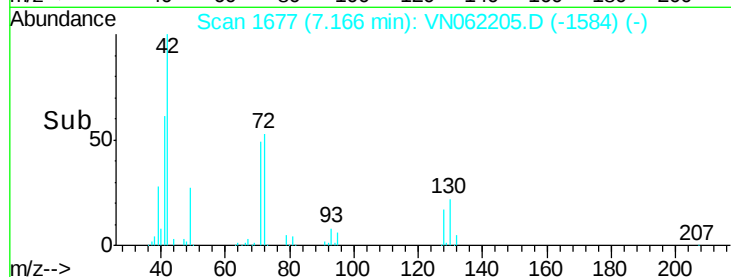
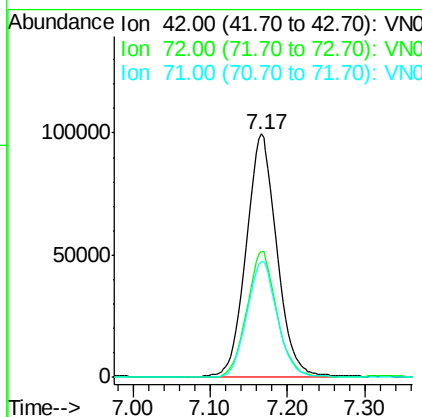
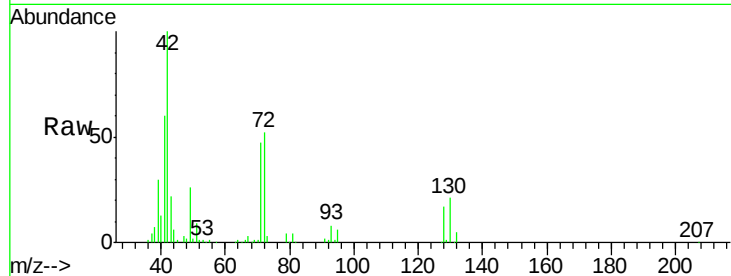
#29
Tetrahydrofuran
Concen: 272.750 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	41.1	61.7
71	47.7	38.2	57.4

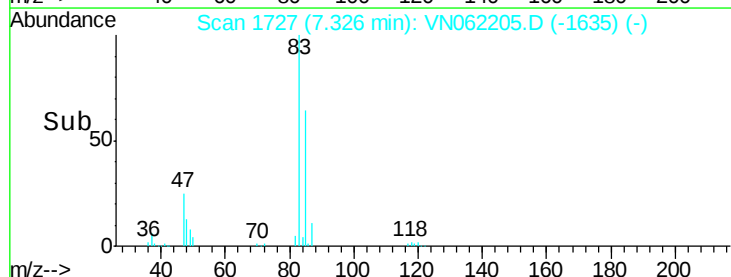
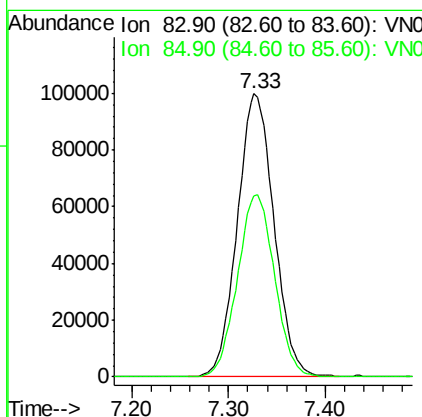
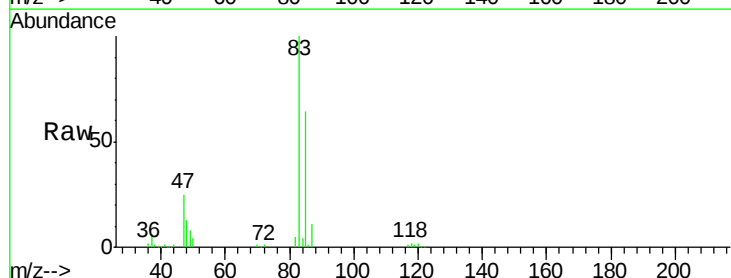
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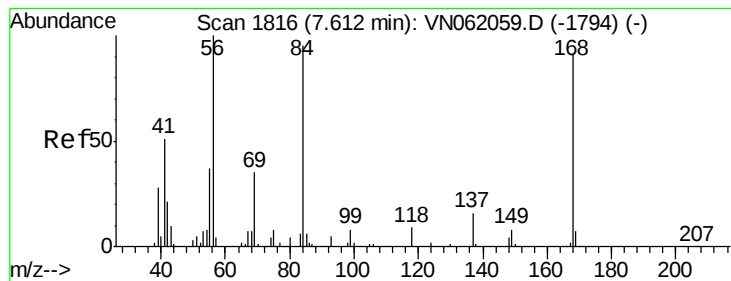
MMDadoda
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#30
Chloroform
Concen: 50.268 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.3	78.5





#31

Cyclohexane

Concen: 48.383 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

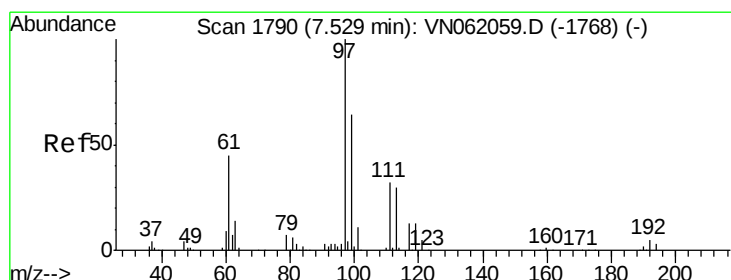
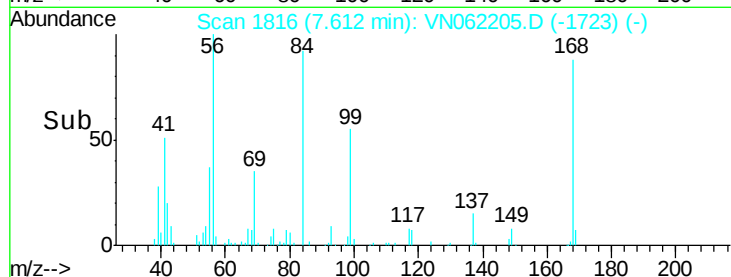
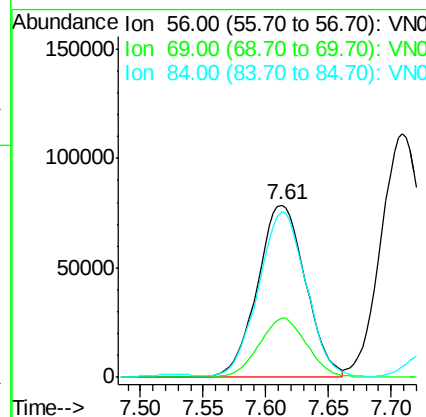
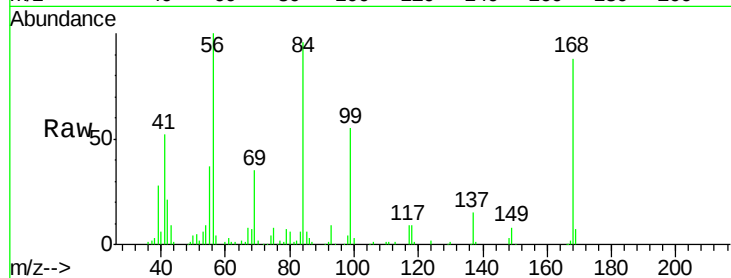
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	210500
Ion	Ratio	Lower	Upper
56	100		
69	34.7	28.0	42.0
84	94.3	76.1	114.1

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#32

1,1,1-Trichloroethane

Concen: 49.875 ug/l

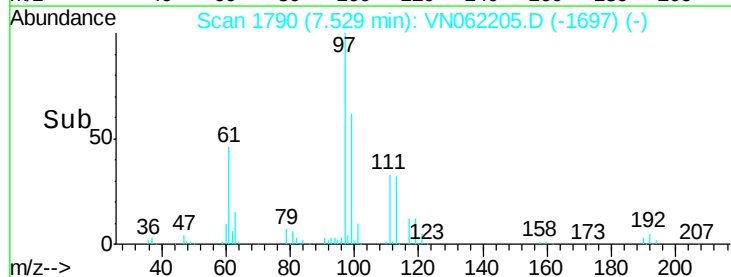
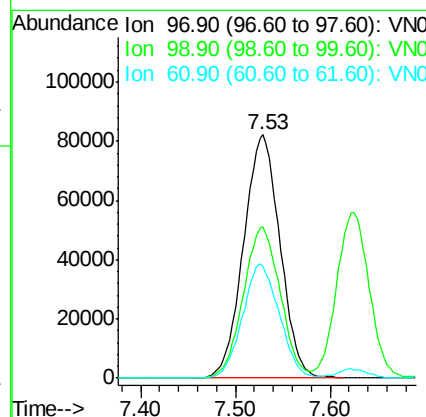
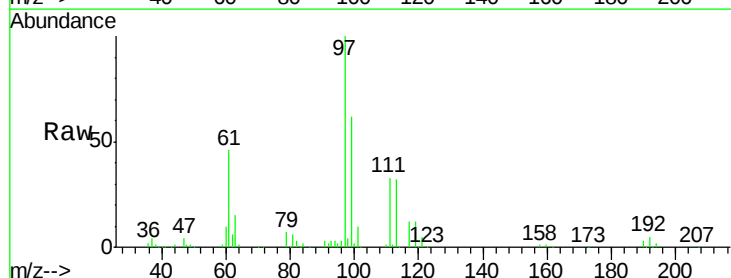
RT: 7.53 min Scan# 1790

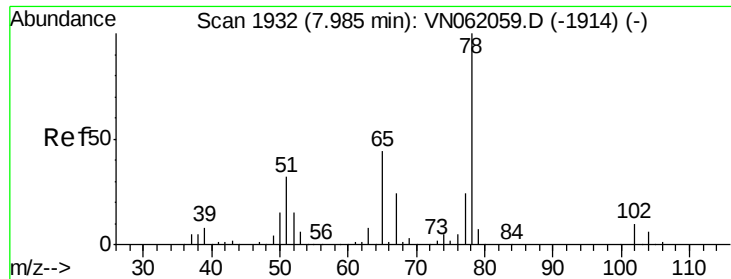
Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion:	97	Resp:	220106
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.4
61	47.0	36.2	54.2





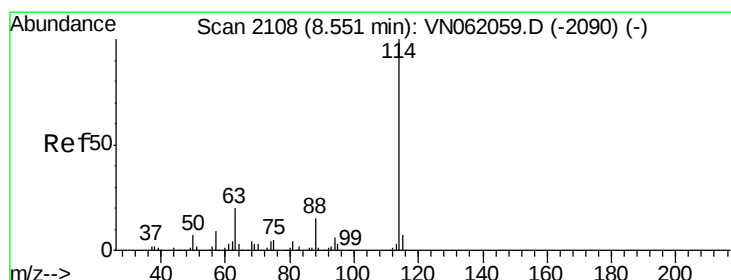
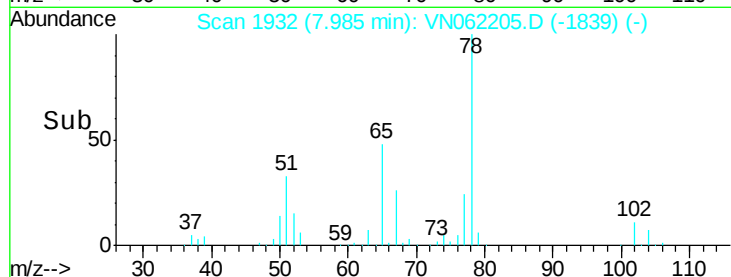
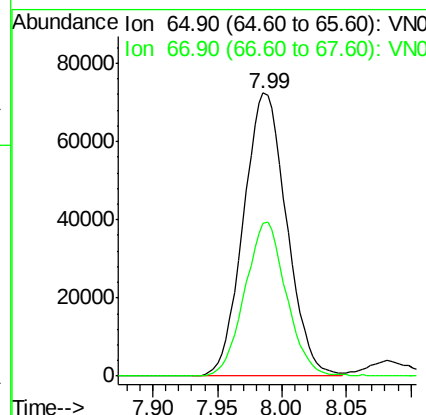
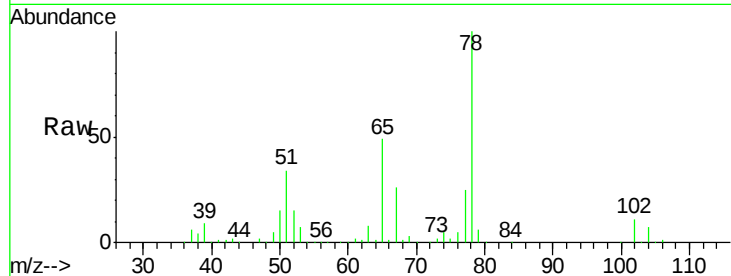
#33
 1,2-Dichloroethane-d4
 Concen: 53.808 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169442		
67	52.1	0.0	106.2	

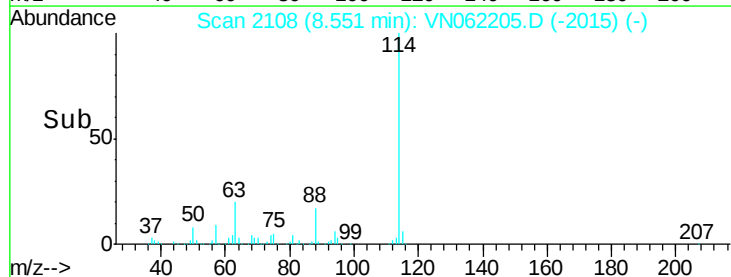
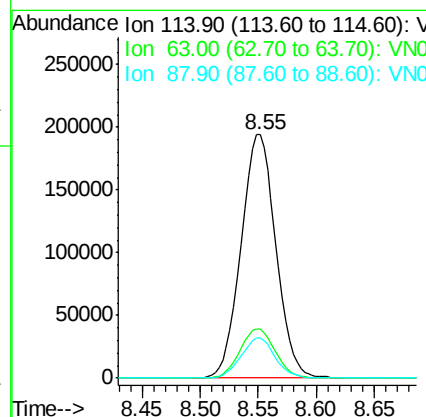
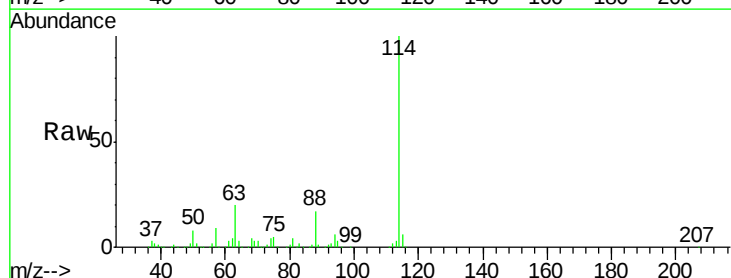
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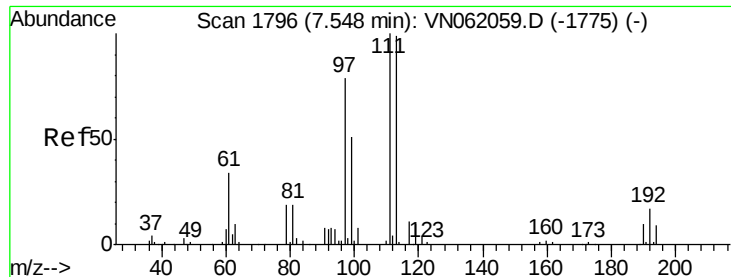
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	404883		
63	19.9	0.0	39.2	
88	16.6	0.0	30.8	





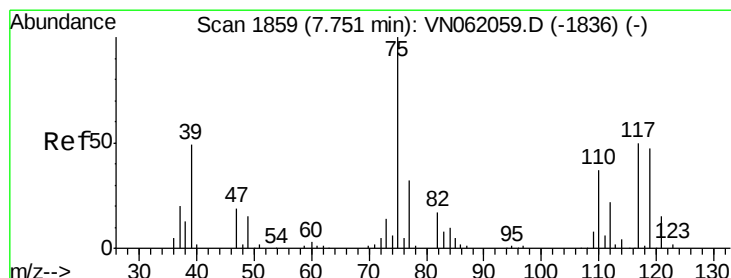
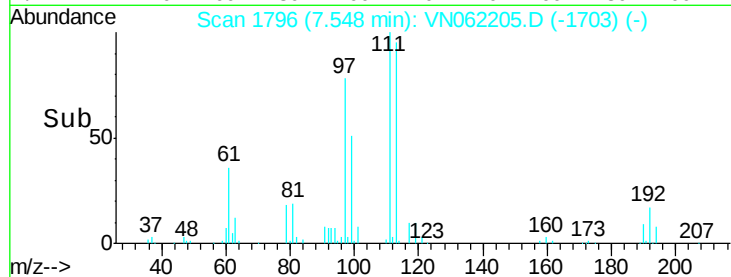
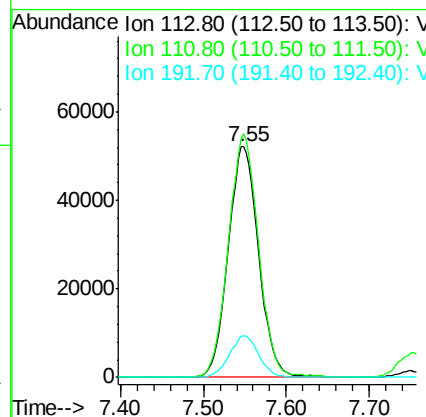
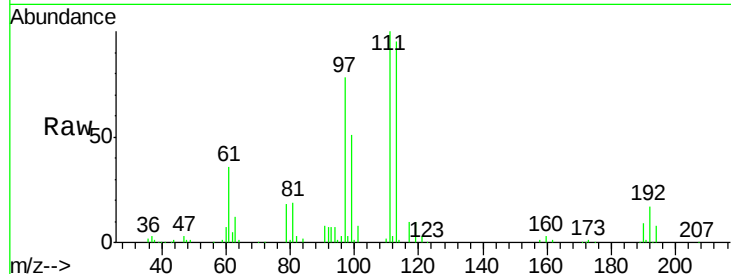
#35
 Dibromofluoromethane
 Concen: 51.082 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132687		
111	104.2	82.2	123.4	
192	17.5	14.0	21.0	

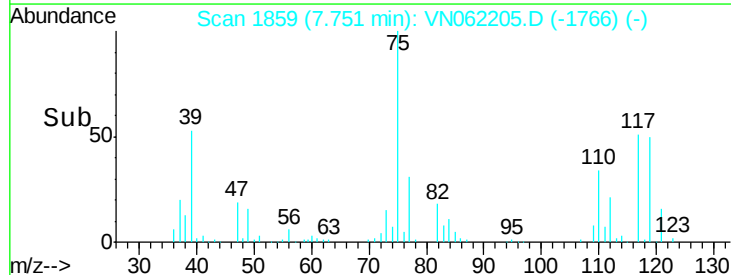
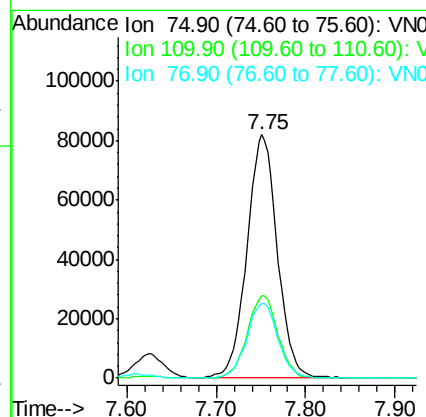
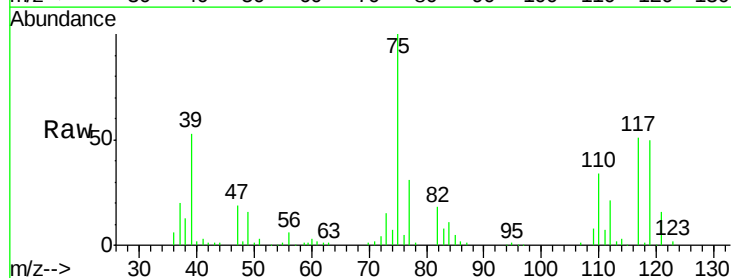
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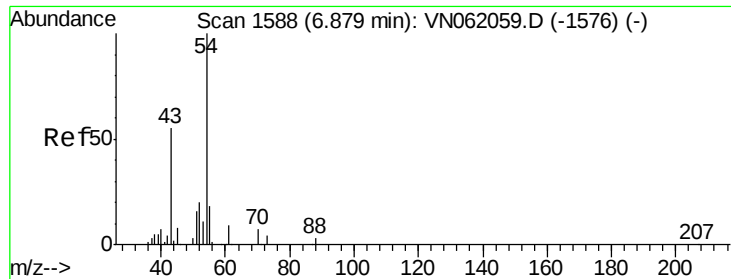
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.434 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193040		
110	34.5	17.9	53.8	
77	31.8	24.9	37.3	





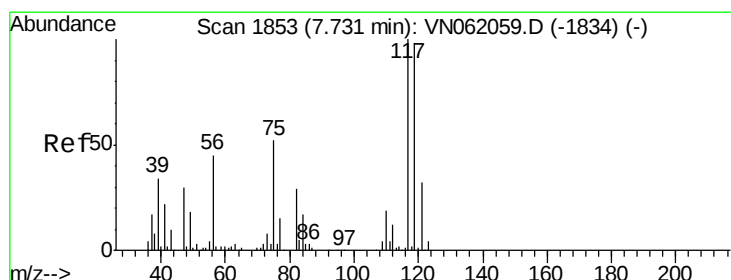
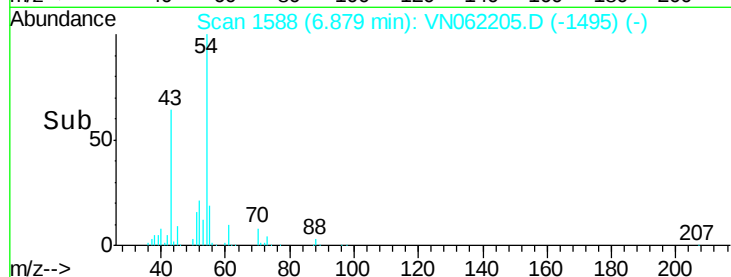
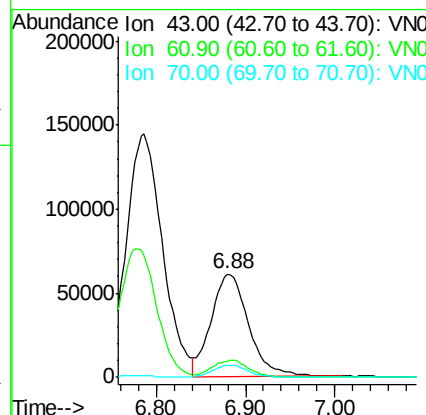
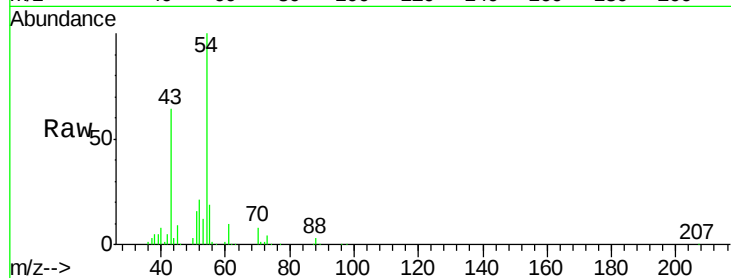
#37
Ethyl Acetate
Concen: 52.851 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.0	18.0
70	11.3	9.6	14.4

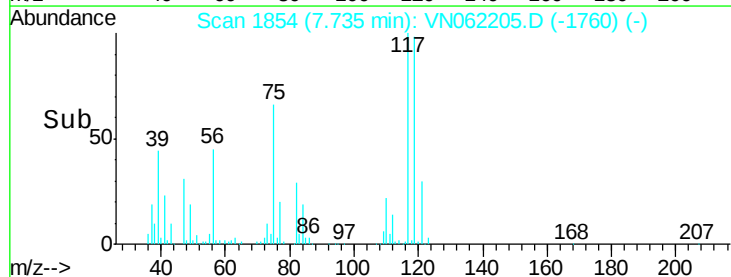
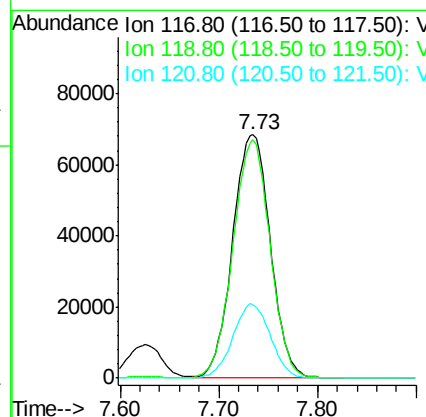
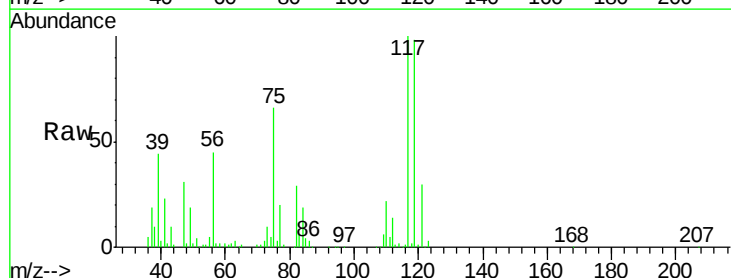
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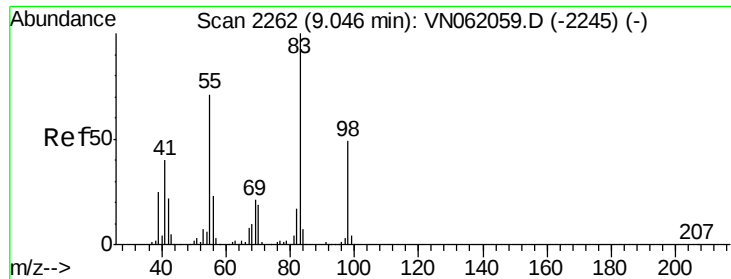
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#38
Carbon Tetrachloride
Concen: 47.403 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.2	117.2
121	30.3	25.8	38.6





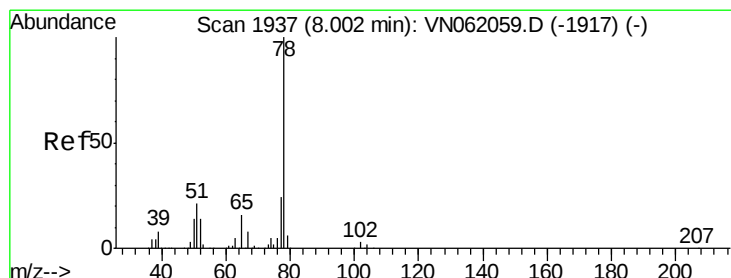
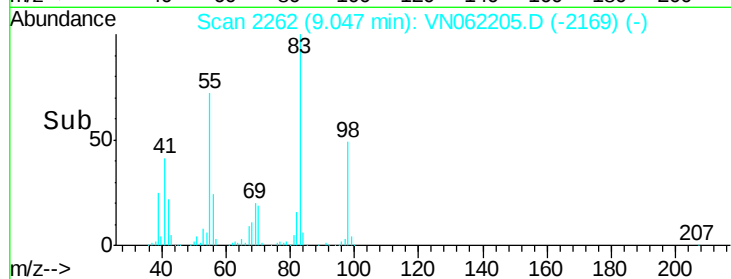
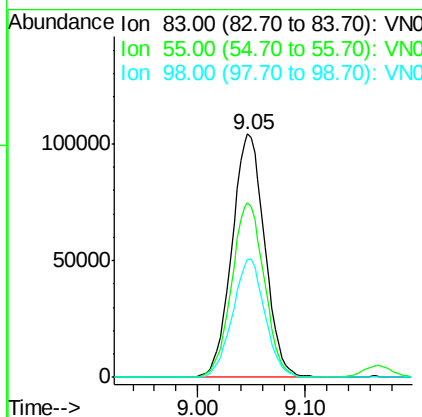
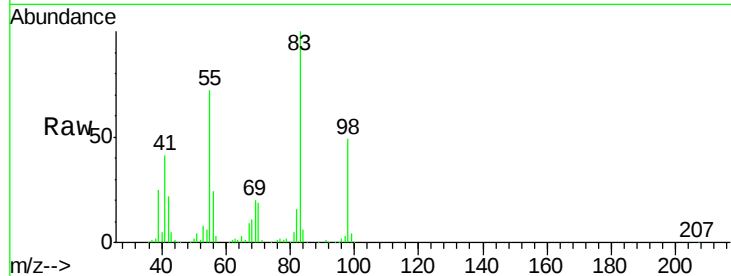
#39
Methvlcvclohexane
Concen: 49.261 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	219660		
55	71.9		57.0	85.6
98	48.8		39.0	58.6

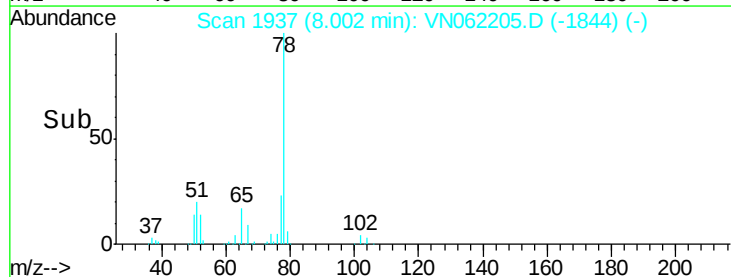
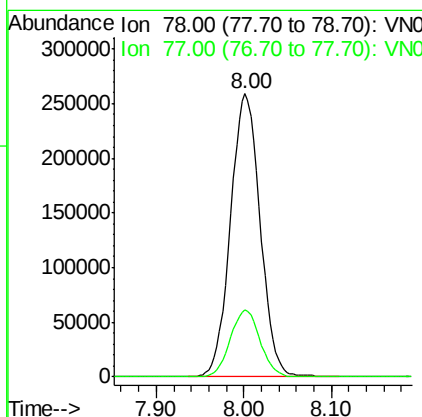
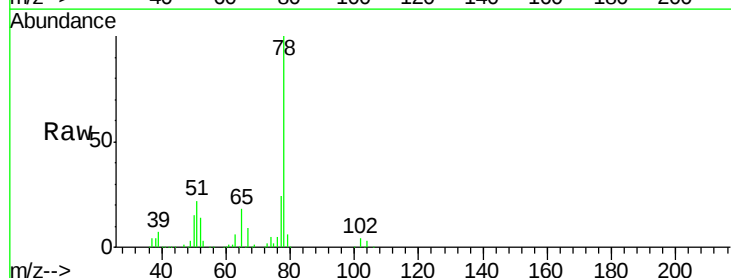
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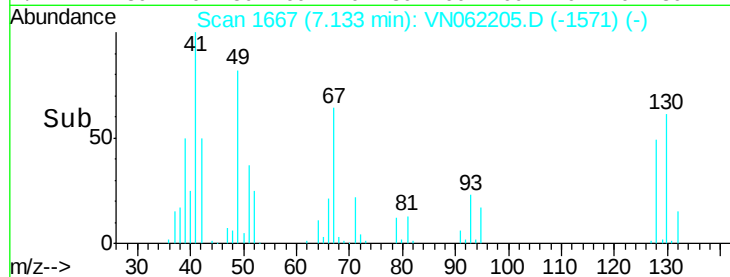
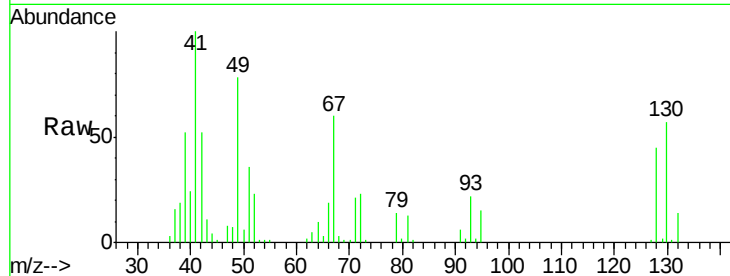
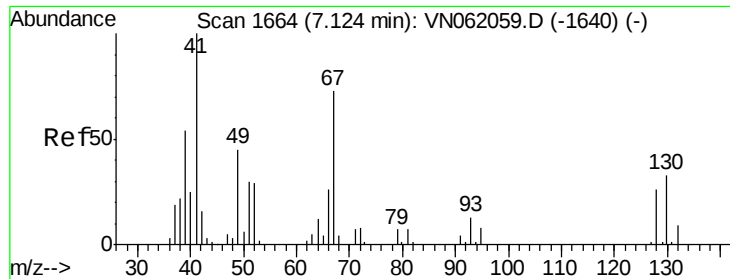
MMDadoda
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#40
Benzene
Concen: 49.148 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	609643		
77	23.6		19.5	29.3





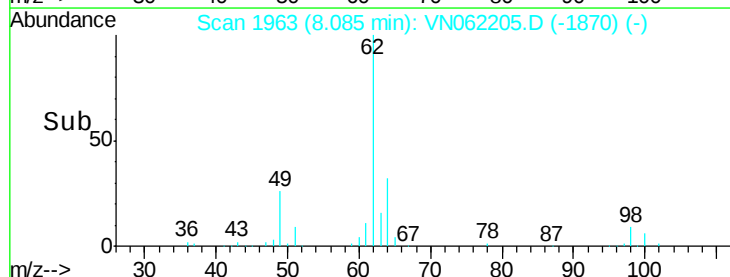
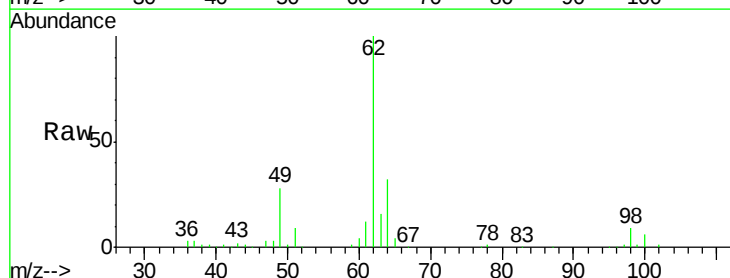
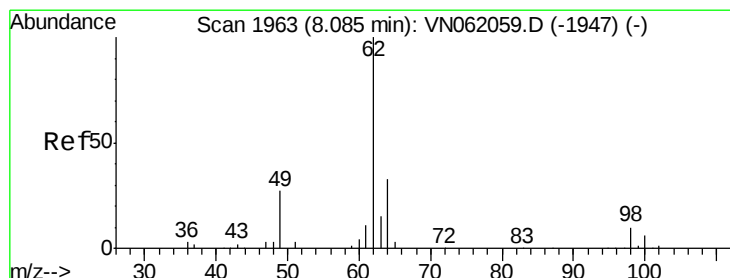
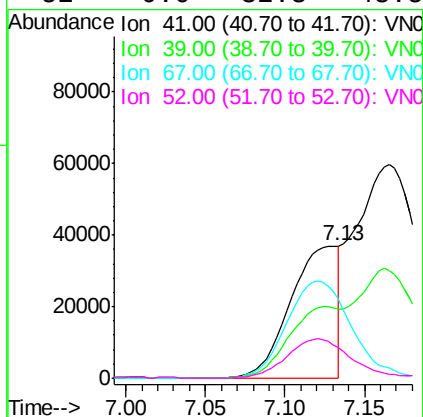
#41
Methacrylonitrile
Concen: 49.232 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tot Ion	Ratio	Lower	Upper
41	100		
39	87.0	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

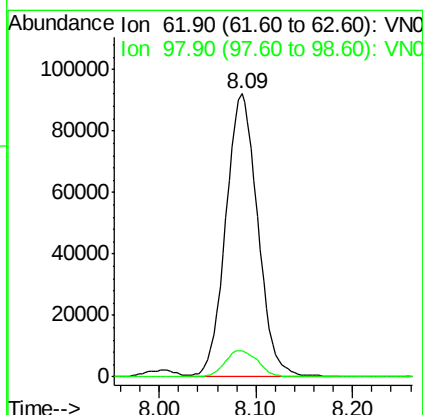
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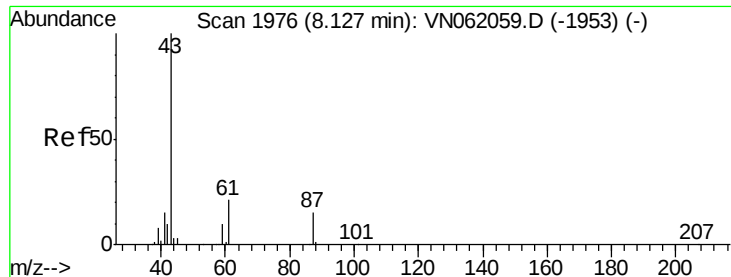
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#42
1,2-Dichloroethane
Concen: 50.263 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8





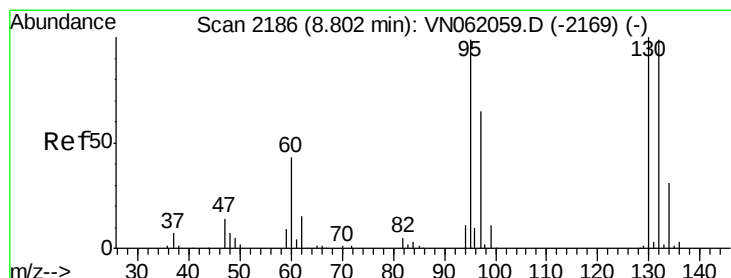
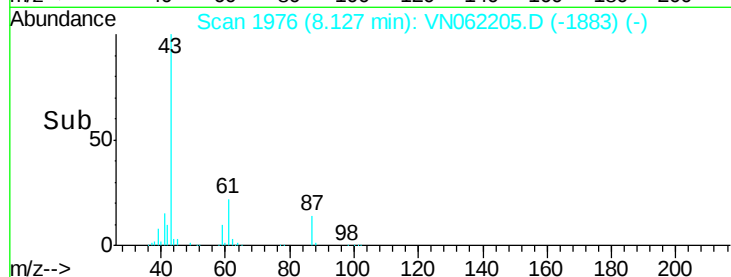
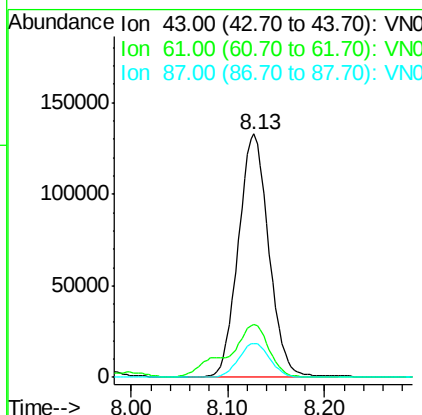
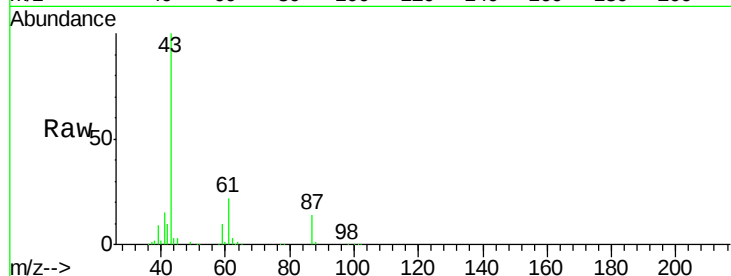
#43
Isopropyl Acetate
Concen: 52.890 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	290550		
61	22.5		17.2	25.8
87	14.3		12.1	18.1

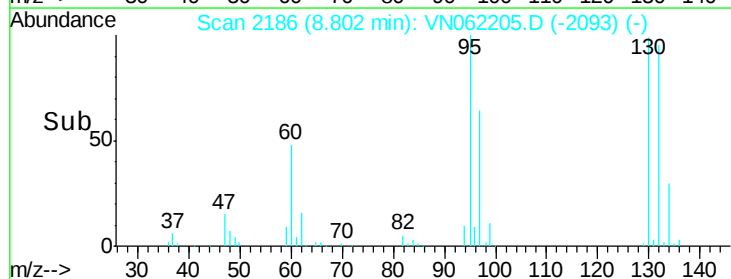
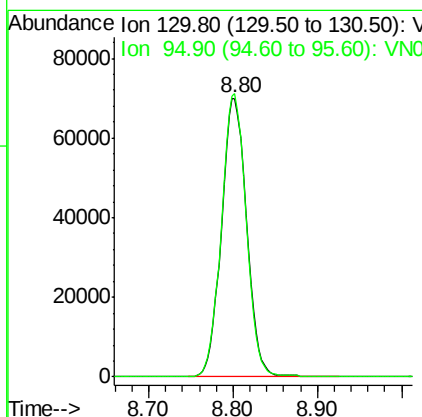
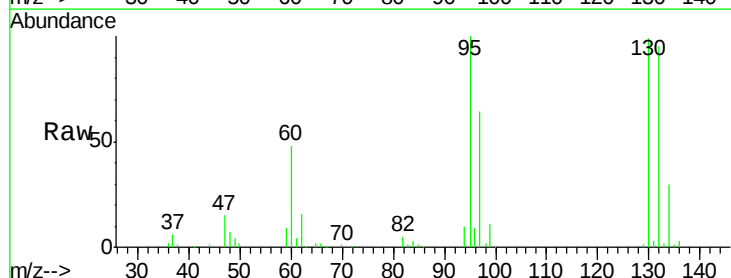
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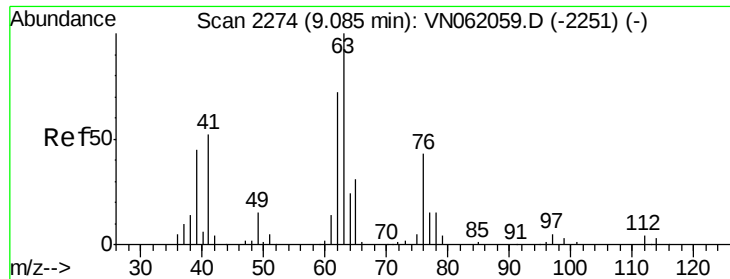
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#44
Trichloroethene
Concen: 46.412 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	145224		
95	101.5		0.0	197.8





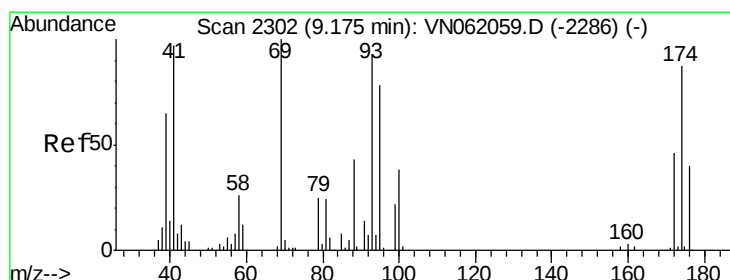
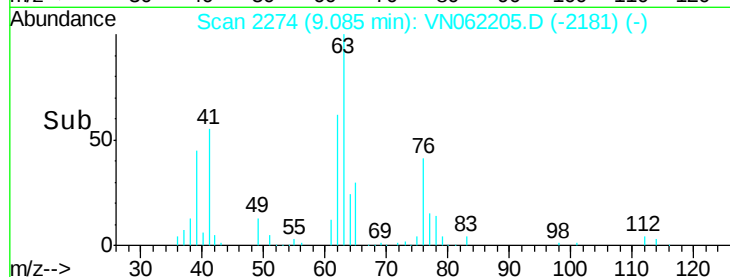
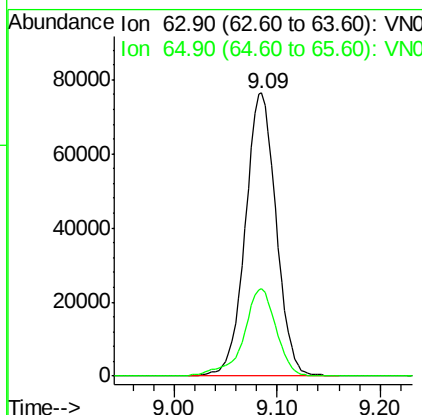
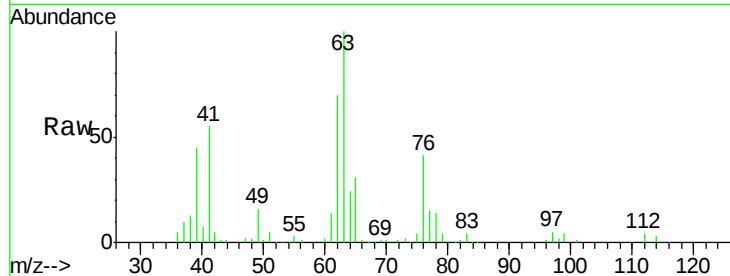
#45
 1,2-Dichloropropane
 Concen: 51.789 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 158485
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4

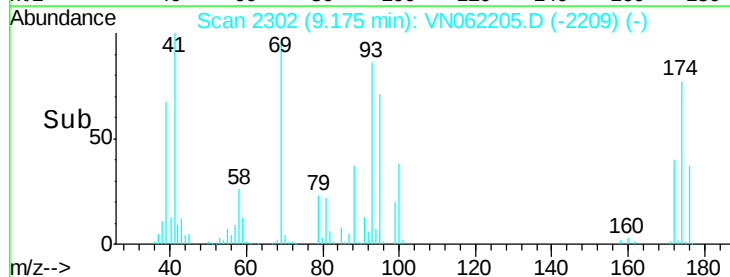
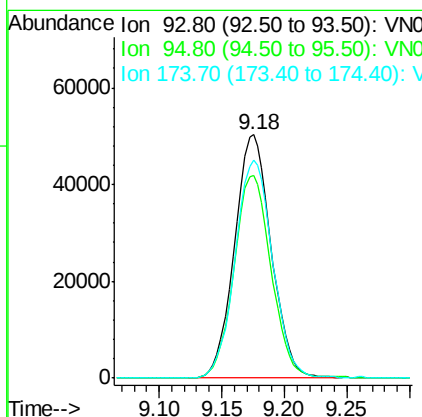
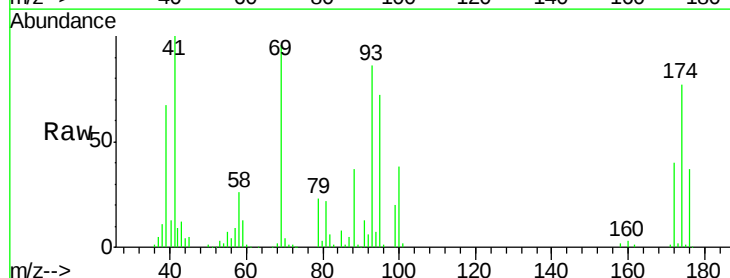
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#46
 Dibromomethane
 Concen: 49.314 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion: 93 Resp: 102317
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.0 100.6
 174 91.7 74.4 111.6





#47

Bromodichloromethane

Concen: 50.593 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

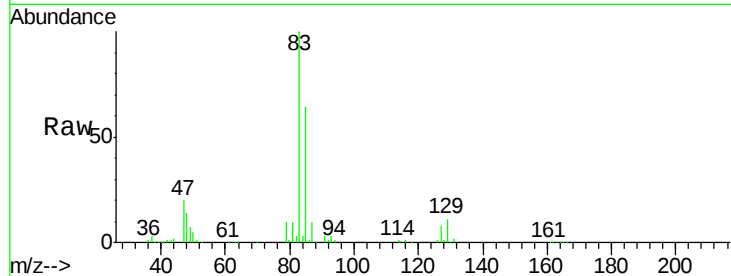
ClientSampled :

VSTDCCC050

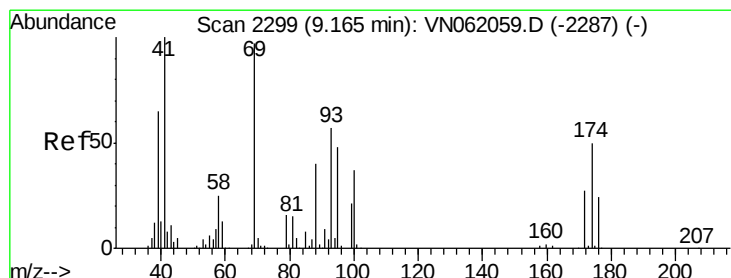
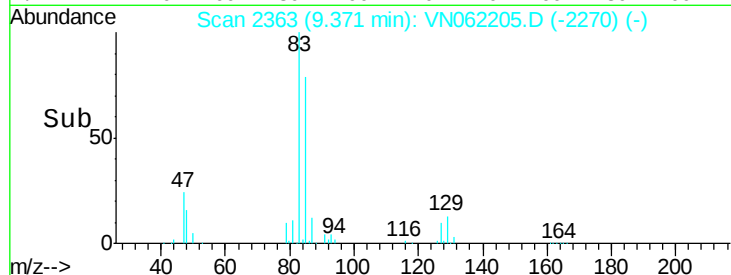
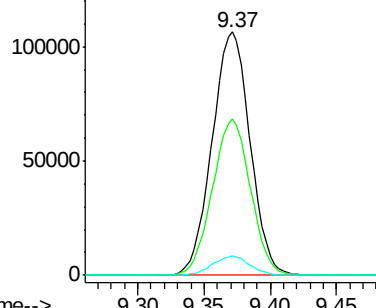
Tot Ion:	83	Resp:	211951
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.3	75.5
127	8.1	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.763 ug/l

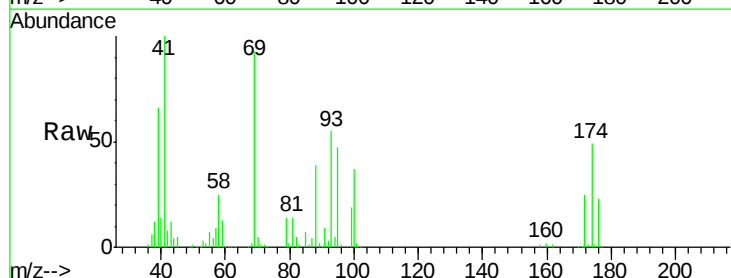
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

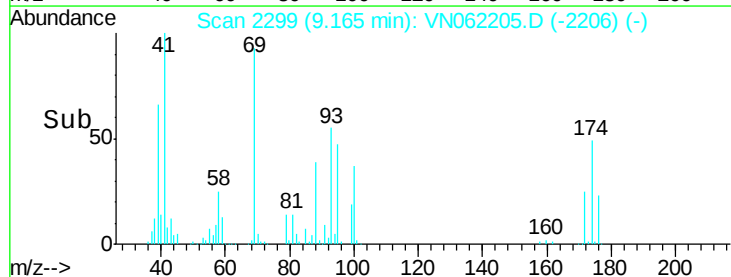
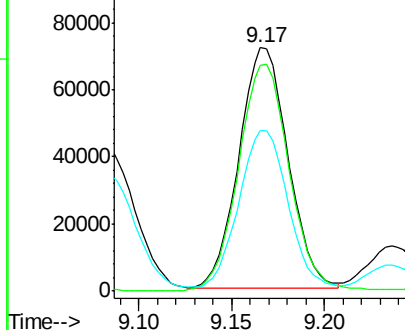
Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion:	41	Resp:	132425
Ion Ratio	Lower	Upper	
41	100		
69	98.2	80.7	121.1
39	67.8	54.5	81.7



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





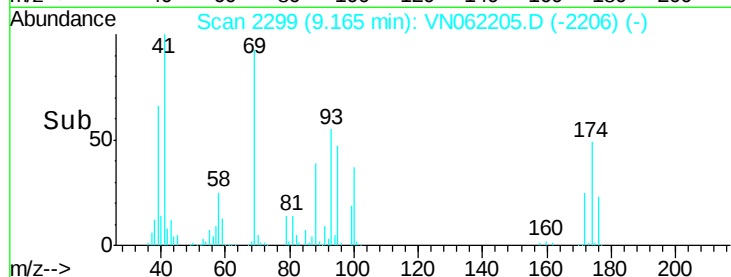
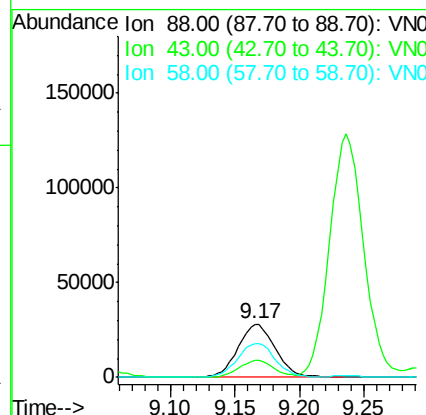
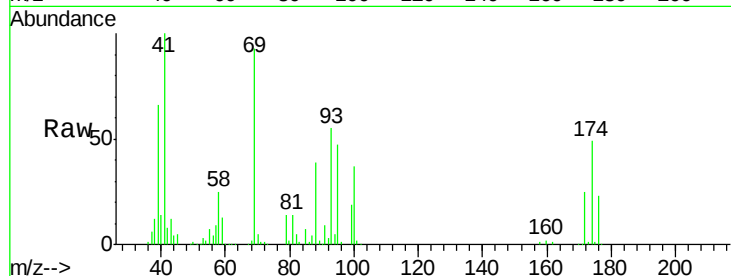
#49
1,4-Dioxane
Concen: 1037.382 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.0	33.0
58	64.2	49.2	73.8

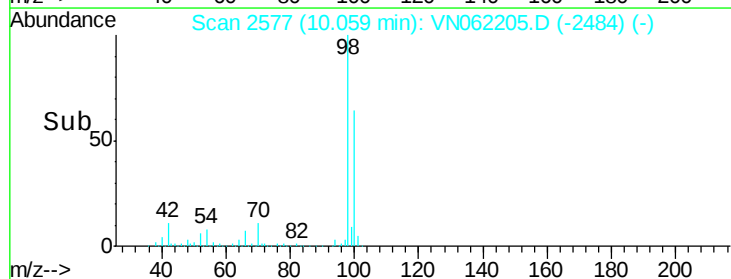
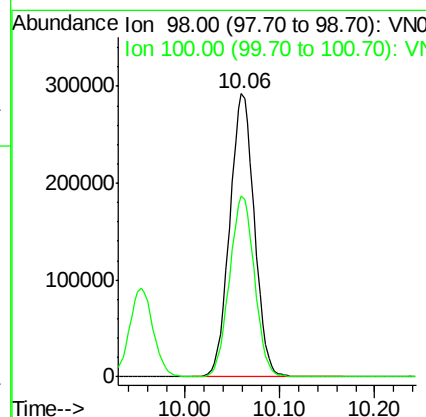
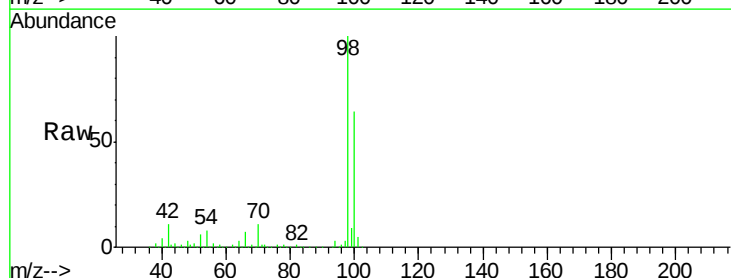
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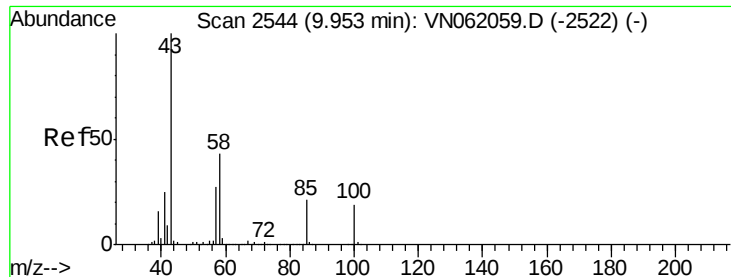
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#50
Toluene-d8
Concen: 50.966 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 279.929 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 898468

Ion Ratio Lower Upper

43 100

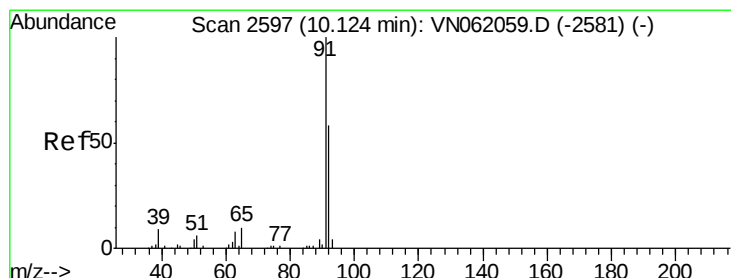
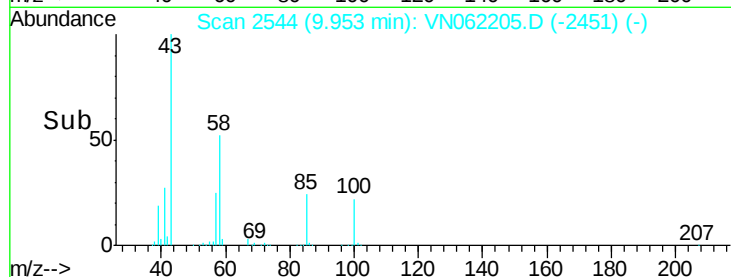
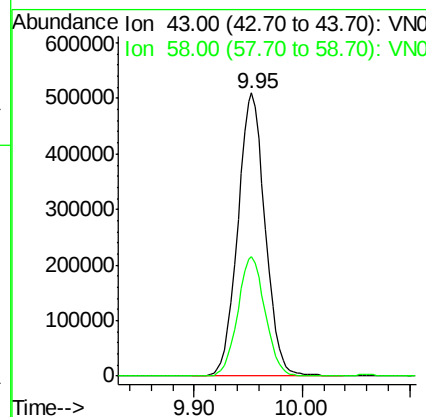
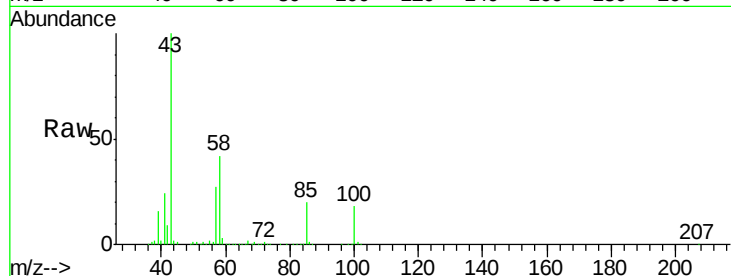
58 42.4 34.2 51.2

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#52

Toluene

Concen: 50.650 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062205.D

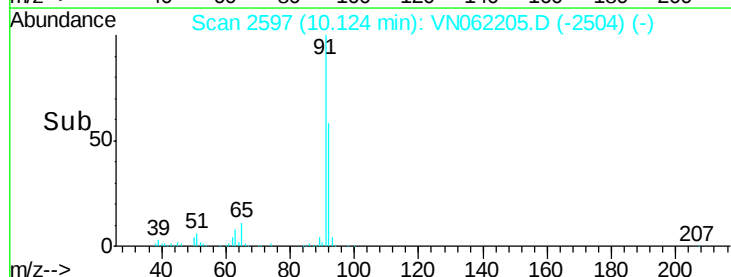
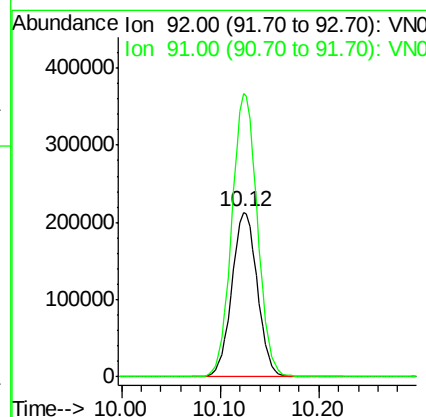
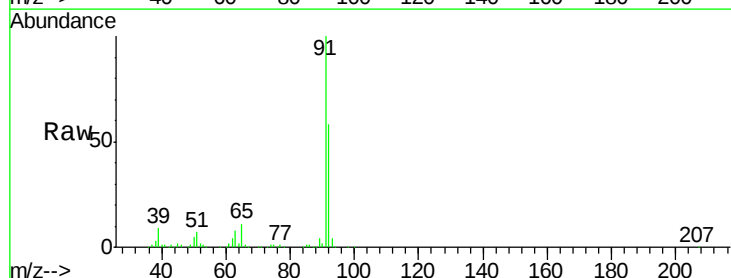
Acq: 29 Jun 2020 22:33

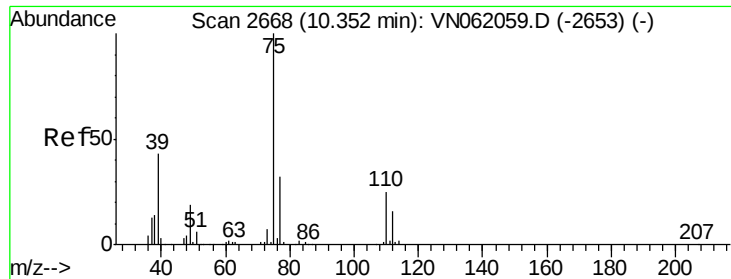
Tgt Ion: 92 Resp: 383344

Ion Ratio Lower Upper

92 100

91 172.6 137.4 206.0





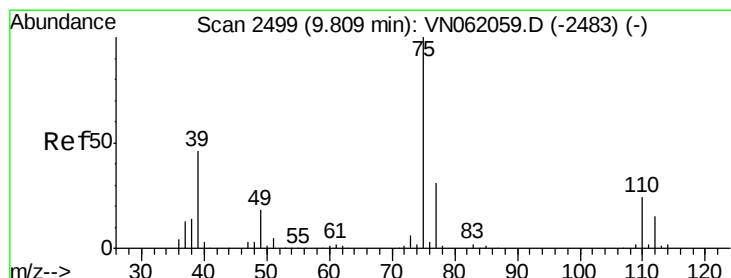
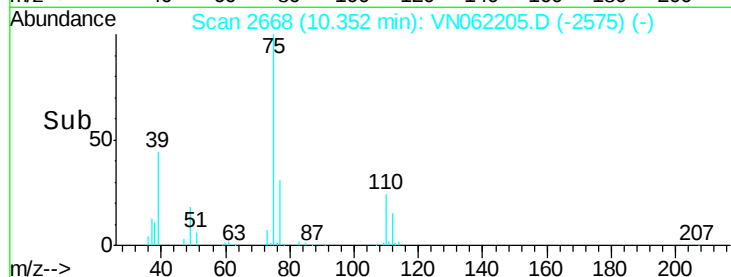
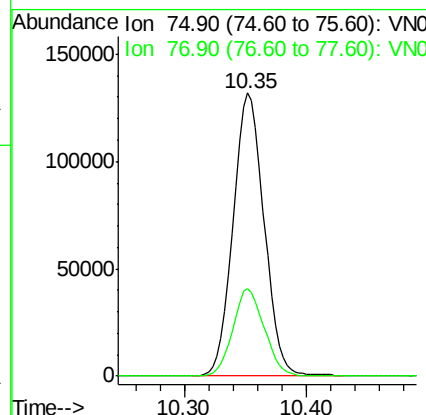
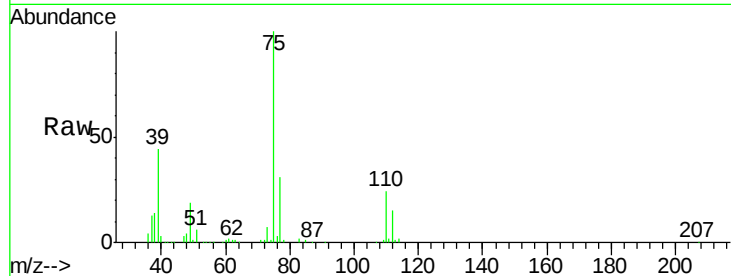
#53
t-1,3-Dichloropropene
Concen: 50.656 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 233477
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3

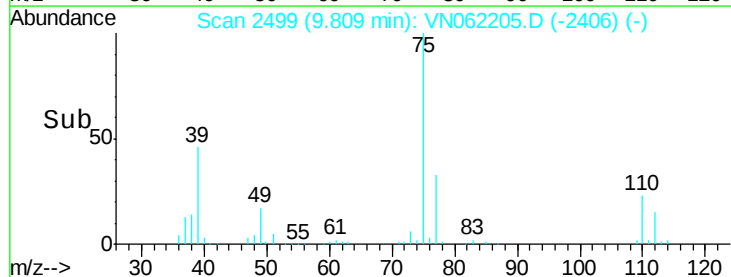
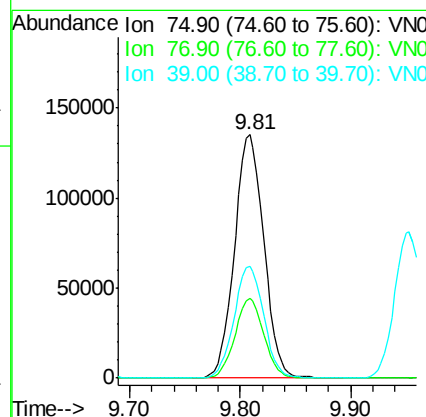
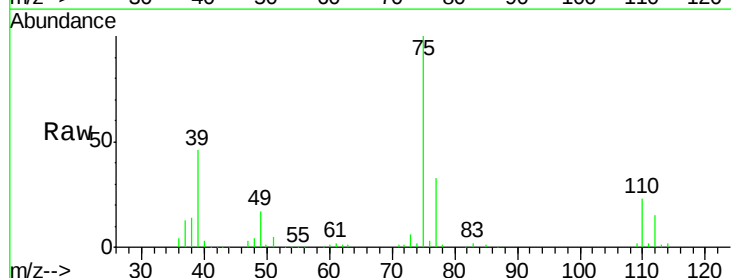
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#54
cis-1,3-Dichloropropene
Concen: 50.849 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion: 75 Resp: 249517
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6
39 46.0 36.9 55.3





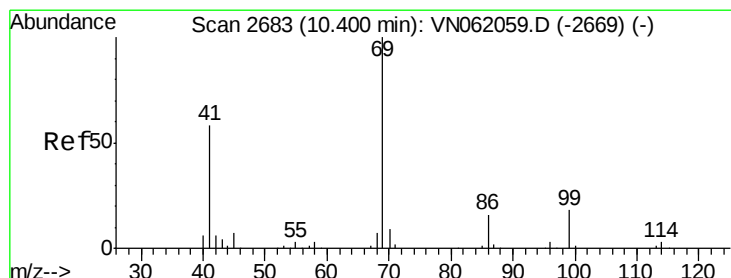
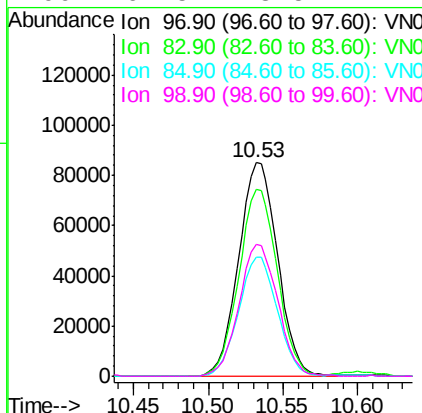
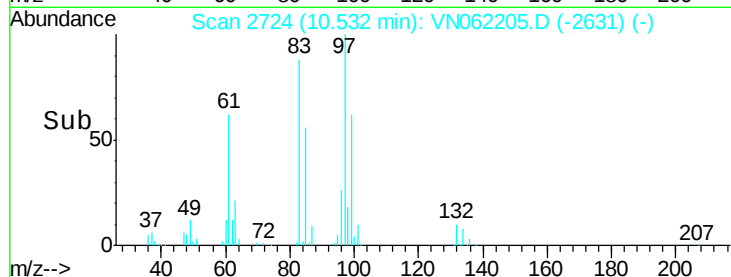
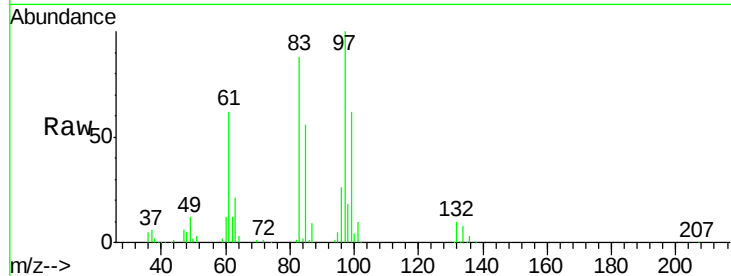
#55
 1,1,2-Trichloroethane
 Concen: 51.895 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		154392		
83	87.6	68.2	102.2		
85	55.8	43.2	64.8		
99	61.5	48.5	72.7		

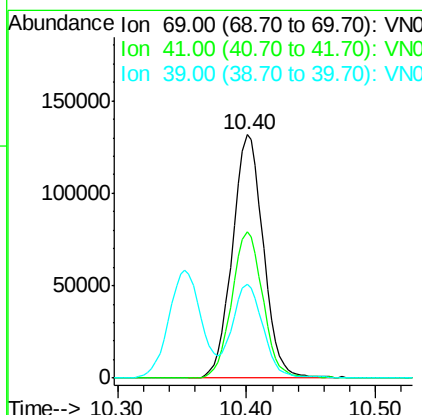
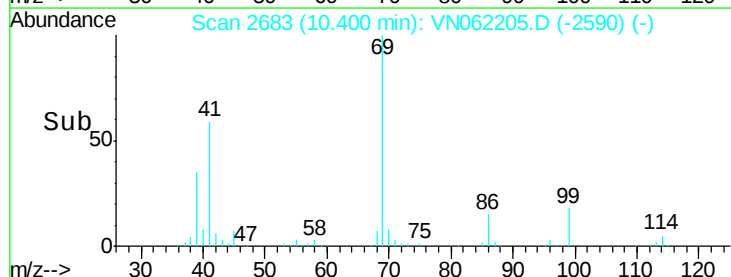
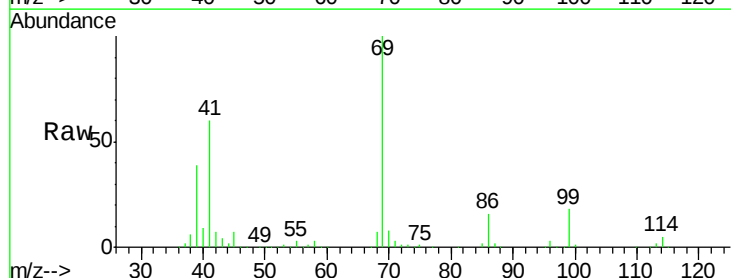
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#56
 Ethyl methacrylate
 Concen: 55.310 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		219602		
41	59.6	46.6	70.0		
39	38.3	31.0	46.4		





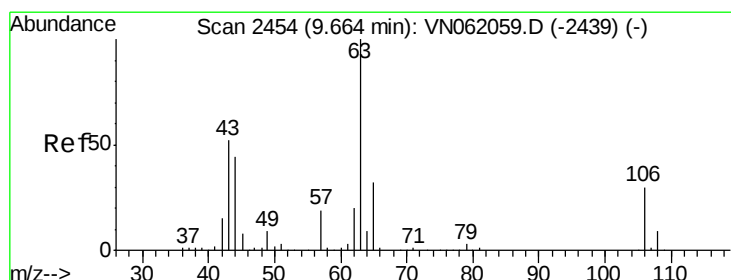
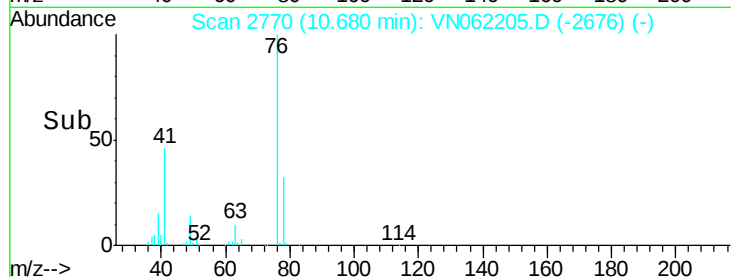
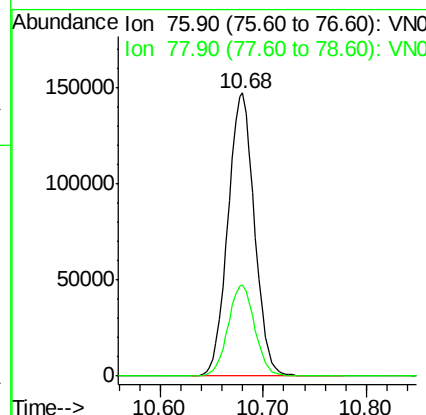
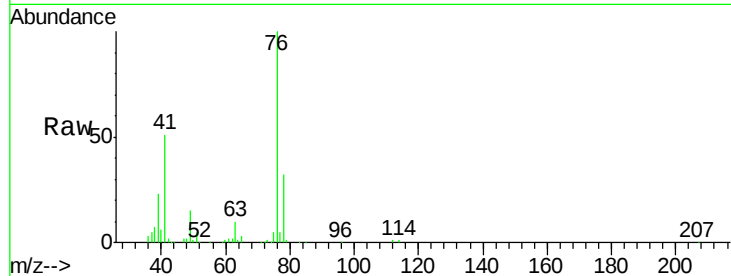
#57
 1,3-Dichloropropane
 Concen: 51.507 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 263759
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

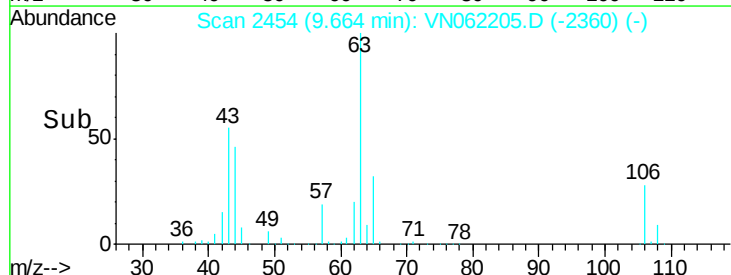
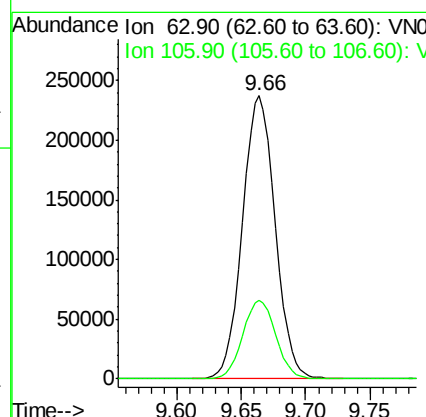
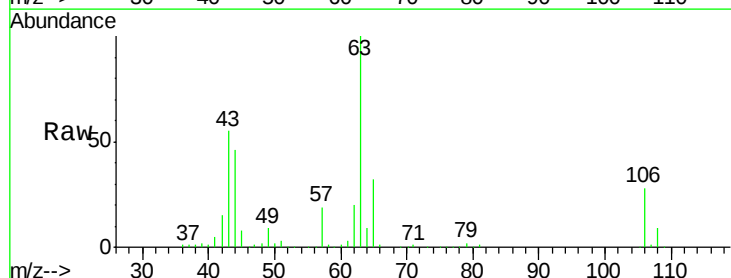
Manual Integrations
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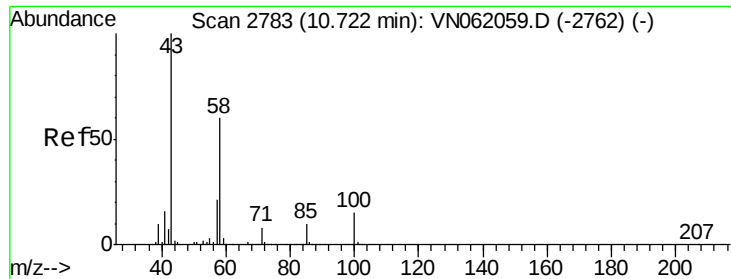
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#58
 2-Chloroethyl Vinyl ether
 Concen: 247.455 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion: 63 Resp: 418004
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.2 34.8





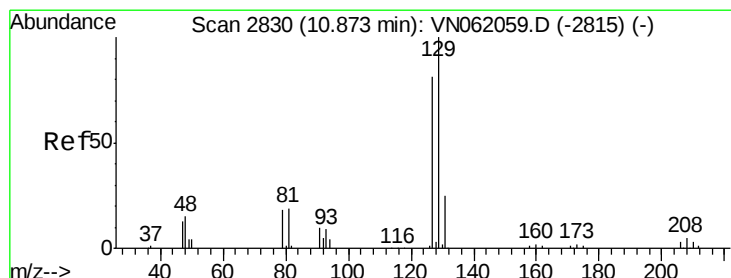
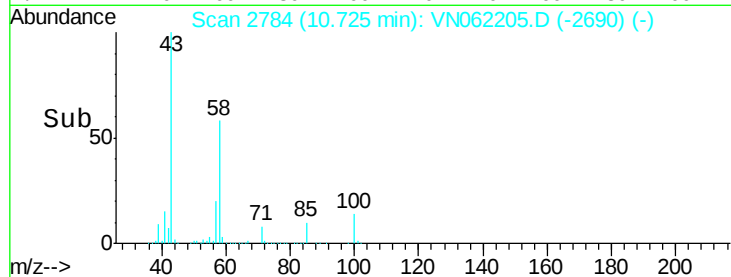
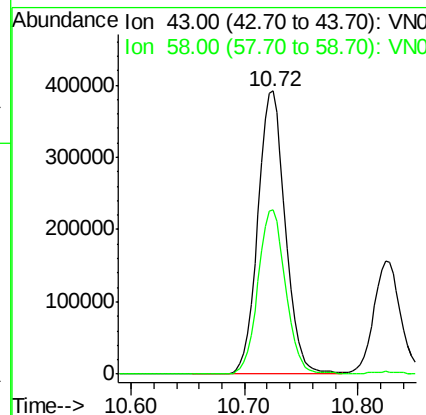
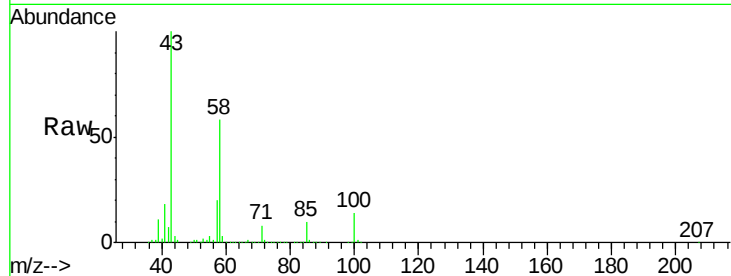
#59
2-Hexanone
Concen: 285.047 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 660643
Ion Ratio Lower Upper
43 100
58 58.6 29.5 88.5

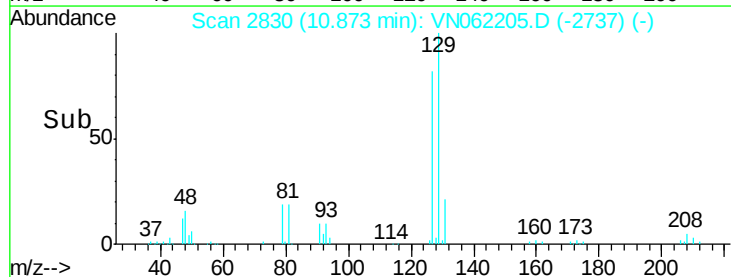
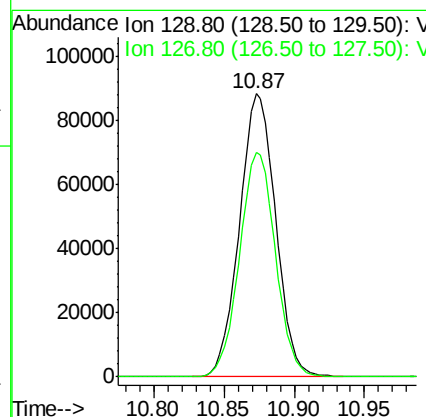
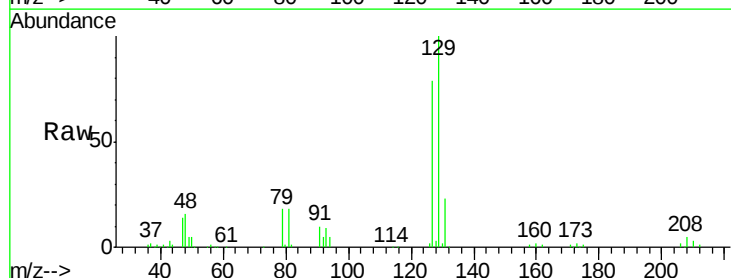
Manual Integrations
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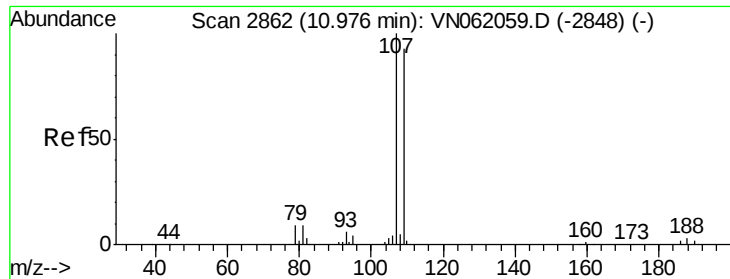
MMDadoda
6/30/2020 10:42:43 AM



#60
Dibromochloromethane
Concen: 50.541 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion: 129 Resp: 159194
Ion Ratio Lower Upper
129 100
127 78.7 39.5 118.5





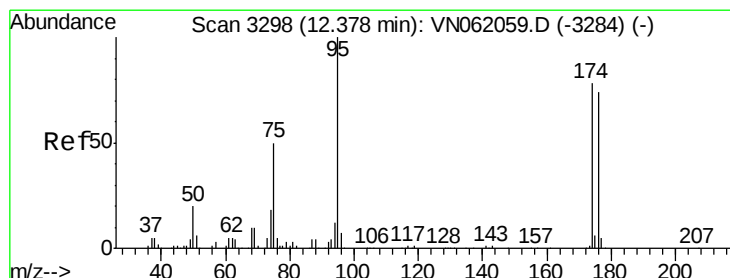
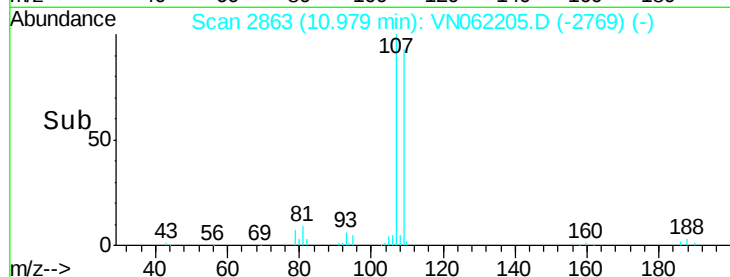
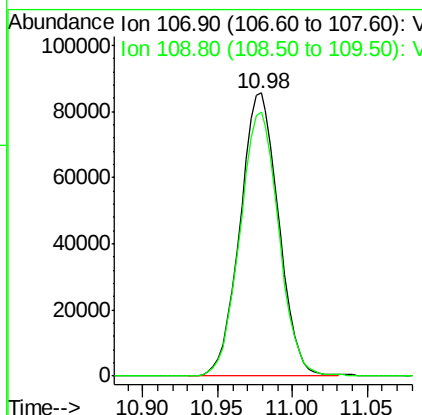
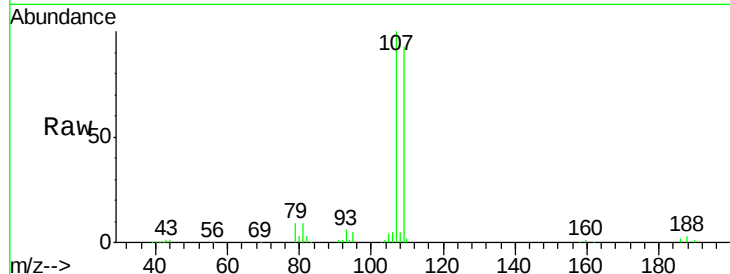
#61
 1,2-Dibromoethane
 Concen: 50.154 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

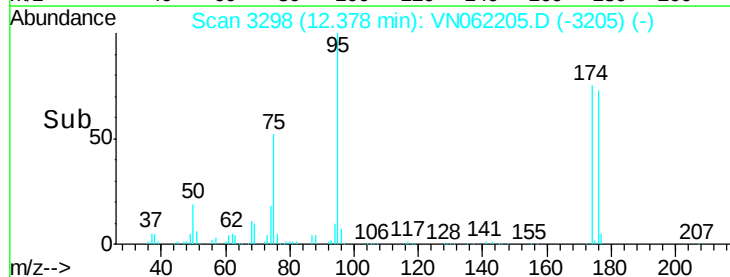
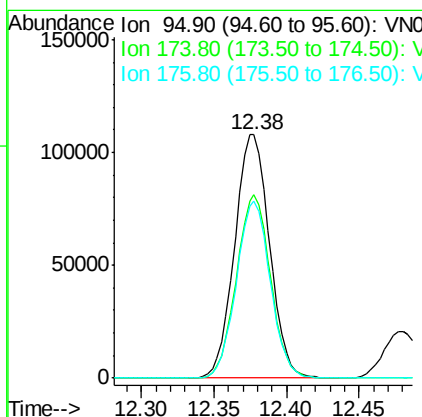
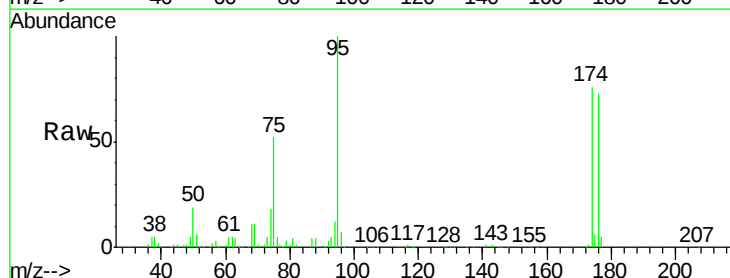
Manual Integrations
 APPROVED

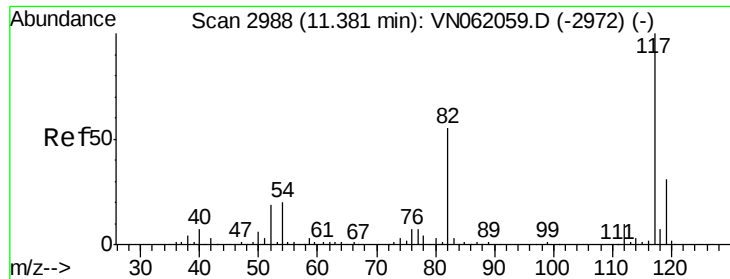
MMDadoda
 6/30/2020 10:42:43 AM



#62
 4-Bromofluorobenzene
 Concen: 51.405 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	154.8
176	70.7	0.0	147.4





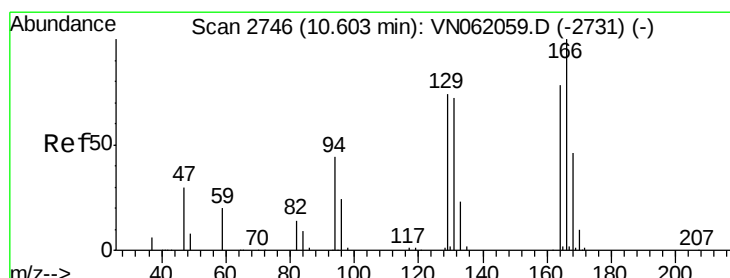
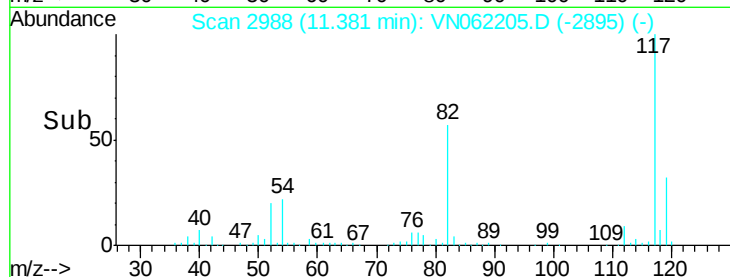
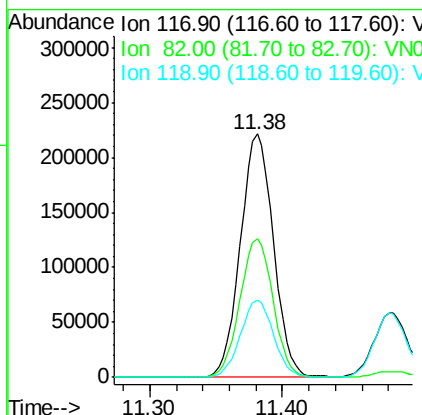
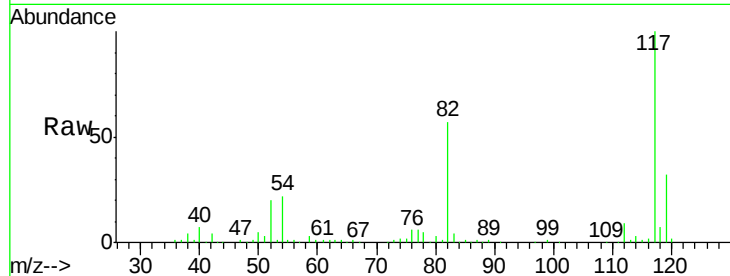
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	43.8	65.8
119	31.8	25.2	37.8

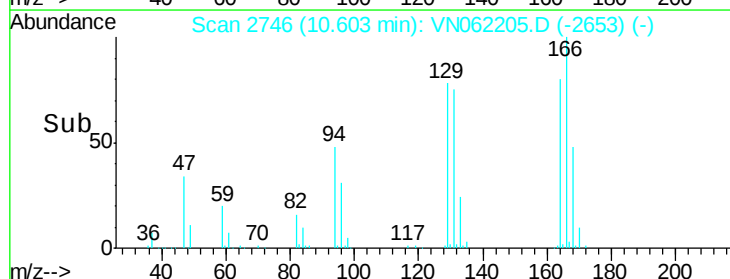
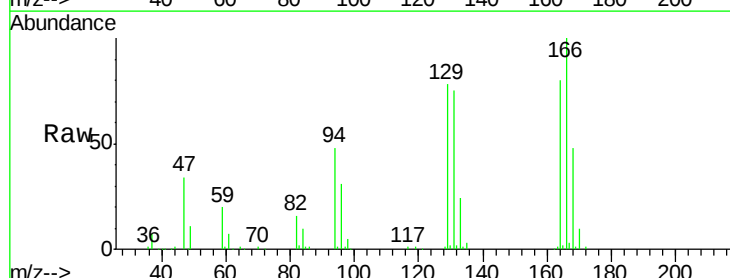
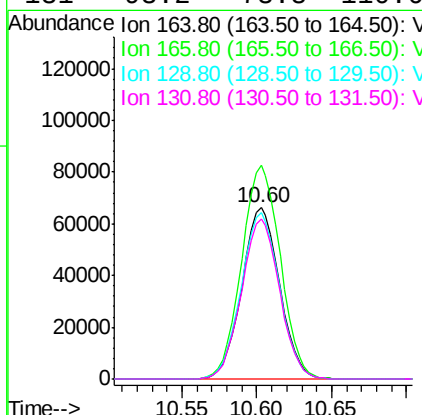
Manual Integrations
APPROVED

MMDadoda
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#64
Tetrachloroethene
Concen: 44.406 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.9	154.3
129	97.1	75.8	113.8
131	93.2	73.8	110.6





#65

Chlorobenzene

Concen: 47.595 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 401157

Ion Ratio Lower Upper

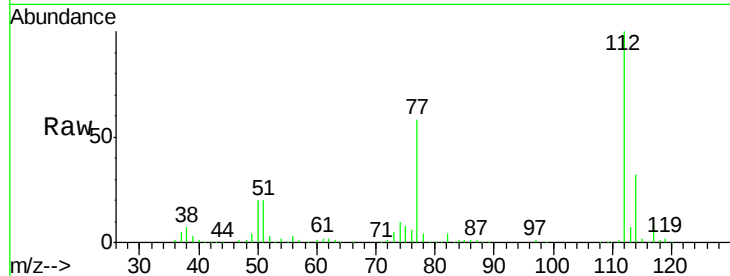
112 100

114 32.0 25.8 38.8

Manual Integrations
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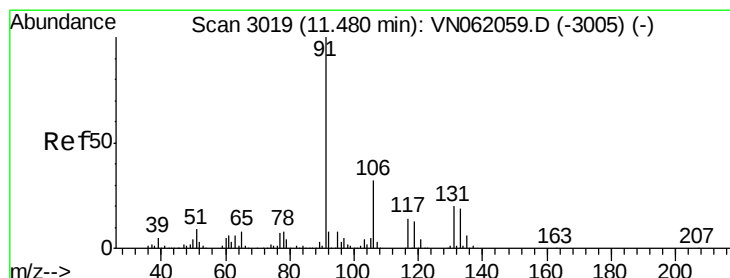
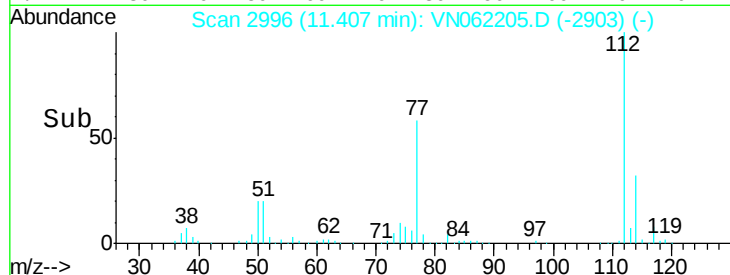
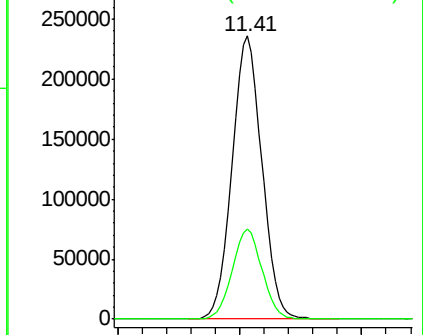
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.039 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

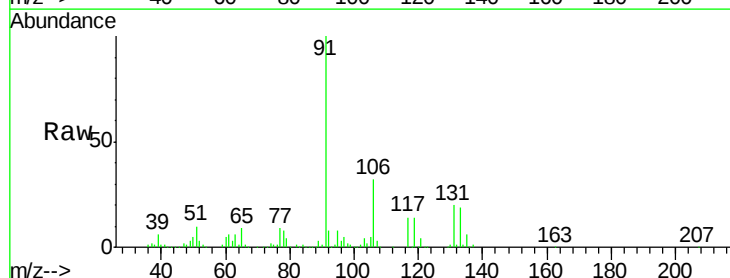
Tgt Ion:131 Resp: 142926

Ion Ratio Lower Upper

131 100

133 94.7 47.6 142.9

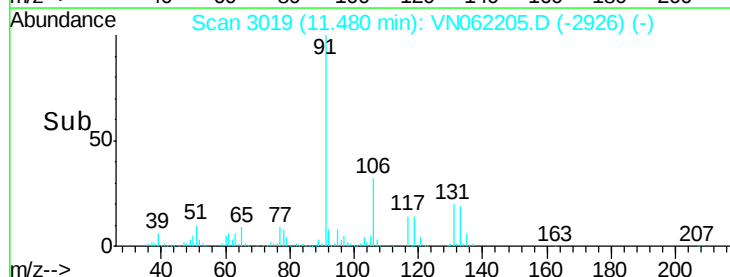
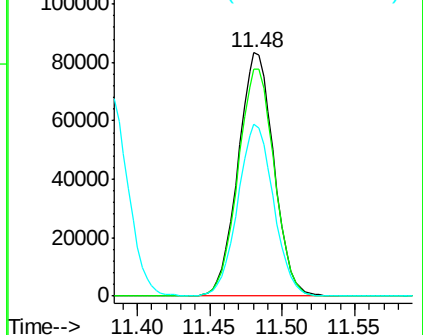
119 70.7 34.4 103.3

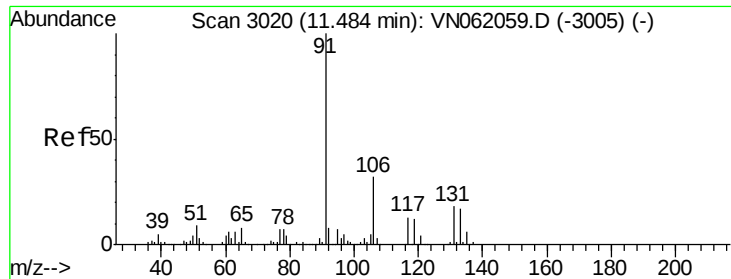


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





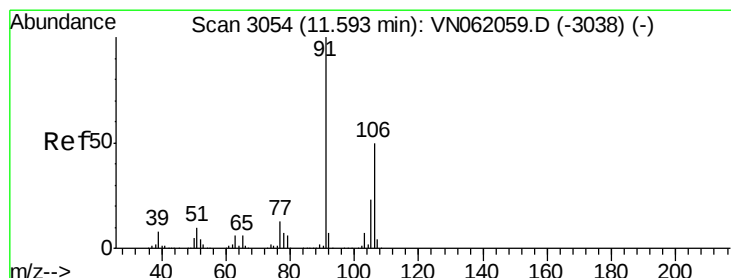
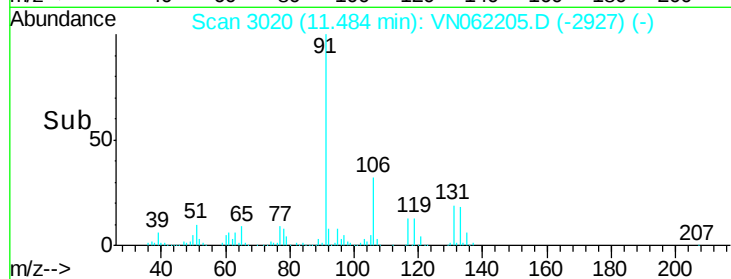
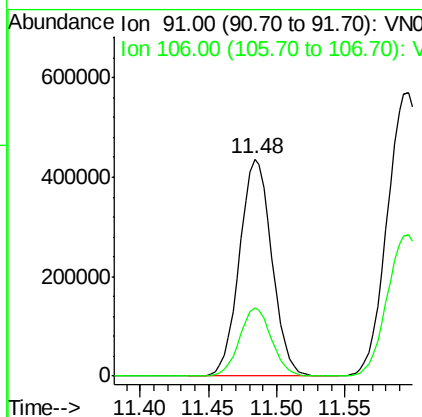
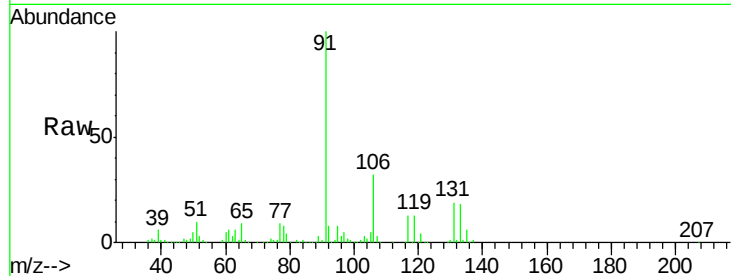
#67
Ethyl Benzene
Concen: 50.536 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 719377
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9

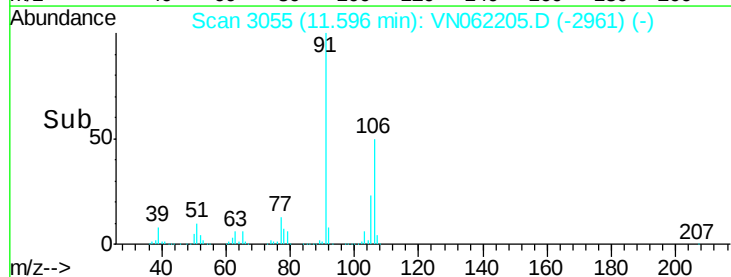
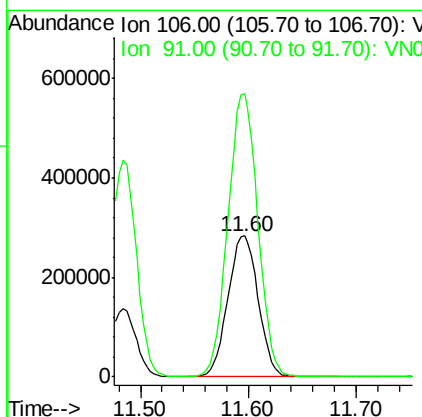
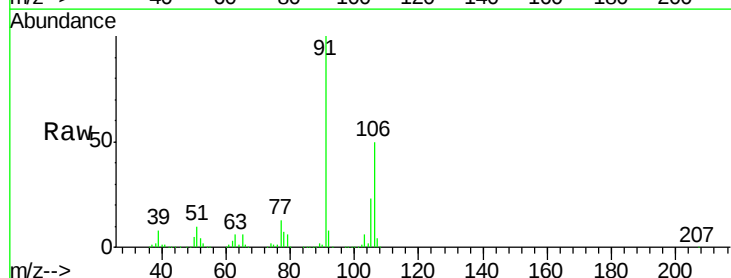
Manual Integrations
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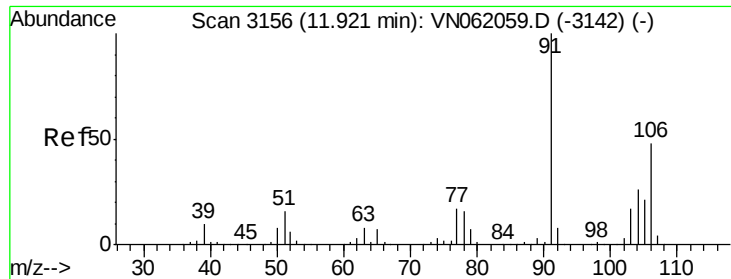
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6/30/2020 10:42:43 AM



#68
m/p-Xylenes
Concen: 100.483 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion: 106 Resp: 553239
Ion Ratio Lower Upper
106 100
91 198.8 157.8 236.8





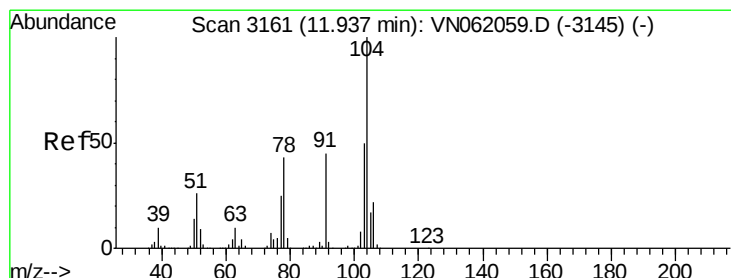
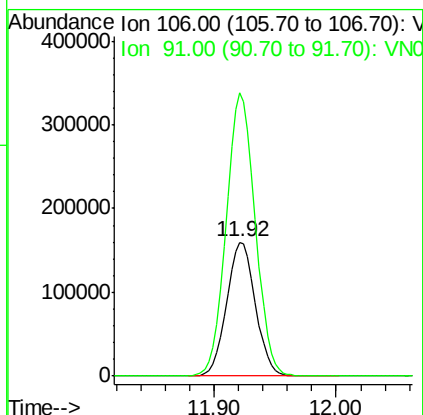
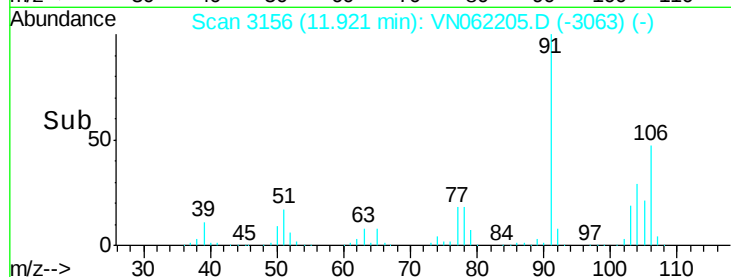
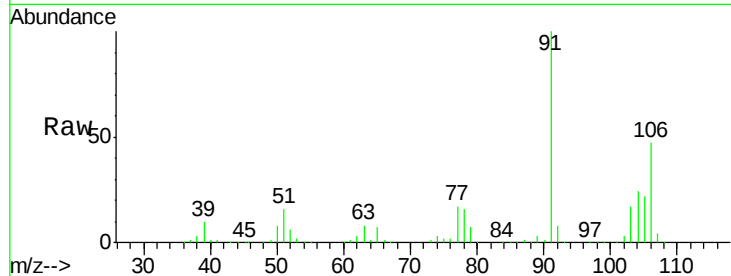
#69
o-Xylene
Concen: 50.648 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 263107
Ion Ratio Lower Upper
106 100
91 213.1 104.0 311.9

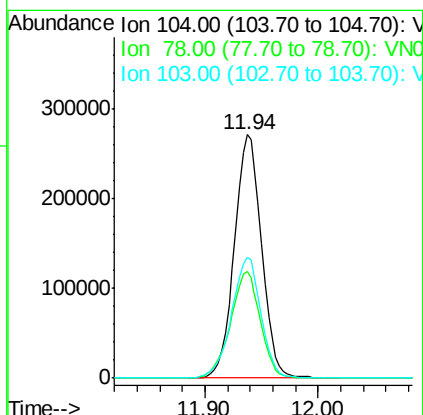
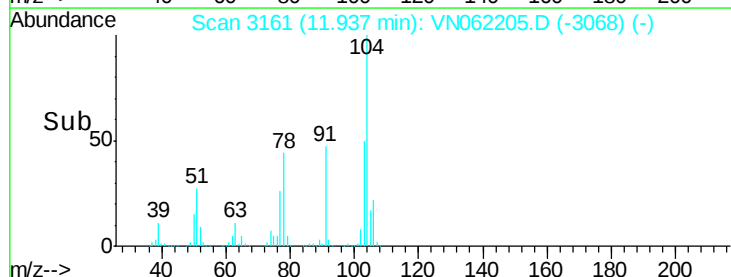
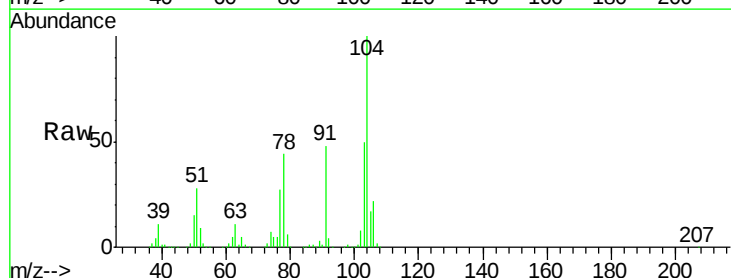
Manual Integrations
APPROVED

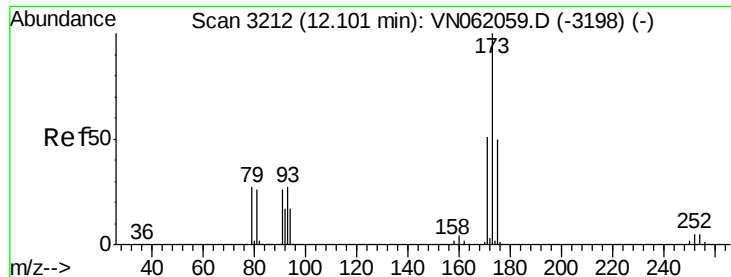
MMDadoda
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#70
Styrene
Concen: 52.370 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion:104 Resp: 453713
Ion Ratio Lower Upper
104 100
78 47.8 37.7 56.5
103 53.7 43.0 64.6





#71

Bromoform

Concen: 49.004 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 101548

Ion Ratio Lower Upper

173 100

175 49.2 24.7 74.1

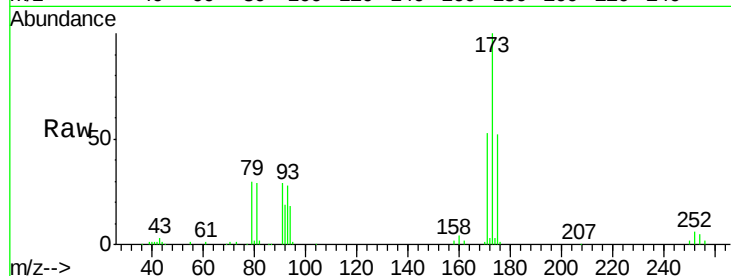
254 0.0 0.0 0.0

Manual Integrations

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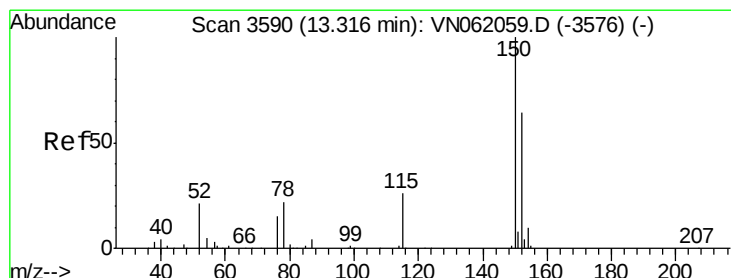
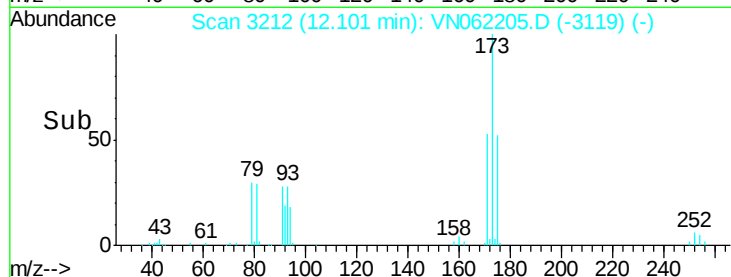
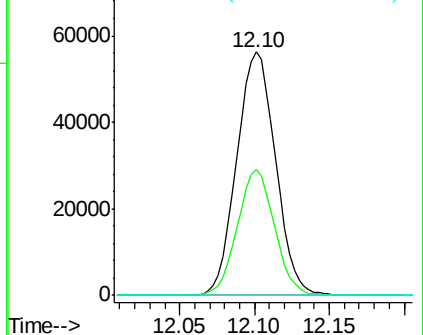
6/30/2020 10:42:43 AM



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# 3591

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

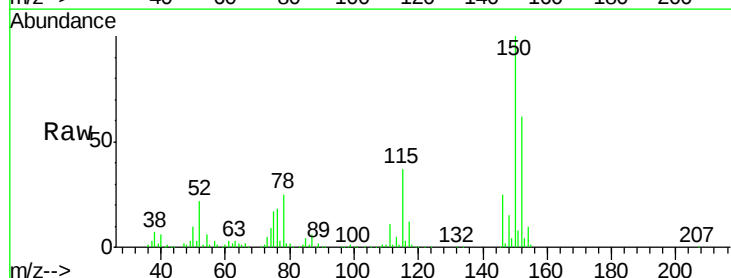
Tgt Ion:152 Resp: 180635

Ion Ratio Lower Upper

152 100

115 59.9 29.5 88.5

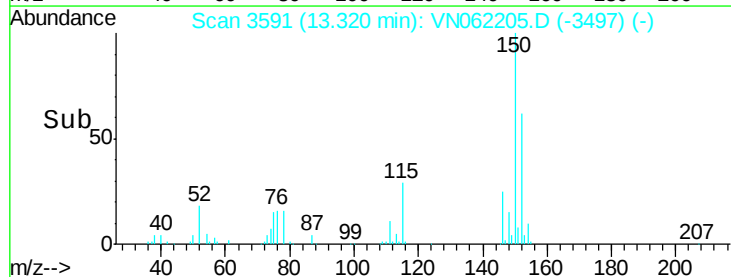
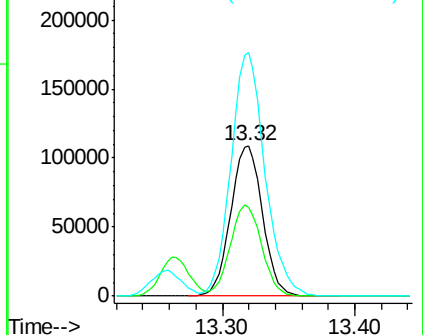
150 173.3 0.0 351.4



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: 50.112 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 700693

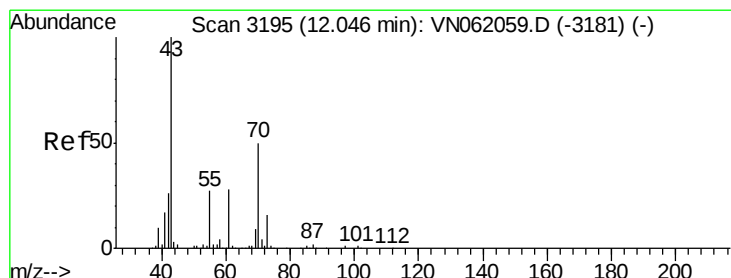
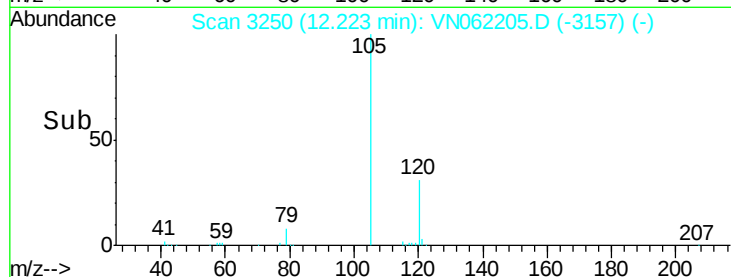
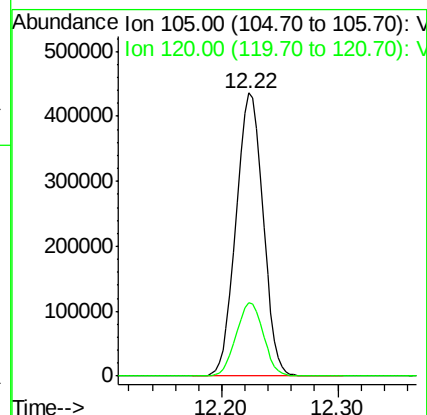
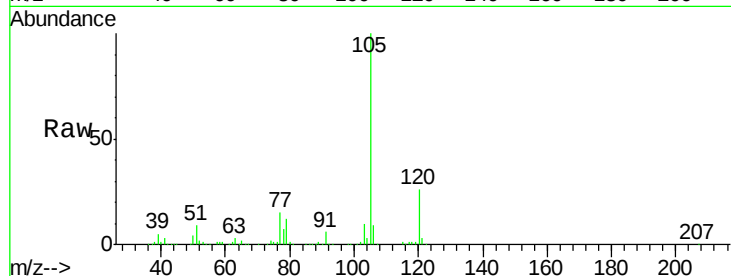
Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 50.606 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion: 43 Resp: 260703

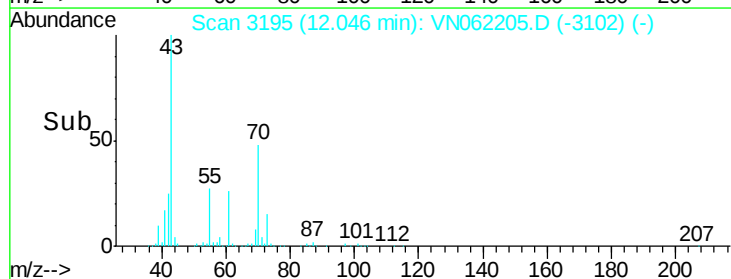
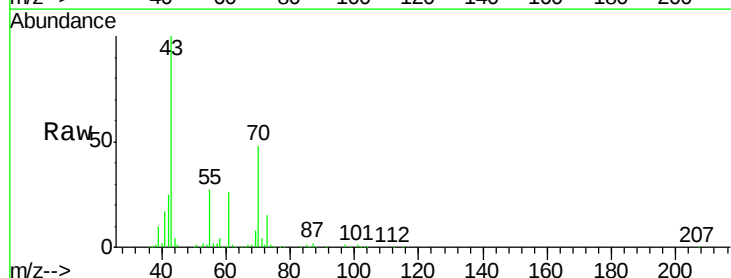
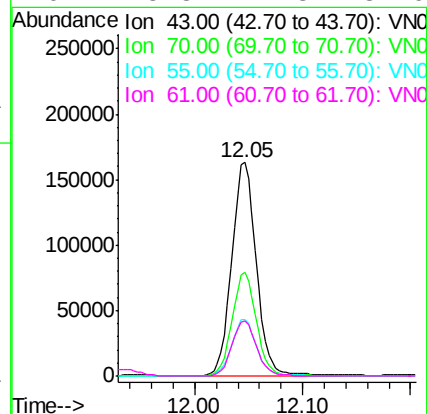
Ion Ratio Lower Upper

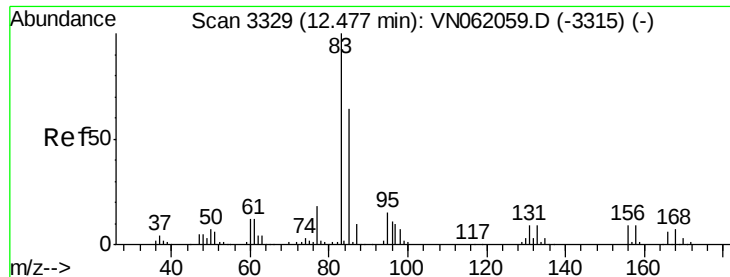
43 100

70 47.7 39.4 59.2

55 27.0 21.7 32.5

61 25.8 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.613 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 230852

Ion Ratio Lower Upper

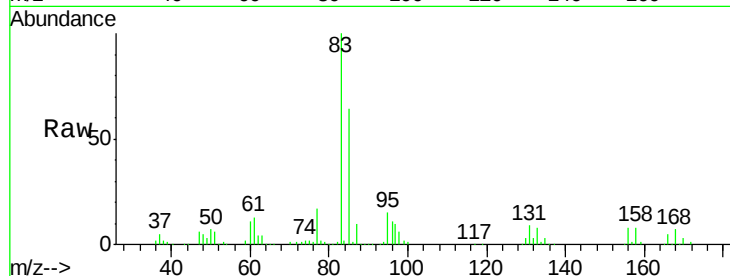
83 100

131 9.4 4.8 14.4

85 64.4 32.4 97.0

Manual Integrations
APPROVED

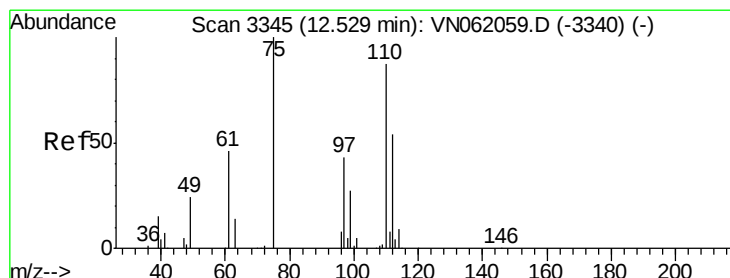
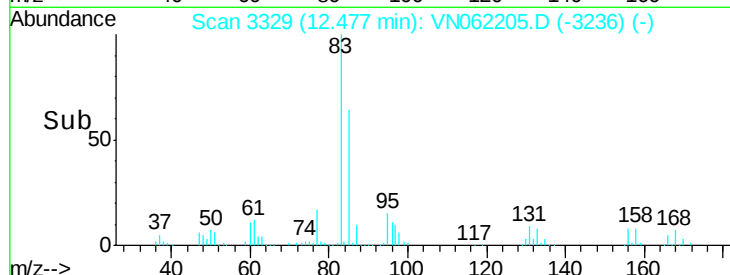
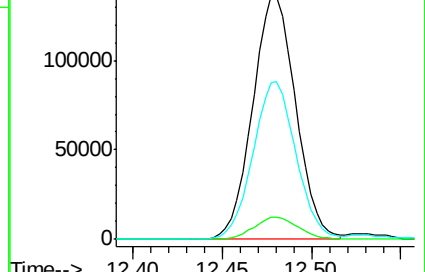
MMDadoda
6/30/2020 10:42:43 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062205.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN062205.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN062205.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 45.708 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062205.D

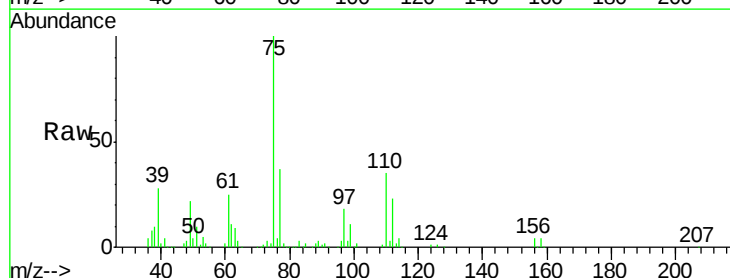
Acq: 29 Jun 2020 22:33

Tgt Ion: 75 Resp: 194362

Ion Ratio Lower Upper

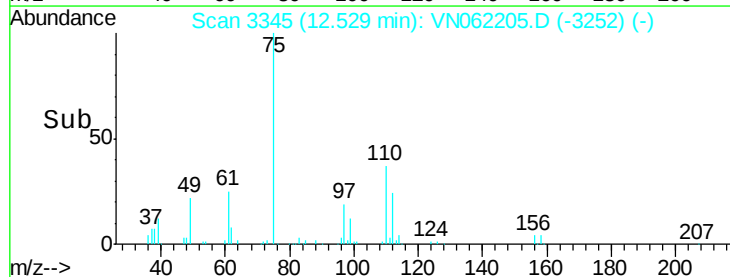
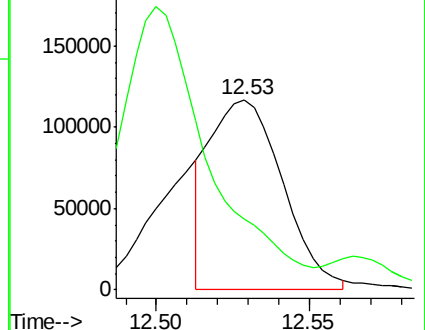
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062205.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062205.D (-3252) (-)





#77

Bromobenzene

Concen: 47.096 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

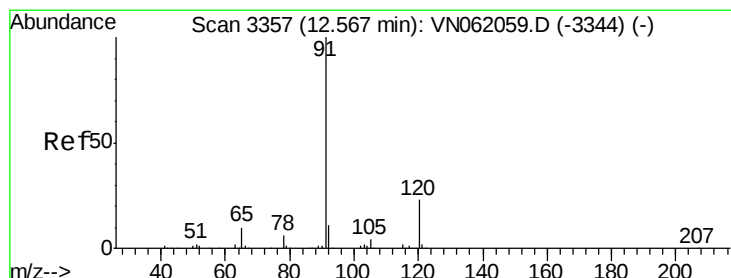
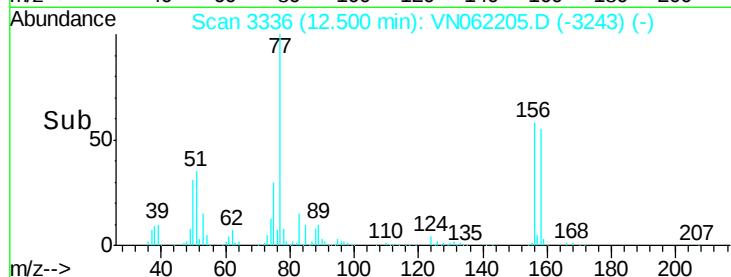
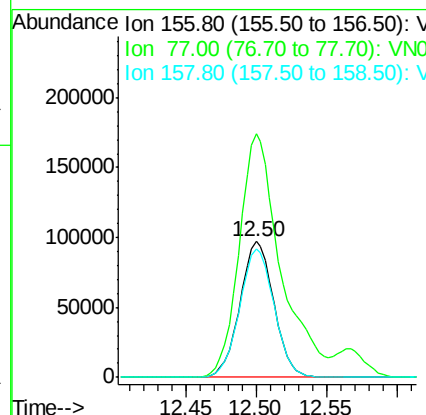
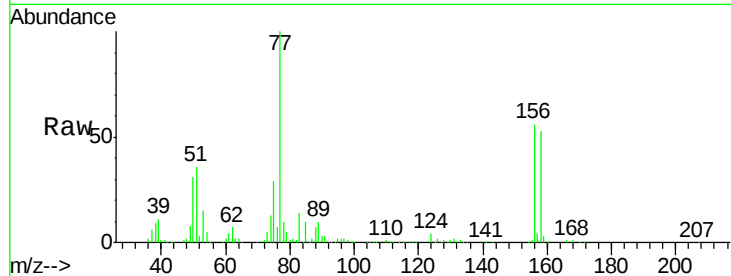
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.0	104.6	313.8
158	96.2	48.0	144.0

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#78

n-propylbenzene

Concen: 50.690 ug/l

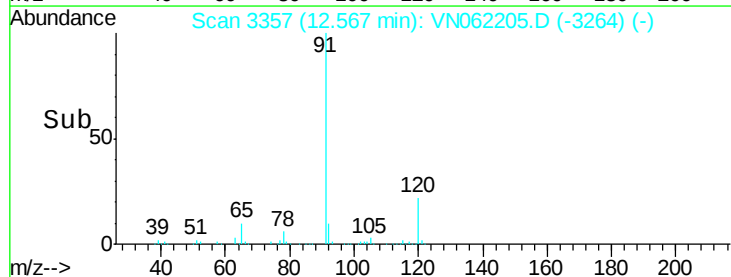
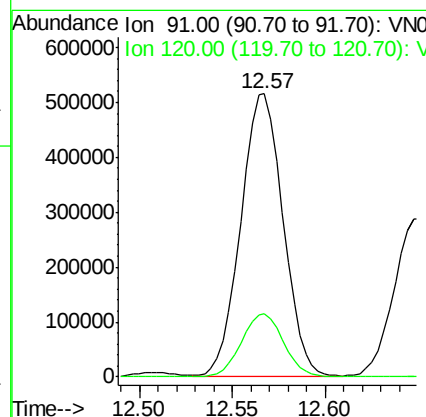
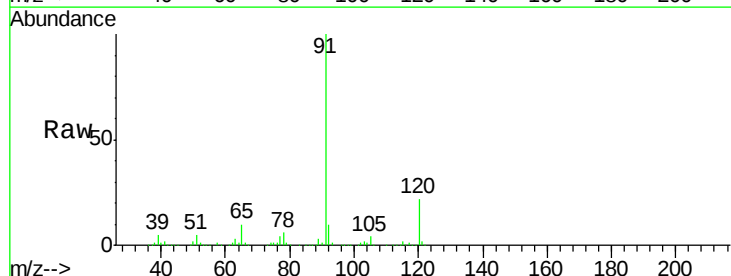
RT: 12.57 min Scan# 3357

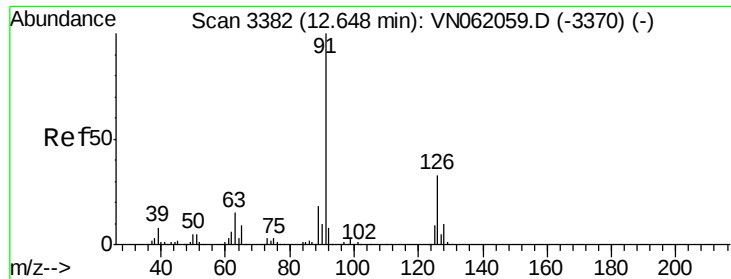
Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.4	34.1





#79

2-Chlorotoluene

Concen: 49.085 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 474608

Ion Ratio Lower Upper

91 100

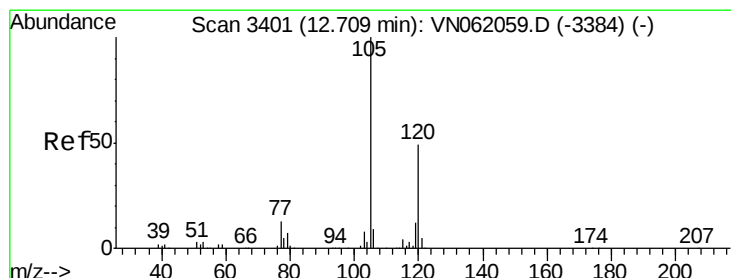
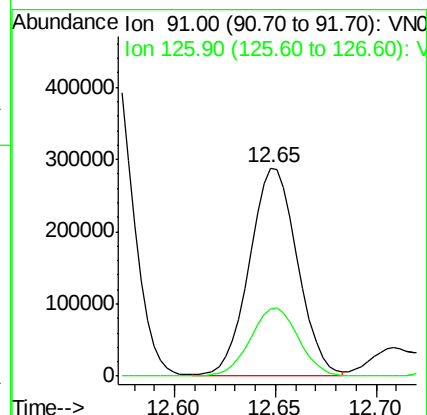
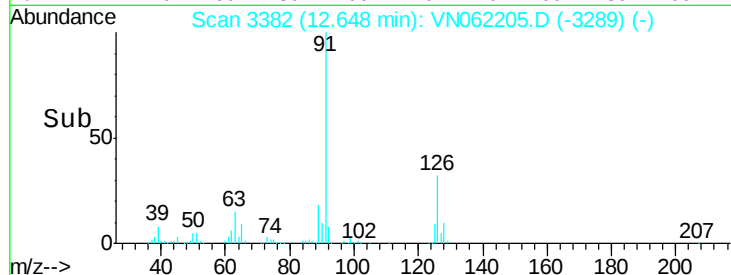
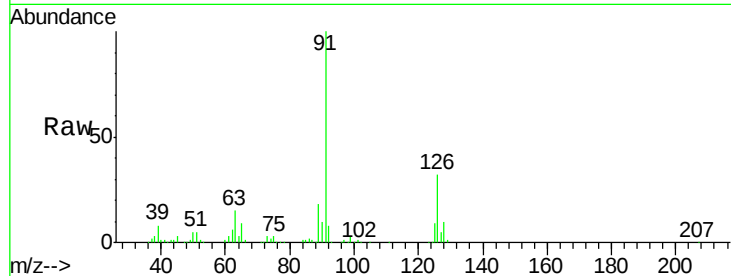
126 33.3 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 51.118 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062205.D

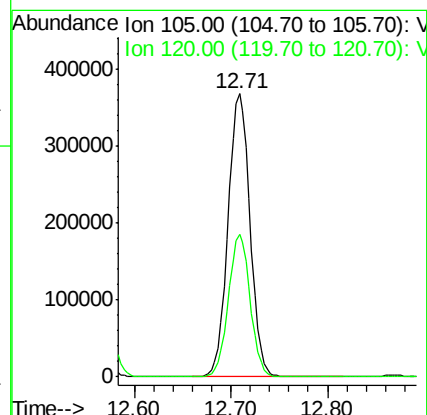
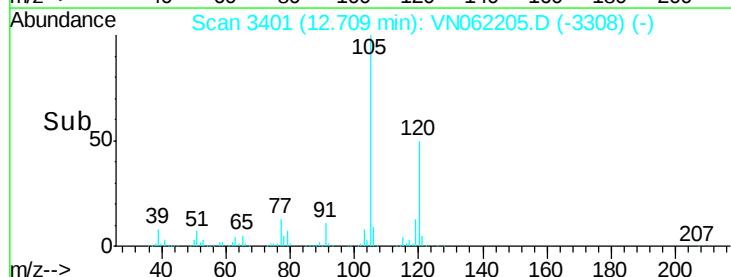
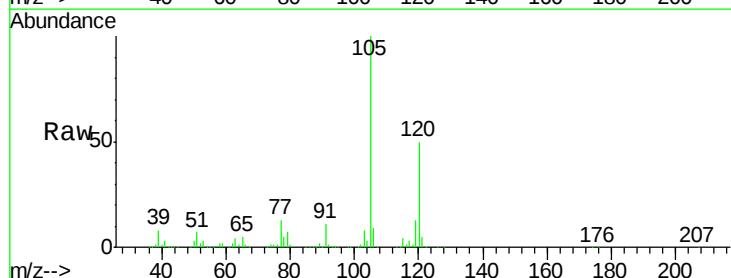
Acq: 29 Jun 2020 22:33

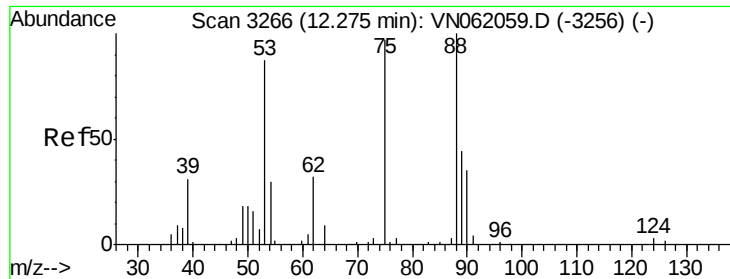
Tgt Ion: 105 Resp: 579427

Ion Ratio Lower Upper

105 100

120 49.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.447 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 71999

Ion Ratio Lower Upper

75 100

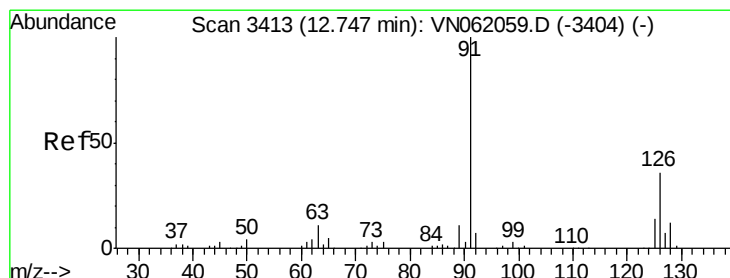
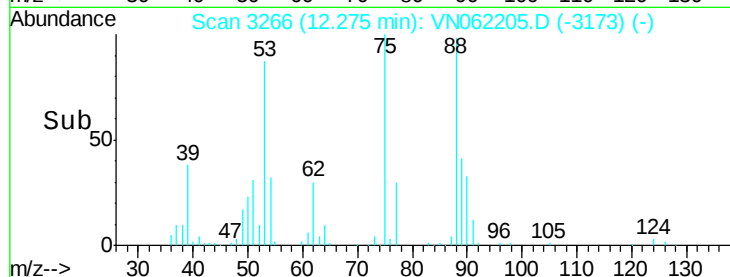
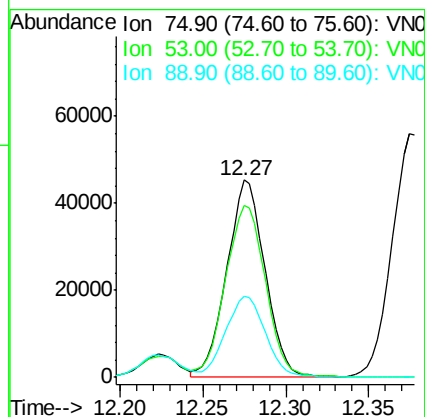
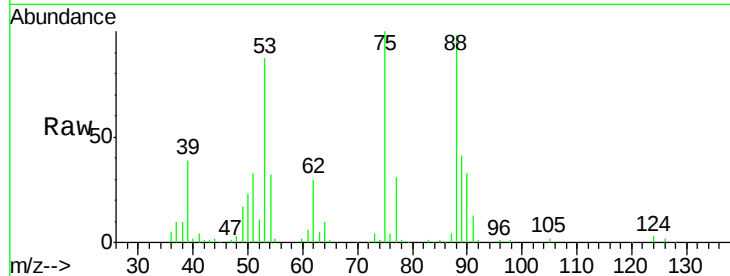
53 92.9 72.0 108.0

89 43.4 36.9 55.3

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#82

4-Chlorotoluene

Concen: 49.611 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062205.D

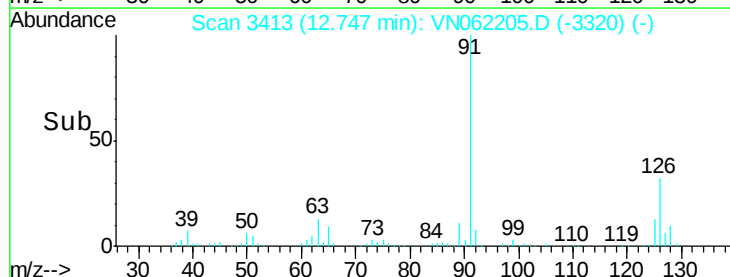
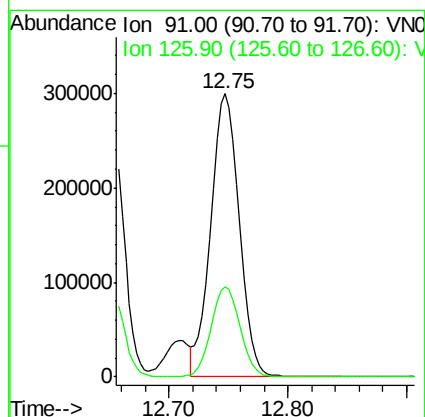
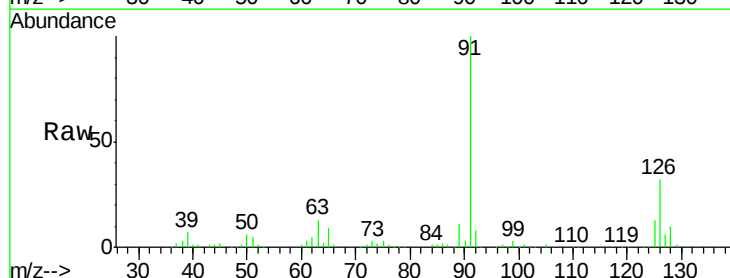
Acq: 29 Jun 2020 22:33

Tgt Ion: 91 Resp: 496058

Ion Ratio Lower Upper

91 100

126 32.3 16.7 50.1





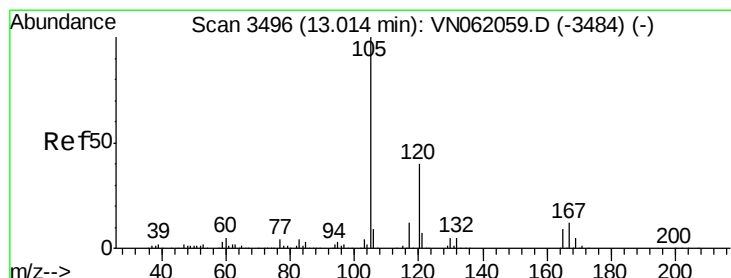
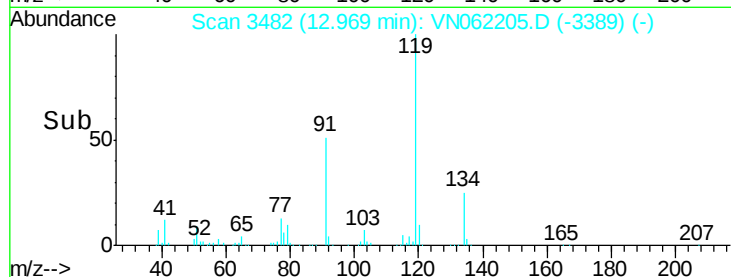
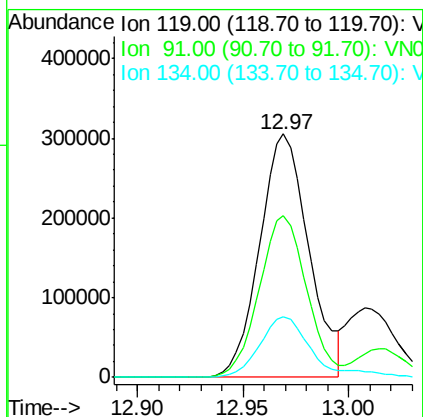
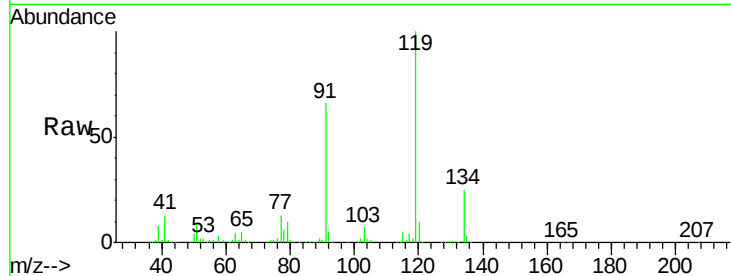
#83
tert-Butylbenzene
Concen: 51.112 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	495820		
91	64.3	31.7	95.1	
134	24.5	13.1	39.1	

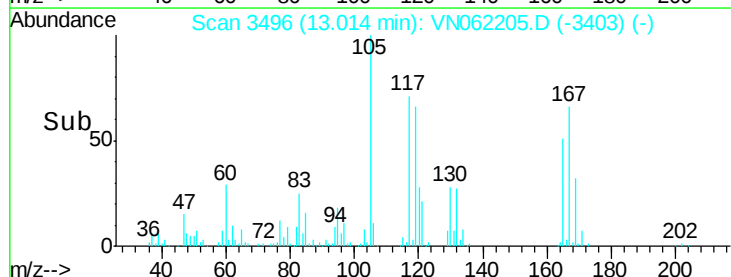
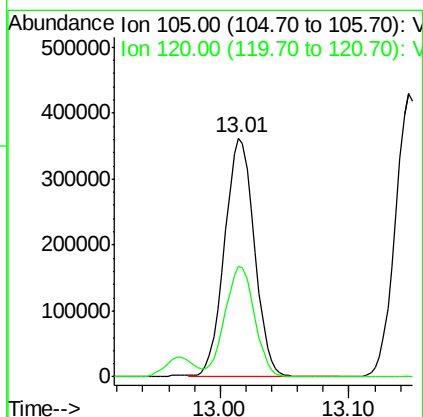
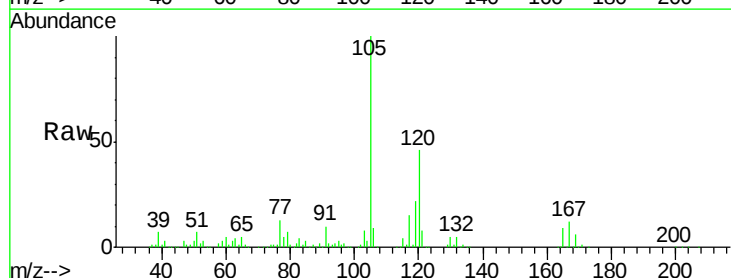
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#84
1,2,4-Trimethylbenzene
Concen: 51.072 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	578171		
120	46.4	23.2	69.5	





#85

sec-Butylbenzene

Concen: 52.644 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 674792

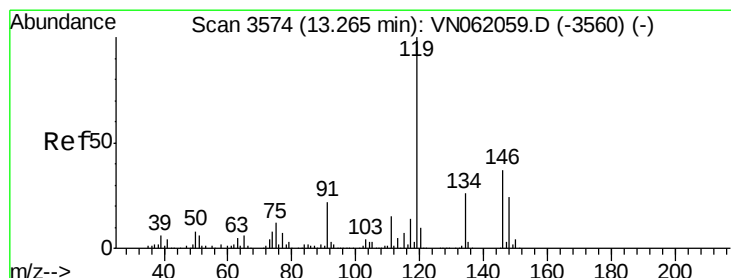
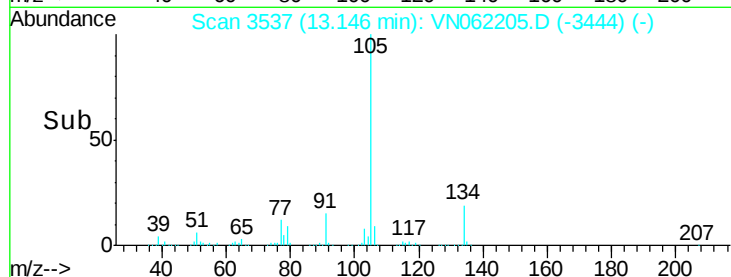
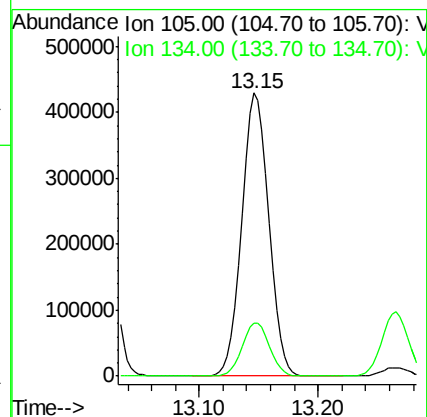
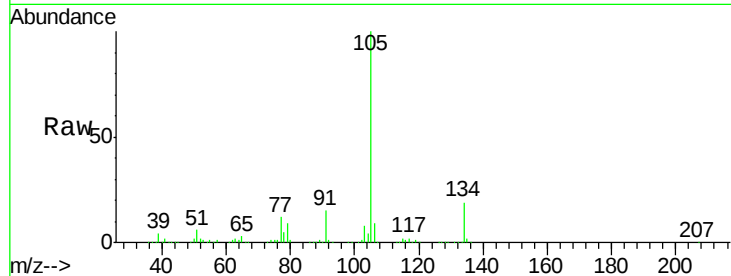
Ion Ratio Lower Upper

105 100

134 19.0 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 52.571 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

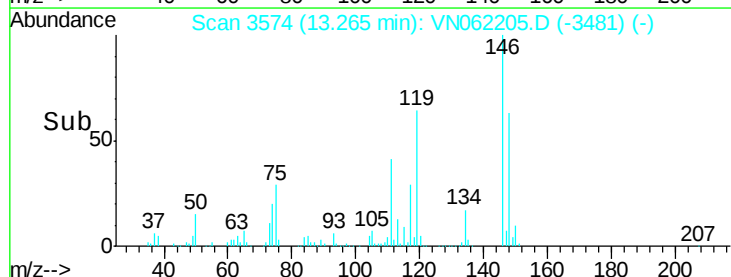
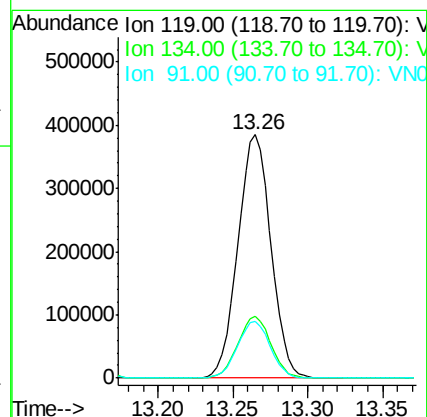
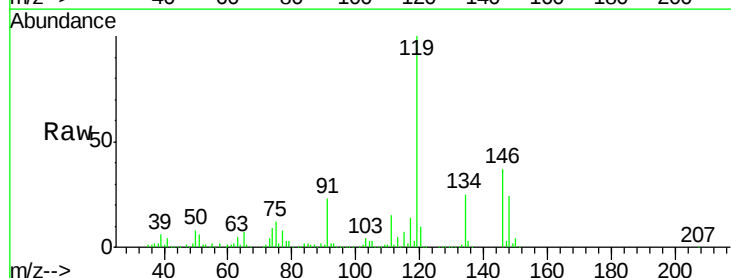
Tgt Ion:119 Resp: 590382

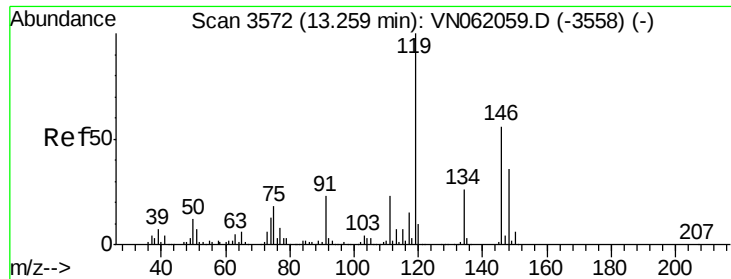
Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 23.0 11.3 33.8





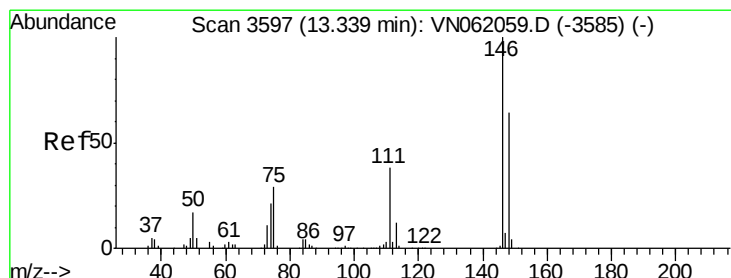
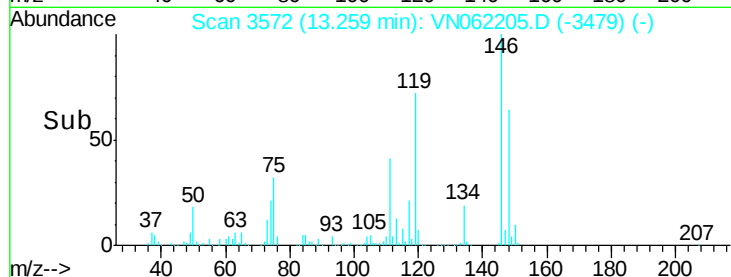
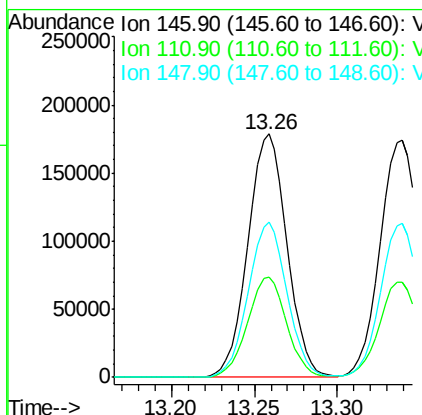
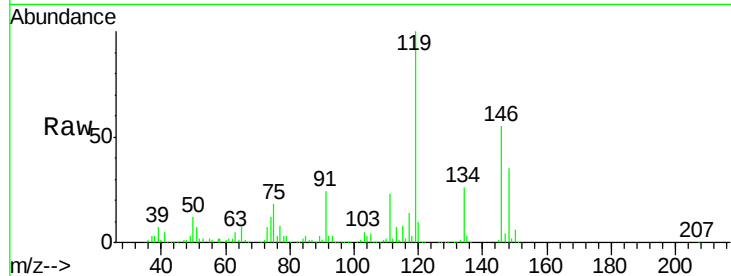
#87
 1,3-Dichlorobenzene
 Concen: 48.213 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293895		
111	41.1	20.3	61.0	
148	63.6	31.8	95.3	

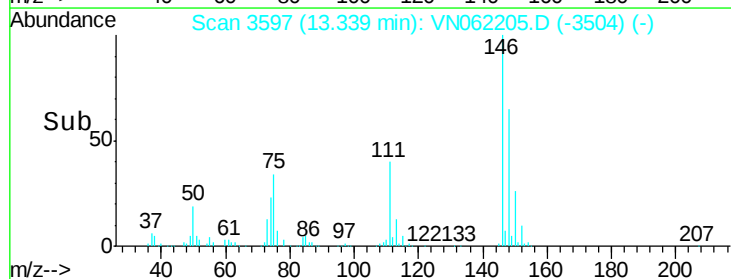
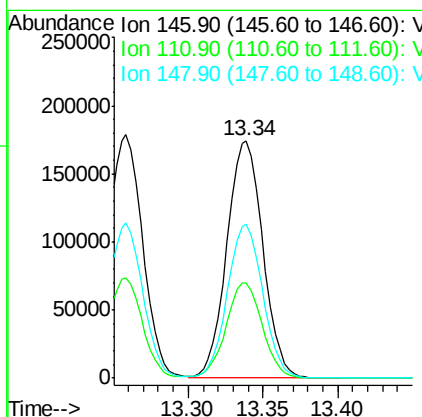
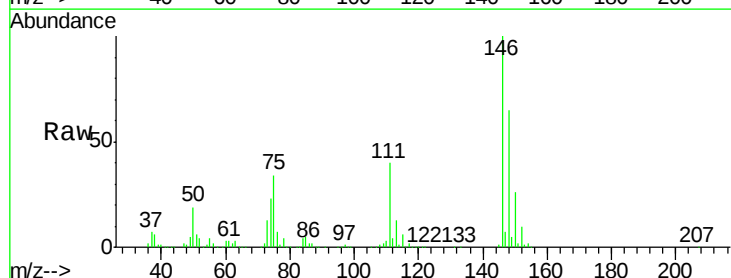
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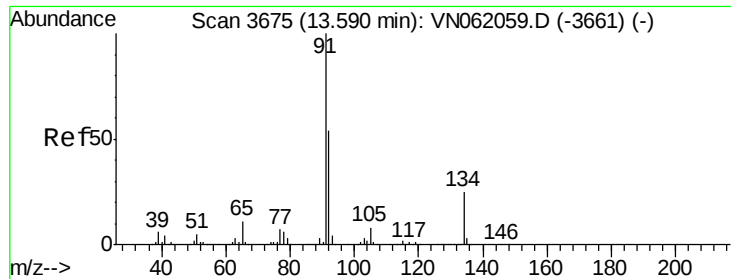
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#88
 1,4-Dichlorobenzene
 Concen: 46.363 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	291329		
111	40.2	19.9	59.6	
148	64.0	31.9	95.9	





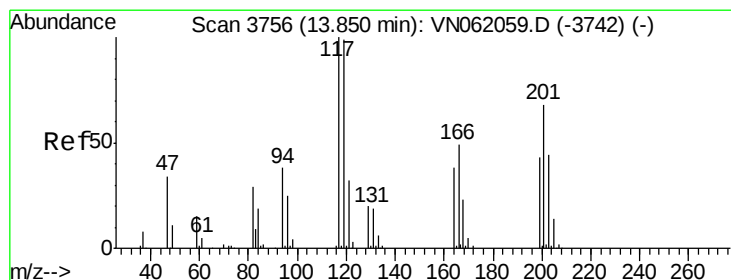
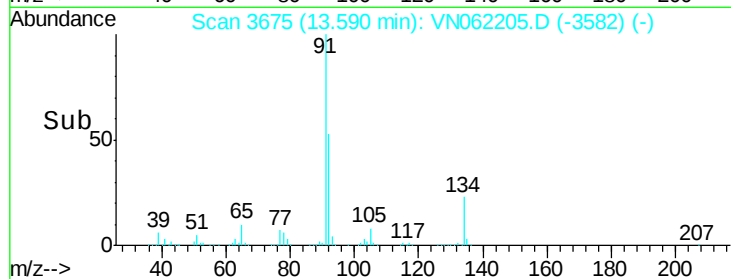
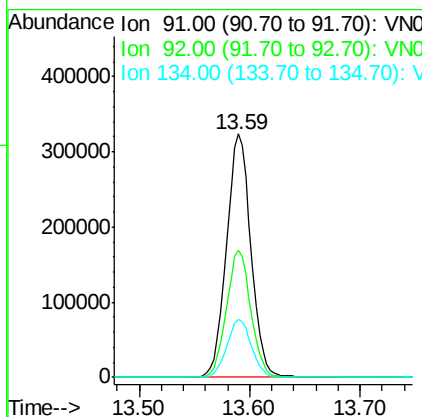
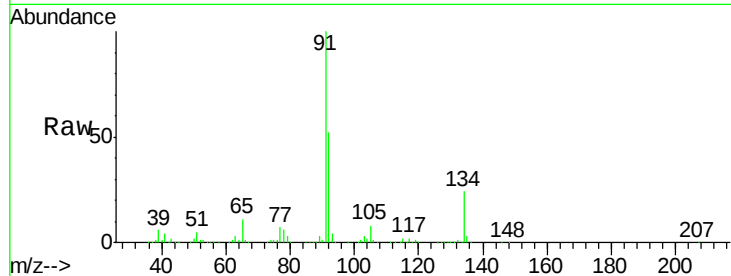
#89
n-Butylbenzene
Concen: 53.130 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	24.1	12.3	36.9

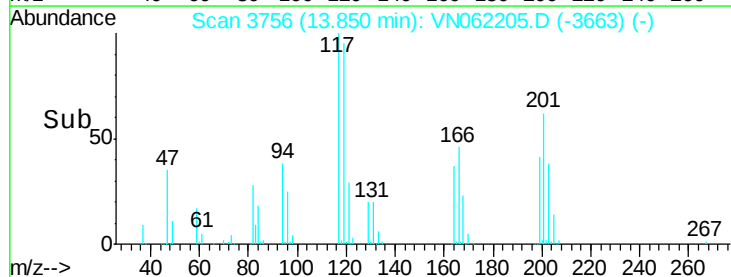
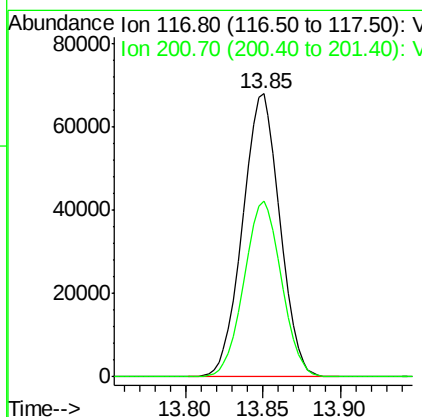
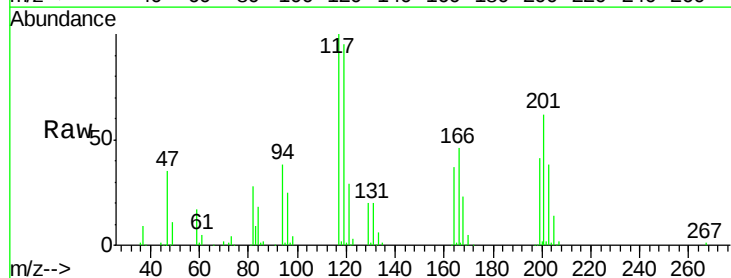
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#90
Hexachloroethane
Concen: 51.696 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.3	32.7	98.1





#91

1,2-Dichlorobenzene

Concen: 48.722 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Instrument :

MSVOA_N

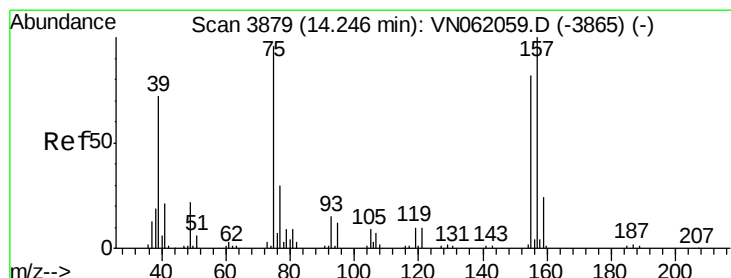
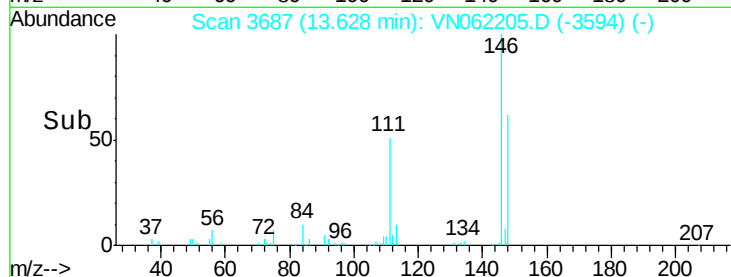
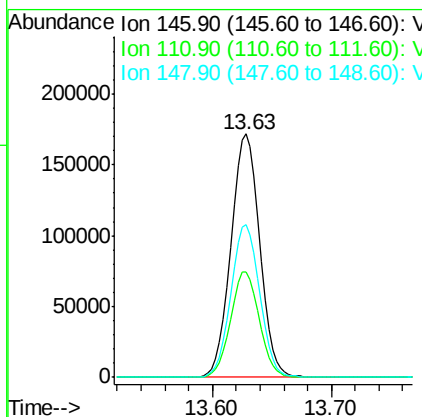
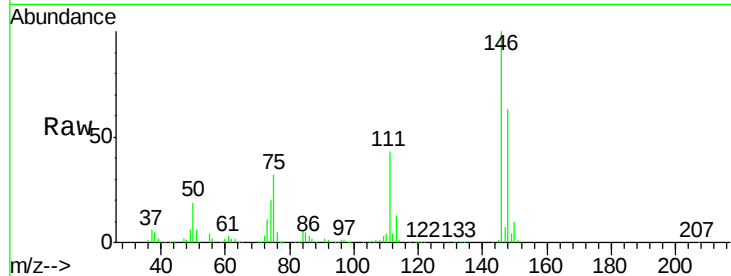
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	288003
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.2	63.6
148	62.8	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.591 ug/l

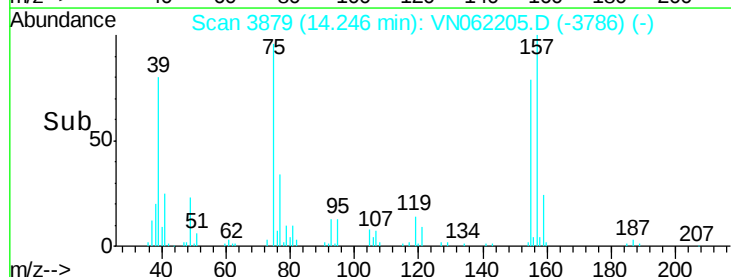
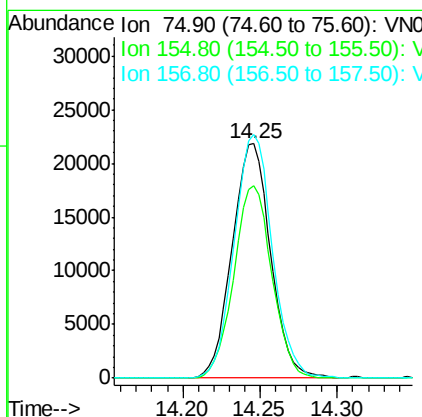
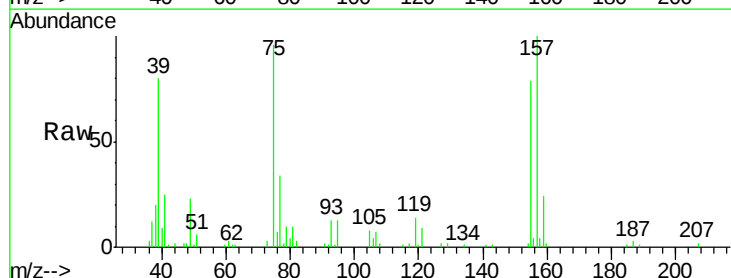
RT: 14.25 min Scan# 3879

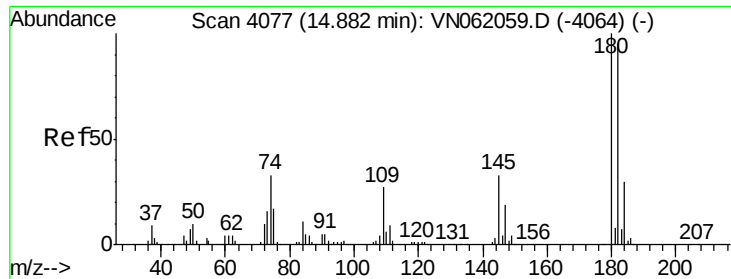
Delta R.T. 0.00 min

Lab File: VN062205.D

Acq: 29 Jun 2020 22:33

Tgt Ion:	75	Resp:	37710
Ion Ratio	Lower	Upper	
75	100		
155	81.0	40.8	122.4
157	103.2	51.4	154.3





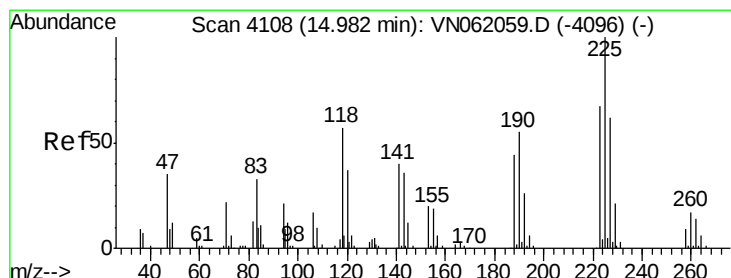
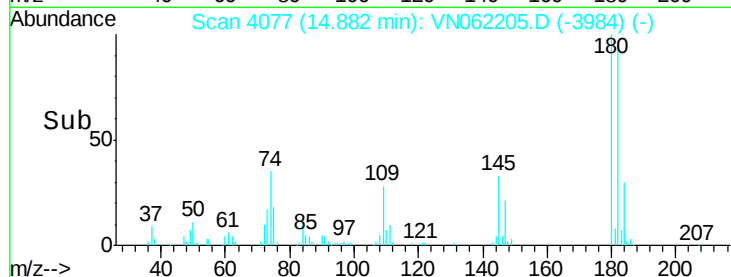
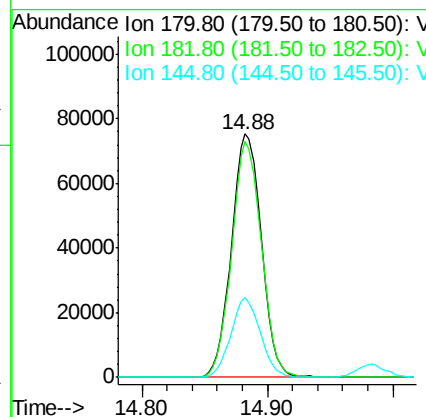
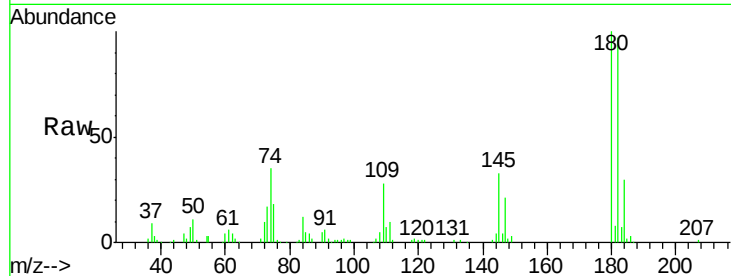
#93
 1,2,4-Trichlorobenzene
 Concen: 48.440 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.2
145	32.0	16.0	48.0

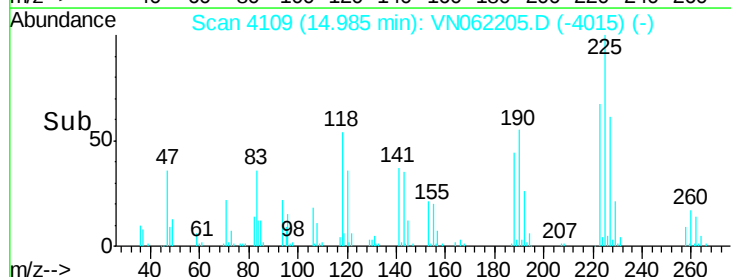
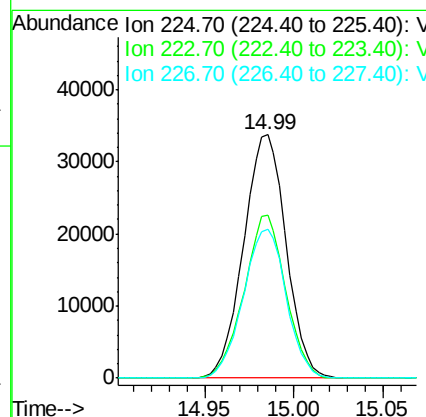
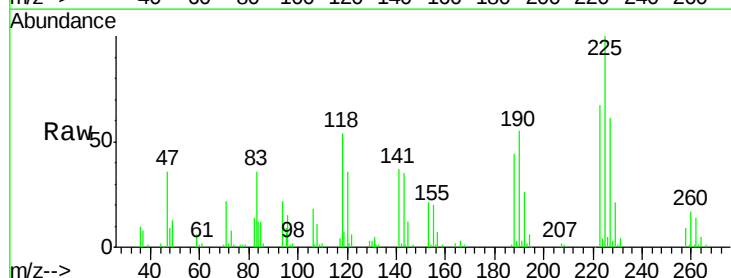
Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:42:43 AM



#94
 Hexachlorobutadiene
 Concen: 50.012 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062205.D
 Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.9	98.7
227	61.6	31.3	93.8





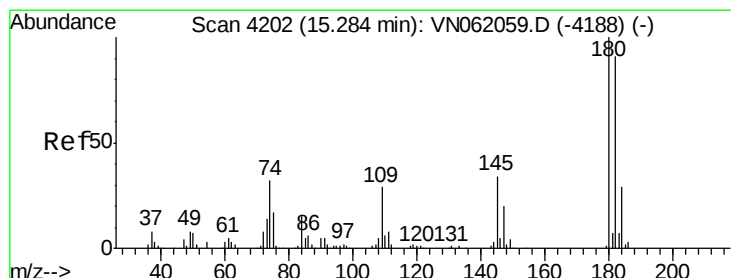
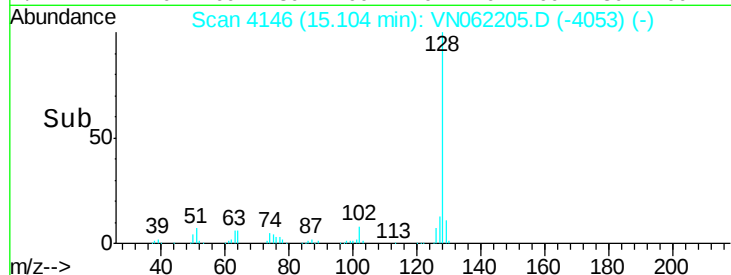
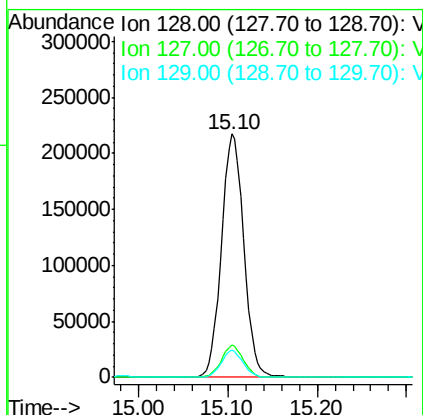
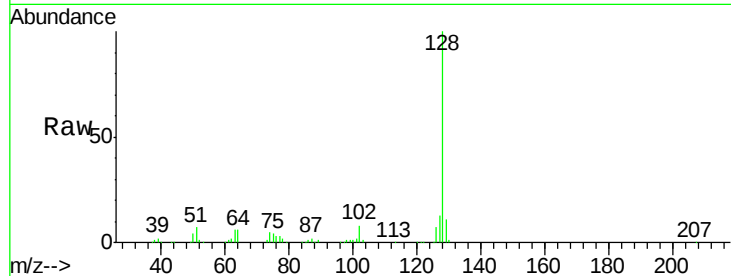
#95
Naphthalene
Concen: 44.291 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/30/2020 10:42:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.593 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062205.D
Acq: 29 Jun 2020 22:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.8	140.4
145	33.8	16.4	49.2

