

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062082.D
 Acq On : 24 Jun 2020 23:26
 Operator : JC/MD
 Sample : VN0624WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:10:49 PM

Quant Time: Jun 25 05:39:45 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	246979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	449904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	424086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191106	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	177525	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
35) Dibromofluoromethane	7.55	113	142927	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	10.06	98	567266	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.38	95	188506	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	51247	18.357	ug/l	98
3) Chloromethane	2.03	50	66748	19.493	ug/l	99
4) Vinyl Chloride	2.16	62	81902	18.630	ug/l	98
5) Bromomethane	2.53	94	46753	16.455	ug/l	96
6) Chloroethane	2.67	64	56193	18.711	ug/l	98
7) Trichlorofluoromethane	2.98	101	98351	18.155	ug/l	97
8) Diethyl Ether	3.37	74	35402	18.715	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	50520	17.809	ug/l	97
10) Methyl Iodide	3.91	142	45855	14.353	ug/l	99
11) Tert butyl alcohol	4.74	59	46433	93.308	ug/l	98
12) 1,1-Dichloroethene	3.70	96	52753	18.602	ug/l	99
13) Acrolein	3.57	56	38565	79.154	ug/l	100
14) Allyl chloride	4.27	41	70110	18.158	ug/l	99
15) Acrylonitrile	4.93	53	125062	92.224	ug/l	98
16) Acetone	3.77	43	98093	87.534	ug/l	97
17) Carbon Disulfide	4.01	76	156154	19.255	ug/l	100
18) Methyl Acetate	4.28	43	49812	18.079	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	170354	18.799	ug/l	99
20) Methylene Chloride	4.50	84	62488	19.508	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	57520	17.804	ug/l	98
22) Diisopropyl ether	5.90	45	160453	18.251	ug/l	96
23) Vinyl Acetate	5.84	43	657594	91.618	ug/l	99
24) 1,1-Dichloroethane	5.79	63	103414	18.268	ug/l	99
25) 2-Butanone	6.79	43	152057	89.756	ug/l	98
26) 2,2-Dichloropropane	6.77	77	73041	15.483	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	65940	18.139	ug/l	97
28) Bromochloromethane	7.15	49	43418	17.677	ug/l	98
29) Tetrahydrofuran	7.17	42	104120	93.825	ug/l	99
30) Chloroform	7.33	83	107943	18.741	ug/l	97
31) Cyclohexane	7.62	56	87663	18.307	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	89998	18.528	ug/l	99
36) 1,1-Dichloropropene	7.75	75	78681	17.399	ug/l	99
37) Ethyl Acetate	6.88	43	68700	18.346	ug/l	98
38) Carbon Tetrachloride	7.73	117	75517	17.713	ug/l	100

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Quant Time: Jun 25 05:39:45 2020
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 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)
39) Methylcyclohexane	9.05	83	86455	17.448	ug/l	97
40) Benzene	8.00	78	242760	17.612	ug/l	97
41) Methacrylonitrile	7.13	41	29465	16.973	ug/l	97
42) 1,2-Dichloroethane	8.09	62	83150	17.855	ug/l	99
43) Isopropyl Acetate	8.13	43	106592	17.462	ug/l	97
44) Trichloroethene	8.80	130	60589	17.426	ug/l	99
45) 1,2-Dichloropropane	9.08	63	61496	18.085	ug/l	98
46) Dibromomethane	9.18	93	40702	17.654	ug/l	98
47) Bromodichloromethane	9.37	83	83307	17.896	ug/l	95
48) Methyl methacrylate	9.17	41	48372	17.673	ug/l	98
49) 1,4-Dioxane	9.17	88	21707	357.629	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	320365	89.826	ug/l	99
52) Toluene	10.12	92	152556	18.140	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	86803	16.949	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	95626	17.538	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	60607	18.333	ug/l	99
56) Ethyl methacrylate	10.40	69	77654	17.601	ug/l	97
57) 1,3-Dichloropropane	10.68	76	102576	18.027	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	142024	86.842	ug/l	99
59) 2-Hexanone	10.72	43	229364	89.060	ug/l	99
60) Dibromochloromethane	10.87	129	62101	17.743	ug/l	99
61) 1,2-Dibromoethane	10.98	107	60544	17.823	ug/l	99
64) Tetrachloroethene	10.60	164	50106	17.296	ug/l	98
65) Chlorobenzene	11.41	112	162198	17.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	56607	17.578	ug/l	98
67) Ethyl Benzene	11.48	91	279865	17.793	ug/l	100
68) m/p-Xylenes	11.60	106	218986	35.997	ug/l	99
69) o-Xylene	11.92	106	101954	17.762	ug/l	98
70) Styrene	11.94	104	169075	17.662	ug/l	99
71) Bromoform	12.10	173	39891	17.422	ug/l #	97
73) Isopropylbenzene	12.22	105	272508	18.421	ug/l	99
74) N-amyl acetate	12.05	43	86436	18.155	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	87407	17.756	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	72834m	16.190	ug/l	
77) Bromobenzene	12.50	156	65984	17.966	ug/l	98
78) n-propylbenzene	12.57	91	305276	18.041	ug/l	100
79) 2-Chlorotoluene	12.65	91	183258	17.914	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	219995	18.345	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	24702	16.035	ug/l	99
82) 4-Chlorotoluene	12.75	91	187417	17.717	ug/l	99
83) tert-Butylbenzene	12.97	119	186108	18.134	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	219334	18.313	ug/l	99
85) sec-Butylbenzene	13.15	105	242622	17.891	ug/l	100
86) p-Isopropyltoluene	13.26	119	216435	18.217	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	113307	17.569	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	115160	17.323	ug/l	99
89) n-Butylbenzene	13.59	91	170113	17.222	ug/l	100
90) Hexachloroethane	13.85	117	40409	17.335	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	111076	17.761	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13394	16.984	ug/l	94

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Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

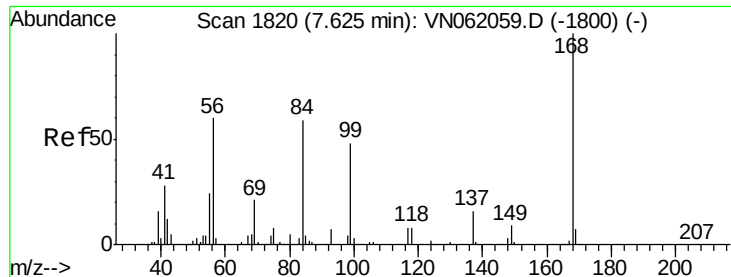
Manual Integrations
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6/25/2020 6:10:49 PM

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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)
93) 1,2,4-Trichlorobenzene	14.89	180	46732	17.105	ug/l	100
94) Hexachlorobutadiene	14.99	225	21195	17.862	ug/l	99
95) Naphthalene	15.11	128	133762	17.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	48318	17.297	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion:168 Resp: 246979

Ion Ratio Lower Upper

168 100

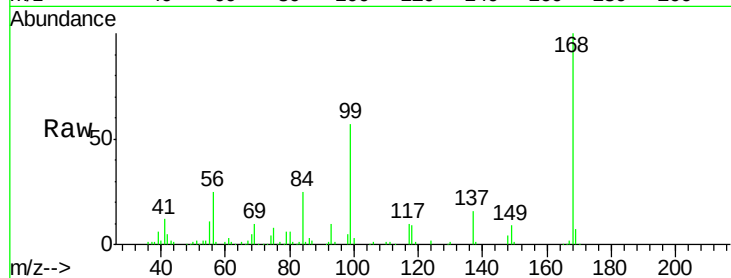
99 57.1 45.8 68.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

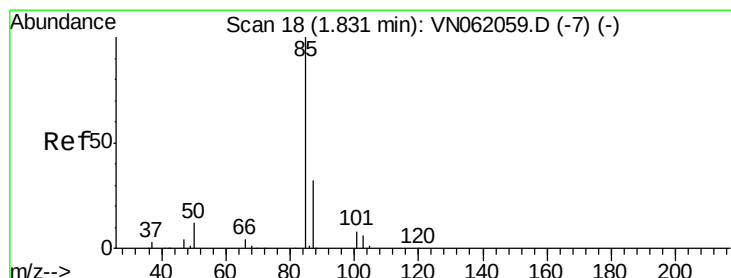
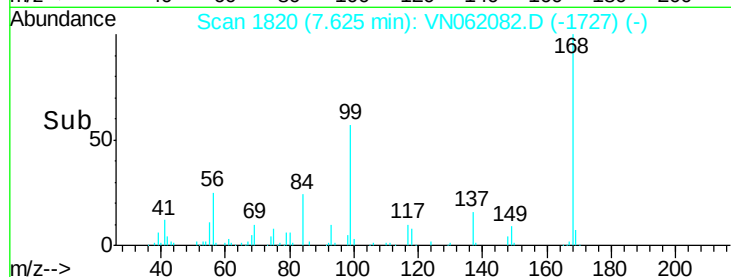
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 18.357 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062082.D

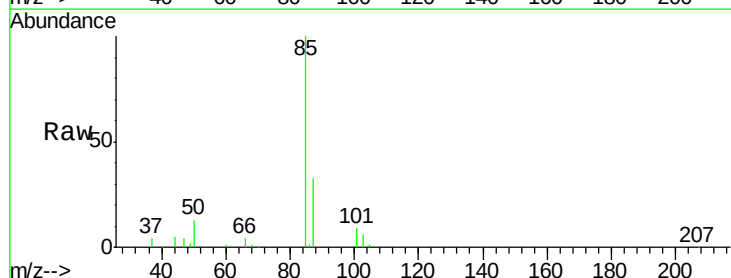
Acq: 24 Jun 2020 23:26

Tgt Ion: 85 Resp: 51247

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

40000

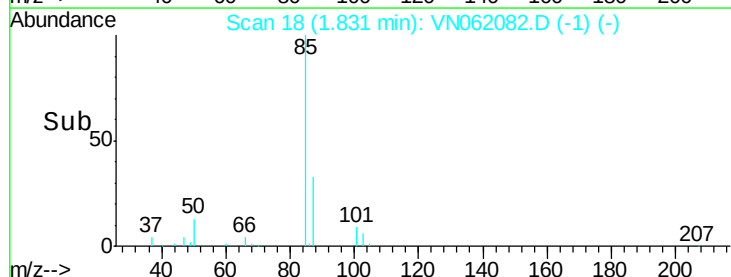
30000

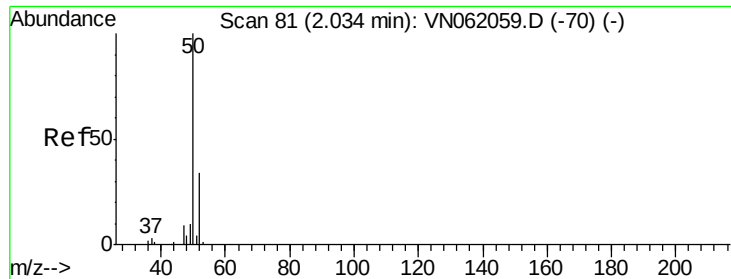
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 19.493 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion: 50 Resp: 66748

Ion Ratio Lower Upper

50 100

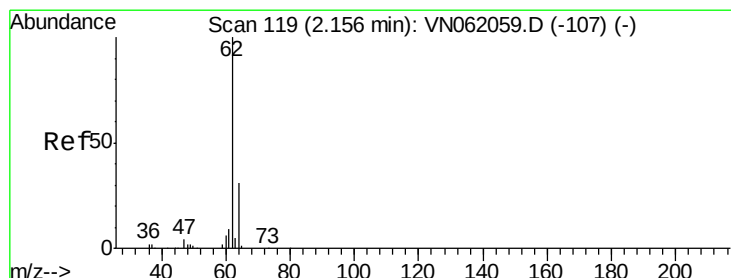
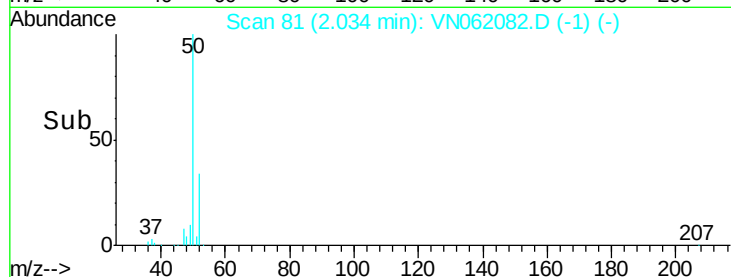
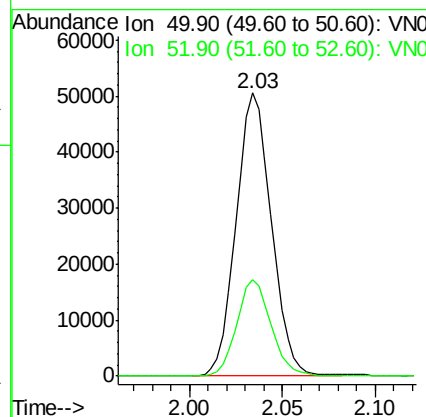
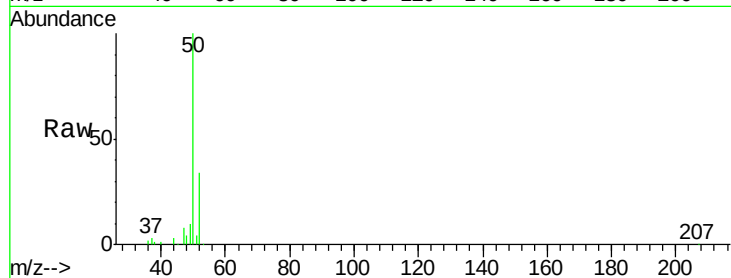
52 34.2 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.630 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062082.D

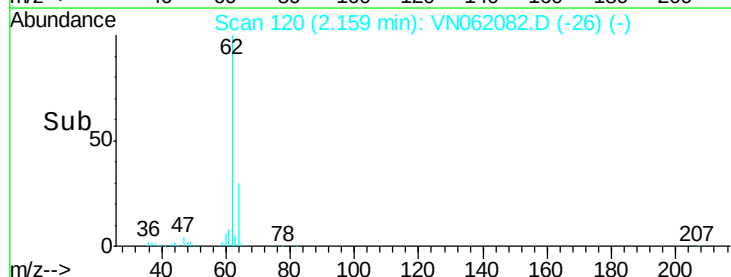
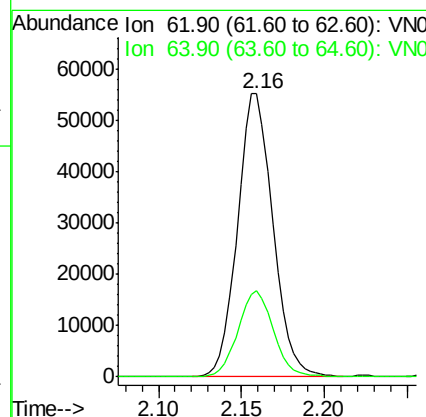
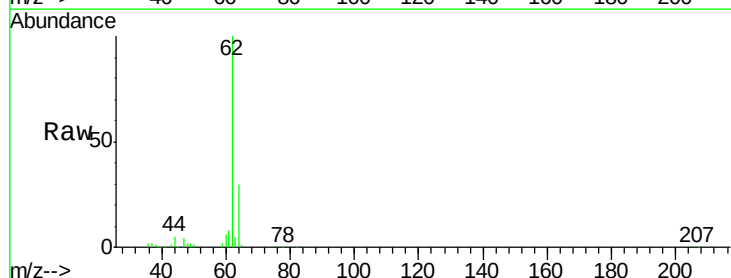
Acq: 24 Jun 2020 23:26

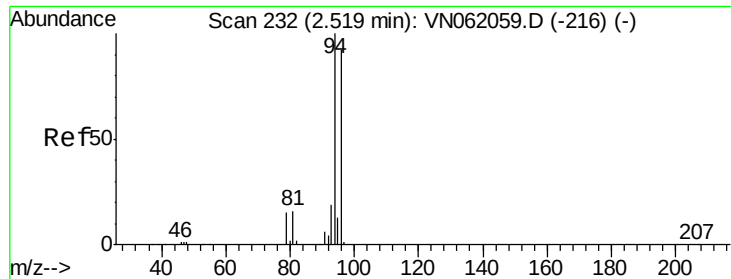
Tgt Ion: 62 Resp: 81902

Ion Ratio Lower Upper

62 100

64 30.3 25.1 37.7





#5

Bromomethane

Concen: 16.455 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampled :

VN0624WBS02

Tot Ion: 94 Resp: 46753

Ion Ratio Lower Upper

94 100

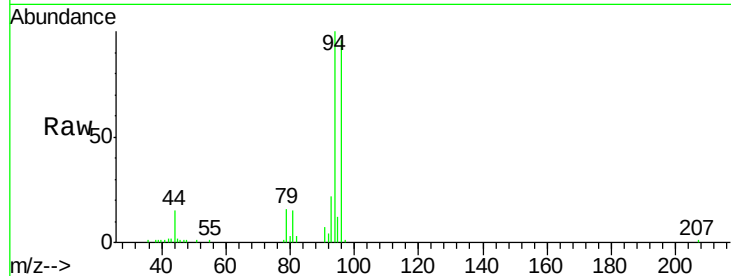
96 95.5 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

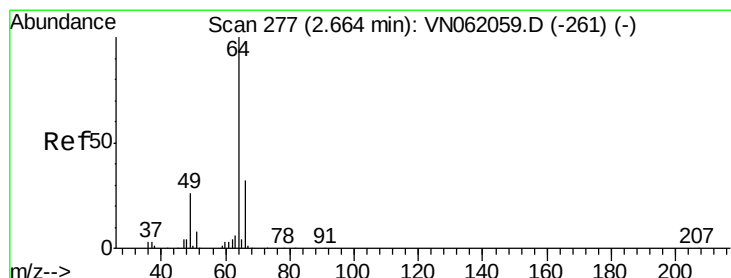
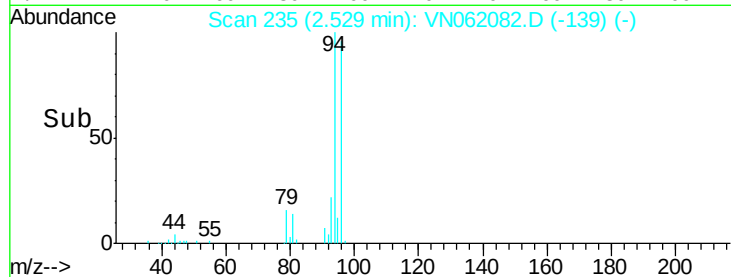
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.53



#6

Chloroethane

Concen: 18.711 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062082.D

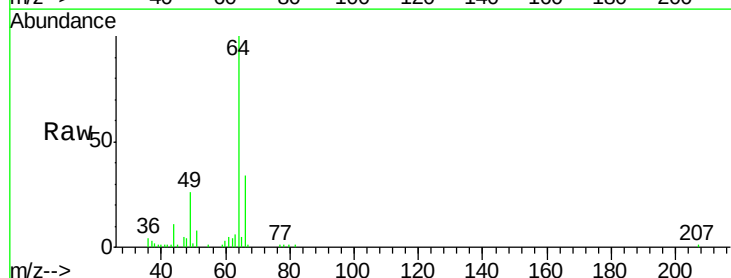
Acq: 24 Jun 2020 23:26

Tgt Ion: 64 Resp: 56193

Ion Ratio Lower Upper

64 100

66 33.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

30000

25000

20000

15000

10000

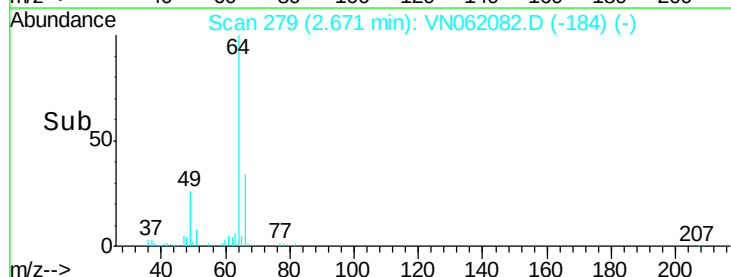
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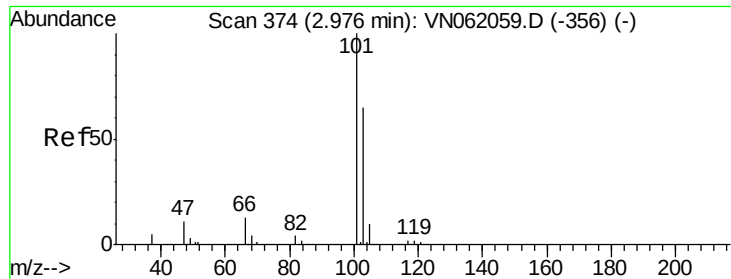
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Time-->

2.60 2.65 2.70 2.75

2.67





#7

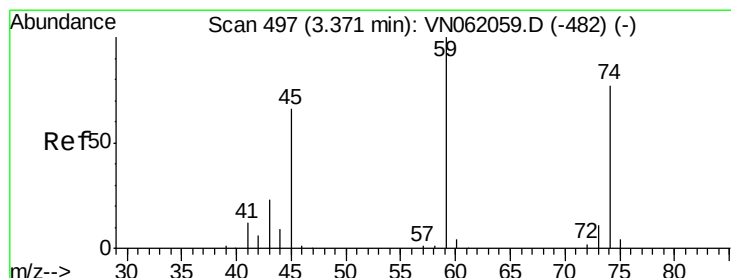
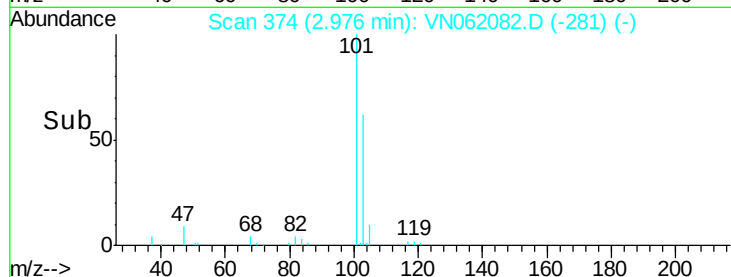
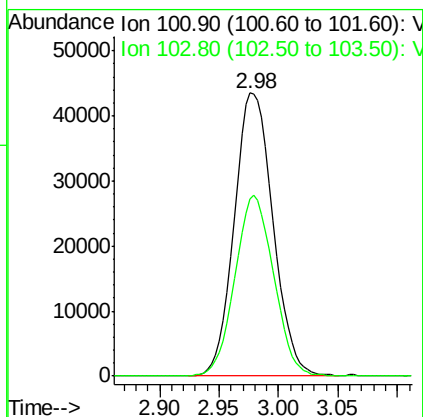
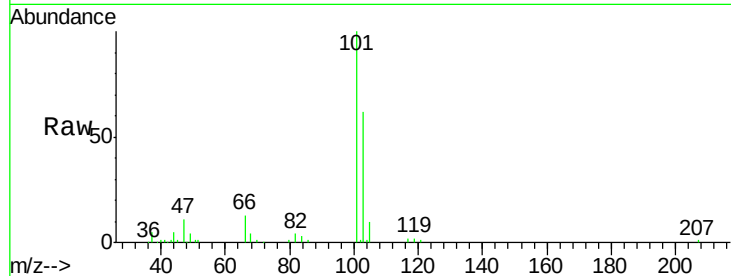
Trichlorofluoromethane
Concen: 18.155 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

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ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.8	77.6

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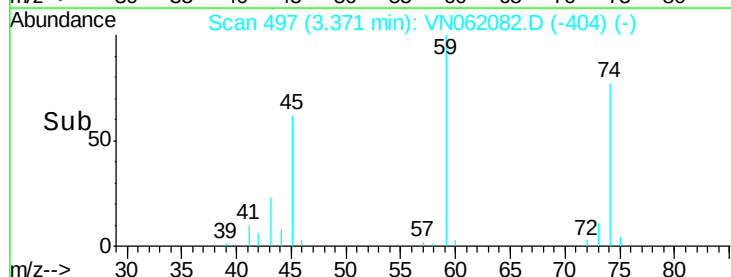
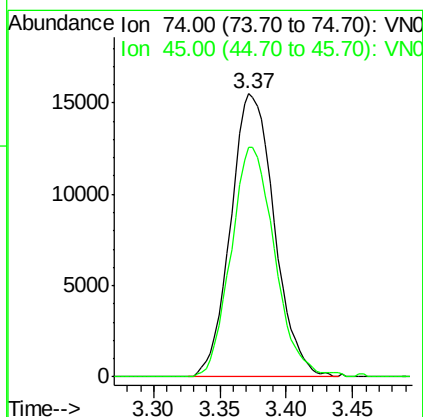
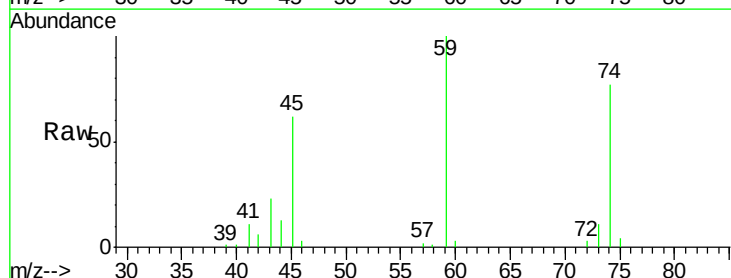
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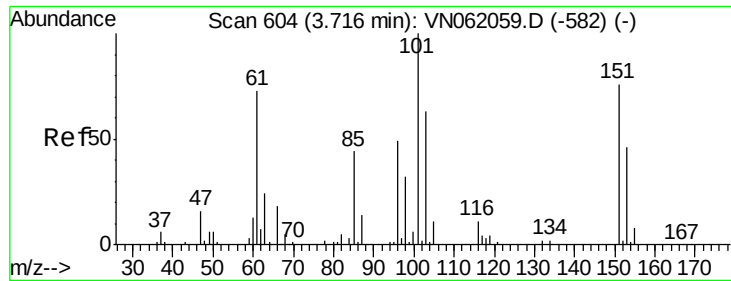


#8

Diethyl Ether
Concen: 18.715 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.7	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.809 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

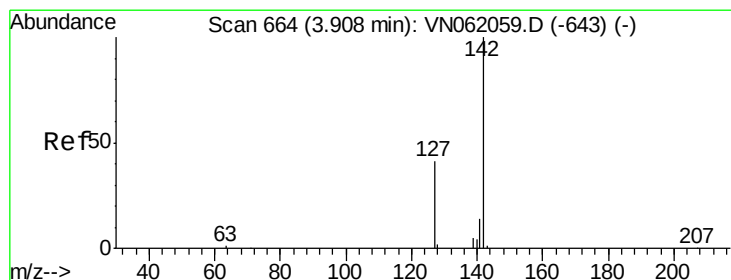
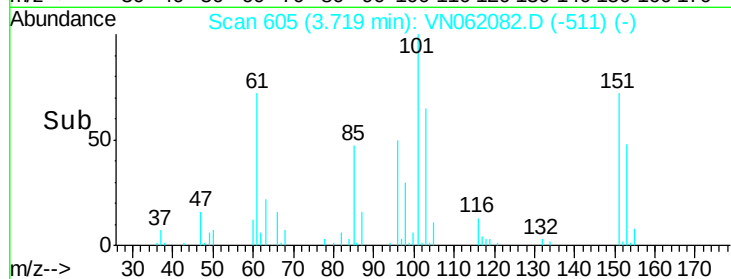
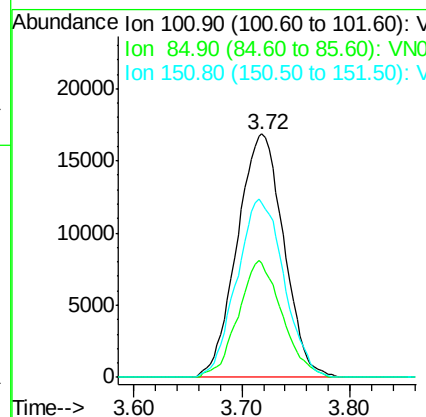
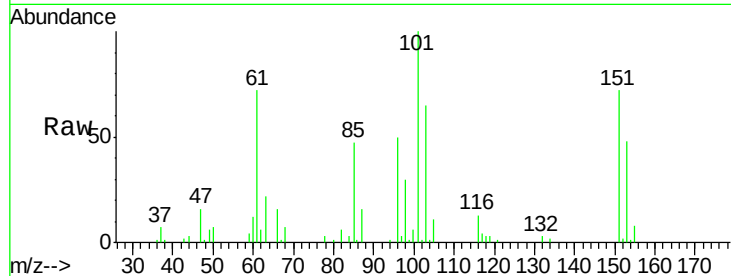
ClientSampleId :

VN0624WBS02

Tot Ion:	101	Resp:	50520
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.5	51.7
151	74.3	57.8	86.8

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#10

Methyl Iodide

Concen: 14.353 ug/l

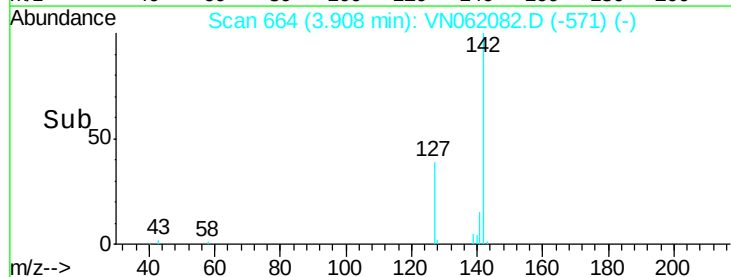
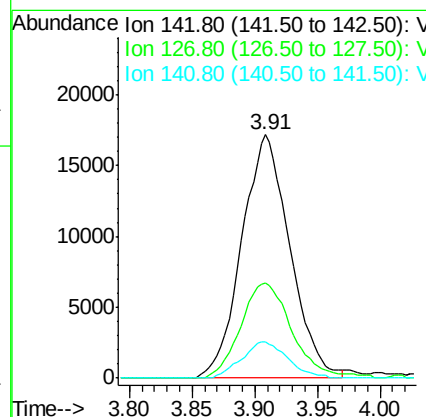
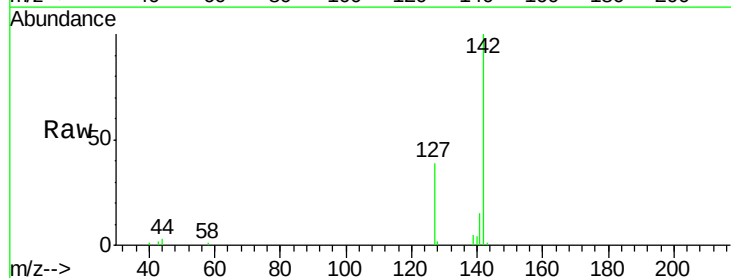
RT: 3.91 min Scan# 664

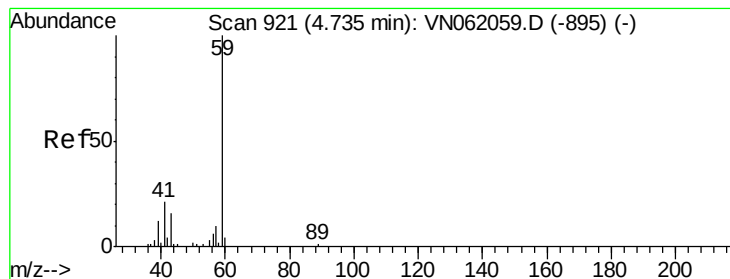
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	142	Resp:	45855
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.6	50.4
141	14.3	11.3	16.9





#11

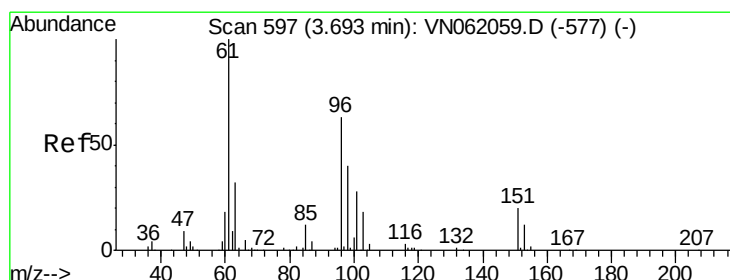
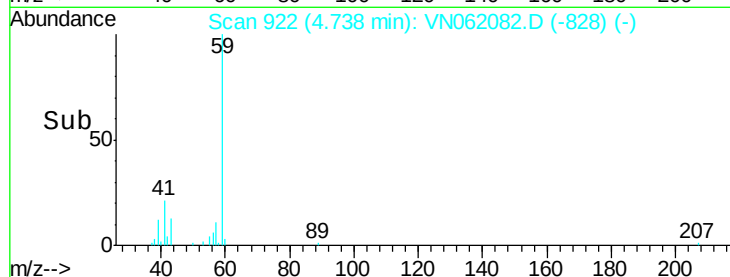
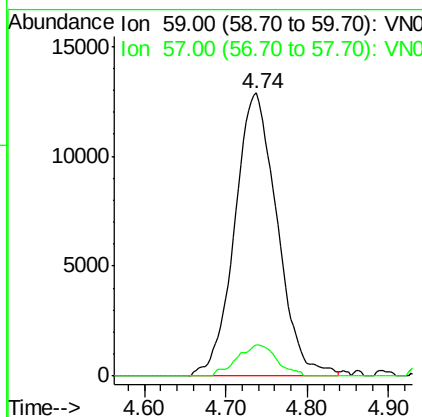
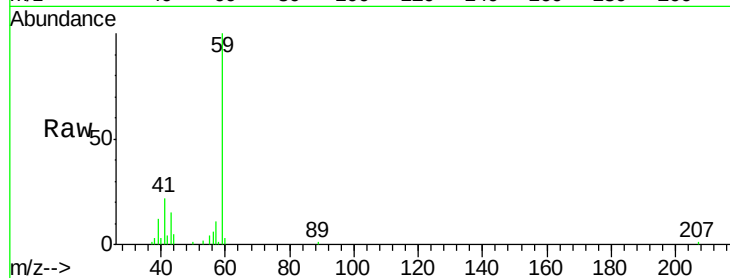
Tert butyl alcohol
 Concen: 93.308 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
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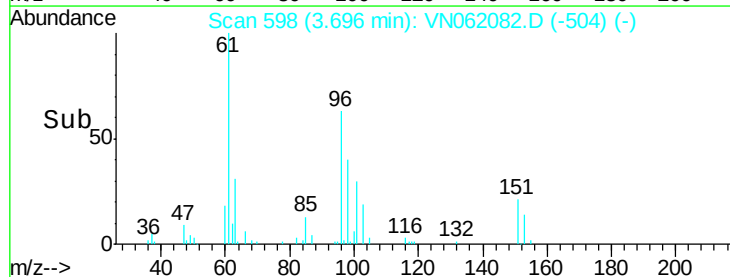
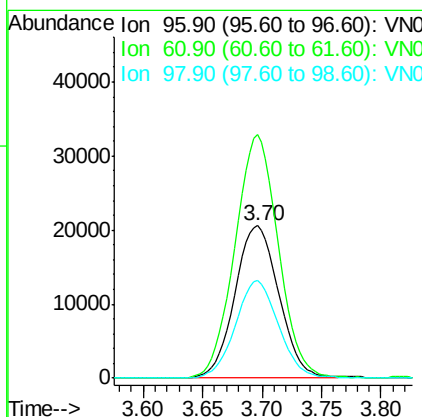
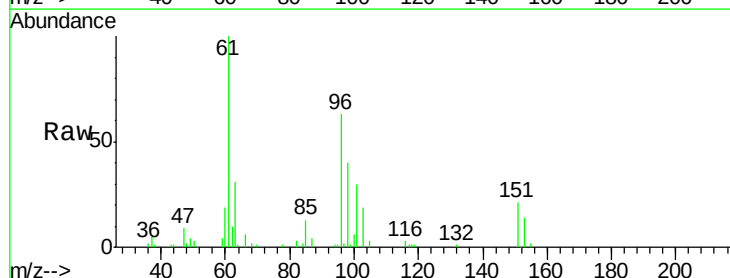
MMDadoda
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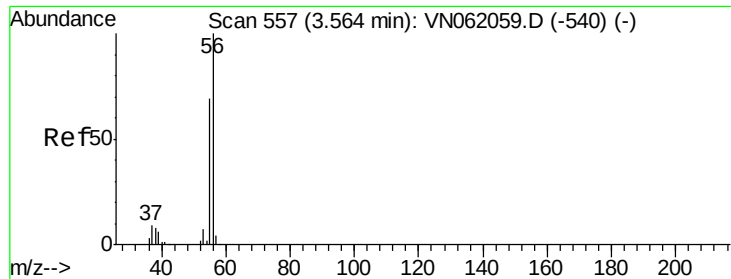


#12

1,1-Dichloroethene
 Concen: 18.602 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	126.7	190.1
98	64.5	51.0	76.4





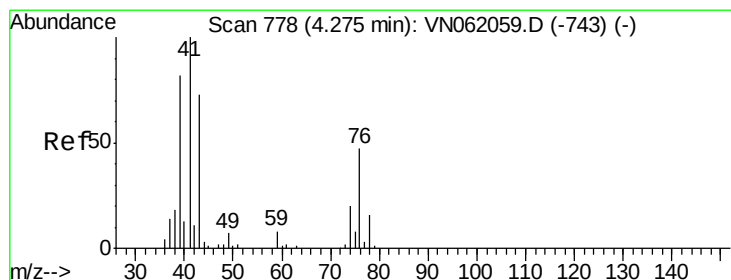
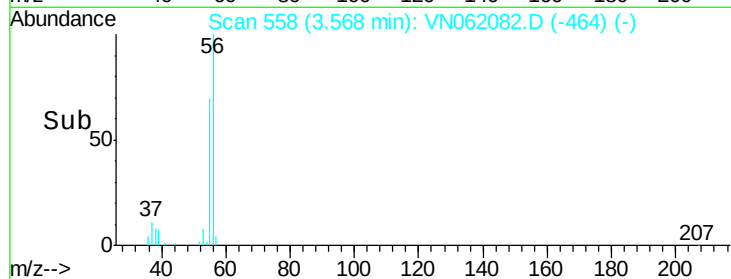
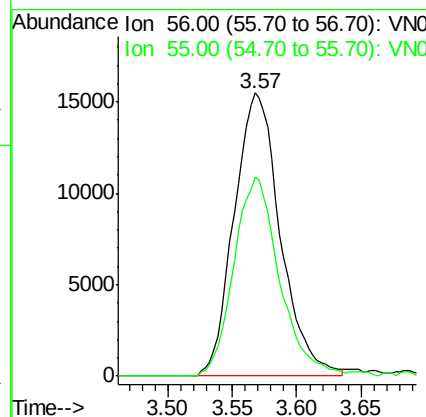
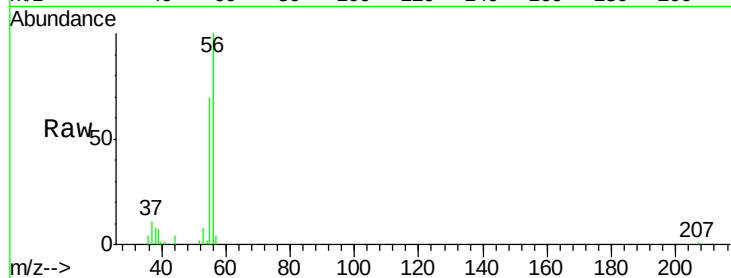
#13
Acrolein
Concen: 79.154 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	55.5	83.3

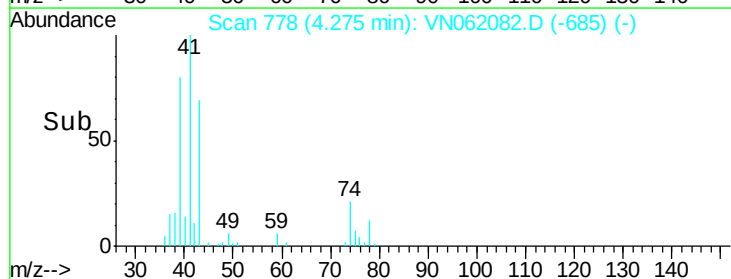
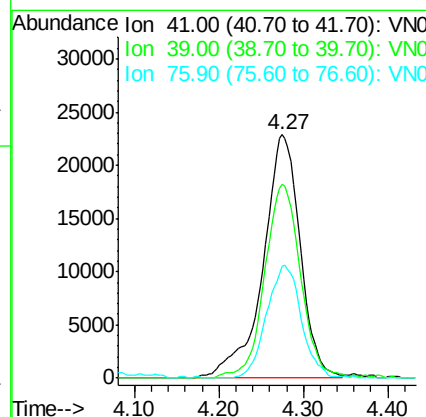
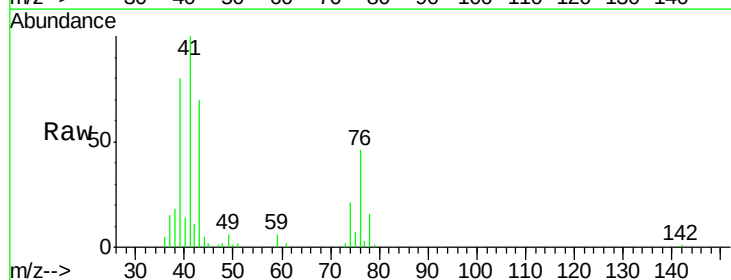
Manual Integrations
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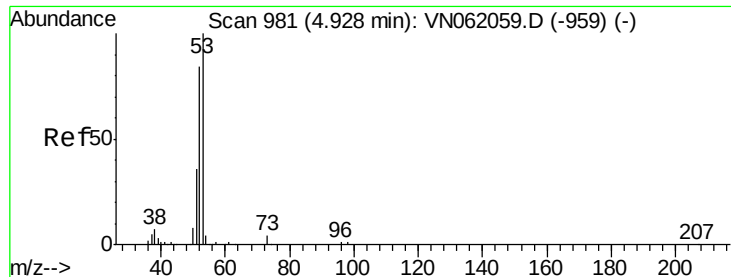
MMDadoda
6/25/2020 6:10:49 PM



#14
Allyl chloride
Concen: 18.158 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.6	60.0	90.0
76	43.0	34.1	51.1





#15

Acrylonitrile

Concen: 92.224 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

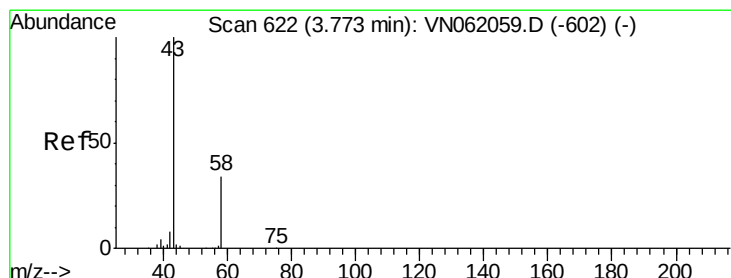
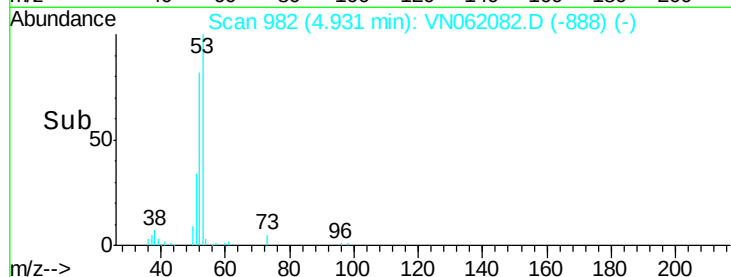
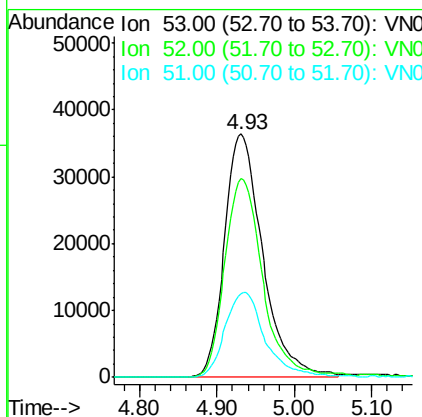
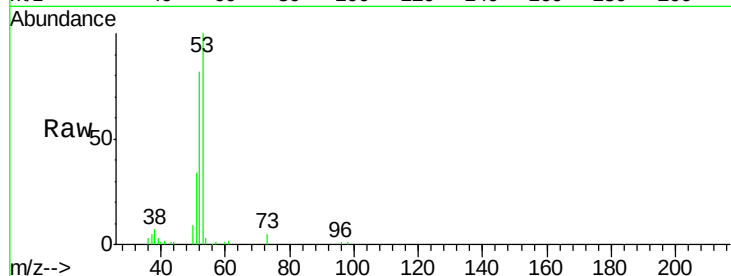
ClientSampleId :

VN0624WBS02

Tot Ion:	53	Resp:	125062
Ion Ratio		Lower	Upper
53	100		
52	80.6	66.2	99.4
51	36.4	28.9	43.3

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#16

Acetone

Concen: 87.534 ug/l

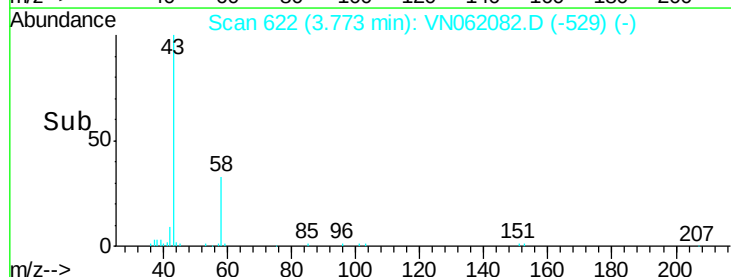
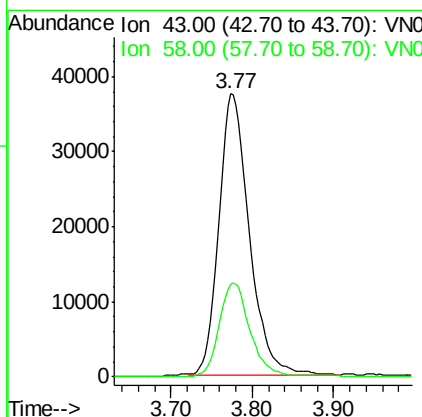
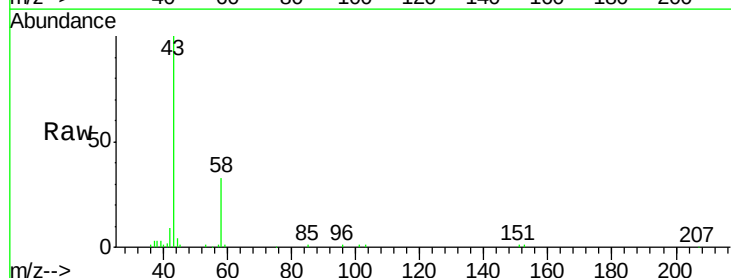
RT: 3.77 min Scan# 622

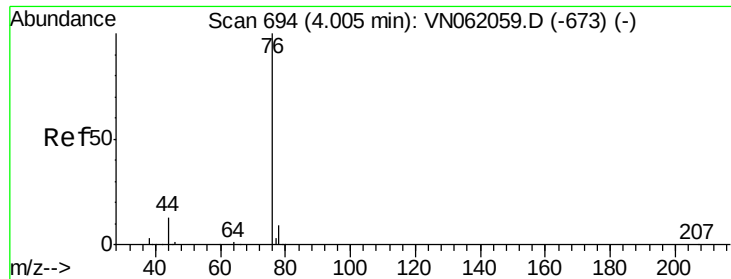
Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	43	Resp:	98093
Ion Ratio		Lower	Upper
43	100		
58	32.8	27.5	41.3





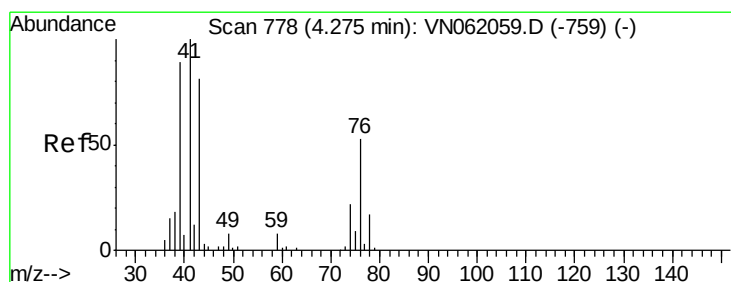
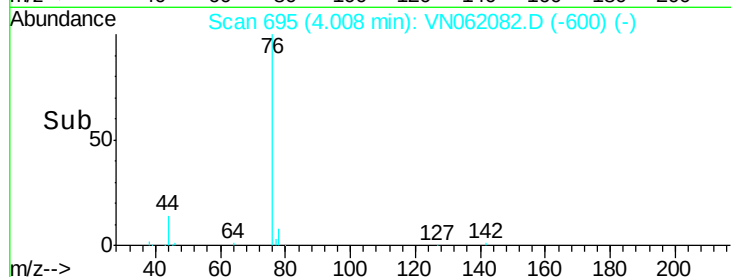
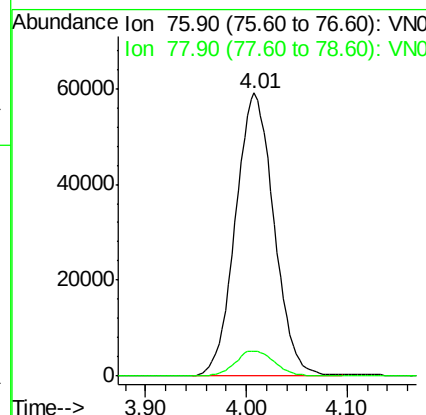
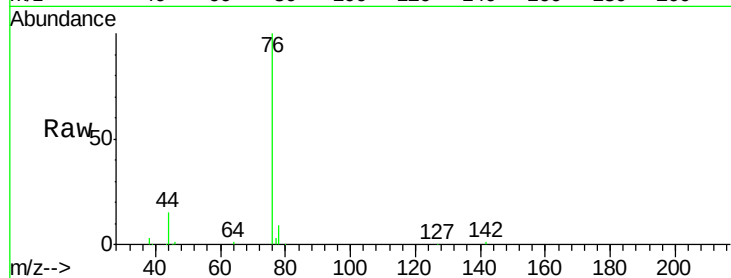
#17
Carbon Disulfide
Concen: 19.255 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

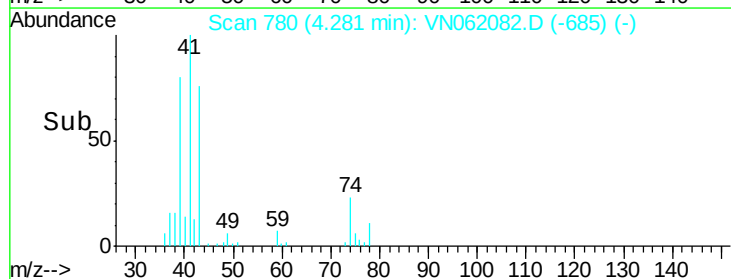
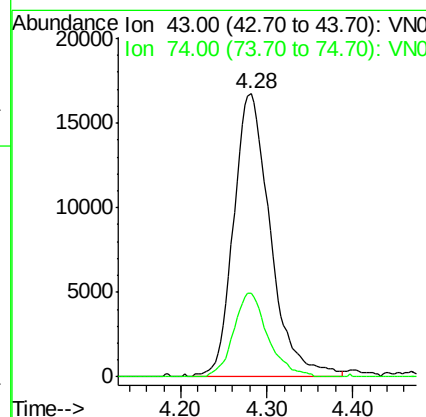
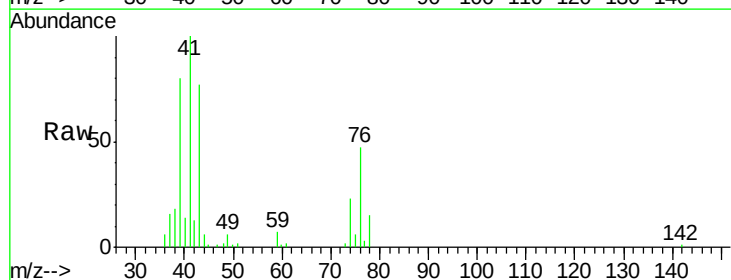
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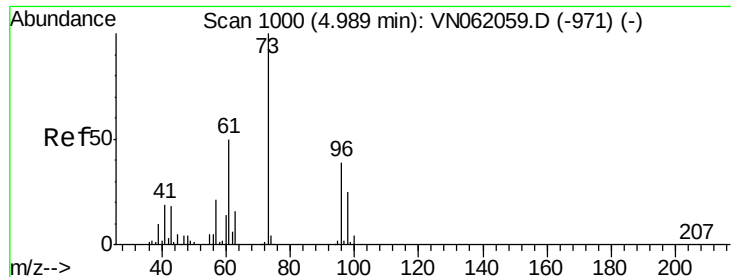
MMDadoda
6/25/2020 6:10:49 PM



#18
Methyl Acetate
Concen: 18.079 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	22.9	34.3





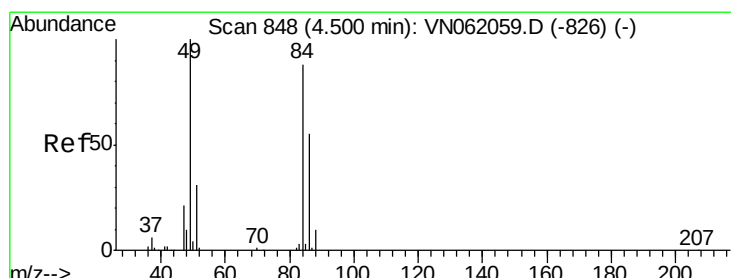
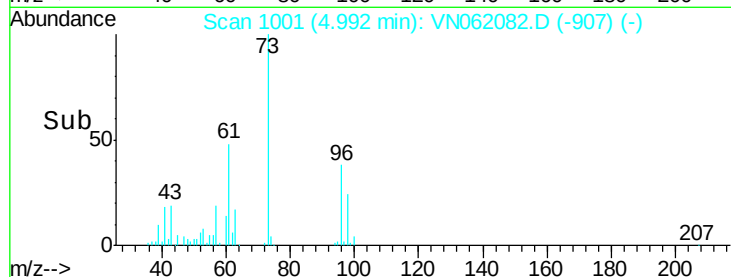
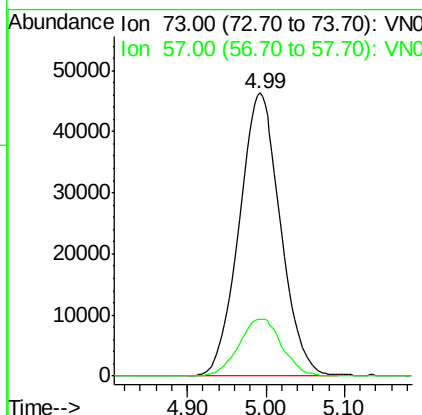
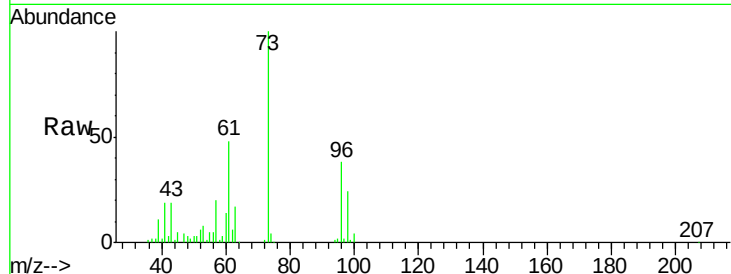
#19
Methyl tert-butyl Ether
Concen: 18.799 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion: 73 Resp: 170354
Ion Ratio Lower Upper
73 100
57 20.2 16.6 24.8

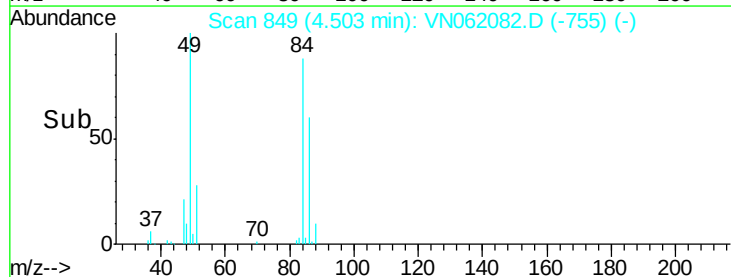
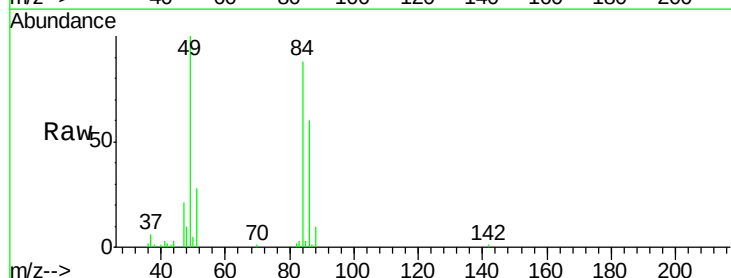
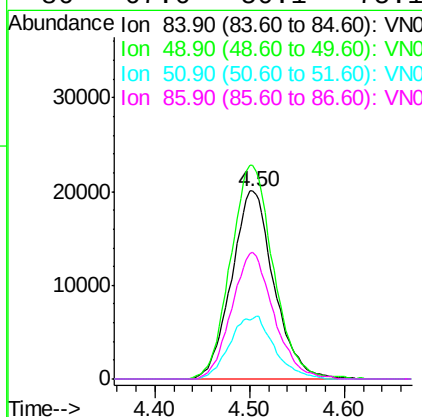
Manual Integrations
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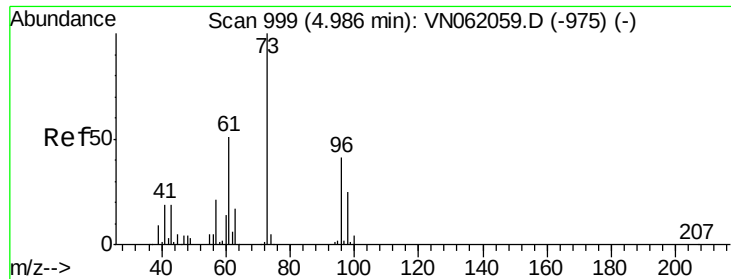
MMDadoda
6/25/2020 6:10:49 PM



#20
Methylene Chloride
Concen: 19.508 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion: 84 Resp: 62488
Ion Ratio Lower Upper
84 100
49 113.4 90.6 136.0
51 31.9 27.8 41.8
86 67.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.804 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

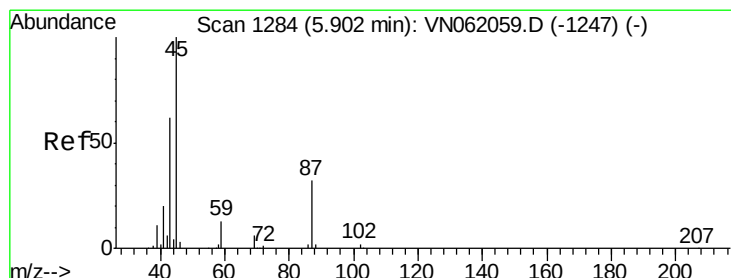
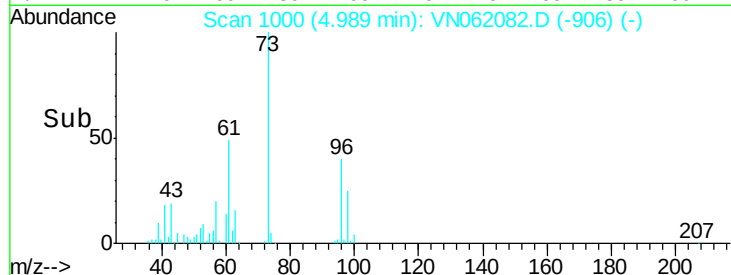
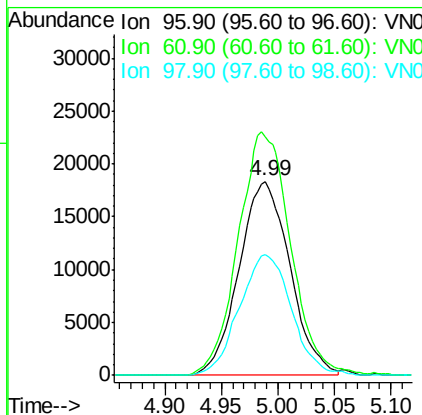
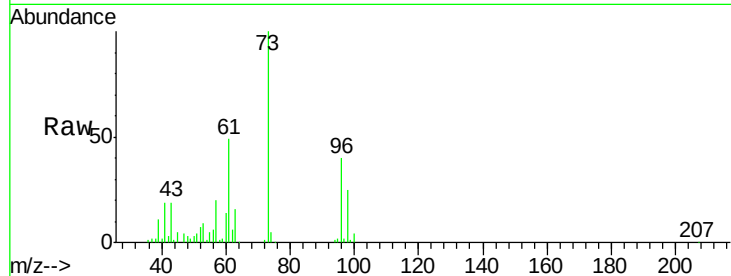
ClientSampleId :

VN0624WBS02

Tot Ion:	96	Resp:	57520
Ion	Ratio	Lower	Upper
96	100		
61	123.3	101.4	152.2
98	62.6	49.3	73.9

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6/25/2020 6:10:49 PM



#22

Diisopropyl ether

Concen: 18.251 ug/l

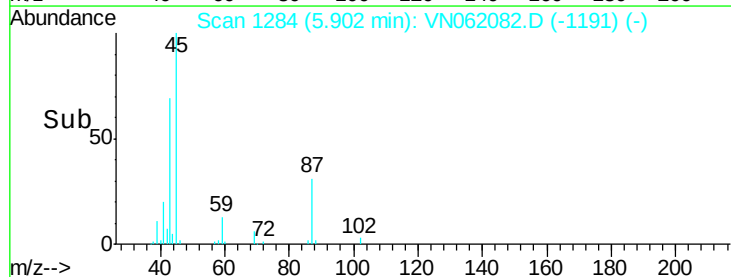
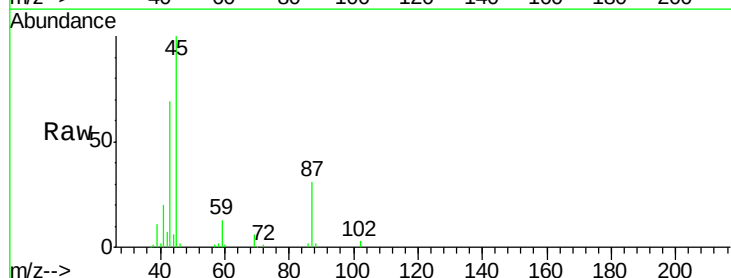
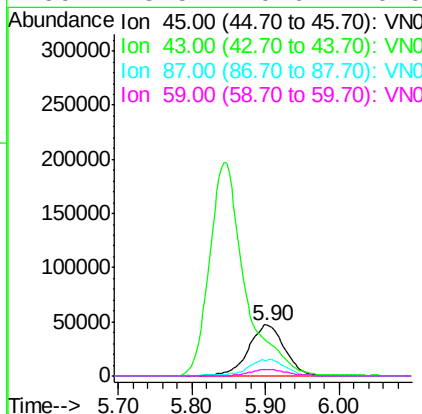
RT: 5.90 min Scan# 1284

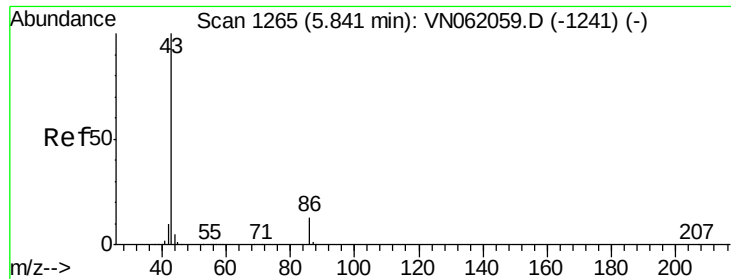
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	45	Resp:	160453
Ion	Ratio	Lower	Upper
45	100		
43	66.2	49.7	74.5
87	31.1	25.9	38.9
59	13.5	10.6	16.0





#23

Vinyl Acetate

Concen: 91.618 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion: 43 Resp: 657594

Ion Ratio Lower Upper

43 100

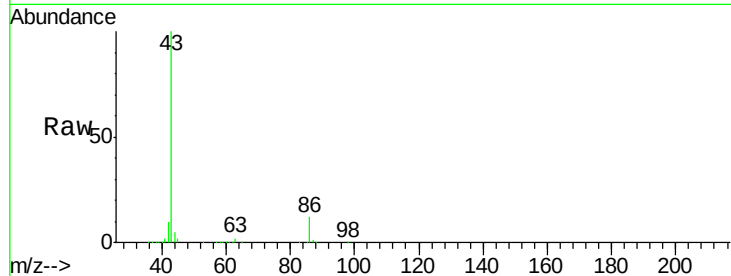
86 12.2 10.1 15.1

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Abundance Ion 43.00 (42.70 to 43.70): VN062059.D

Ion 86.00 (85.70 to 86.70): VN062059.D

5.84

200000

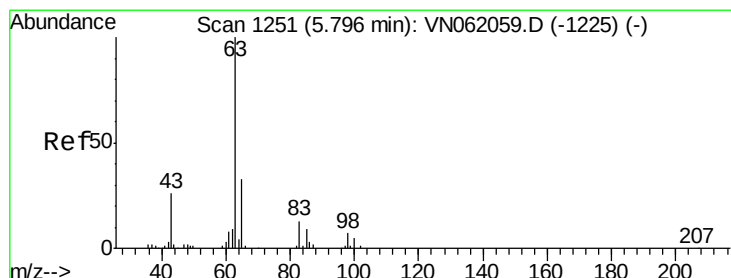
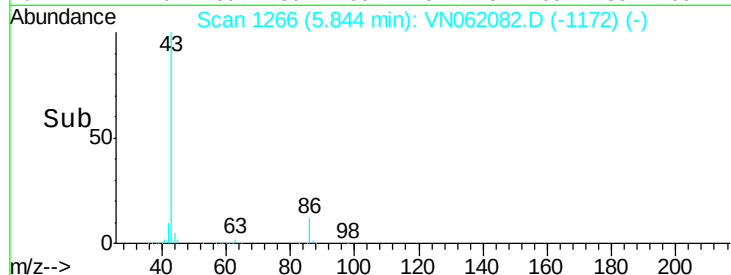
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.268 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

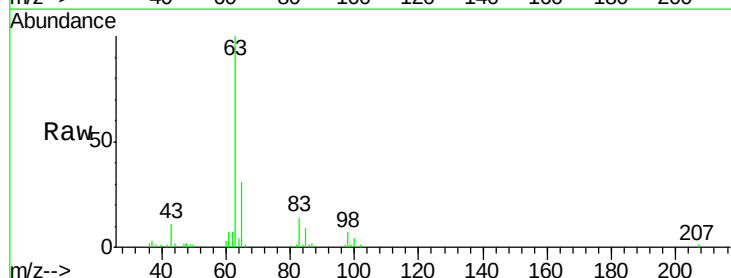
Tgt Ion: 63 Resp: 103414

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062082.D

Ion 97.90 (97.60 to 98.60): VN062082.D

Ion 99.90 (99.60 to 100.60): VN062082.D

5.79

40000

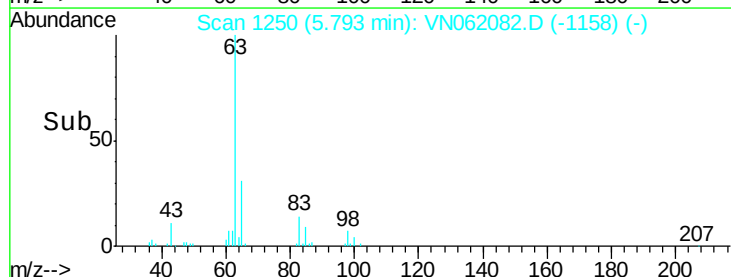
30000

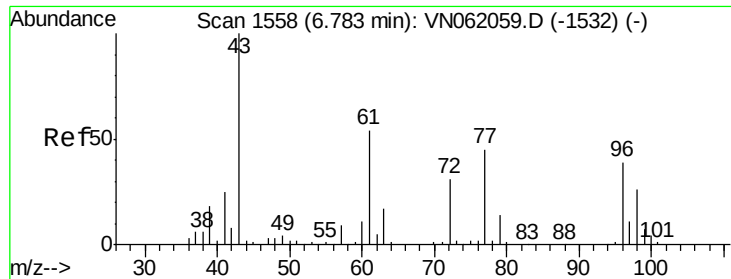
20000

10000

0

Time-->





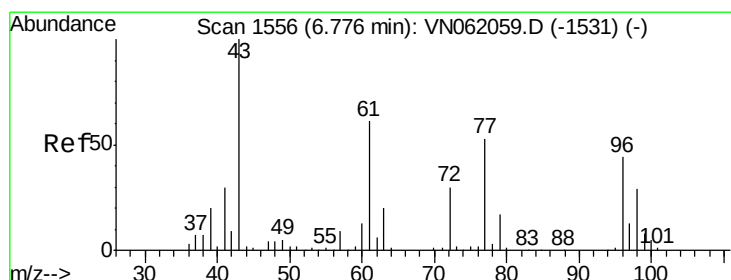
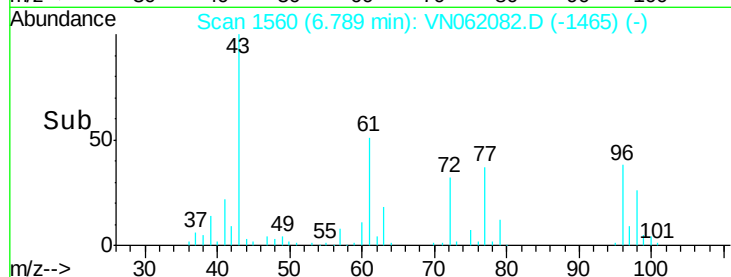
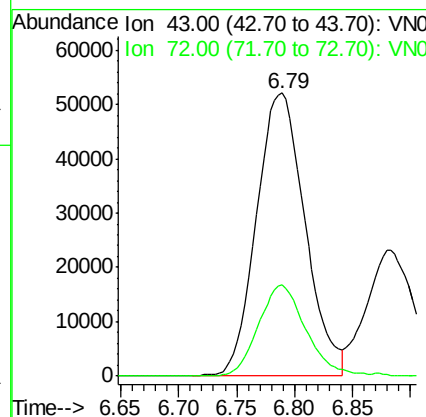
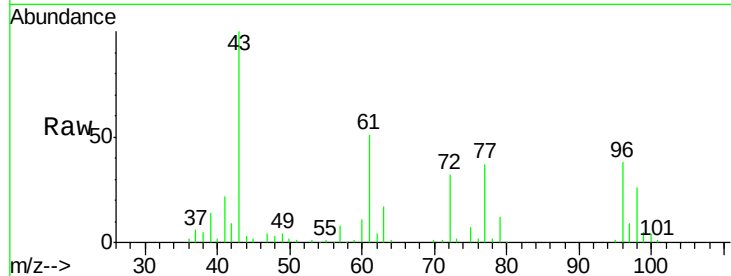
#25
 2-Butanone
 Concen: 89.756 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.01 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0624WBS02

Tot Ion: 43 Resp: 152057
 Ion Ratio Lower Upper
 43 100
 72 32.1 24.8 37.2

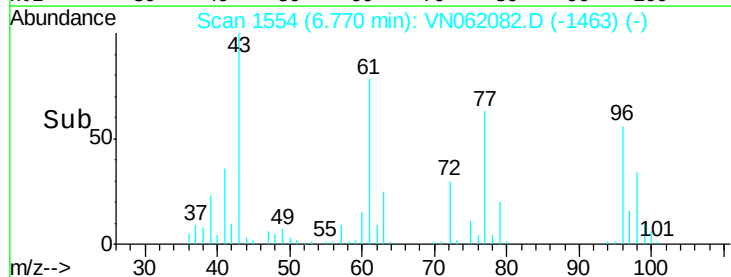
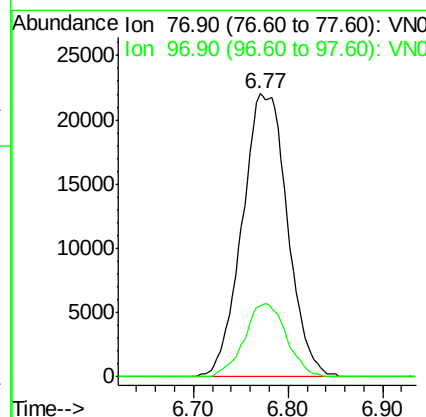
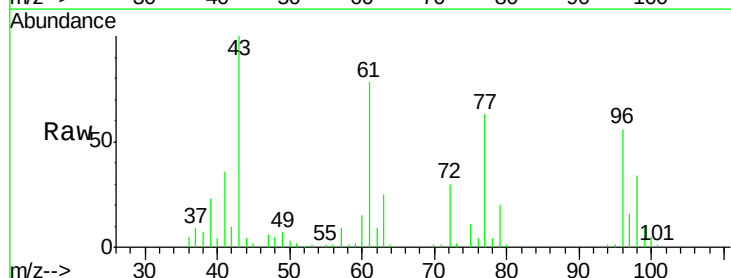
Manual Integrations
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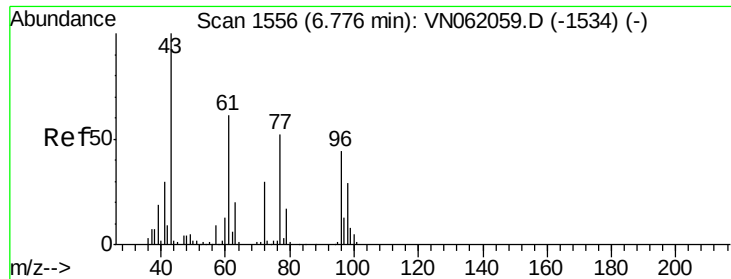
MMDadoda
 6/25/2020 6:10:49 PM



#26
 2,2-Dichloropropane
 Concen: 15.483 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion: 77 Resp: 73041
 Ion Ratio Lower Upper
 77 100
 97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.139 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

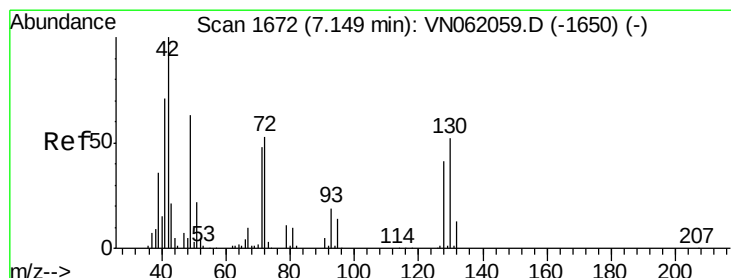
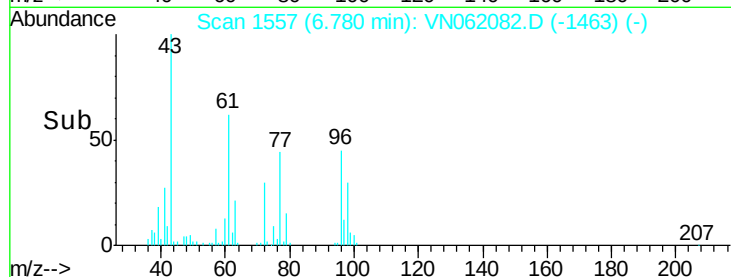
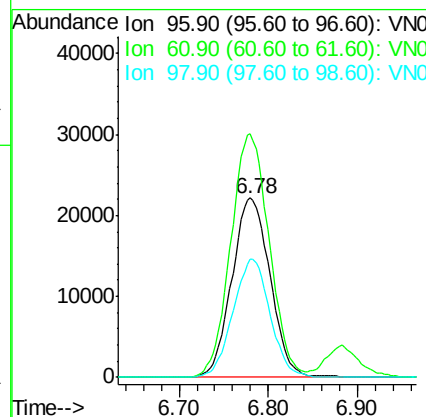
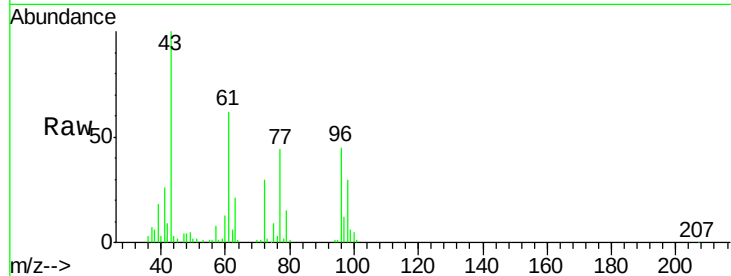
ClientSampleId :

VN0624WBS02

Tot Ion:	96	Resp:	65940
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	280.4
98	63.5	0.0	129.4

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#28

Bromochloromethane

Concen: 17.677 ug/l

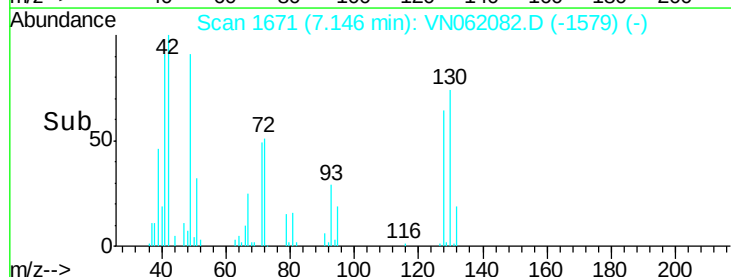
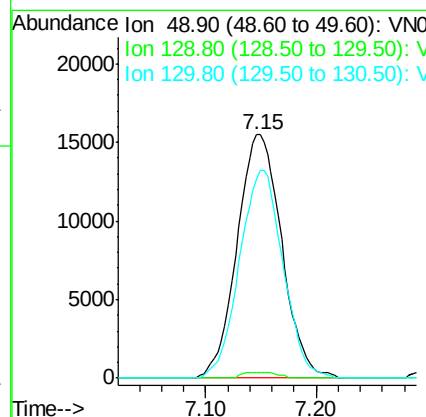
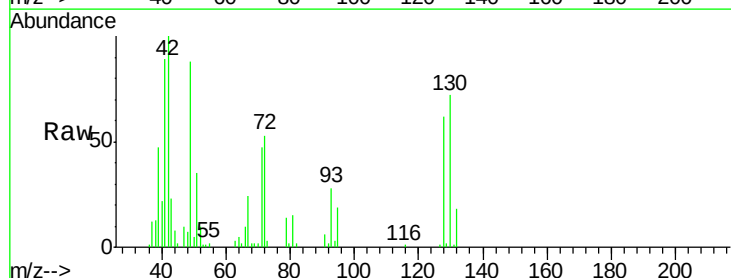
RT: 7.15 min Scan# 1671

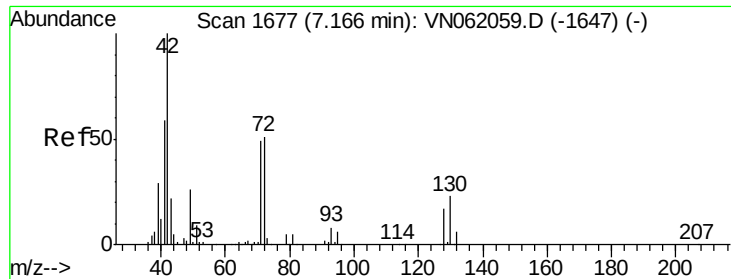
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	49	Resp:	43418
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	83.3	65.5	98.3





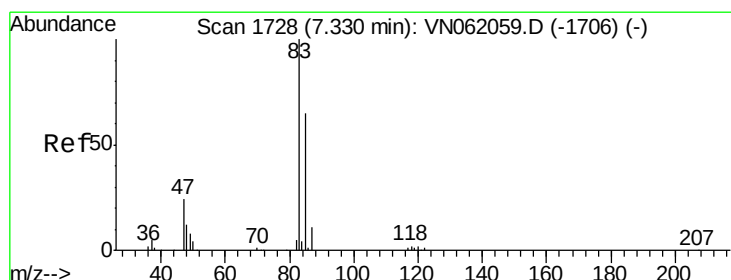
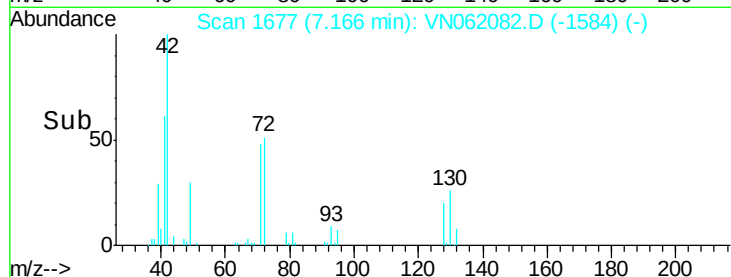
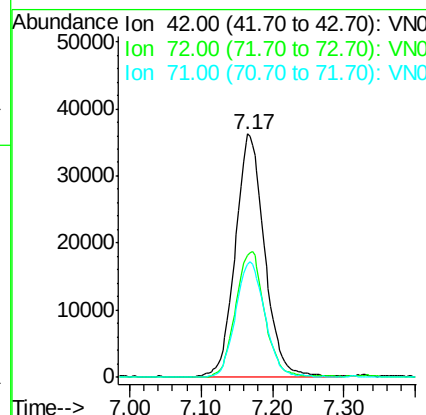
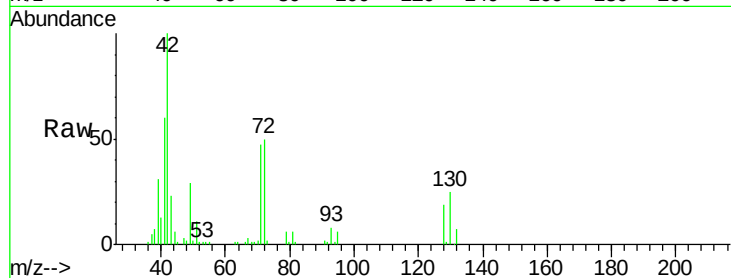
#29
Tetrahydrofuran
Concen: 93.825 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	41.1	61.7
71	47.2	38.2	57.4

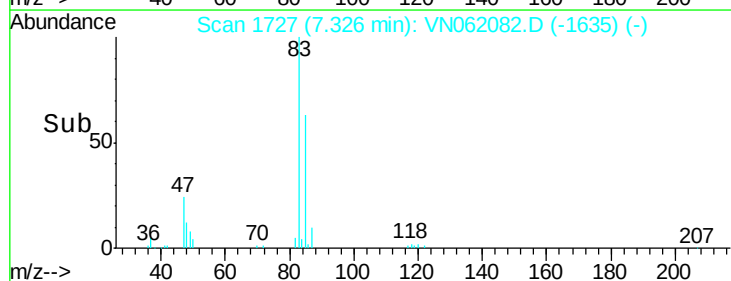
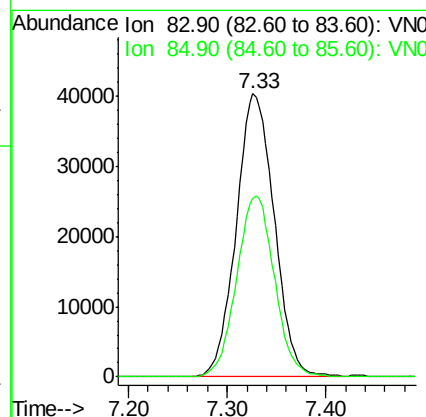
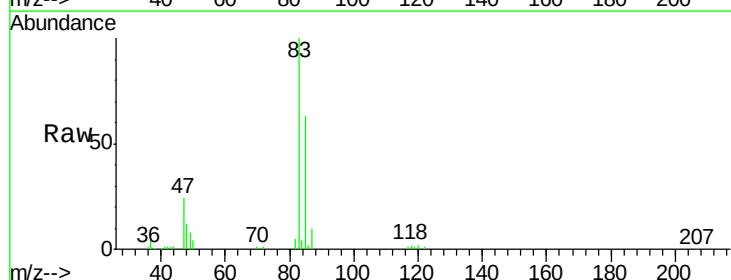
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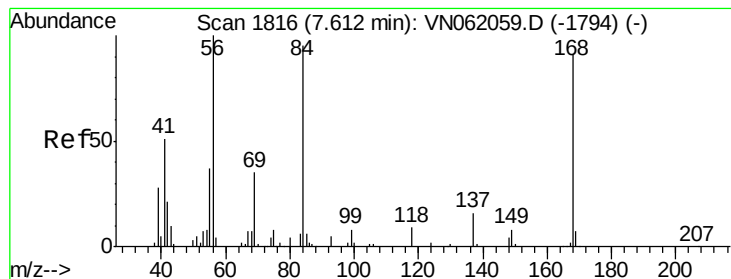
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#30
Chloroform
Concen: 18.741 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.3	78.5





#31

Cyclohexane

Concen: 18.307 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

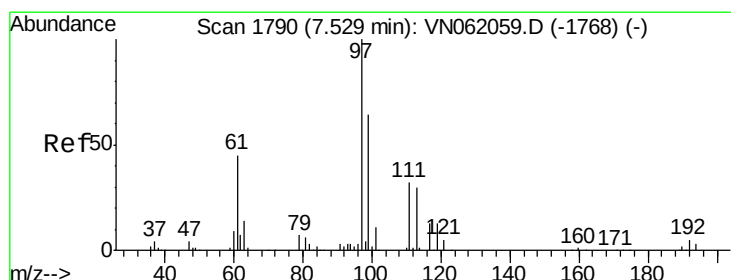
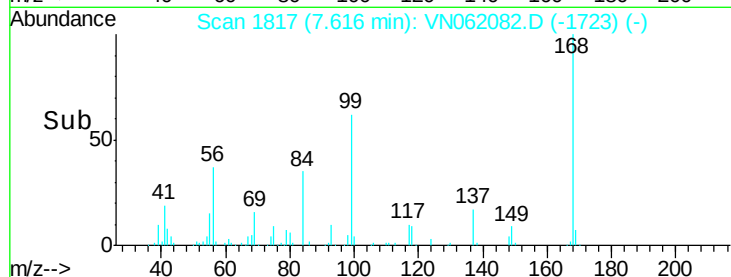
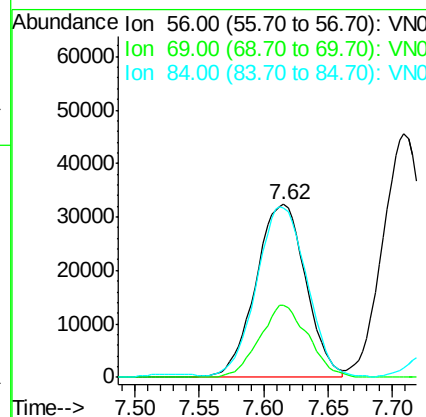
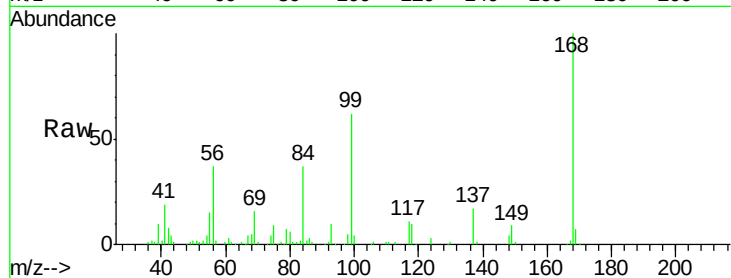
ClientSampleId :

VN0624WBS02

Tot Ion:	56	Resp:	87663
Ion Ratio	Lower	Upper	
56	100		
69	41.7	28.0	42.0
84	96.7	76.1	114.1

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#32

1,1,1-Trichloroethane

Concen: 18.528 ug/l

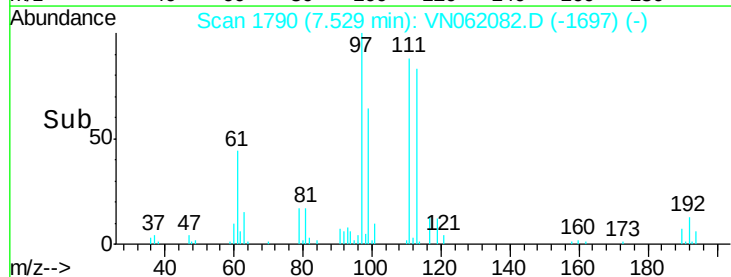
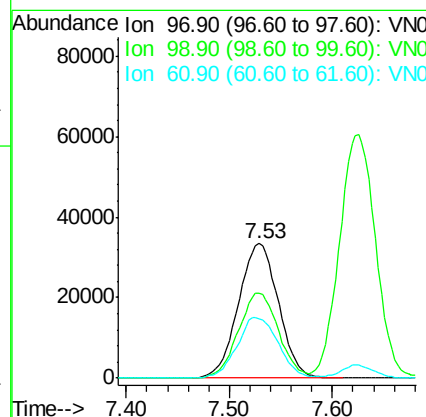
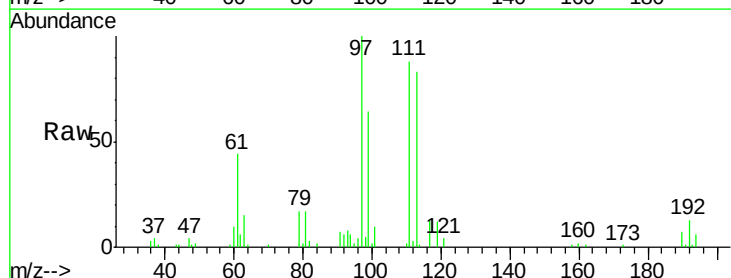
RT: 7.53 min Scan# 1790

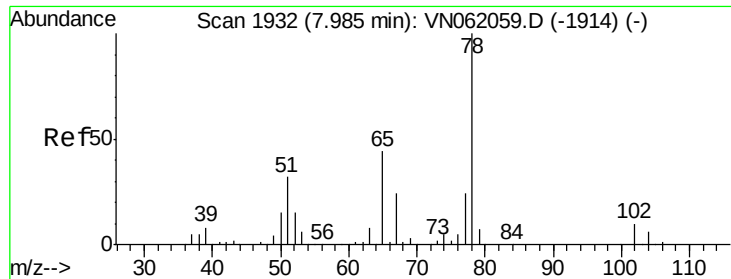
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	97	Resp:	89998
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.0	76.4
61	46.6	36.2	54.2





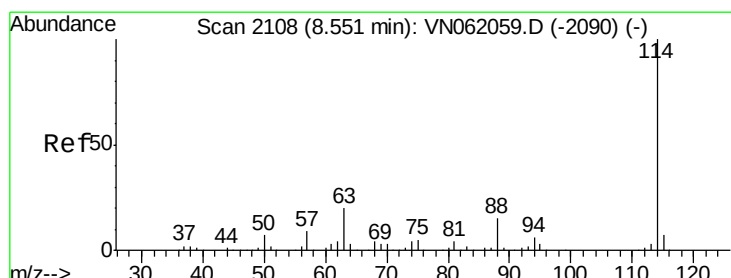
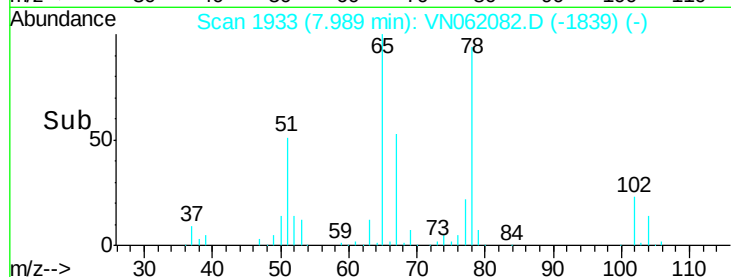
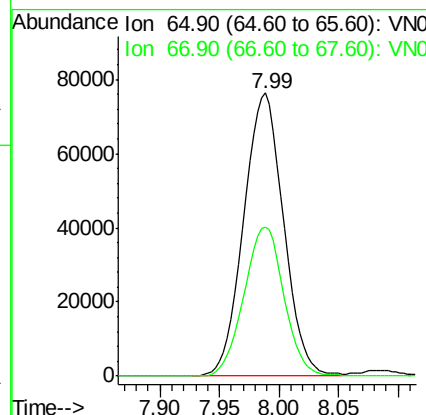
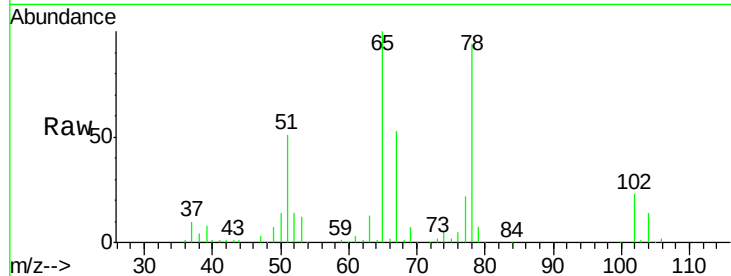
#33
 1,2-Dichloroethane-d4
 Concen: 51.220 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177525		
67	52.8	0.0	106.2	

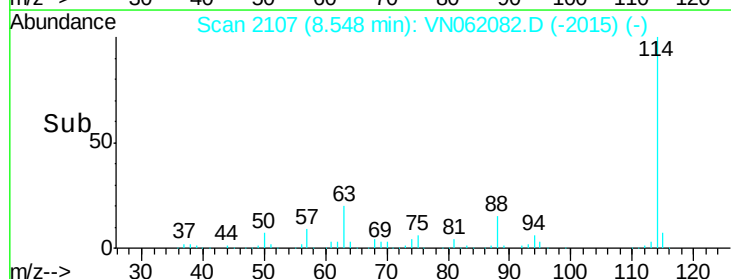
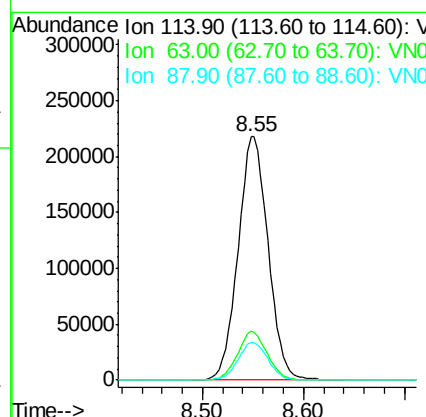
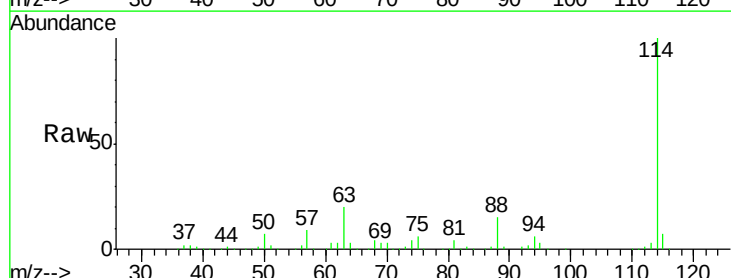
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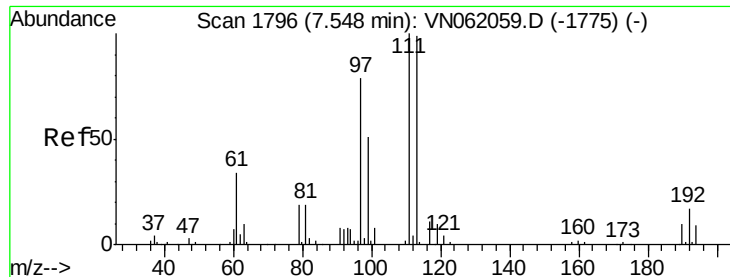
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	449904		
63	20.1	0.0	39.2	
88	15.5	0.0	30.8	





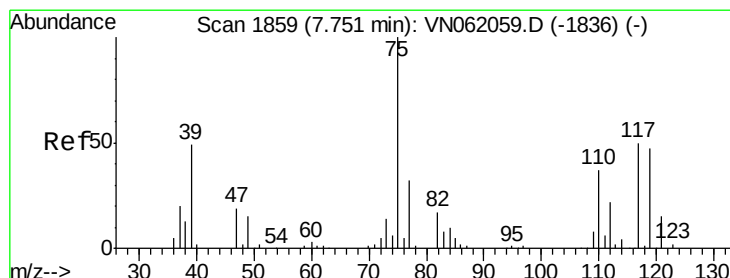
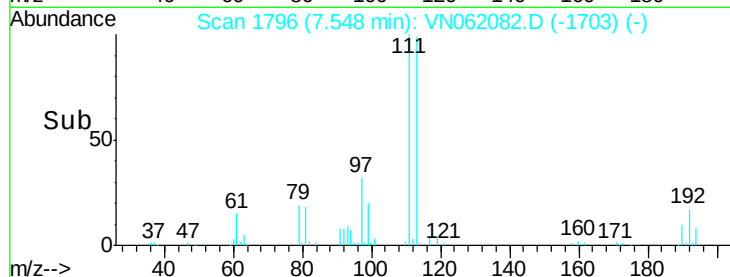
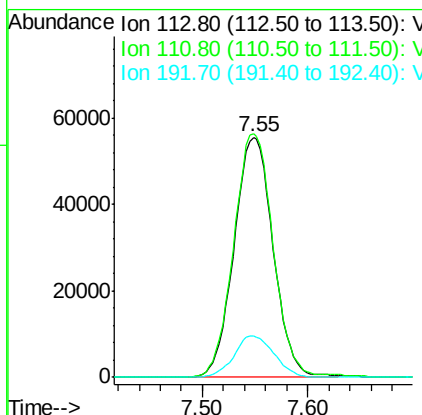
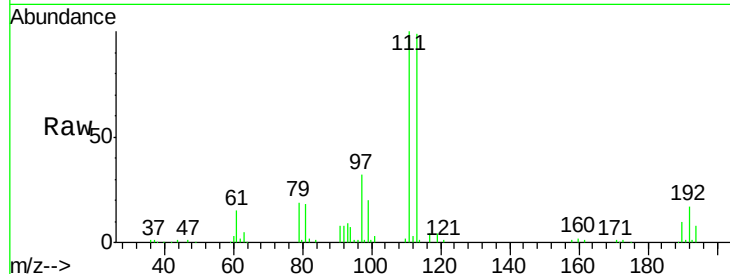
#35
 Dibromofluoromethane
 Concen: 49.518 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142927		
111	102.0	82.2	123.4	
192	17.6	14.0	21.0	

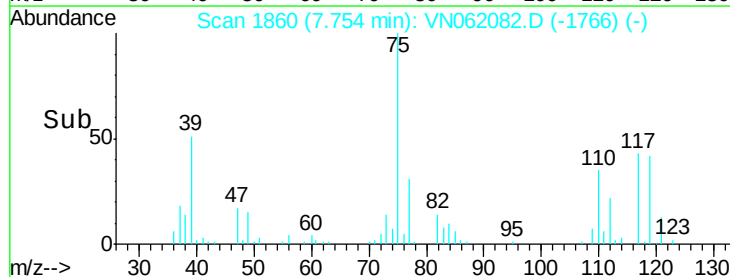
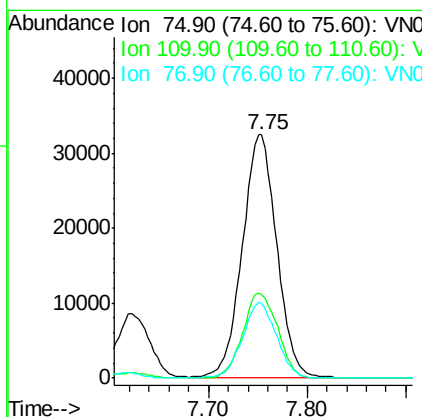
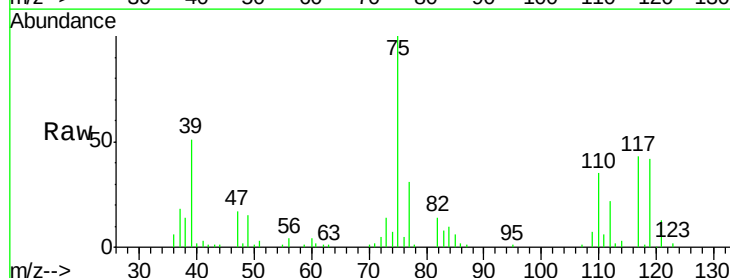
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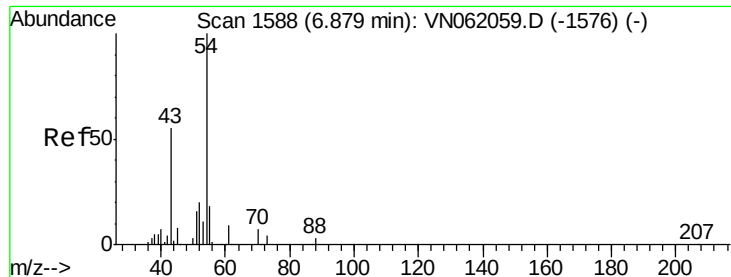
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#36
 1,1-Dichloropropene
 Concen: 17.399 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78681		
110	35.1	17.9	53.8	
77	30.4	24.9	37.3	





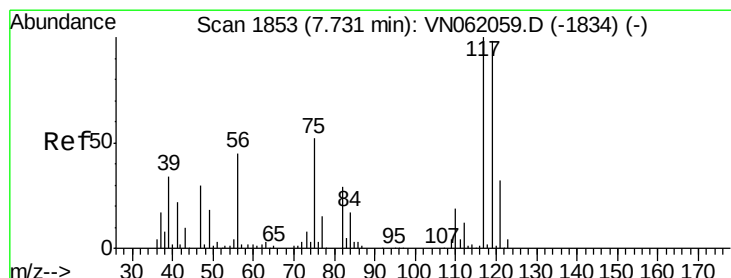
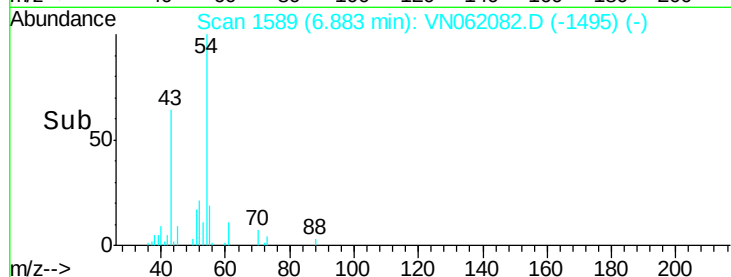
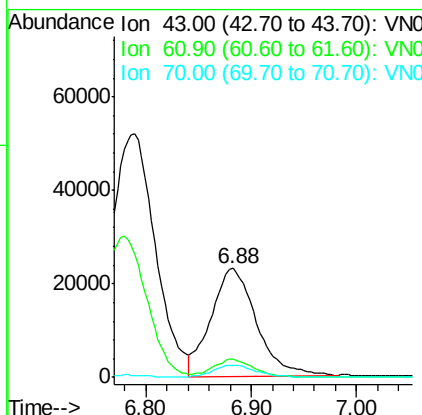
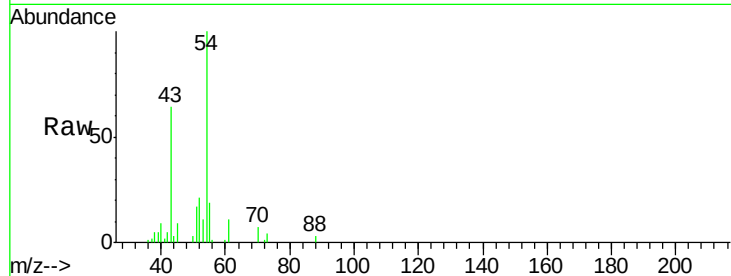
#37
Ethyl Acetate
Concen: 18.346 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.0	18.0
70	11.0	9.6	14.4

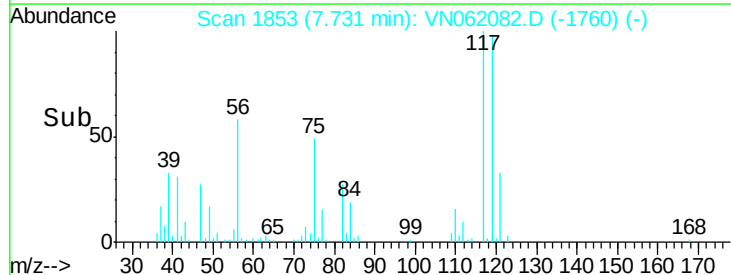
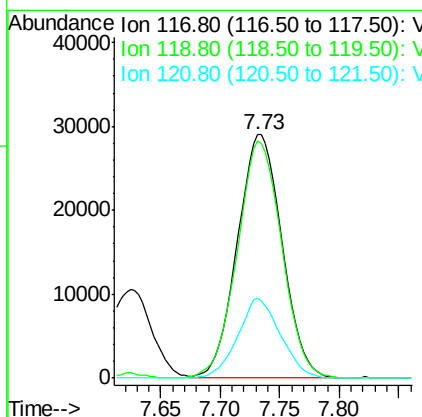
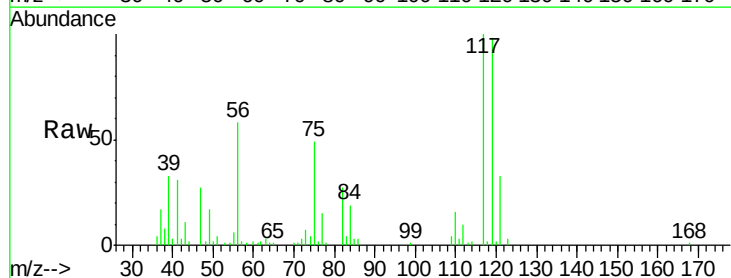
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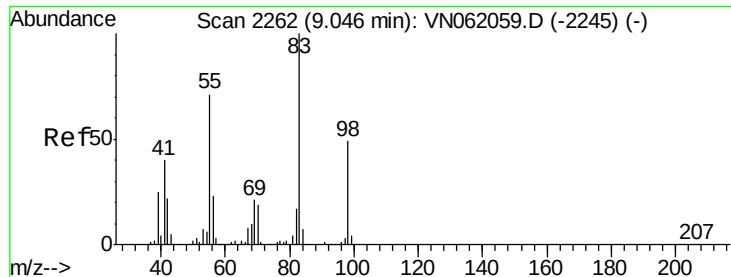
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#38
Carbon Tetrachloride
Concen: 17.713 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.2	117.2
121	32.6	25.8	38.6





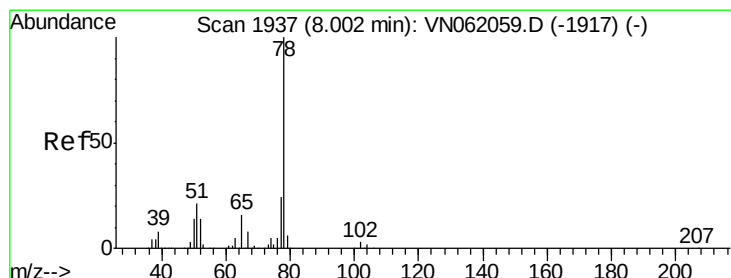
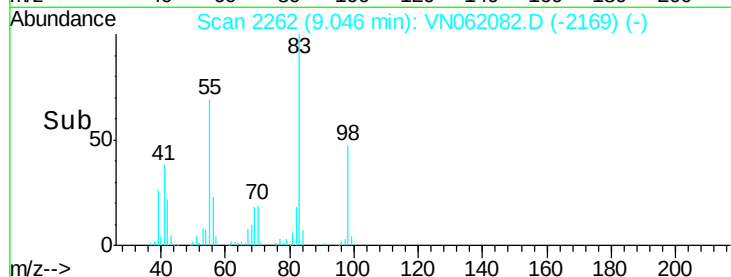
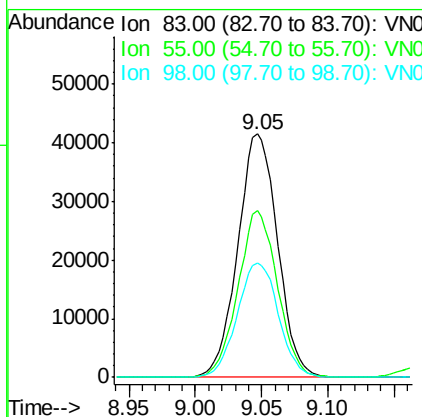
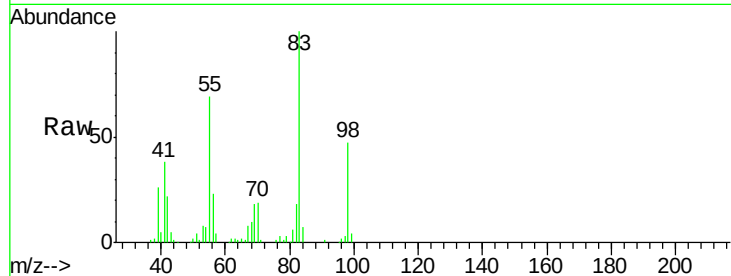
#39
Methylvlcyclohexane
Concen: 17.448 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	57.0	85.6
98	46.9	39.0	58.6

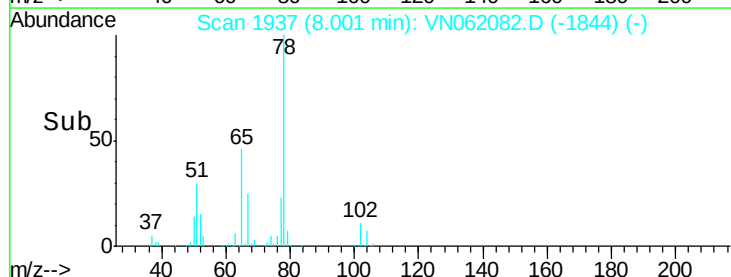
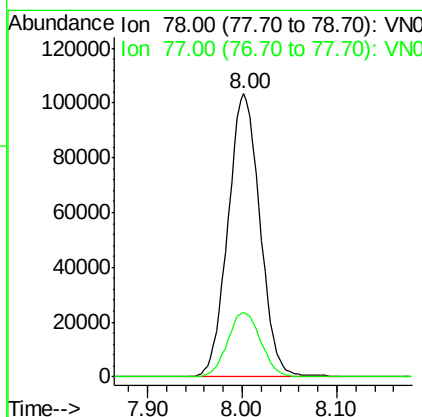
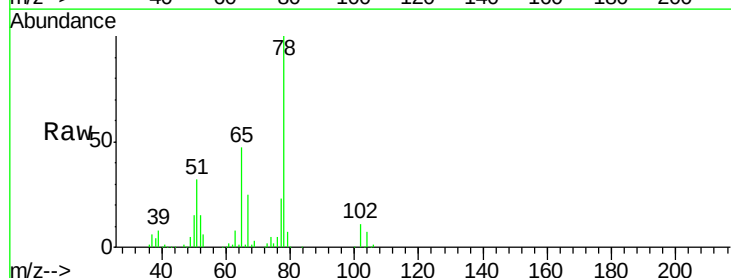
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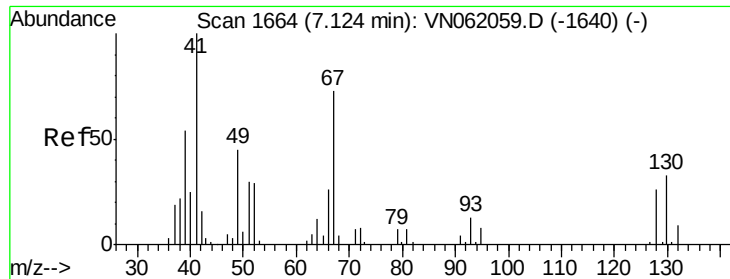
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#40
Benzene
Concen: 17.612 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.5	29.3





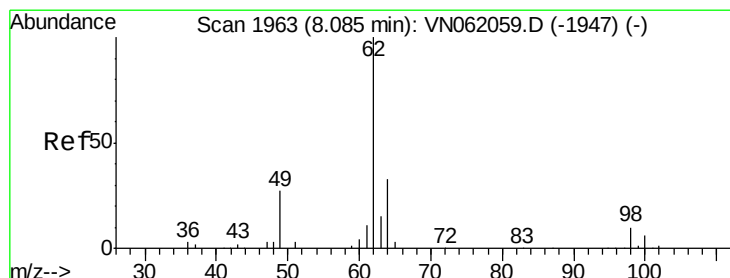
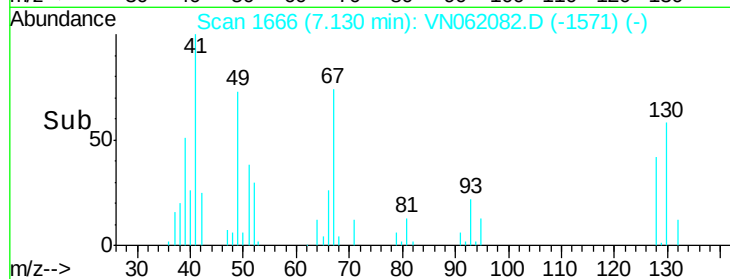
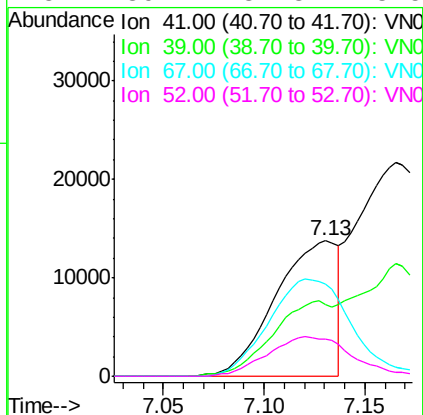
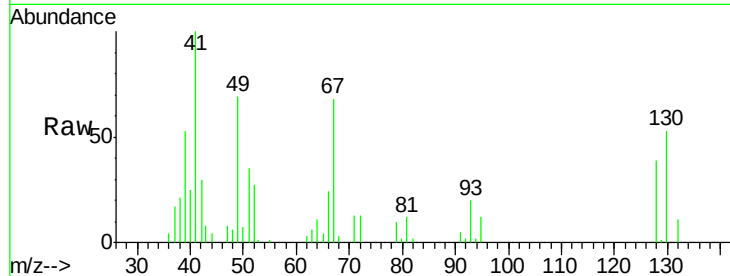
#41
Methacrylonitrile
Concen: 16.973 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion:	41	Resp:	29465
Ion	Ratio	Lower	Upper
41	100		
39	51.9	44.2	66.2
67	96.2	79.5	119.3
52	39.7	32.3	48.5

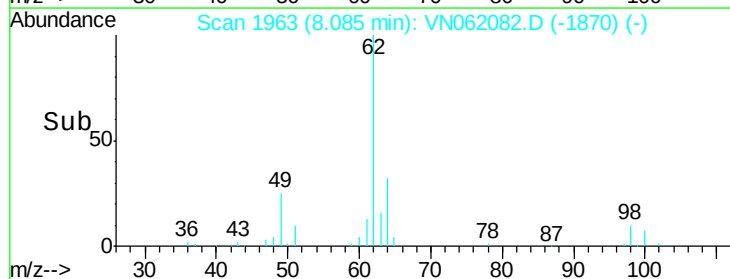
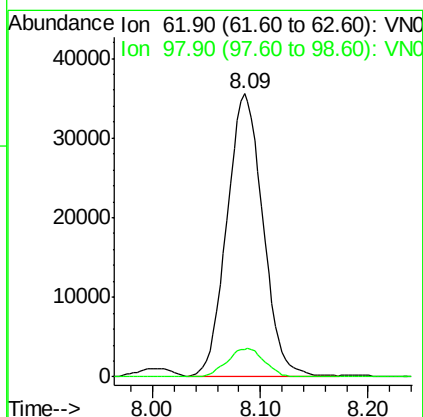
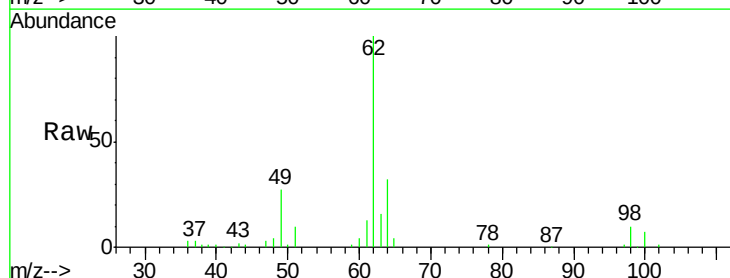
Manual Integrations
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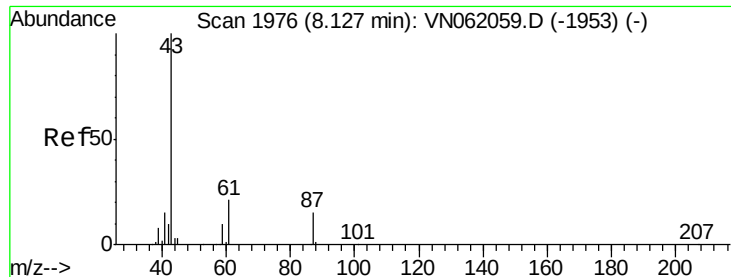
MMDadoda
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#42
1,2-Dichloroethane
Concen: 17.855 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion:	62	Resp:	83150
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.8





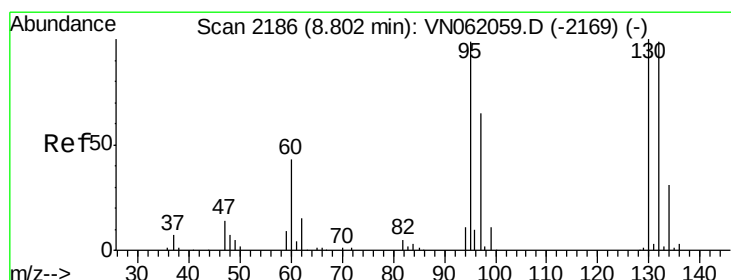
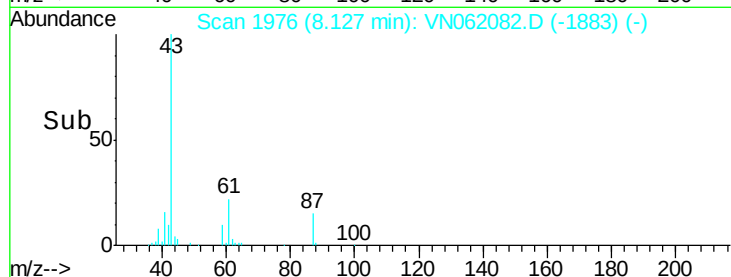
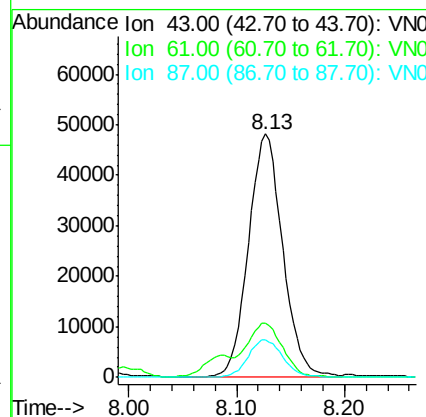
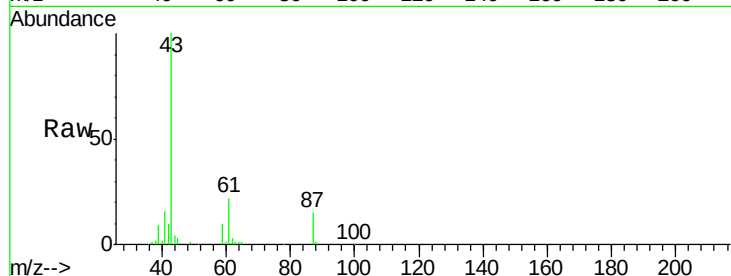
#43
Isopropyl Acetate
Concen: 17.462 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	17.2	25.8
87	15.6	12.1	18.1

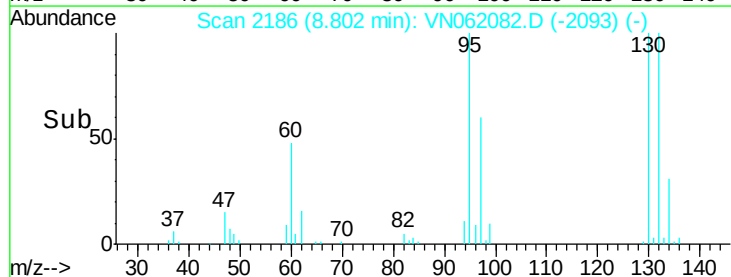
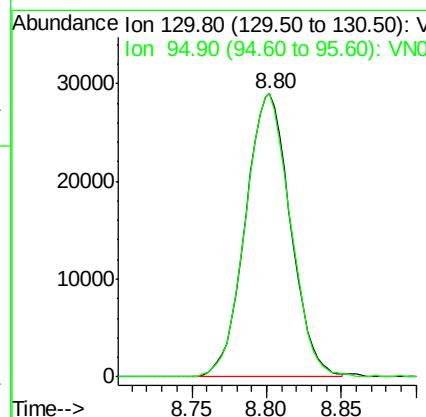
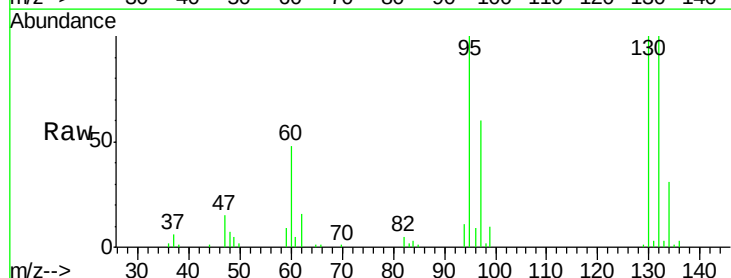
Manual Integrations
APPROVED

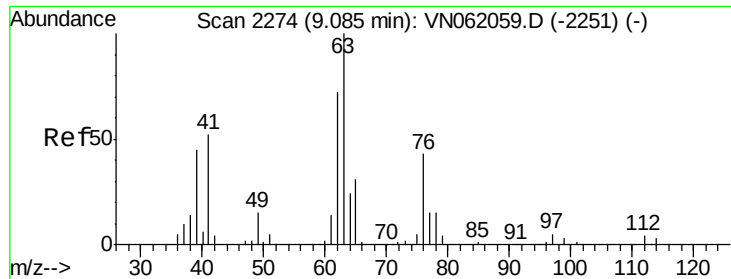
MMDadoda
6/25/2020 6:10:49 PM



#44
Trichloroethene
Concen: 17.426 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	197.8





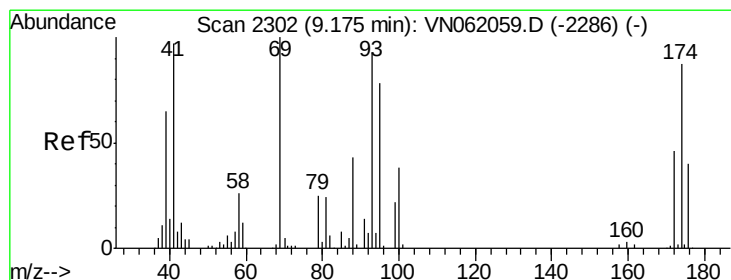
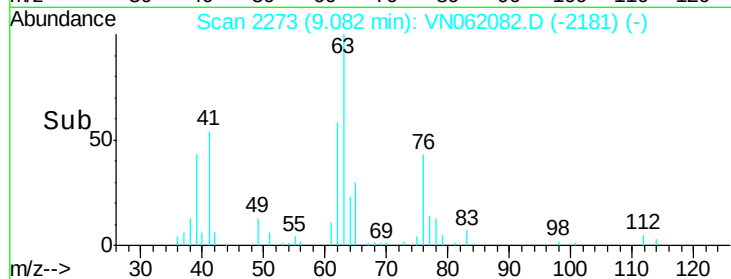
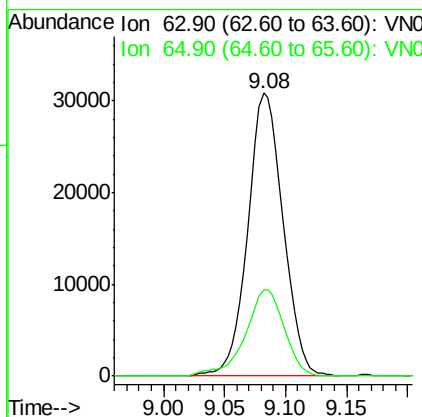
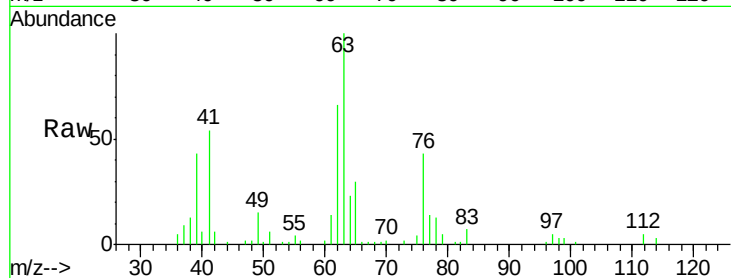
#45
 1,2-Dichloropropane
 Concen: 18.085 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion: 63 Resp: 61496
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

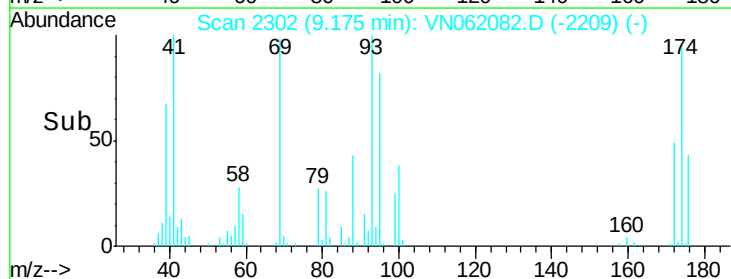
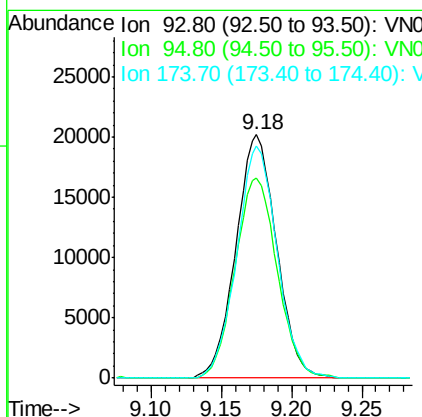
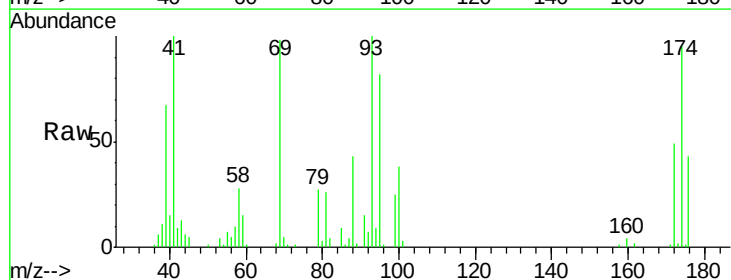
Manual Integrations
 APPROVED

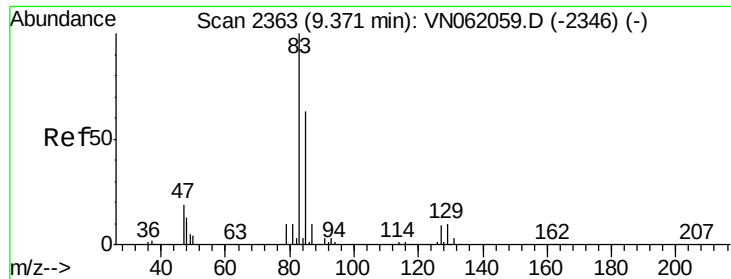
MMDadoda
 6/25/2020 6:10:49 PM



#46
 Dibromomethane
 Concen: 17.654 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion: 93 Resp: 40702
 Ion Ratio Lower Upper
 93 100
 95 85.3 67.0 100.6
 174 94.6 74.4 111.6





#47

Bromodichloromethane

Concen: 17.896 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

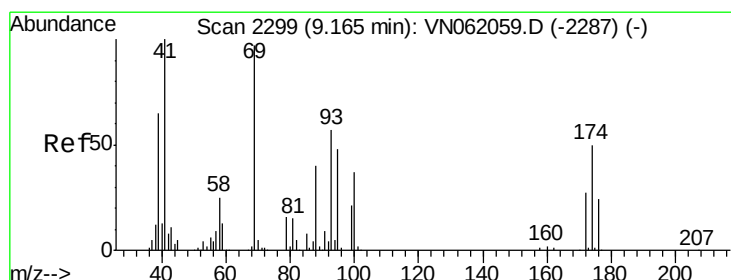
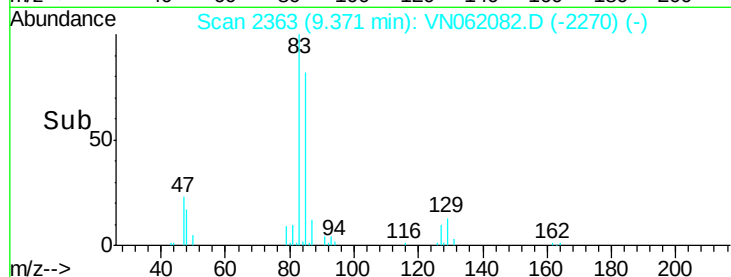
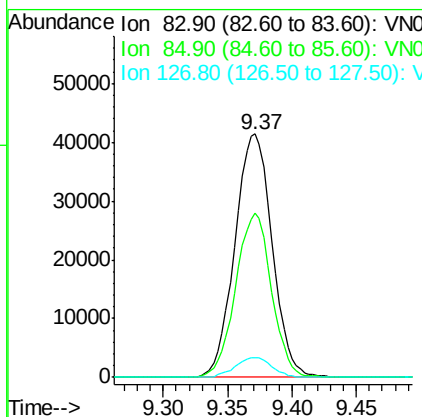
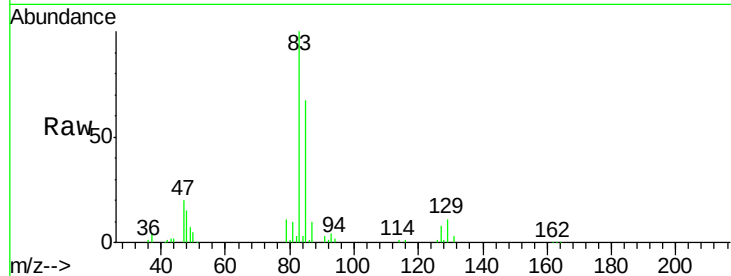
ClientSampleId :

VN0624WBS02

Tot Ion:	83	Resp:	83307
Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.3	75.5
127	8.3	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
6/25/2020 6:10:49 PM



#48

Methyl methacrylate

Concen: 17.673 ug/l

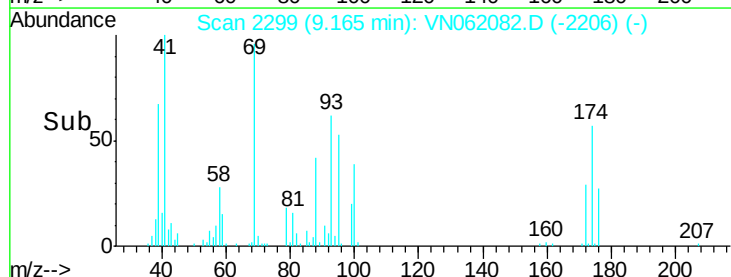
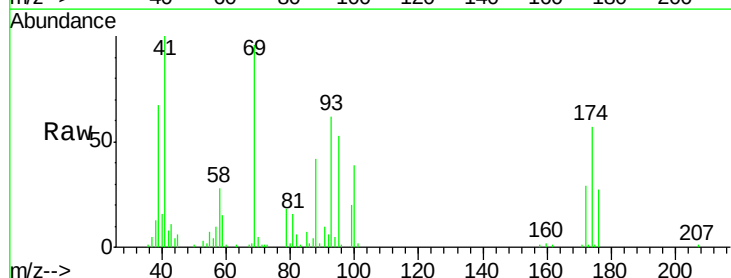
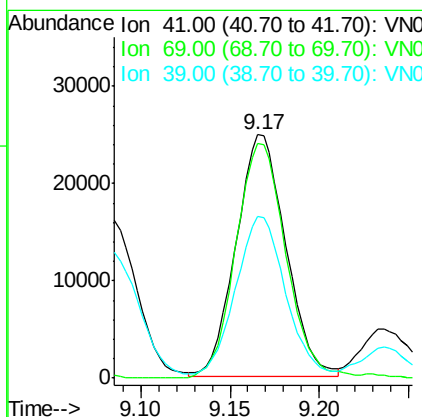
RT: 9.17 min Scan# 2299

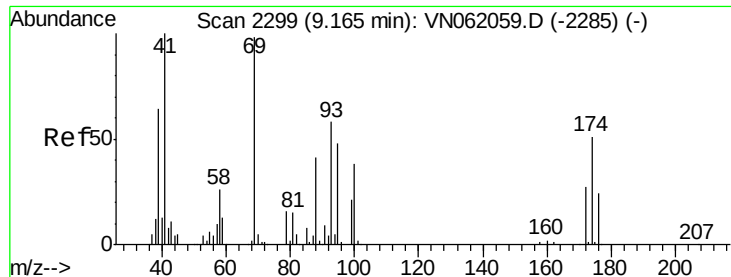
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	41	Resp:	48372
Ion	Ratio	Lower	Upper
41	100		
69	98.1	80.7	121.1
39	66.7	54.5	81.7





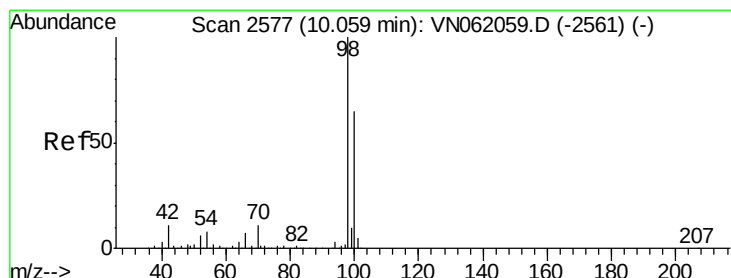
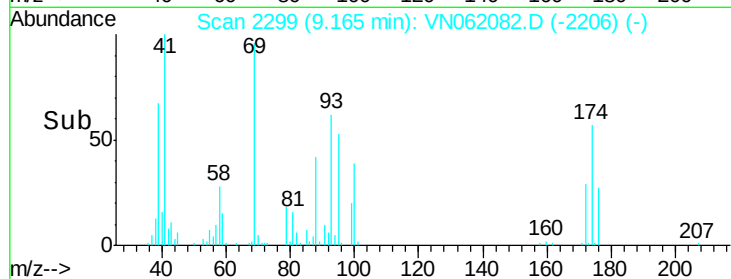
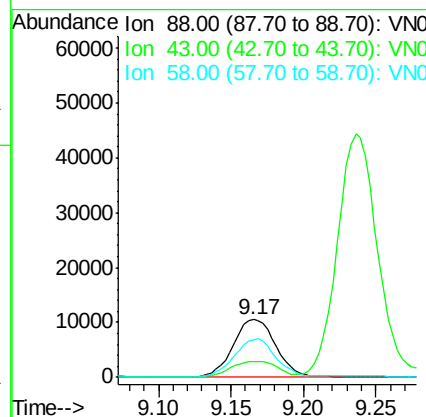
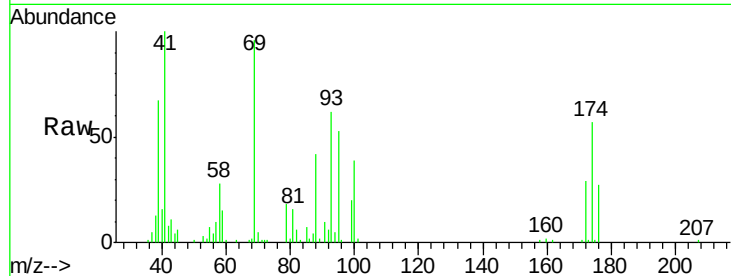
#49
1,4-Dioxane
Concen: 357.629 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	88	Resp	21707
Ion	Ratio	Lower	Upper
88	100		
43	30.4	22.0	33.0
58	65.5	49.2	73.8

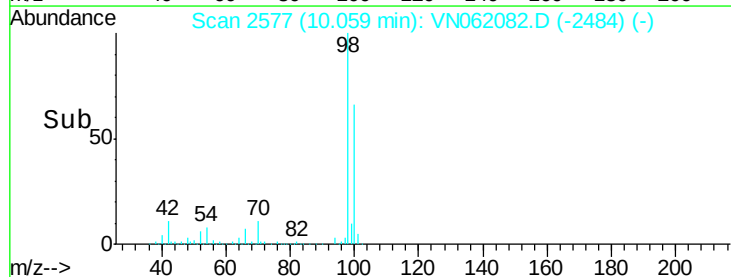
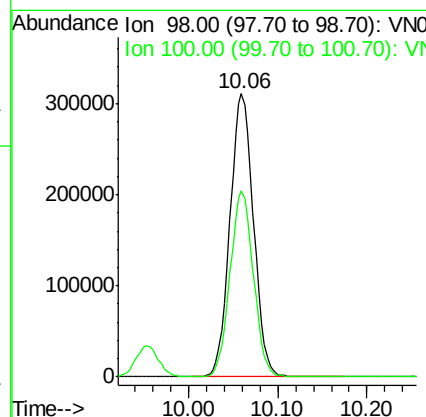
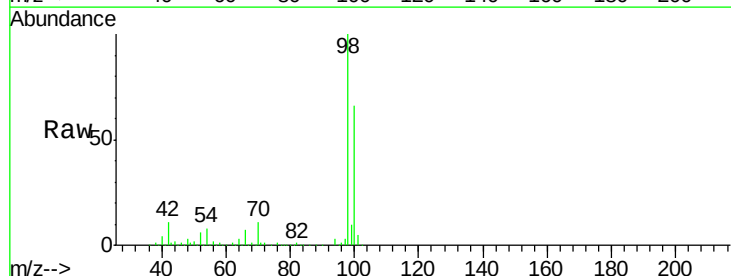
Manual Integrations
APPROVED

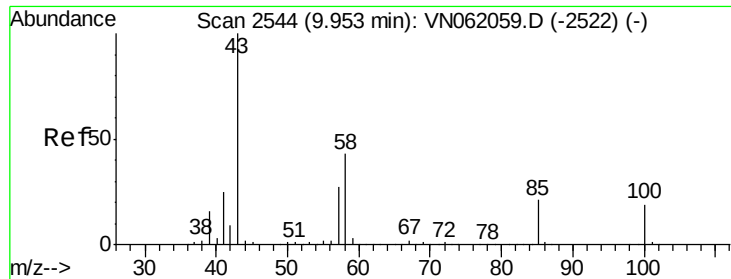
MMDadoda
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#50
Toluene-d8
Concen: 49.166 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	98	Resp	567266
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 89.826 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion: 43 Resp: 320365

Ion Ratio Lower Upper

43 100

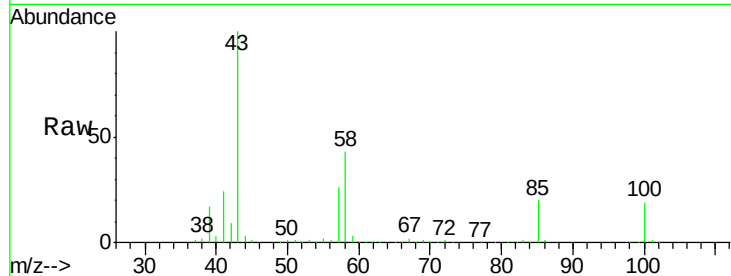
58 43.5 34.2 51.2

Manual Integrations

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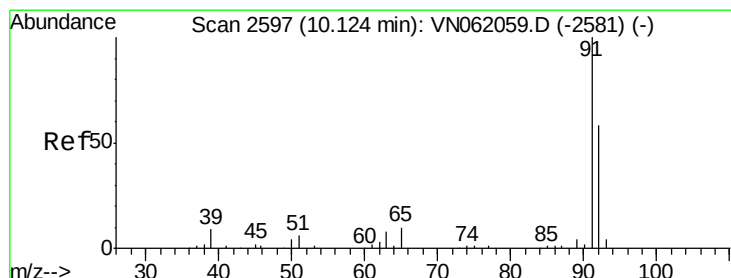
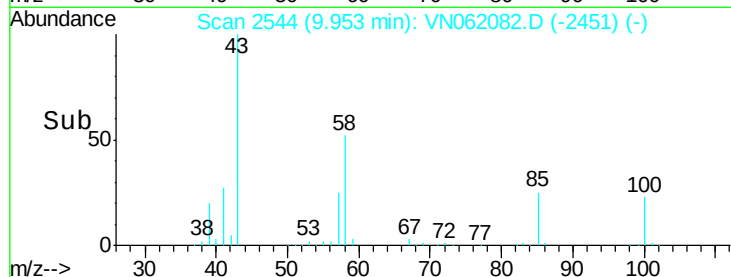
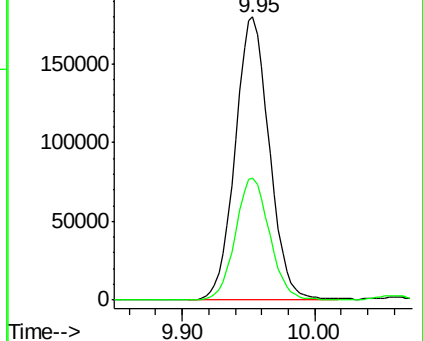
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.140 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062082.D

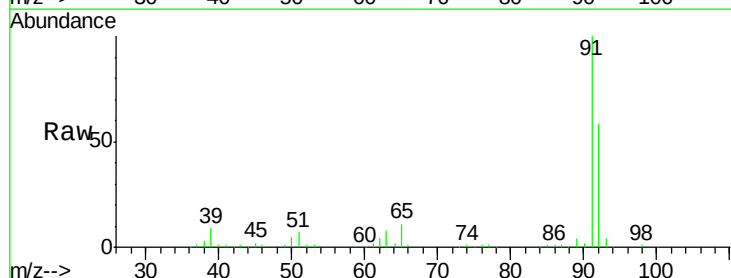
Acq: 24 Jun 2020 23:26

Tgt Ion: 92 Resp: 152556

Ion Ratio Lower Upper

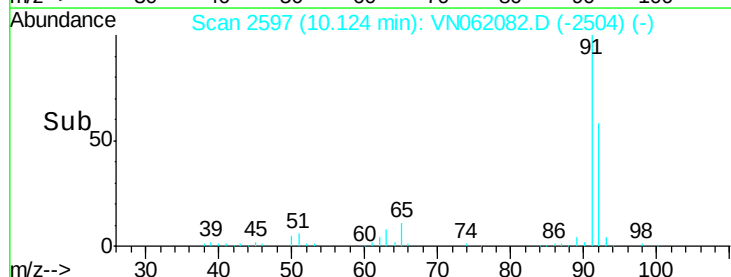
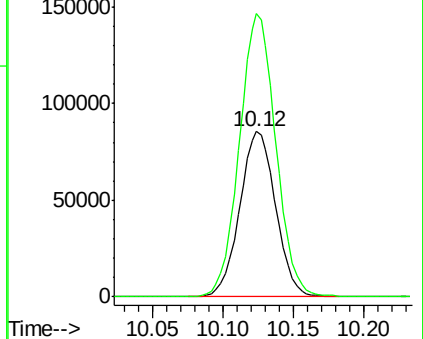
92 100

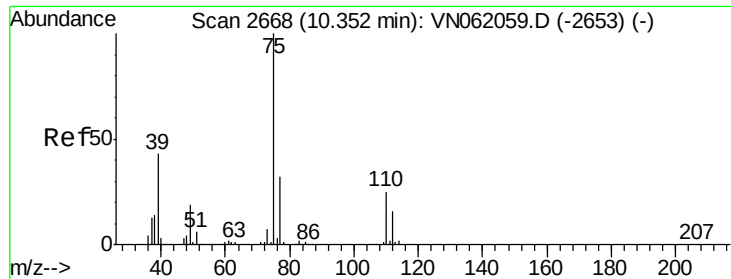
91 173.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





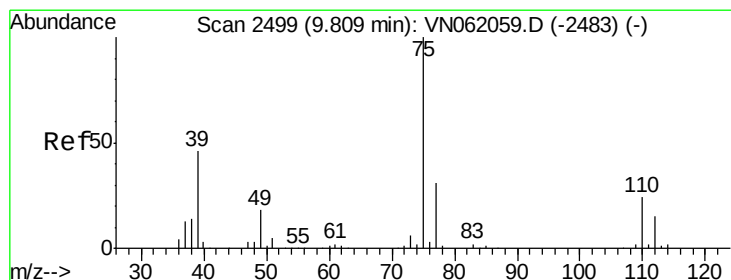
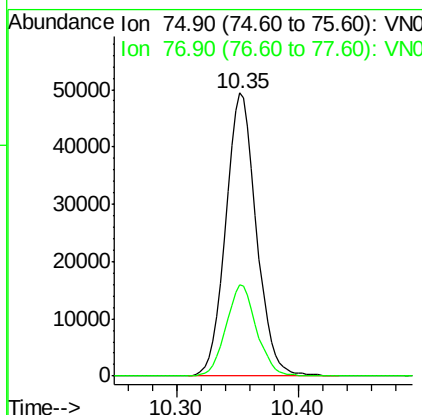
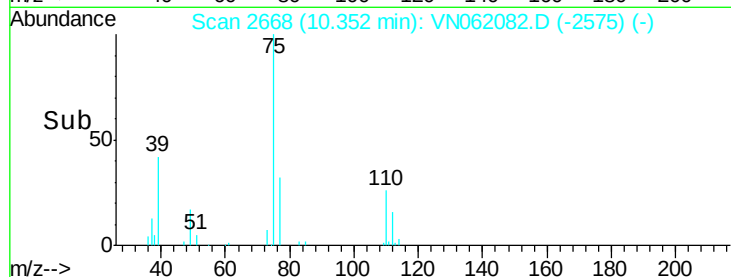
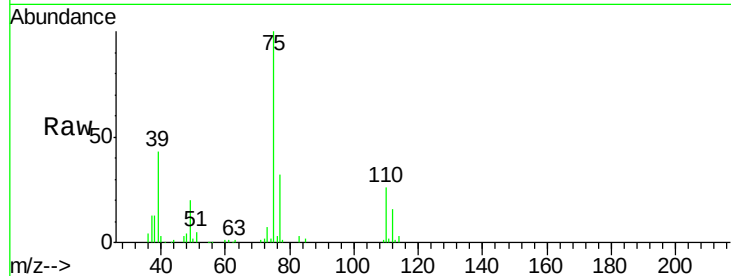
#53
t-1,3-Dichloropropene
Concen: 16.949 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampled :
VN0624WBS02

Tot Ion: 75 Resp: 86803
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3

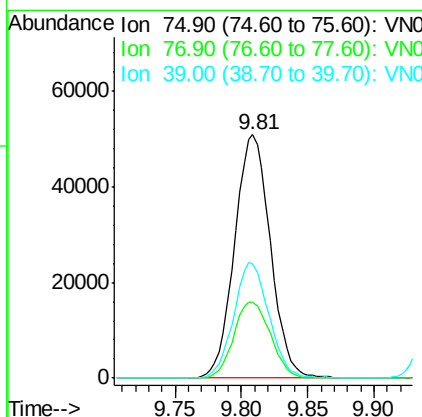
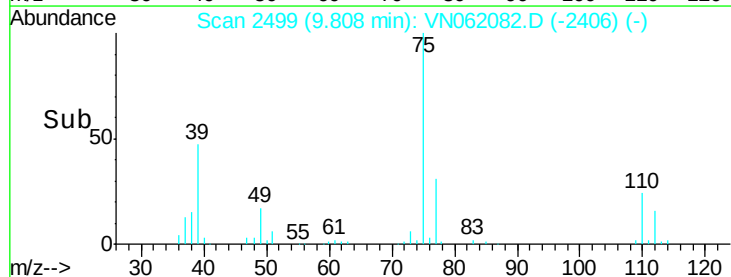
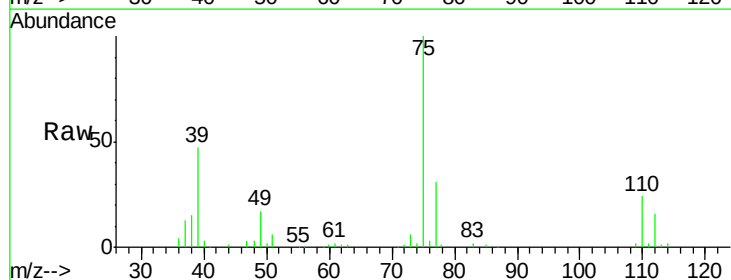
Manual Integrations
APPROVED

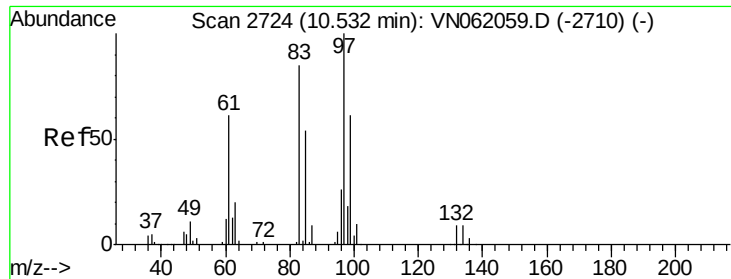
MMDadoda
6/25/2020 6:10:49 PM



#54
cis-1,3-Dichloropropene
Concen: 17.538 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion: 75 Resp: 95626
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 46.7 36.9 55.3





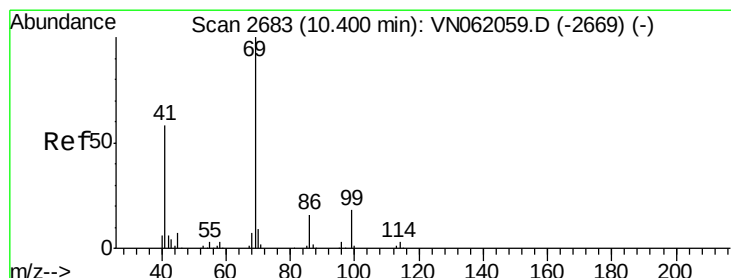
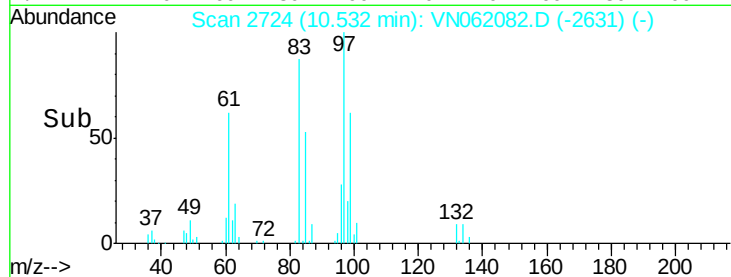
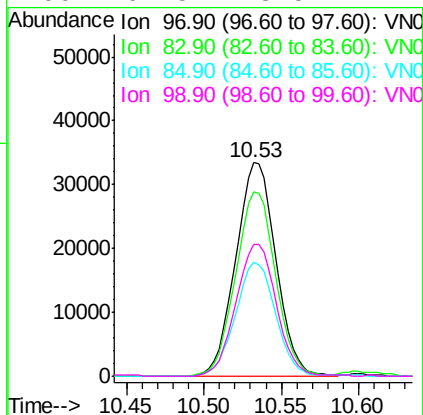
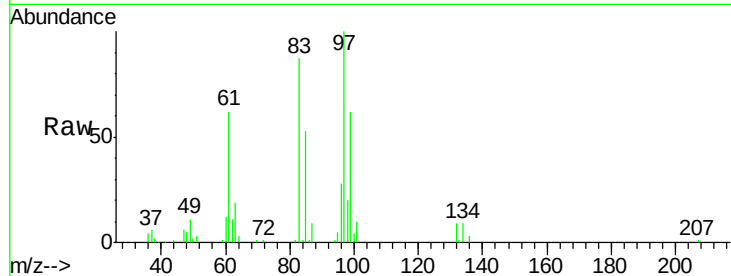
#55
 1,1,2-Trichloroethane
 Concen: 18.333 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion:	97	Resp:	60607
Ion	Ratio	Lower	Upper
97	100		
83	86.5	68.2	102.2
85	53.3	43.2	64.8
99	61.5	48.5	72.7

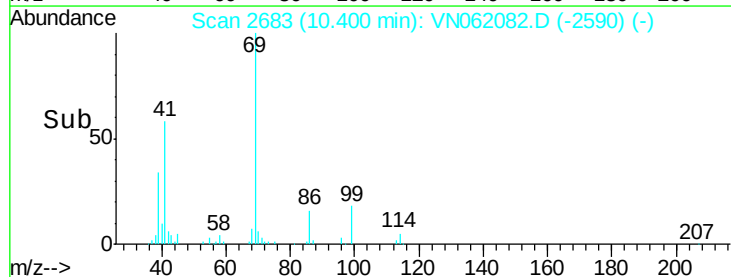
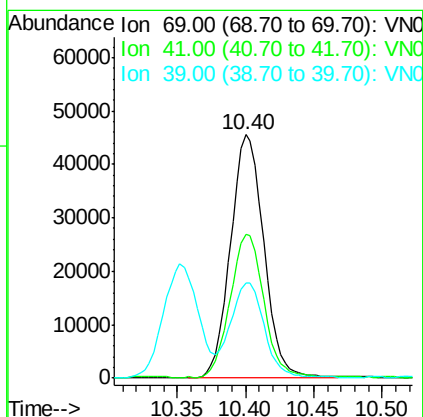
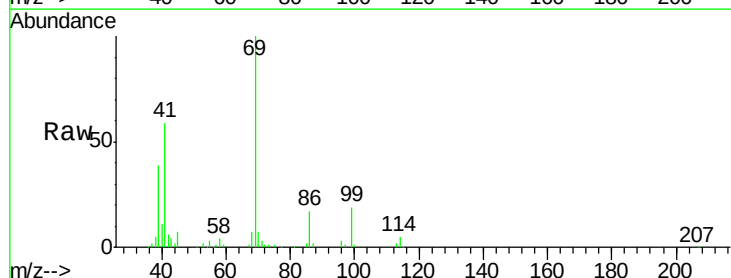
Manual Integrations
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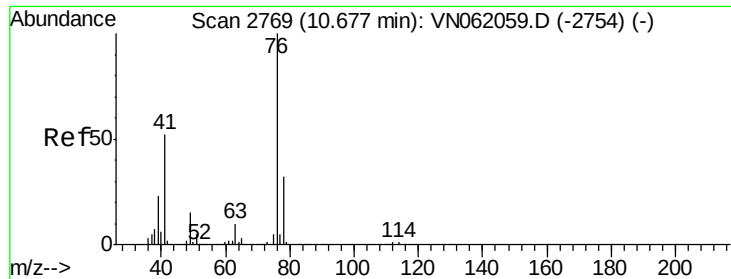
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 6/25/2020 6:10:49 PM



#56
 Ethyl methacrylate
 Concen: 17.601 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion:	69	Resp:	77654
Ion	Ratio	Lower	Upper
69	100		
41	60.3	46.6	70.0
39	40.2	31.0	46.4





#57

1,3-Dichloropropane

Concen: 18.027 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion: 76 Resp: 102576

Ion Ratio Lower Upper

76 100

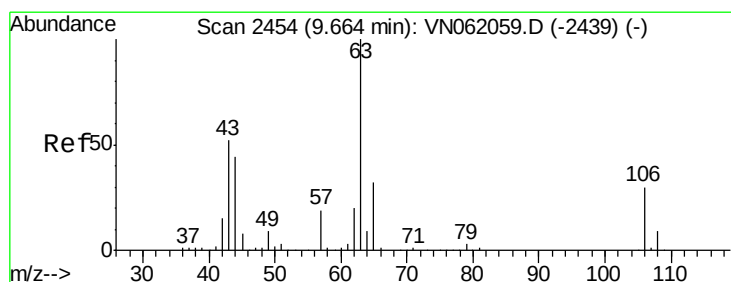
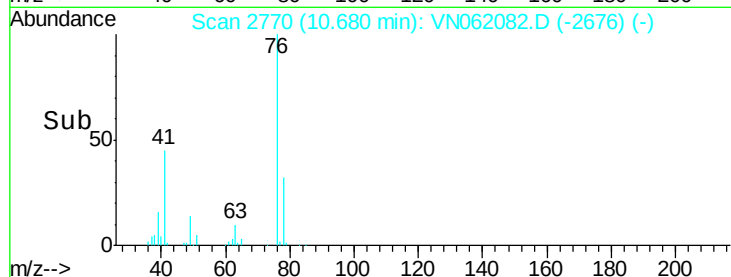
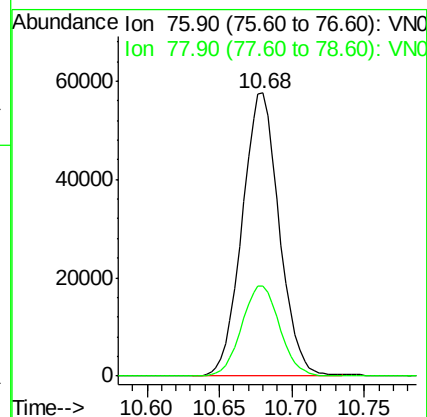
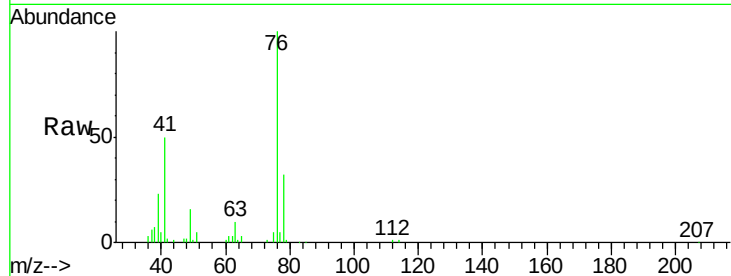
78 32.6 25.8 38.8

Manual Integrations

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6/25/2020 6:10:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 86.842 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062082.D

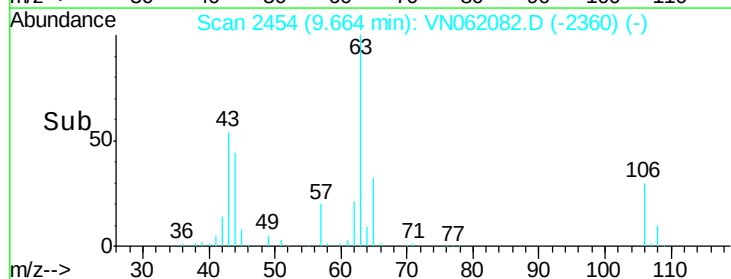
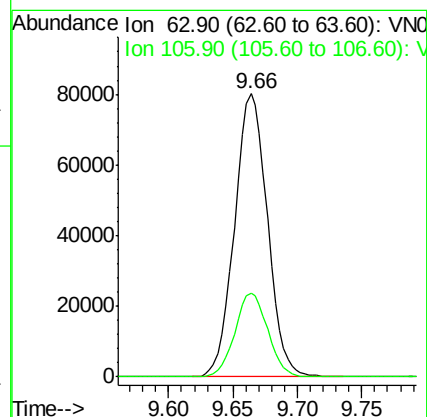
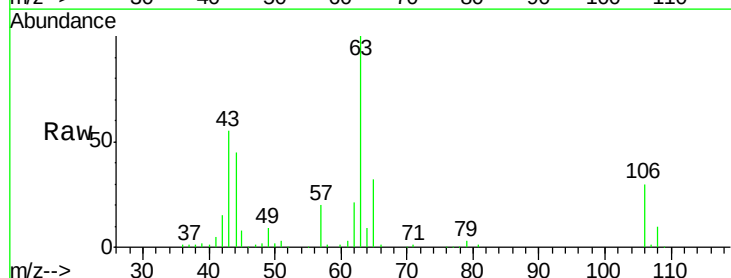
Acq: 24 Jun 2020 23:26

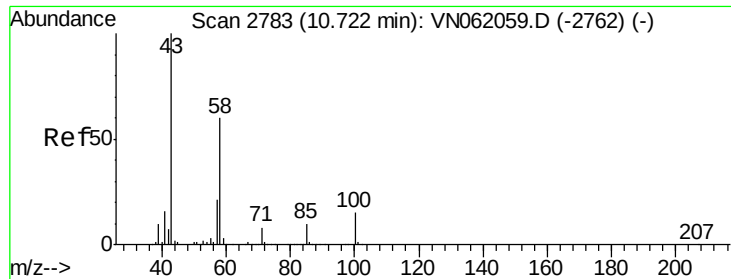
Tgt Ion: 63 Resp: 142024

Ion Ratio Lower Upper

63 100

106 29.5 23.2 34.8





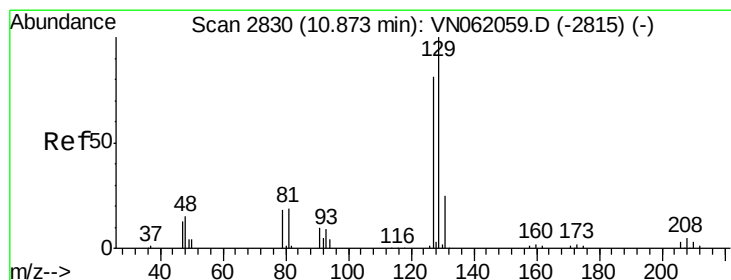
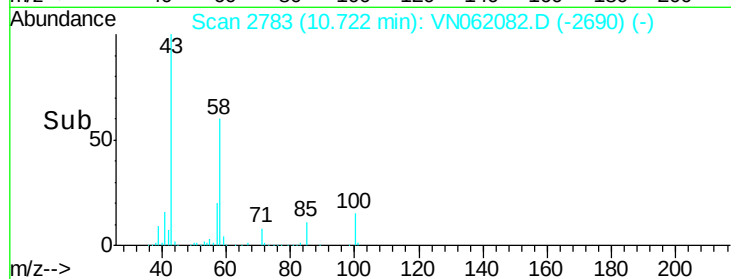
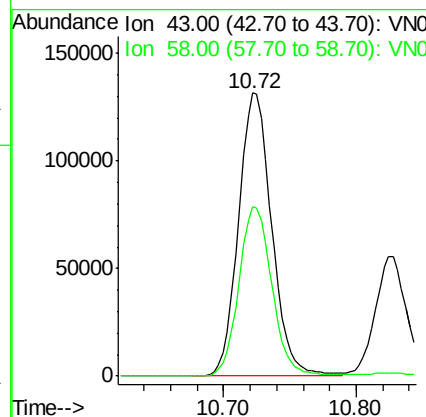
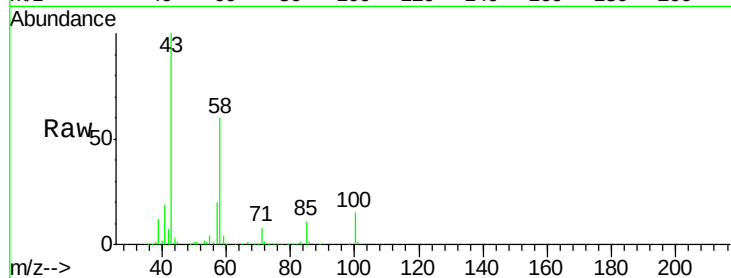
#59
2-Hexanone
Concen: 89.060 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.6	29.5	88.5

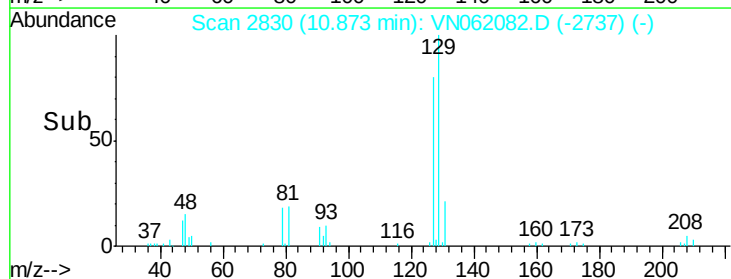
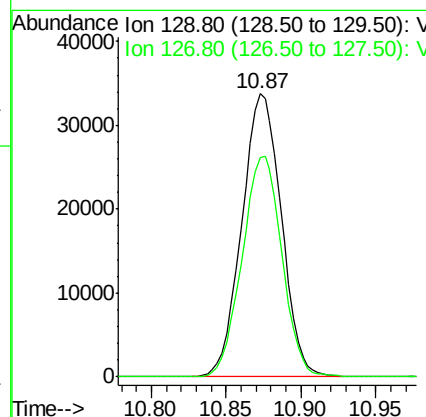
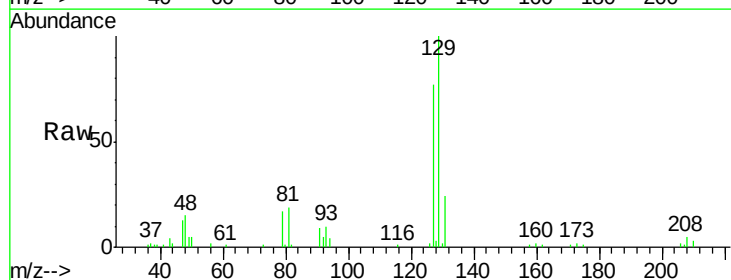
Manual Integrations
APPROVED

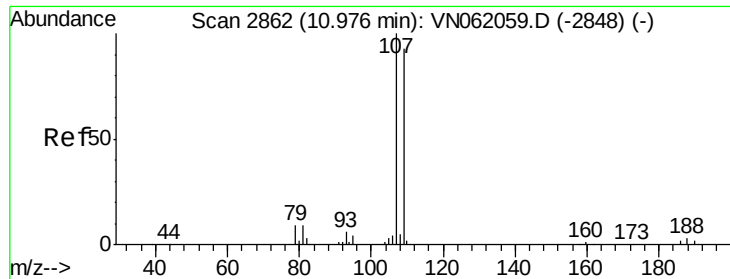
MMDadoda
6/25/2020 6:10:49 PM



#60
Dibromochloromethane
Concen: 17.743 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.5	118.5





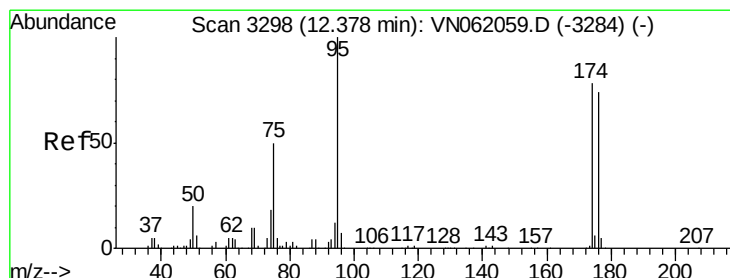
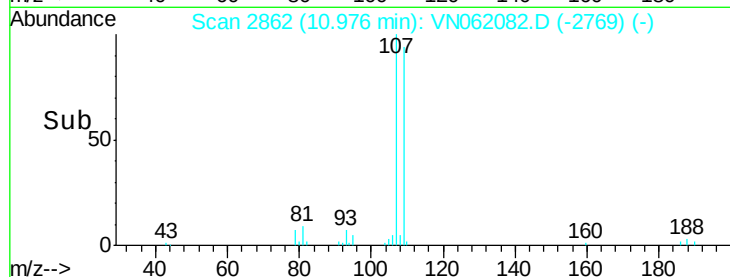
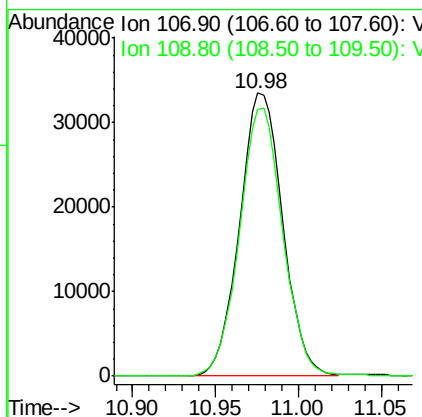
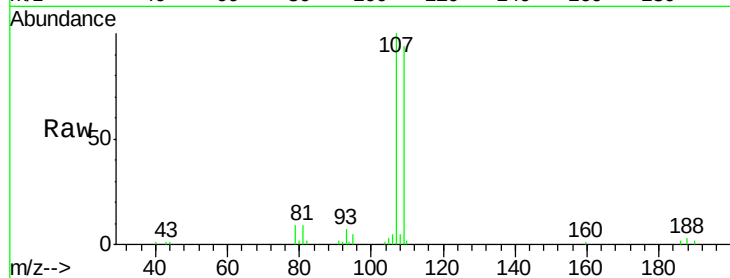
#61
 1,2-Dibromoethane
 Concen: 17.823 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion:107 Resp: 60544
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.0 112.6

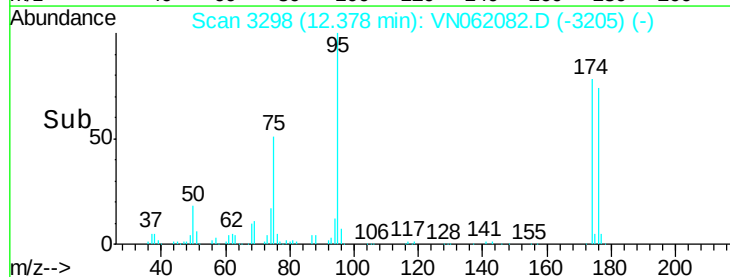
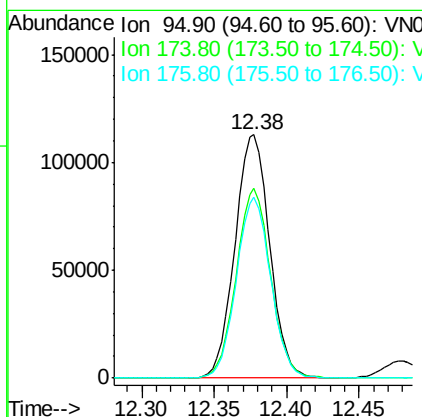
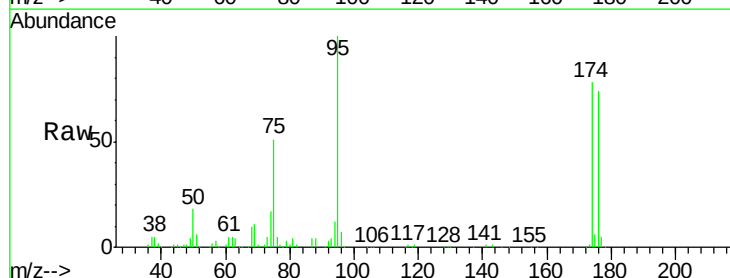
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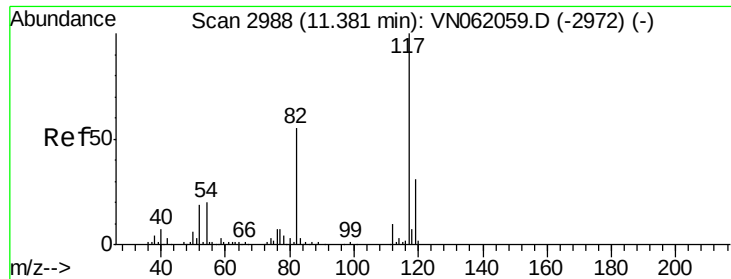
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.358 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion: 95 Resp: 188506
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 154.8
 176 73.3 0.0 147.4





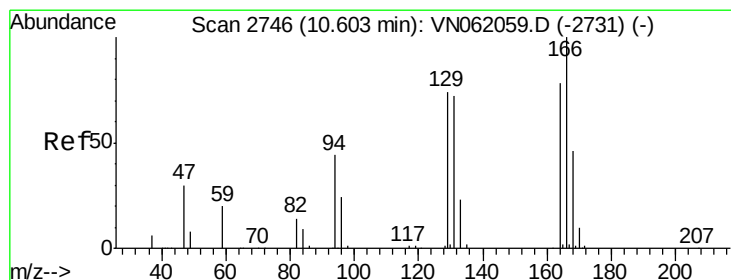
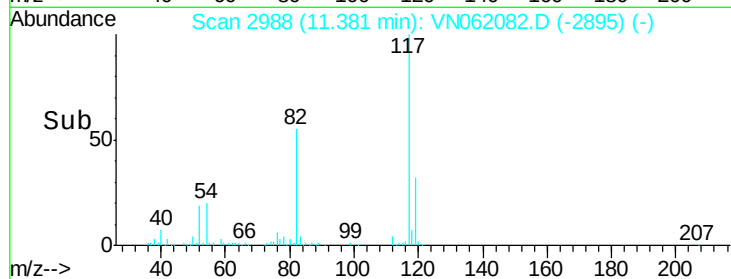
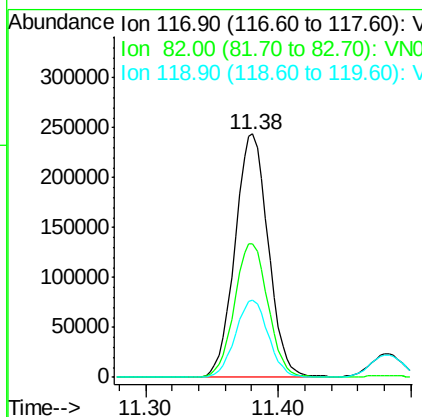
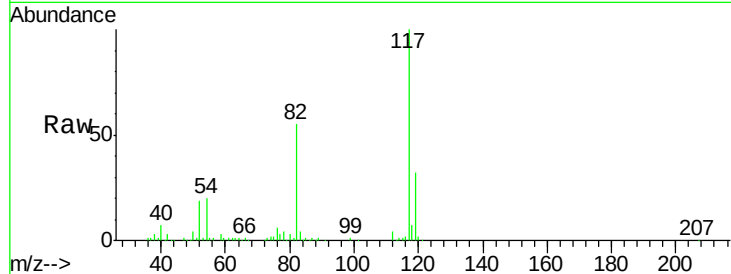
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.8	65.8
119	31.8	25.2	37.8

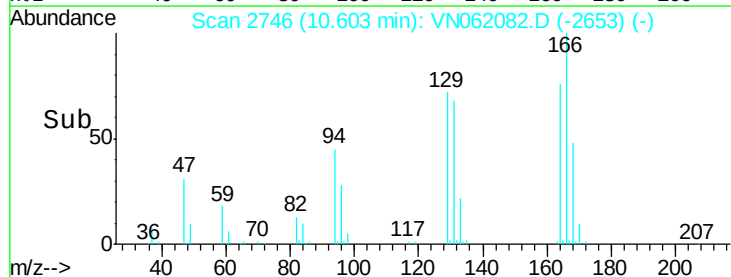
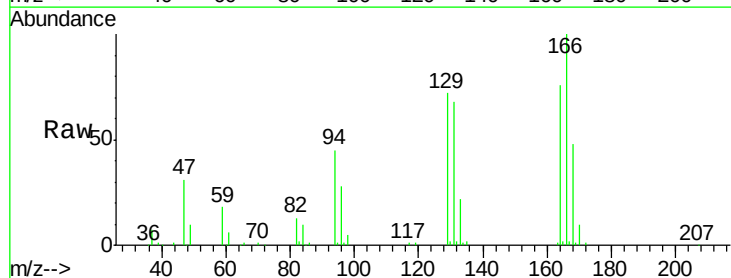
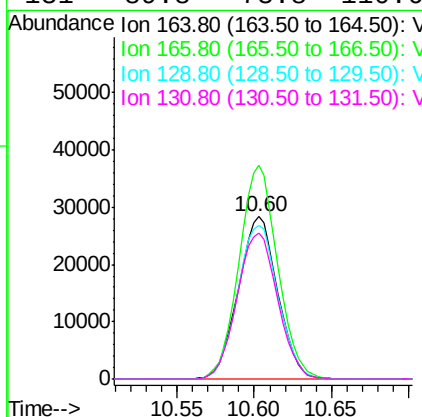
Manual Integrations
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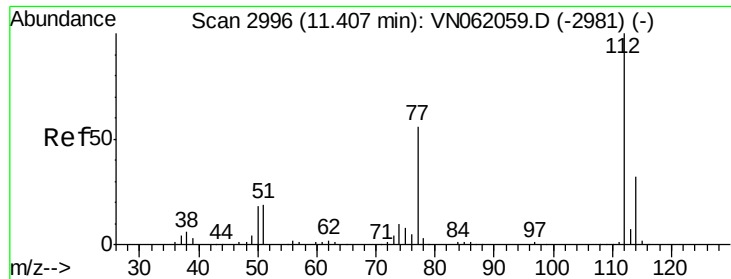
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#64
Tetrachloroethene
Concen: 17.296 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	102.9	154.3
129	94.8	75.8	113.8
131	89.8	73.8	110.6





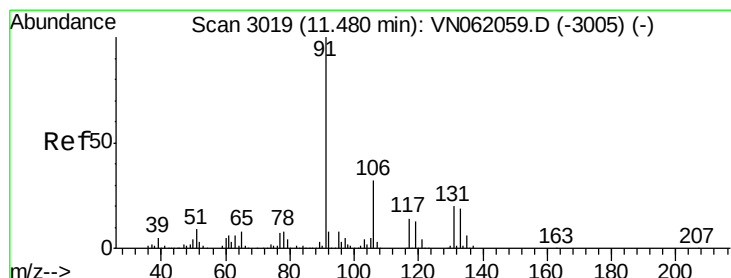
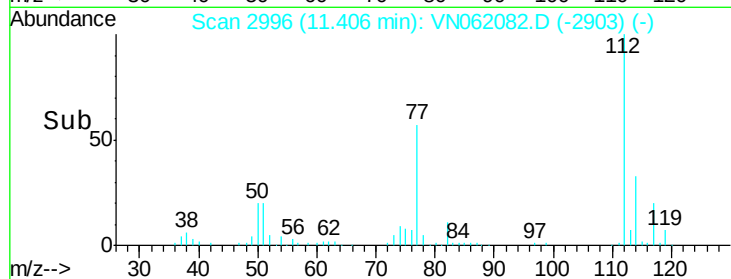
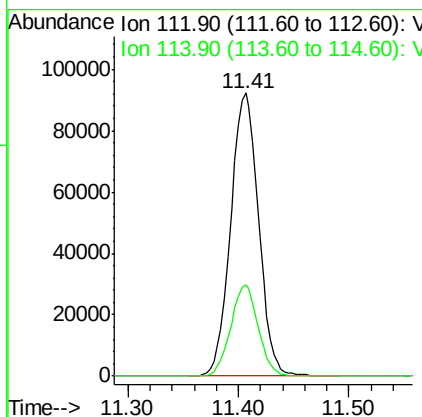
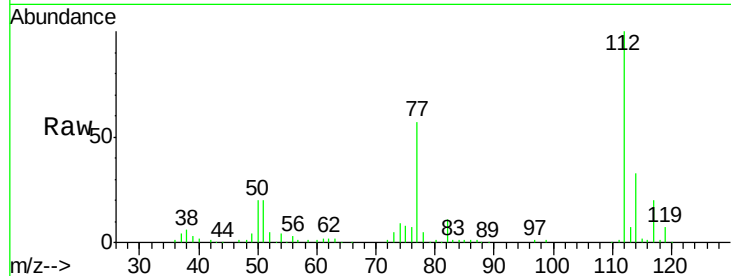
#65
Chlorobenzene
Concen: 17.416 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS02

Tot Ion:112 Resp: 162198
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

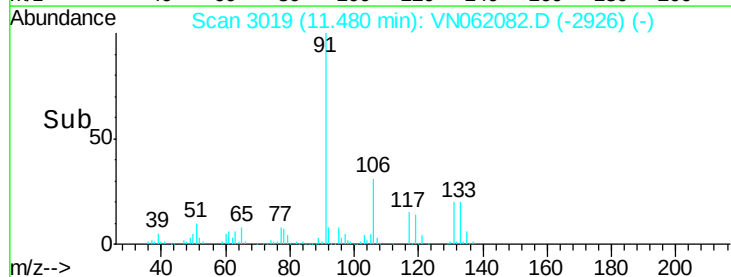
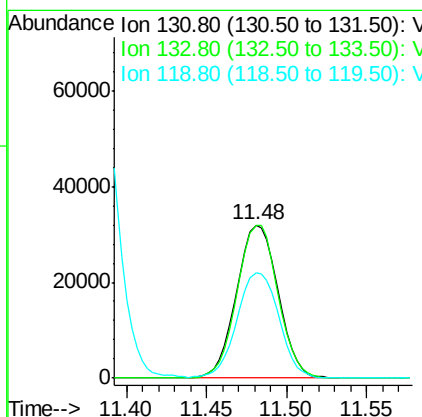
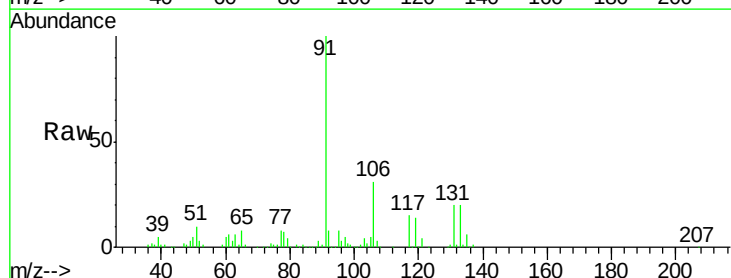
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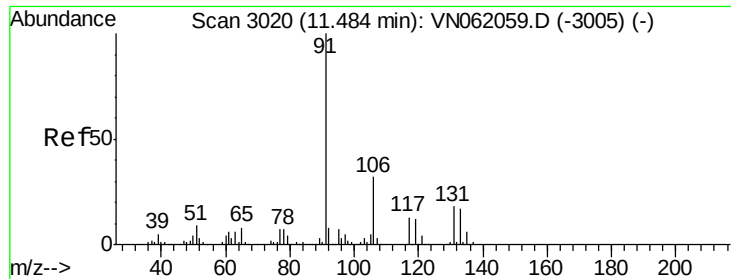
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.578 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion:131 Resp: 56607
Ion Ratio Lower Upper
131 100
133 98.3 47.6 142.9
119 68.9 34.4 103.3





#67

Ethyl Benzene

Concen: 17.793 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion: 91 Resp: 279865

Ion Ratio Lower Upper

91 100

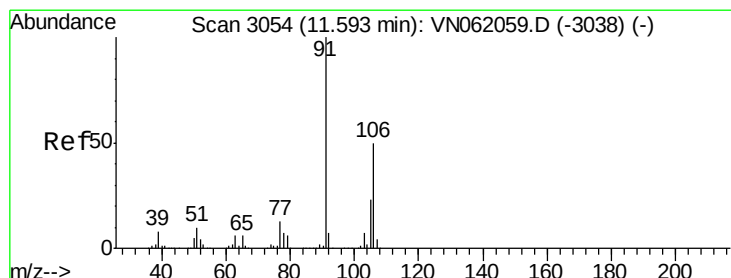
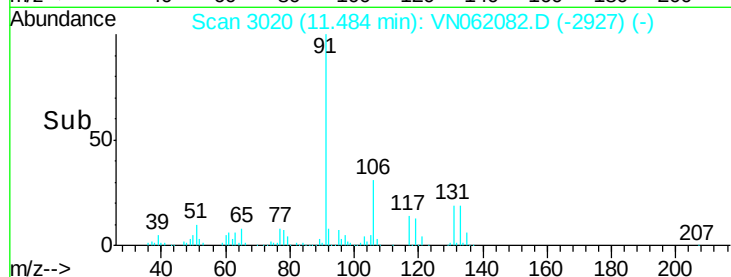
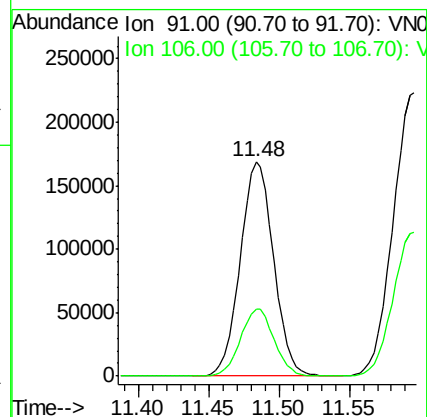
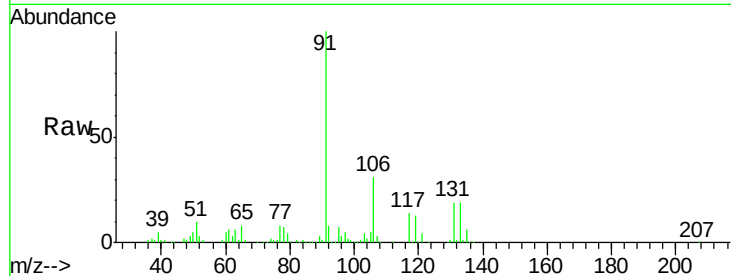
106 31.4 25.3 37.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 35.997 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062082.D

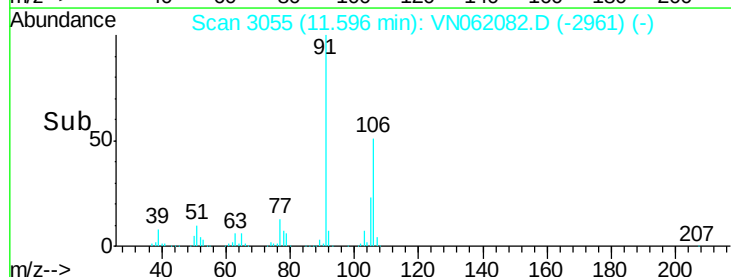
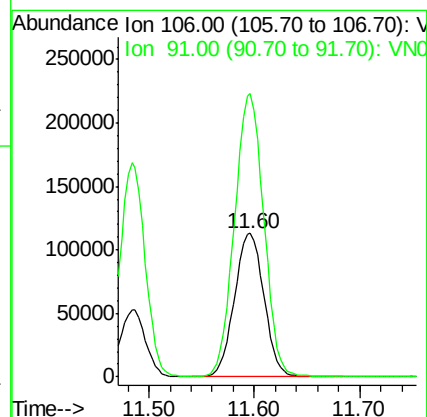
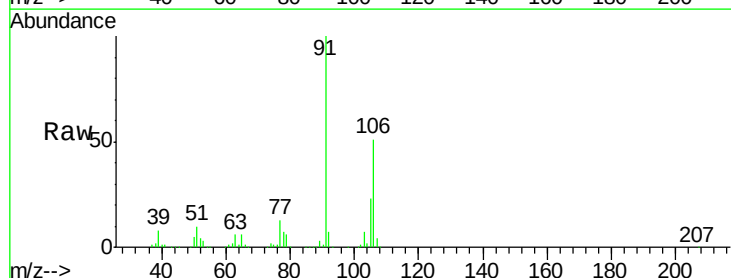
Acq: 24 Jun 2020 23:26

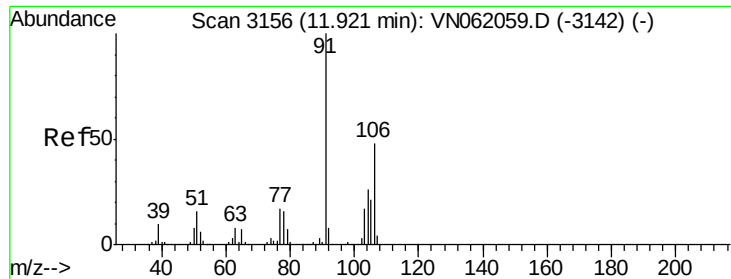
Tgt Ion: 106 Resp: 218986

Ion Ratio Lower Upper

106 100

91 195.1 157.8 236.8





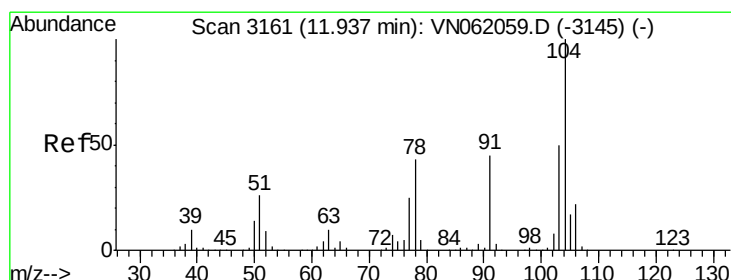
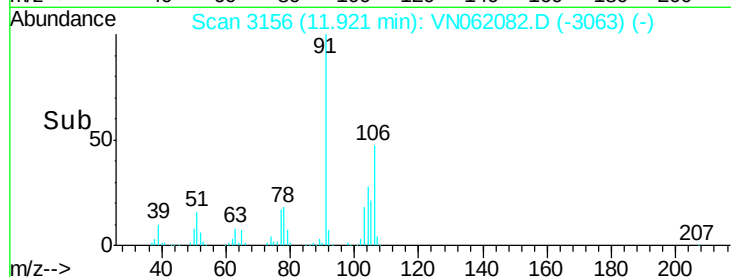
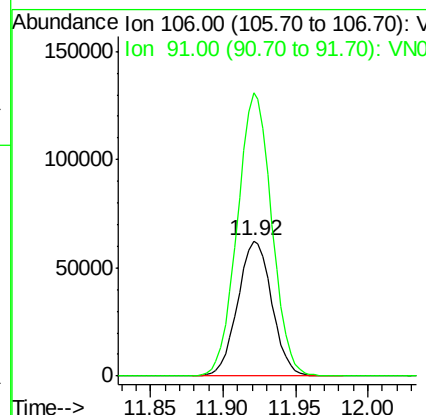
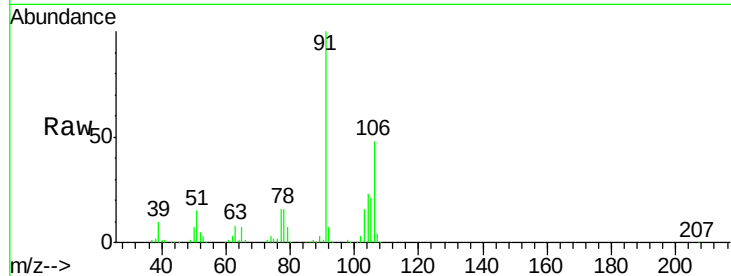
#69
o-Xylene
Concen: 17.762 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Instrument :
MSVOA_N
ClientSampled :
VN0624WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	101954		
91	91	211.4	104.0	311.9	

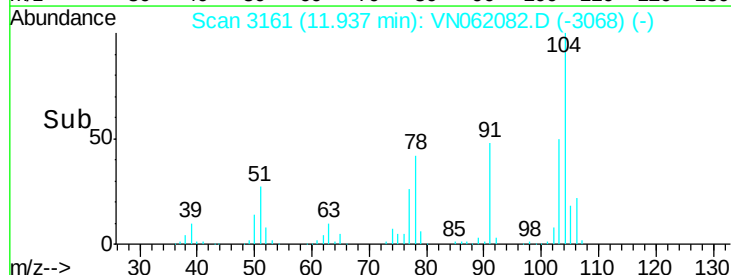
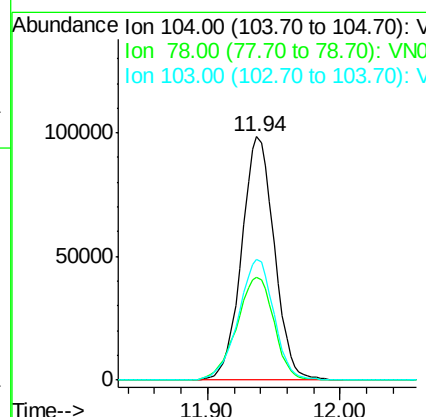
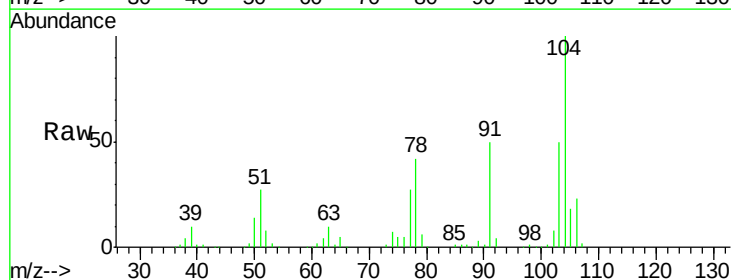
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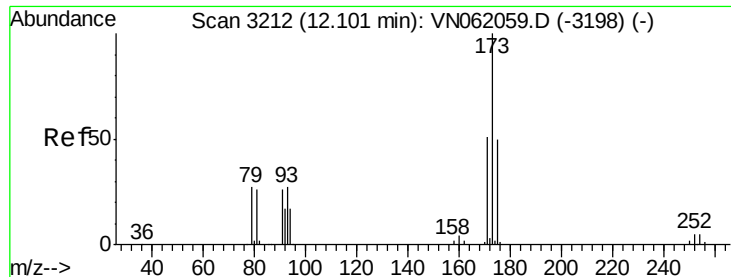
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#70
Styrene
Concen: 17.662 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062082.D
Acq: 24 Jun 2020 23:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	169075		
78	78	48.1	37.7	56.5	
103	103	53.8	43.0	64.6	





#71

Bromoform

Concen: 17.422 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion:173 Resp: 39891

Ion Ratio Lower Upper

173 100

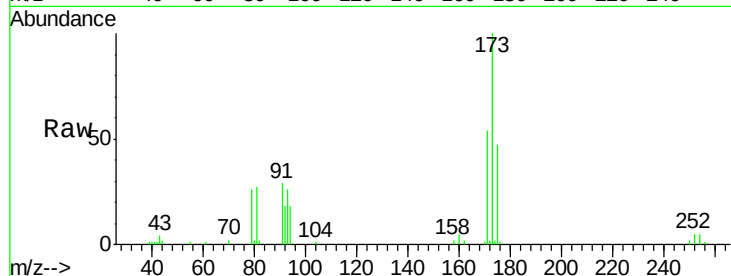
175 47.4 24.7 74.1

254 0.0 0.0 0.0

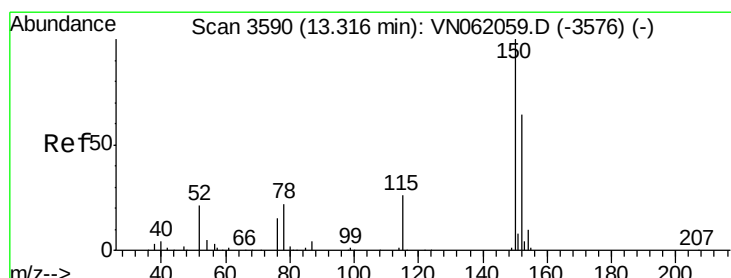
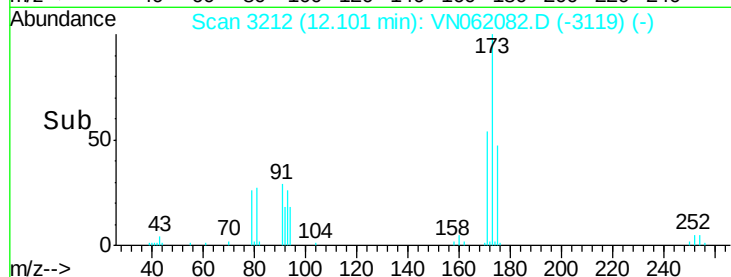
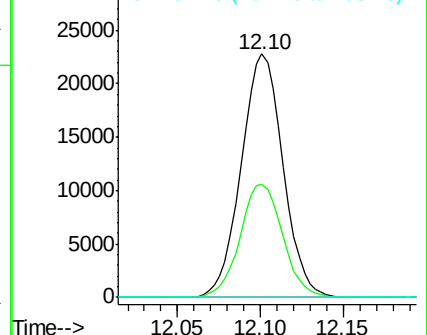
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

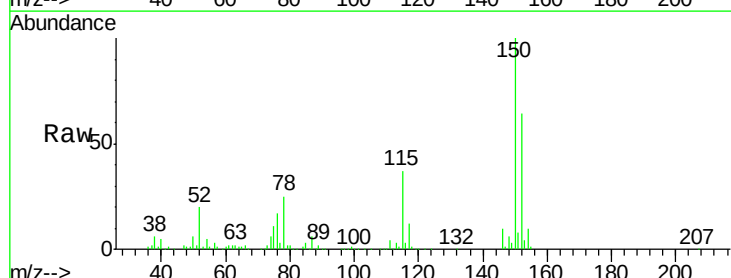
Tgt Ion:152 Resp: 191106

Ion Ratio Lower Upper

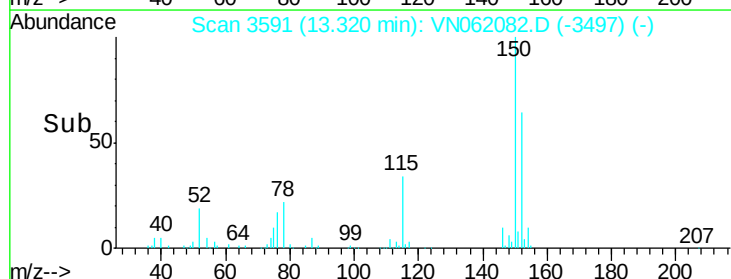
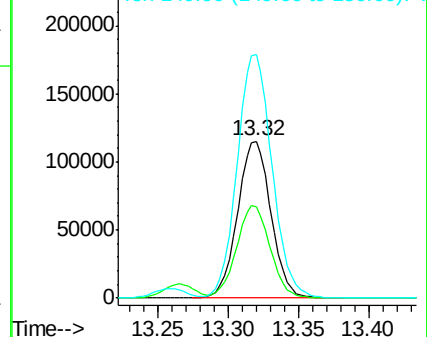
152 100

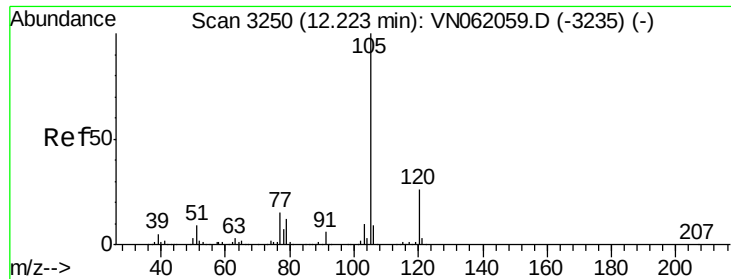
115 58.6 29.5 88.5

150 162.3 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: 18.421 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion: 105 Resp: 272508

Ion Ratio Lower Upper

105 100

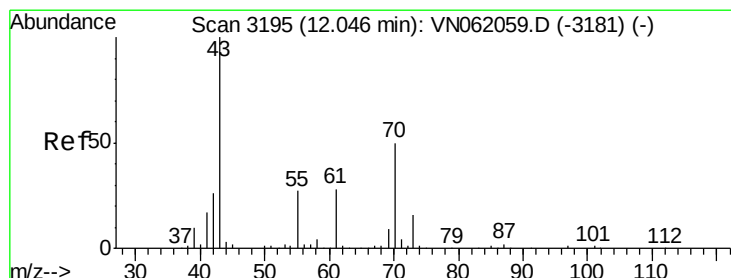
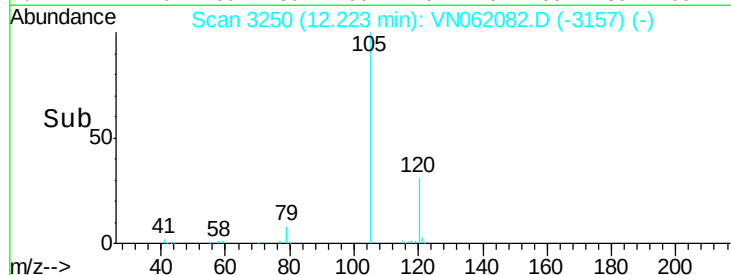
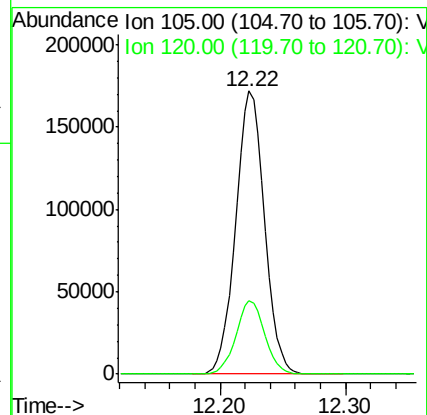
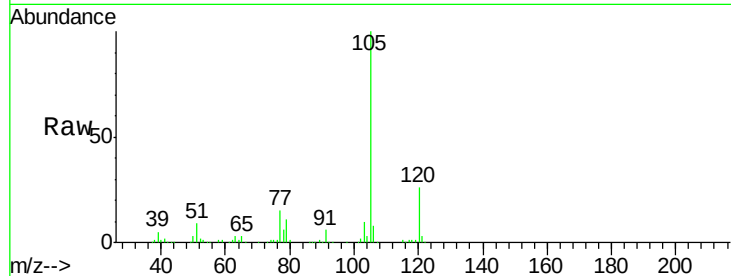
120 26.0 13.2 39.6

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#74

N-ethyl acetate

Concen: 18.155 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion: 43 Resp: 86436

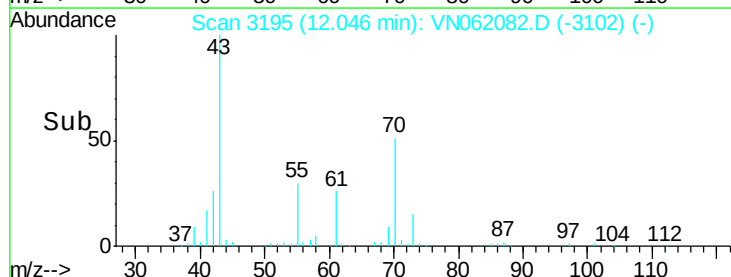
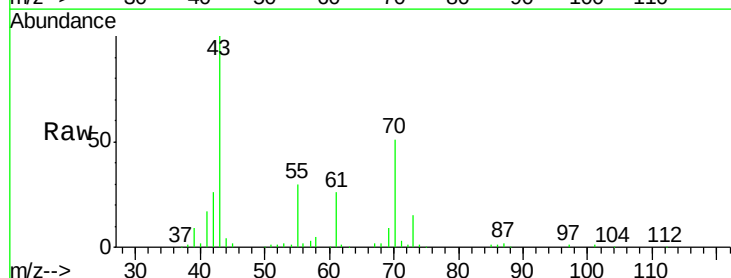
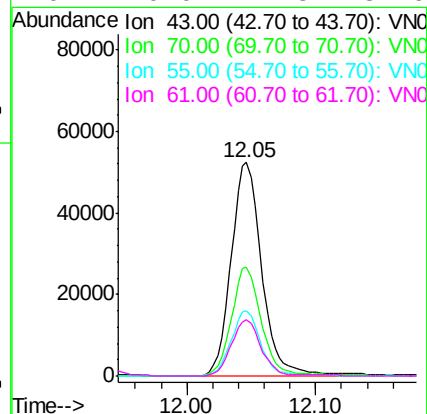
Ion Ratio Lower Upper

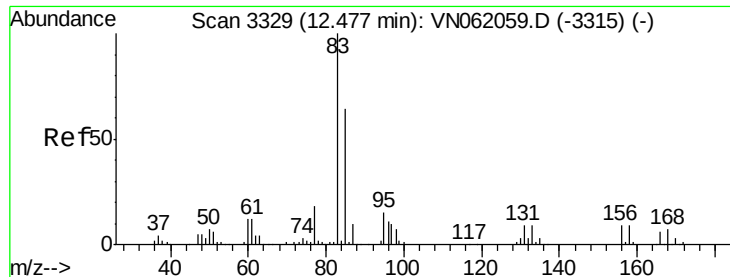
43 100

70 49.2 39.4 59.2

55 29.3 21.7 32.5

61 26.0 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.756 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

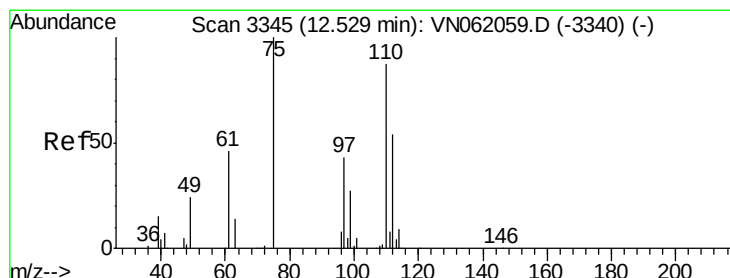
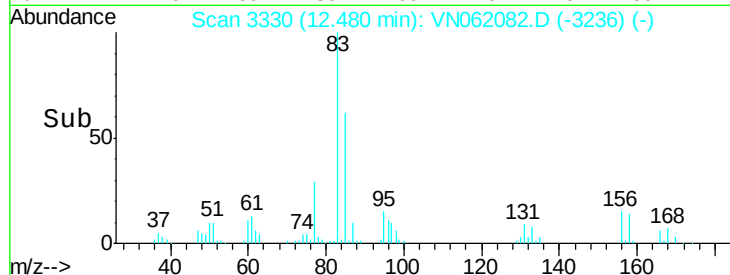
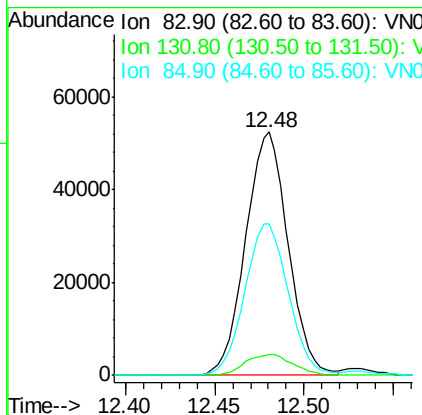
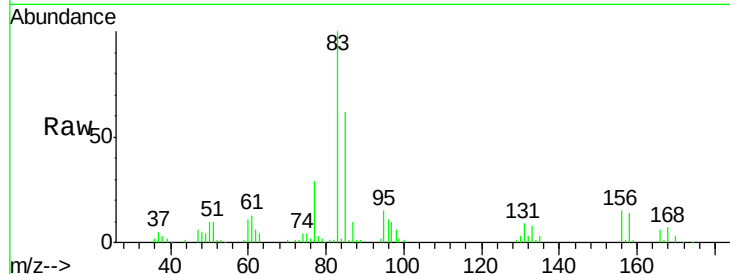
ClientSampleId :

VN0624WBS02

Tot Ion:	83	Resp:	87407
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.4
85	63.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 16.190 ug/l m

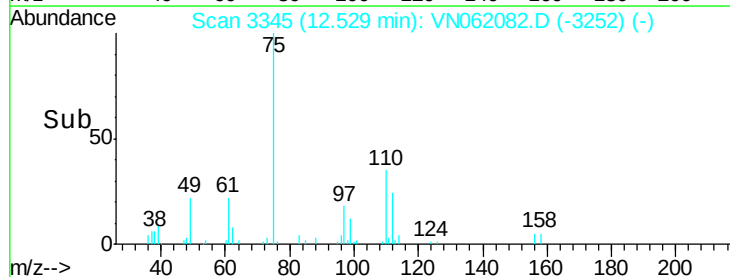
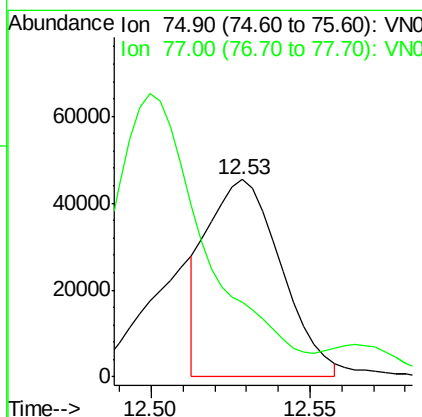
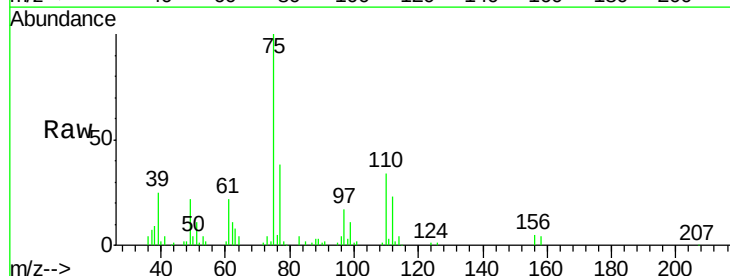
RT: 12.53 min Scan# 3345

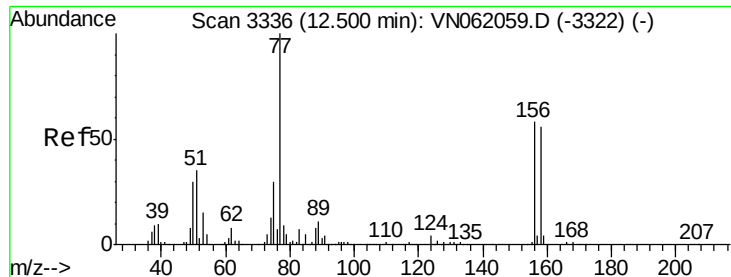
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	75	Resp:	72834
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.966 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

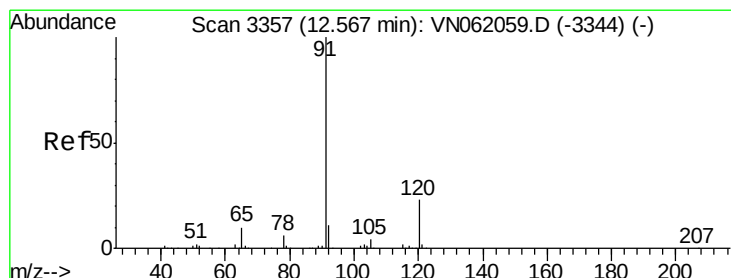
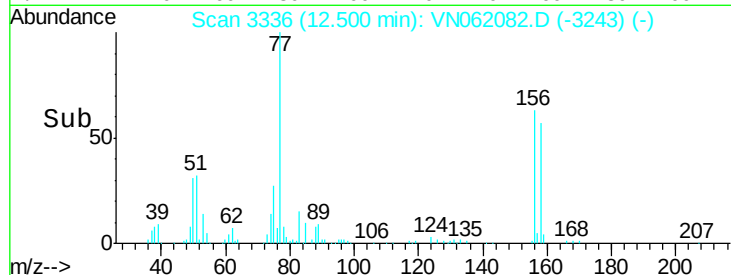
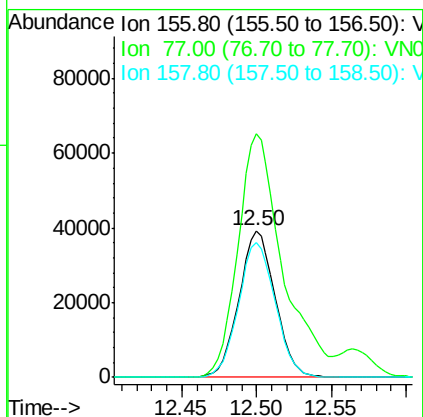
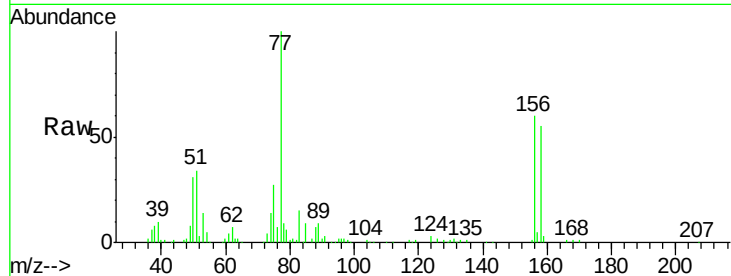
ClientSampleId :

VN0624WBS02

Tot Ion	156	Resp	65984
Ion Ratio	100	Lower	Upper
156	100		
77	205.8	104.6	313.8
158	93.7	48.0	144.0

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#78

n-propylbenzene

Concen: 18.041 ug/l

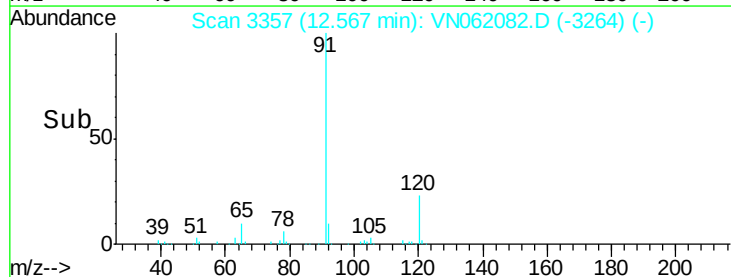
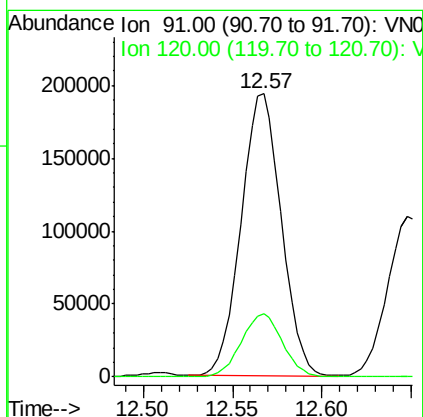
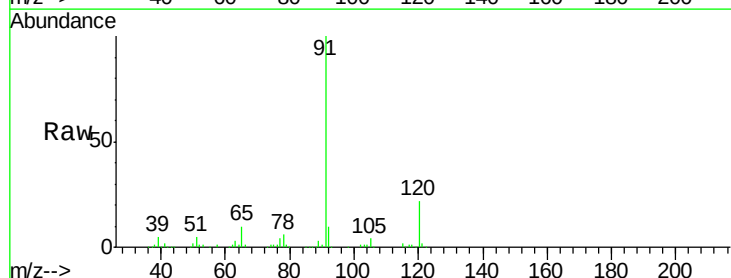
RT: 12.57 min Scan# 3357

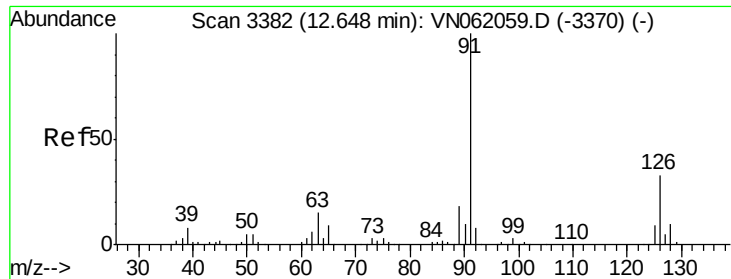
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion	91	Resp	305276
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	100		
120	22.9	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.914 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampled :

VN0624WBS02

Tot Ion: 91 Resp: 183258

Ion Ratio Lower Upper

91 100

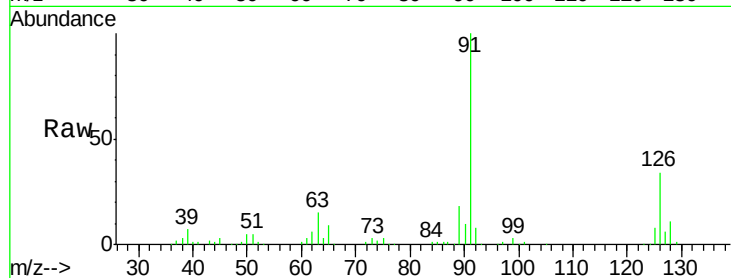
126 34.2 16.9 50.7

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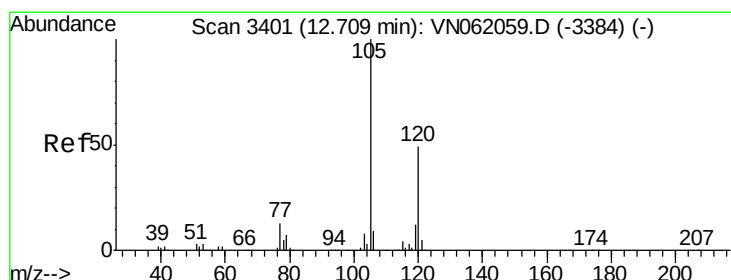
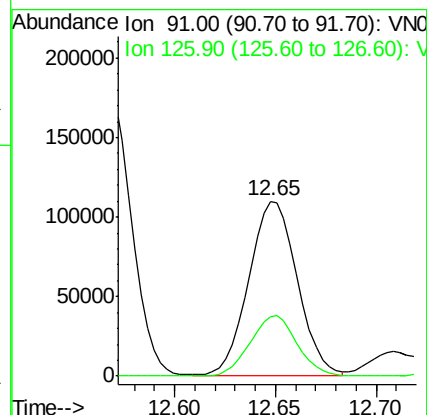
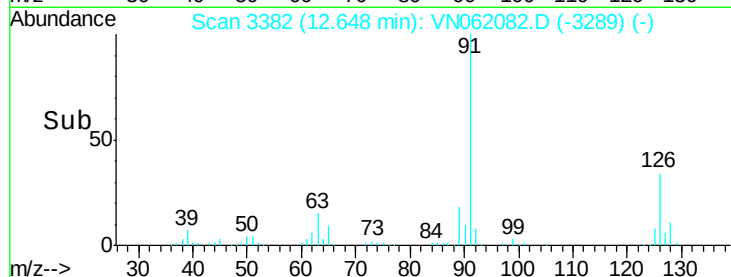
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Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062059.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.345 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062082.D

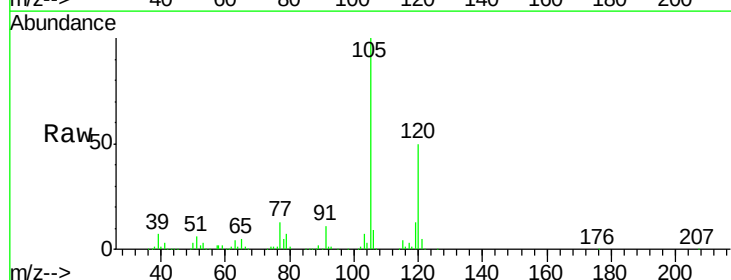
Acq: 24 Jun 2020 23:26

Tgt Ion: 105 Resp: 219995

Ion Ratio Lower Upper

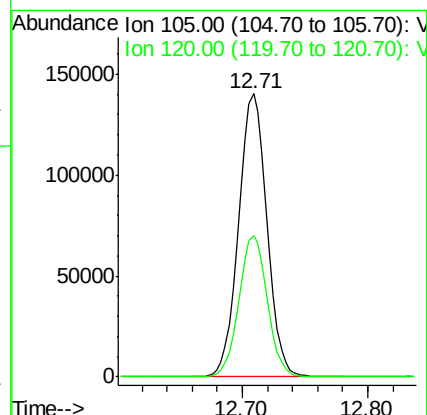
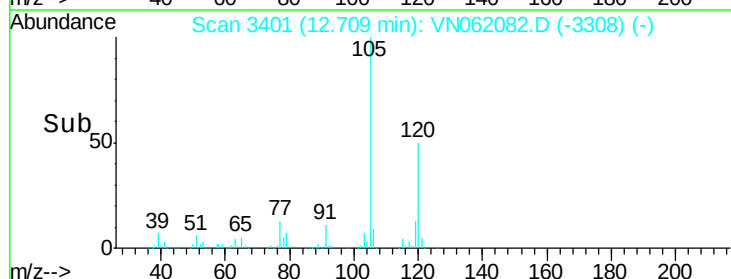
105 100

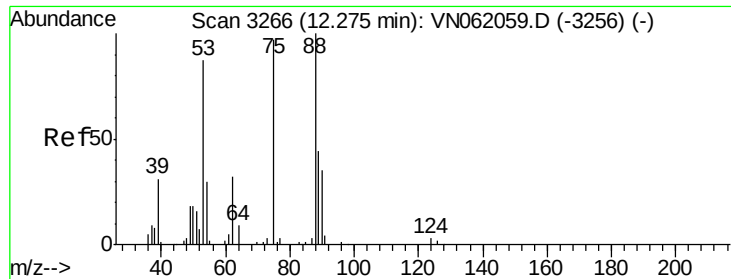
120 49.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062059.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN062059.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.035 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

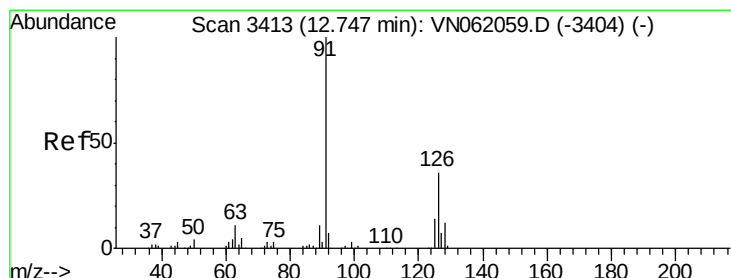
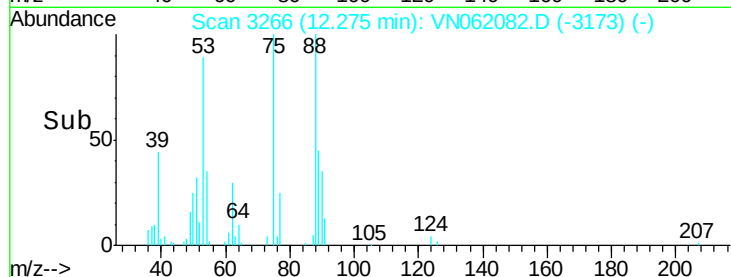
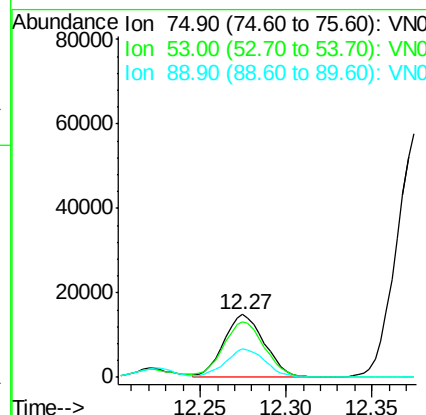
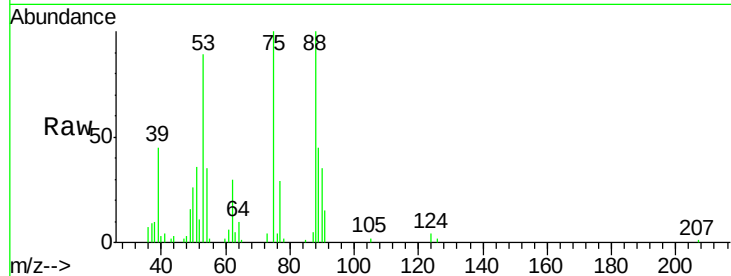
ClientSampleId :

VN0624WBS02

Tot Ion:	75	Resp:	24702
Ion	Ratio	Lower	Upper
75	100		
53	90.4	72.0	108.0
89	43.9	36.9	55.3

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#82

4-Chlorotoluene

Concen: 17.717 ug/l

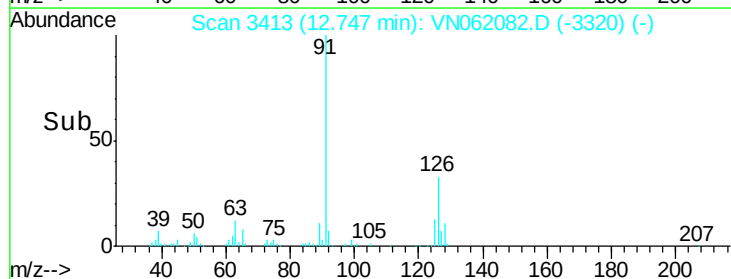
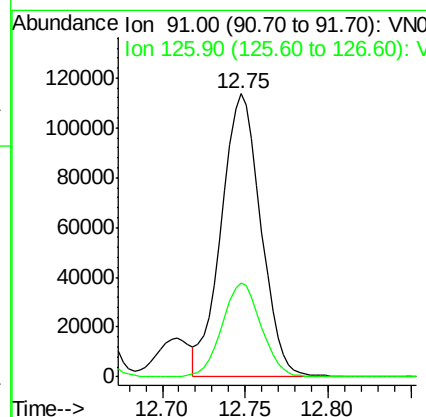
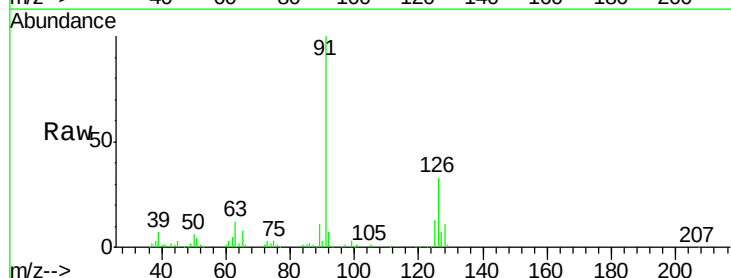
RT: 12.75 min Scan# 3413

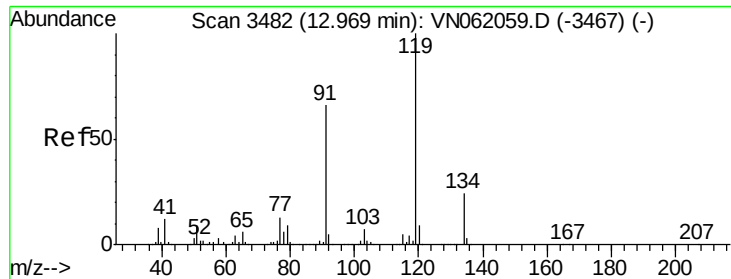
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	91	Resp:	187417
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.7	50.1





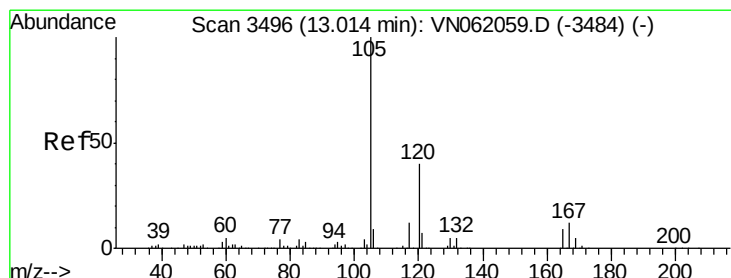
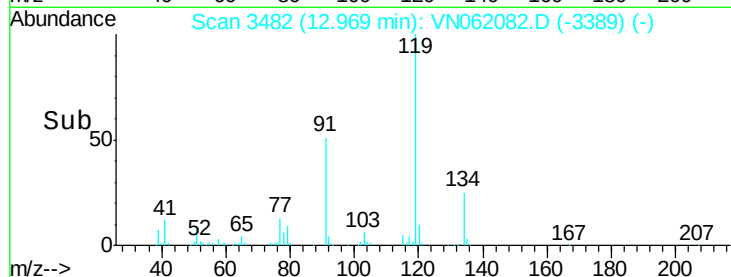
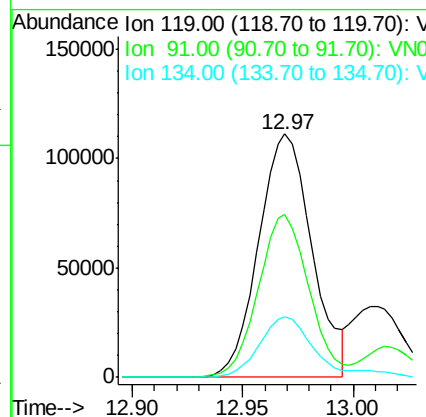
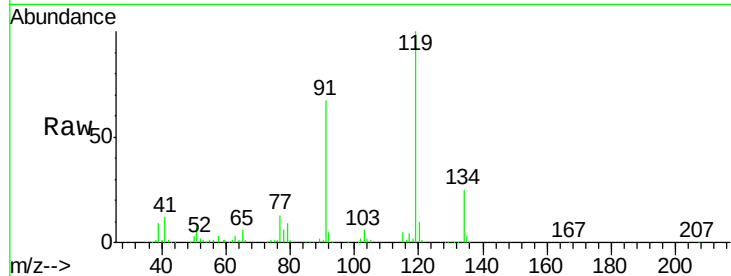
#83
 tert-Butylbenzene
 Concen: 18.134 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186108		
91	63.9	31.7	95.1	
134	24.5	13.1	39.1	

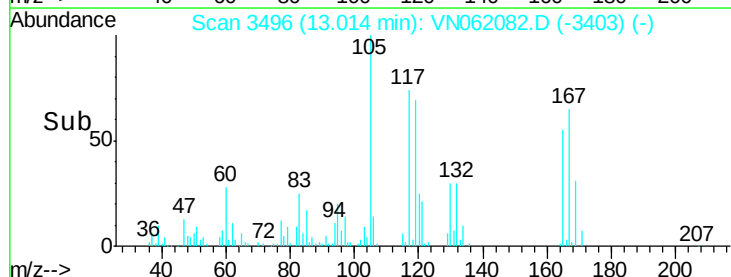
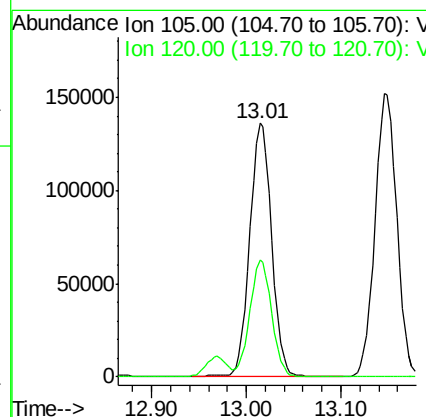
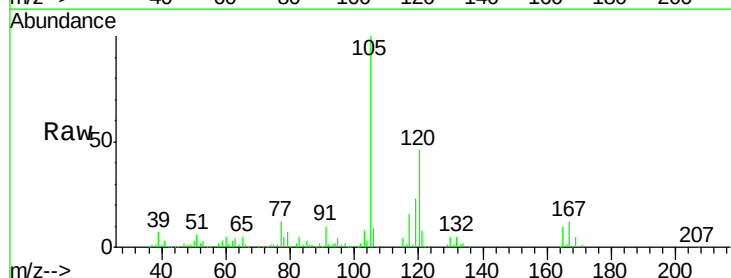
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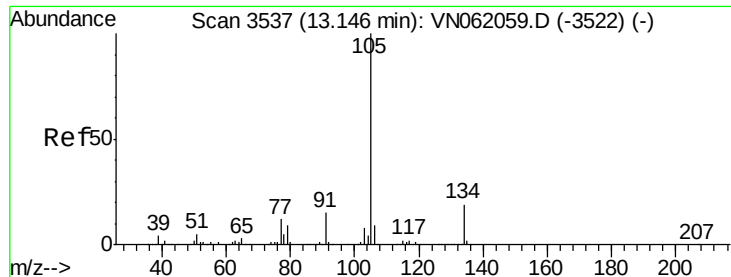
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.313 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219334		
120	45.8	23.2	69.5	





#85

sec-Butylbenzene

Concen: 17.891 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

ClientSampleId :

VN0624WBS02

Tot Ion:105 Resp: 242622

Ion Ratio Lower Upper

105 100

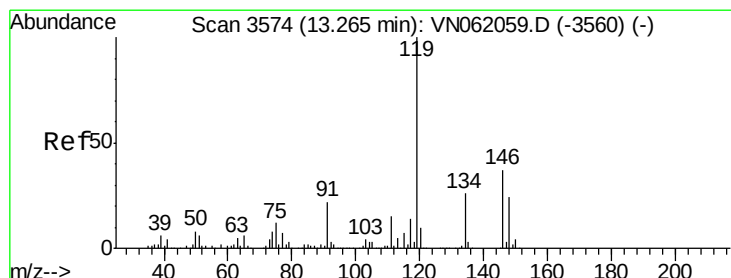
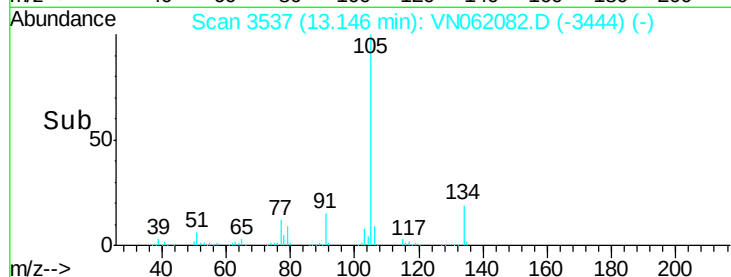
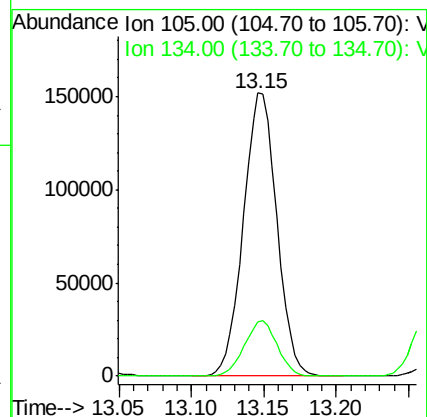
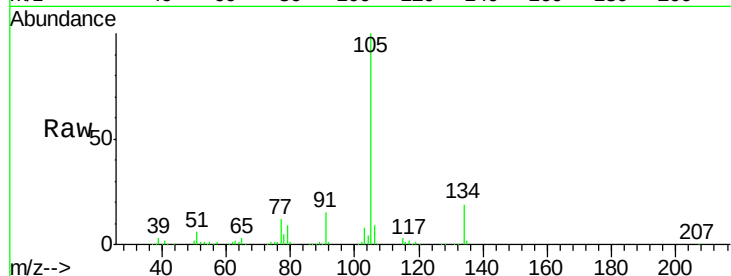
134 19.3 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 18.217 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

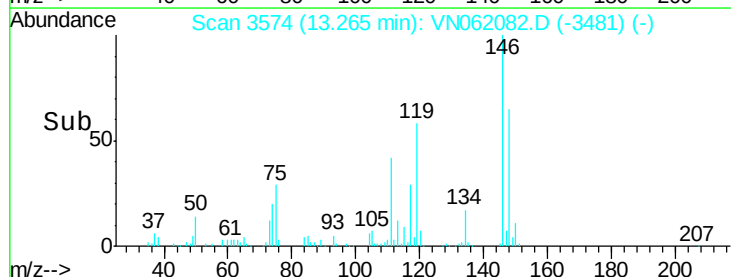
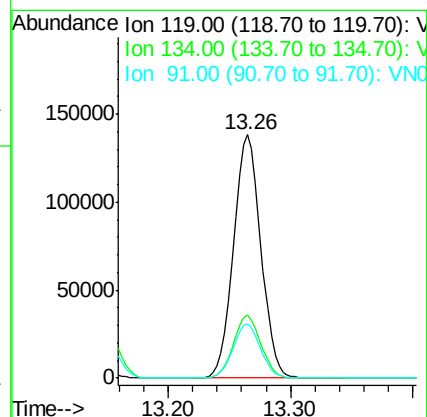
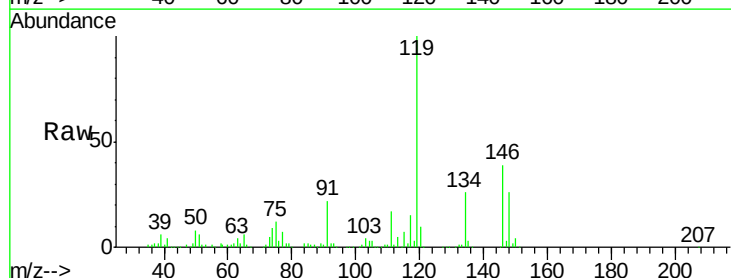
Tgt Ion:119 Resp: 216435

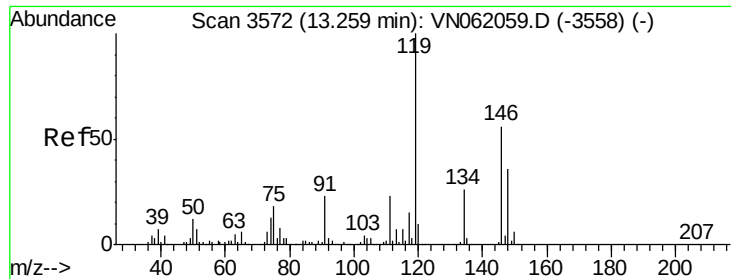
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 22.5 11.3 33.8





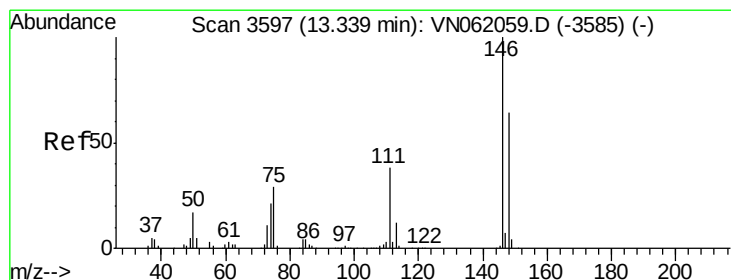
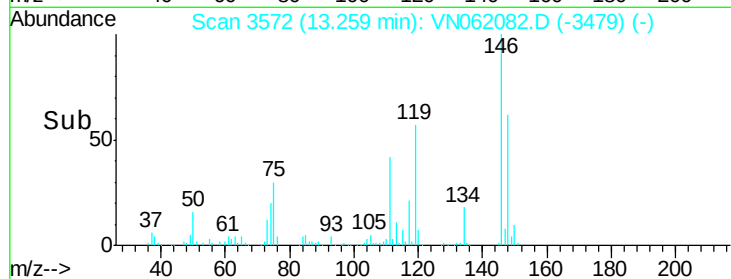
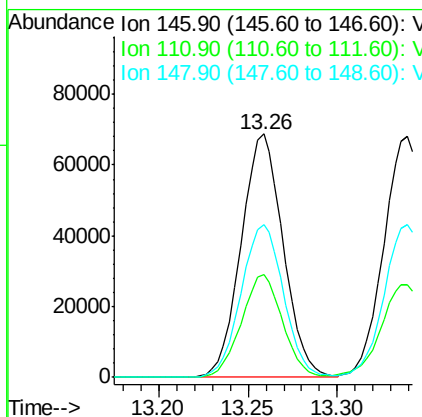
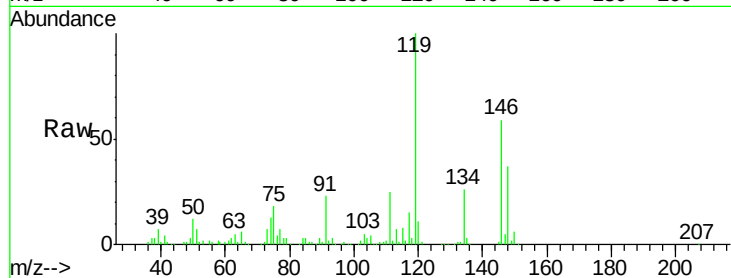
#87
 1,3-Dichlorobenzene
 Concen: 17.569 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	63.5	31.8	95.3

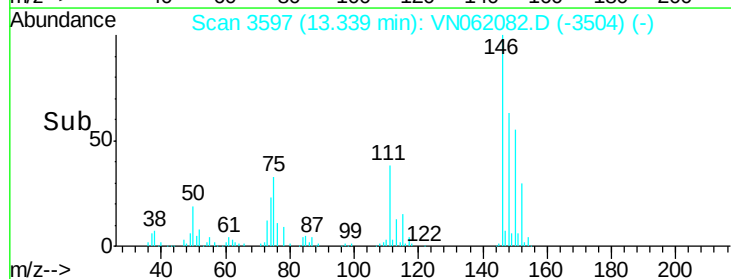
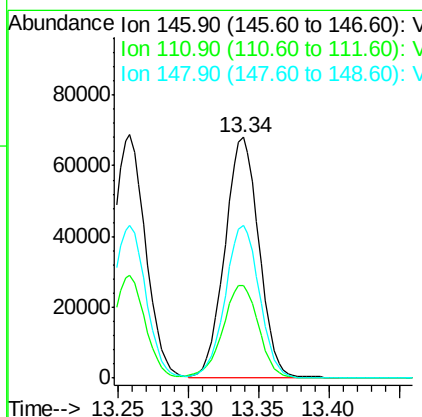
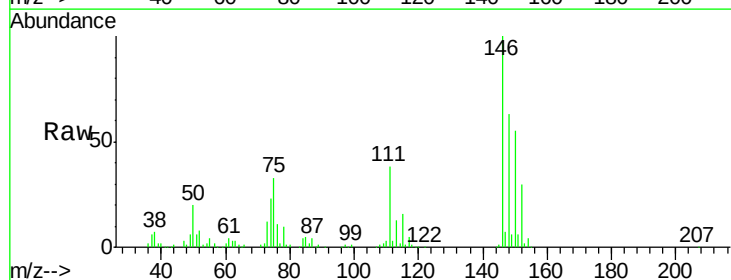
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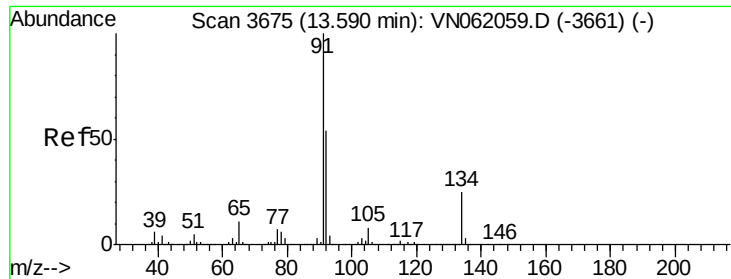
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#88
 1,4-Dichlorobenzene
 Concen: 17.323 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.6
148	63.2	31.9	95.9





#89

n-Butylbenzene

Concen: 17.222 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

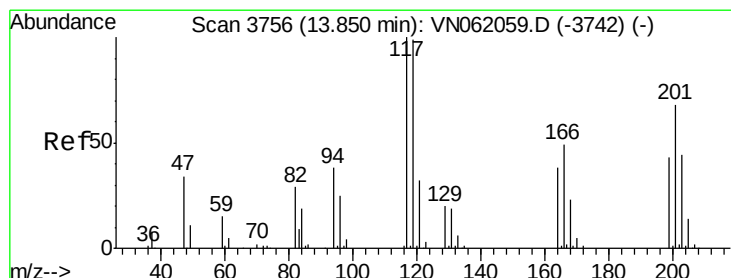
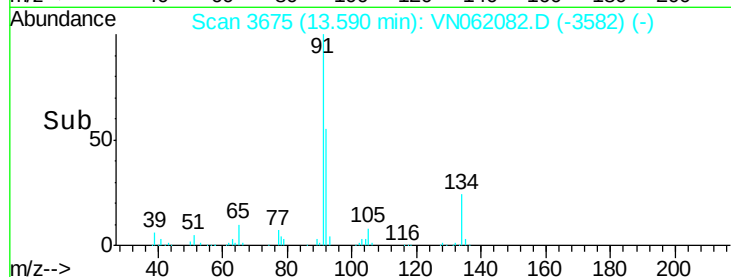
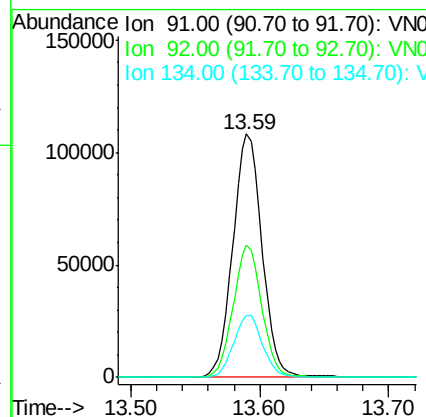
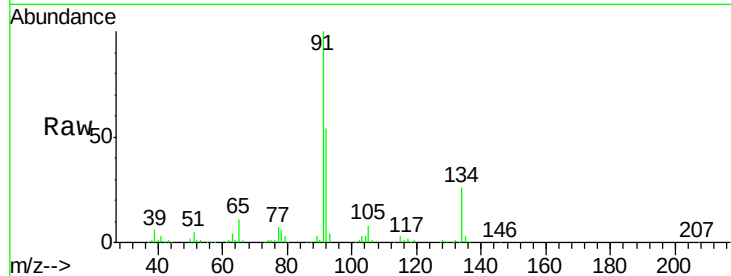
ClientSampled :

VN0624WBS02

Tot Ion:	91	Resp:	170113
Ion Ratio	Lower	Upper	
91	100		
92	53.2	26.6	79.7
134	25.1	12.3	36.9

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#90

Hexachloroethane

Concen: 17.335 ug/l

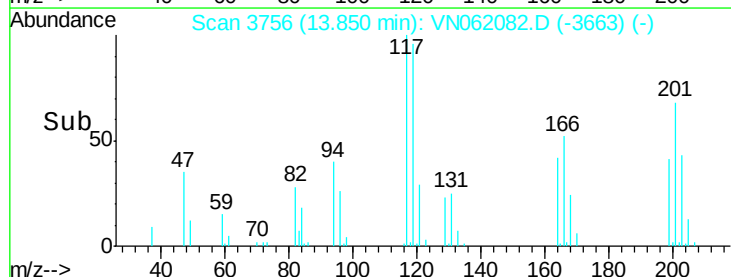
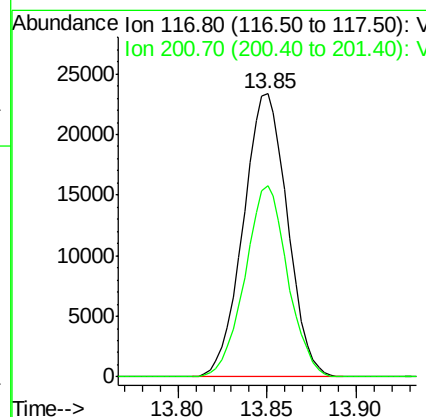
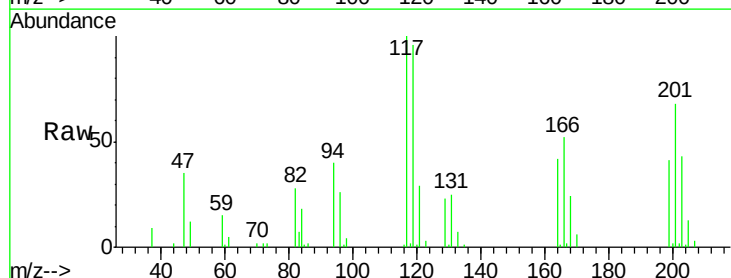
RT: 13.85 min Scan# 3756

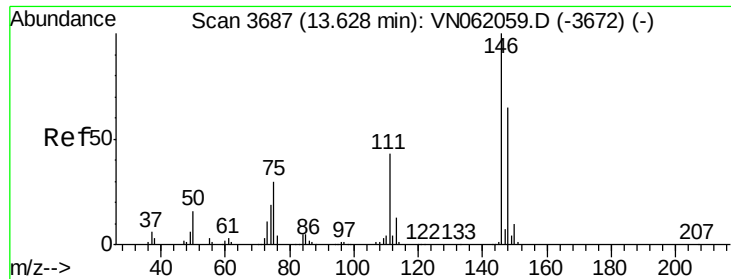
Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	117	Resp:	40409
Ion Ratio	Lower	Upper	
117	100		
201	65.0	32.7	98.1





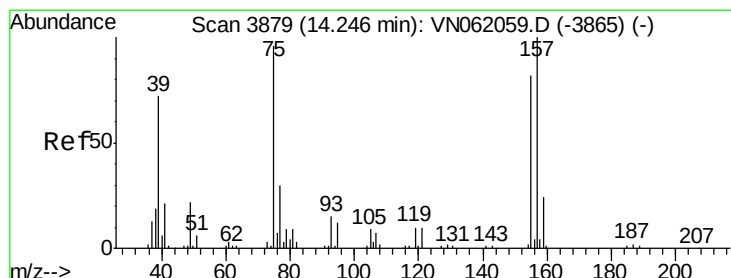
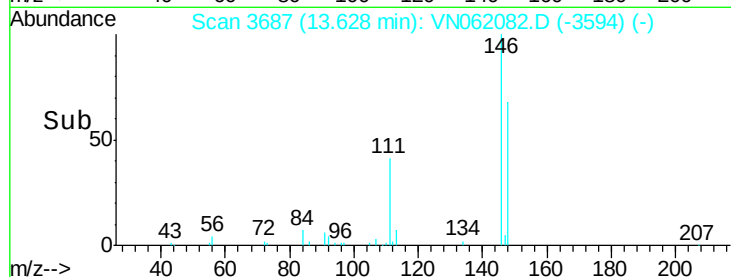
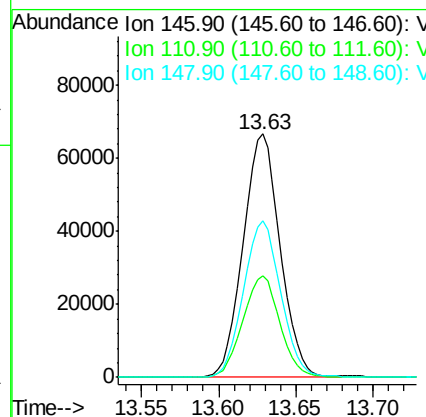
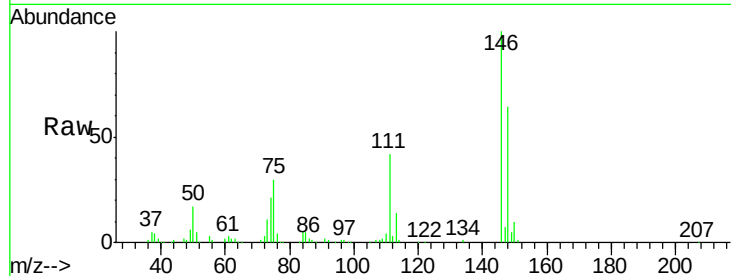
#91
 1,2-Dichlorobenzene
 Concen: 17.761 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.2	63.6
148	64.4	31.9	95.5

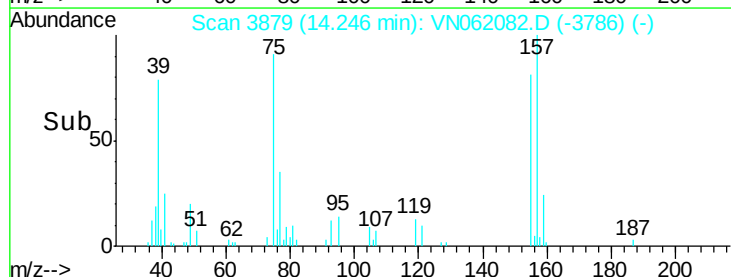
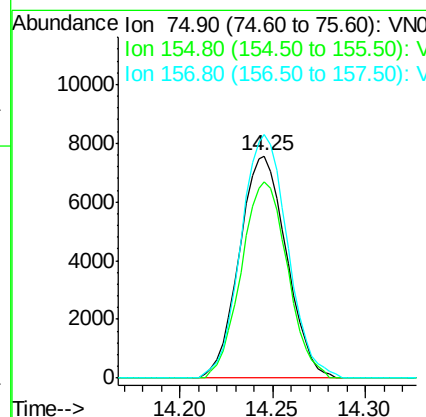
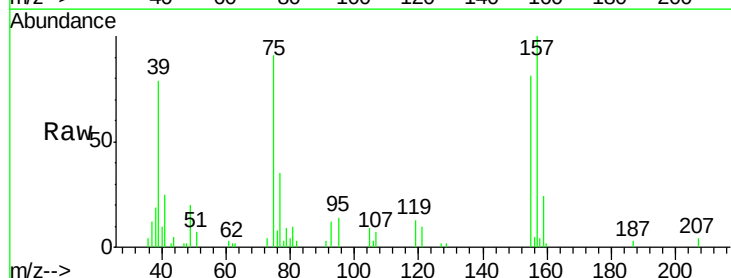
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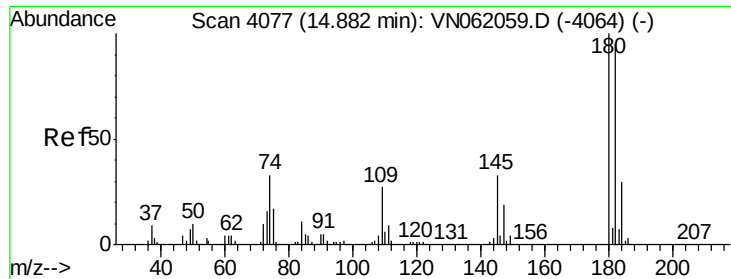
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.984 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	40.8	122.4
157	108.5	51.4	154.3





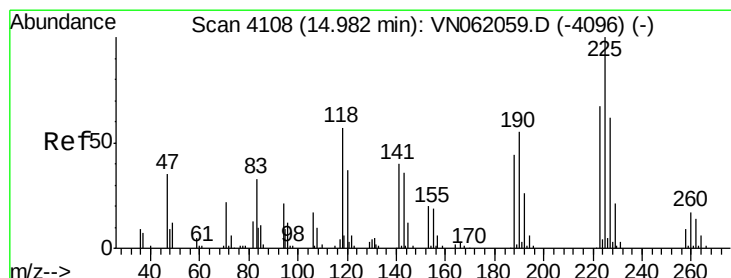
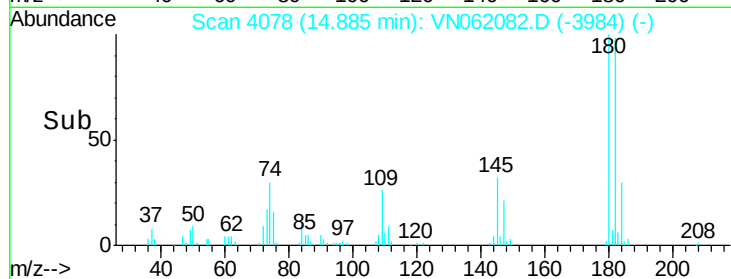
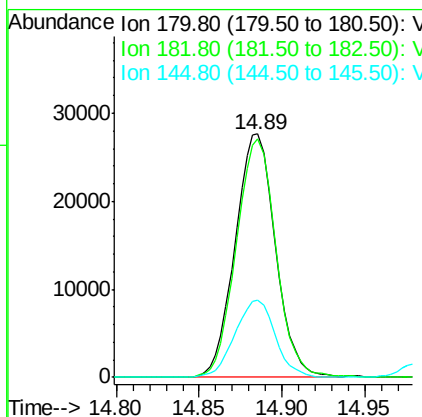
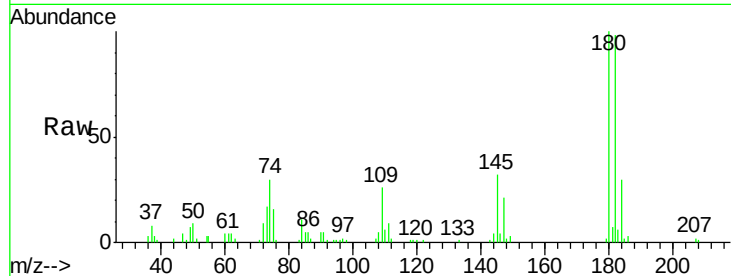
#93
 1,2,4-Trichlorobenzene
 Concen: 17.105 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.2
145	31.6	16.0	48.0

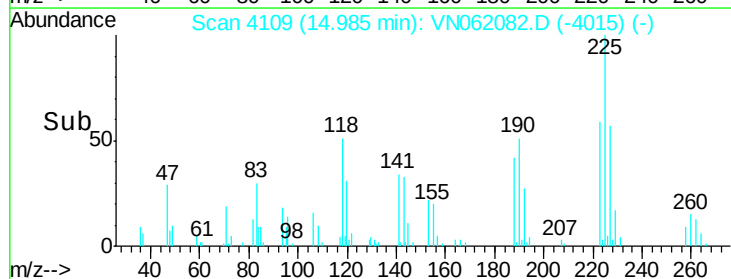
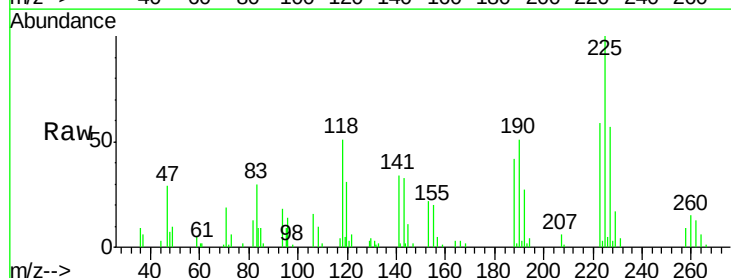
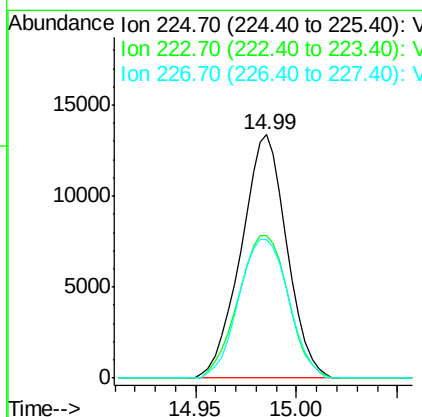
Manual Integrations
 APPROVED

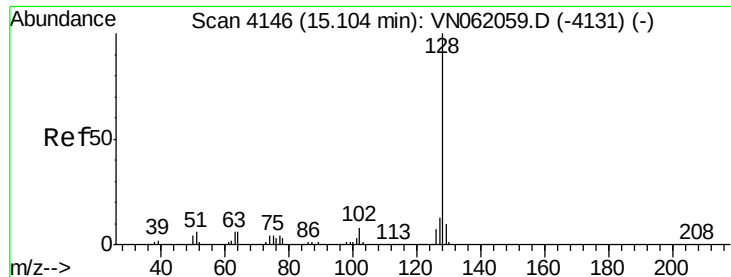
MMDadoda
 6/25/2020 6:10:49 PM



#94
 Hexachlorobutadiene
 Concen: 17.862 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062082.D
 Acq: 24 Jun 2020 23:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.9	98.7
227	62.2	31.3	93.8





#95

Naphthalene

Concen: 17.506 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Instrument :

MSVOA_N

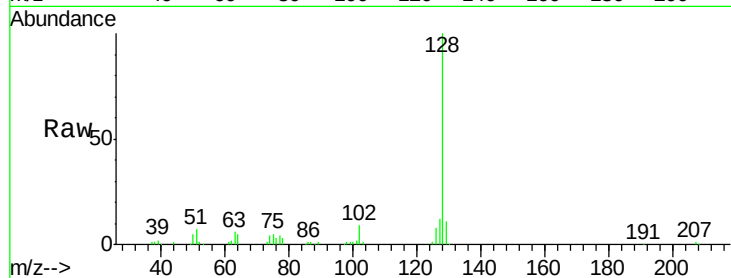
ClientSampleId :

VN0624WBS02

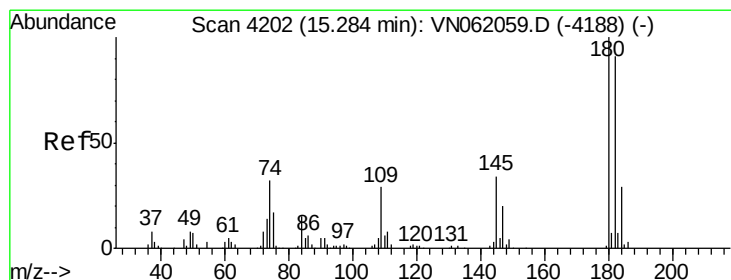
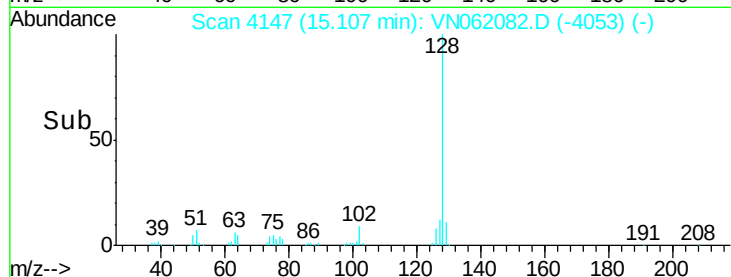
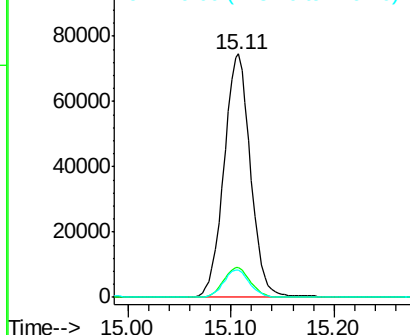
Tot Ion:	128	Resp:	133762
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.5	15.7
129	11.0	8.6	13.0

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



#96

1,2,3-Trichlorobenzene

Concen: 17.297 ug/l

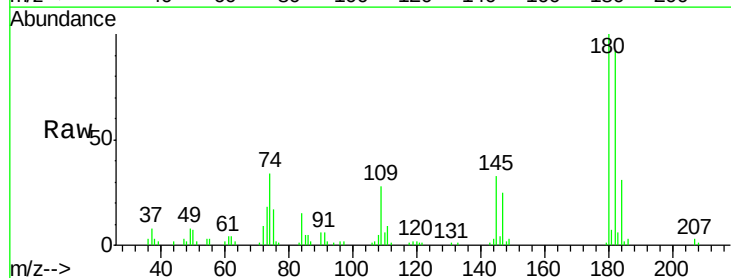
RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062082.D

Acq: 24 Jun 2020 23:26

Tgt Ion:	180	Resp:	48318
Ion Ratio	Lower	Upper	
180	100		
182	91.9	46.8	140.4
145	33.5	16.4	49.2



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

