

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061547.D
 Acq On : 28 May 2020 22:26
 Operator : JC/MD
 Sample : VN0528WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:50:24 PM

Quant Time: May 29 02:40:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	332175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	583792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	541474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	211645	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.96%		
35) Dibromofluoromethane	7.55	113	161406	54.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.00%		
50) Toluene-d8	10.06	98	693537	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.08%		
62) 4-Bromofluorobenzene	12.38	95	244461	48.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	73076	19.764	ug/l	98
3) Chloromethane	2.03	50	79998	19.745	ug/l	100
4) Vinyl Chloride	2.16	62	111281	20.043	ug/l	100
5) Bromomethane	2.54	94	65182	20.460	ug/l	98
6) Chloroethane	2.67	64	71258	19.940	ug/l	100
7) Trichlorofluoromethane	2.98	101	139603	19.499	ug/l	98
8) Diethyl Ether	3.37	74	41839	19.111	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	61300	19.295	ug/l	97
10) Methyl Iodide	3.91	142	86074	19.516	ug/l	98
11) Tert butyl alcohol	4.73	59	49629	94.278	ug/l	100
12) 1,1-Dichloroethene	3.69	96	62845	18.515	ug/l	99
13) Acrolein	3.57	56	15417	80.296	ug/l	93
14) Allyl chloride	4.27	41	83059	18.718	ug/l	99
15) Acrylonitrile	4.93	53	138305	94.128	ug/l	99
16) Acetone	3.78	43	110175	97.221	ug/l	96
17) Carbon Disulfide	4.01	76	152435	20.413	ug/l	97
18) Methyl Acetate	4.27	43	66853	18.660	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	214482	18.541	ug/l	99
20) Methylene Chloride	4.50	84	70835	18.599	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	70934	18.531	ug/l	97
22) Diisopropyl ether	5.90	45	185038	18.919	ug/l	93
23) Vinyl Acetate	5.84	43	738184	94.698	ug/l	100
24) 1,1-Dichloroethane	5.80	63	117206	18.898	ug/l	98
25) 2-Butanone	6.79	43	172081	91.745	ug/l	99
26) 2,2-Dichloropropane	6.77	77	92421	16.282	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	83419	19.246	ug/l	97
28) Bromochloromethane	7.15	49	46817	19.250	ug/l	95
29) Tetrahydrofuran	7.17	42	115427	93.325	ug/l	100
30) Chloroform	7.33	83	128602	18.743	ug/l	99
31) Cyclohexane	7.61	56	105977	19.000	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	117800	18.842	ug/l	98
36) 1,1-Dichloropropene	7.75	75	94991	18.380	ug/l	99
37) Ethyl Acetate	6.88	43	76257	18.320	ug/l	98
38) Carbon Tetrachloride	7.73	117	90982	18.251	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	115829	18.183	ug/l	96
40) Benzene	8.00	78	287150	18.008	ug/l	100
41) Methacrylonitrile	7.12	41	32271	16.921	ug/l	94
42) 1,2-Dichloroethane	8.09	62	97927	18.344	ug/l	99
43) Isopropyl Acetate	8.13	43	133069	17.769	ug/l #	91
44) Trichloroethene	8.80	130	87863	17.929	ug/l	99
45) 1,2-Dichloropropane	9.08	63	69151	18.263	ug/l	95
46) Dibromomethane	9.18	93	52916	18.222	ug/l	95
47) Bromodichloromethane	9.37	83	104033	18.082	ug/l	98
48) Methyl methacrylate	9.17	41	57709	17.128	ug/l	99
49) 1,4-Dioxane	9.17	88	17754	340.133	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	378836	89.768	ug/l	98
52) Toluene	10.12	92	189825	18.239	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	109122	17.606	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	118234	17.742	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	75850	18.293	ug/l	95
56) Ethyl methacrylate	10.40	69	103594	17.885	ug/l	98
57) 1,3-Dichloropropane	10.68	76	120204	18.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	224091	90.531	ug/l	100
59) 2-Hexanone	10.72	43	266253	87.849	ug/l	98
60) Dibromochloromethane	10.87	129	81579	17.306	ug/l	100
61) 1,2-Dibromoethane	10.98	107	77968	18.029	ug/l	100
64) Tetrachloroethene	10.60	164	88708	17.404	ug/l	97
65) Chlorobenzene	11.41	112	204702	18.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	72572	17.317	ug/l	95
67) Ethyl Benzene	11.48	91	356878	18.345	ug/l	99
68) m/p-Xylenes	11.60	106	281591	36.507	ug/l	100
69) o-Xylene	11.92	106	134459	18.353	ug/l	99
70) Styrene	11.94	104	217803	17.952	ug/l	97
71) Bromoform	12.10	173	52788	16.346	ug/l #	99
73) Isopropylbenzene	12.22	105	354628	18.981	ug/l	99
74) N-amyl acetate	12.05	43	109408	18.595	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	97110	18.548	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	83558m	17.951	ug/l	
77) Bromobenzene	12.50	156	87307	18.307	ug/l	95
78) n-propylbenzene	12.57	91	392062	18.797	ug/l	100
79) 2-Chlorotoluene	12.65	91	233575	18.781	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	294989	18.890	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30494	16.753	ug/l	95
82) 4-Chlorotoluene	12.75	91	241968	18.493	ug/l	97
83) tert-Butylbenzene	12.97	119	252373	18.291	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	293463	18.917	ug/l	100
85) sec-Butylbenzene	13.15	105	334422	18.810	ug/l	98
86) p-Isopropyltoluene	13.26	119	303581	18.542	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	155829	18.452	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	156549	18.196	ug/l	98
89) n-Butylbenzene	13.59	91	255802	18.653	ug/l	99
90) Hexachloroethane	13.85	117	34227	18.902	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	151417	18.762	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19336	18.108	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	84799	17.966	ug/l	99
94) Hexachlorobutadiene	14.98	225	34814	17.294	ug/l	99
95) Naphthalene	15.10	128	275873	19.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	84882	18.291	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: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion:168 Resp: 332175

Ion Ratio Lower Upper

168 100

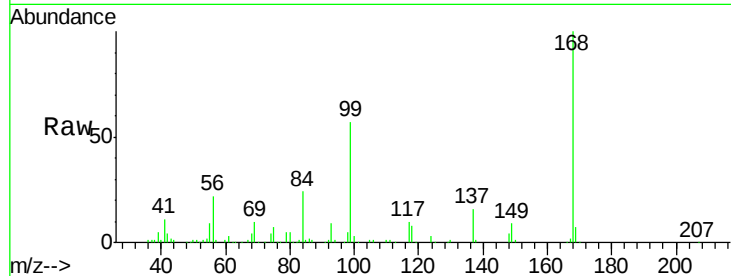
99 56.5 45.0 67.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

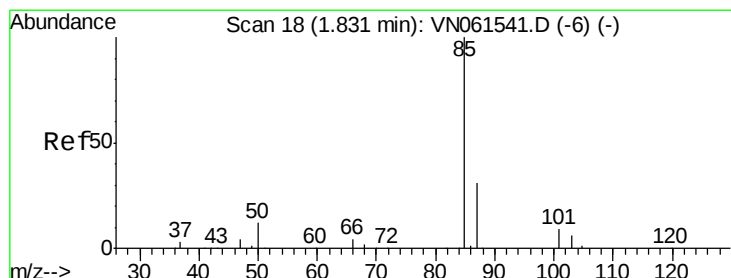
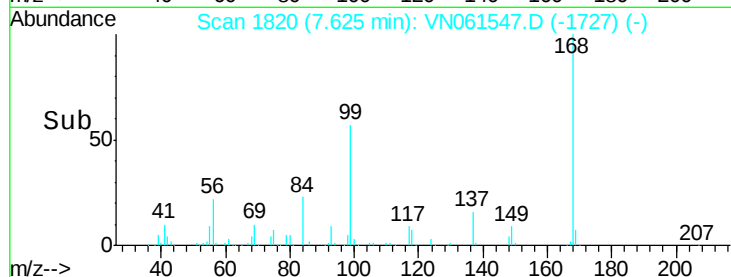
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.764 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061547.D

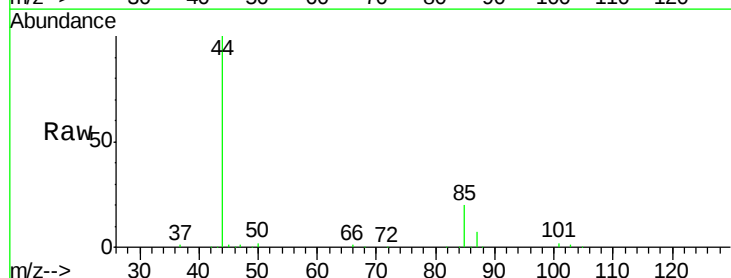
Acq: 28 May 2020 22:26

Tgt Ion: 85 Resp: 73076

Ion Ratio Lower Upper

85 100

87 32.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

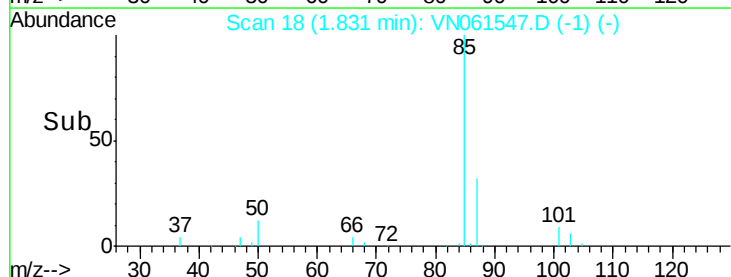
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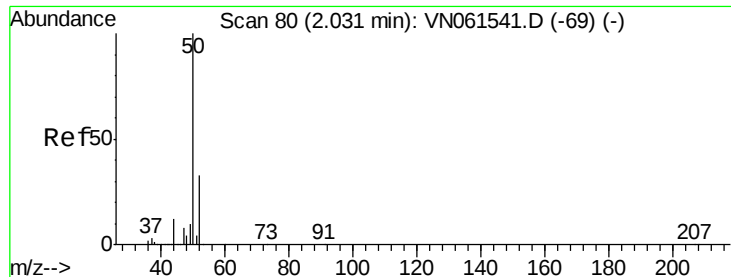
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0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.745 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

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ClientSampleId :

VN0528WBSD01

Tot Ion: 50 Resp: 79998

Ion Ratio Lower Upper

50 100

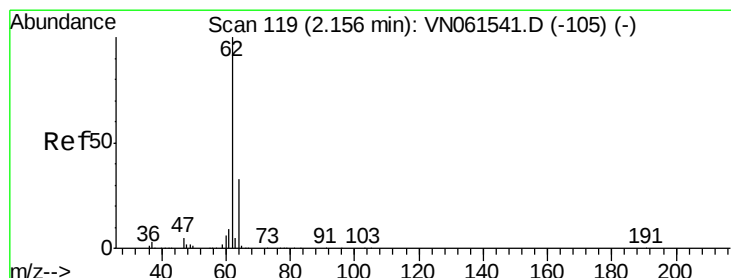
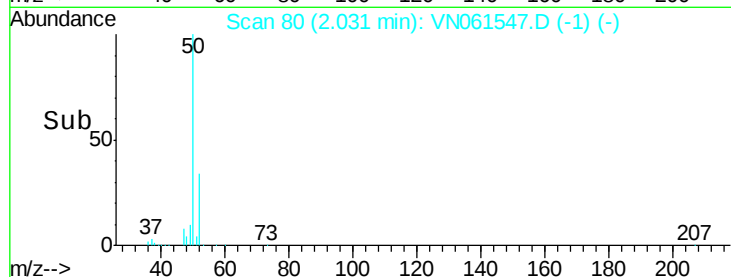
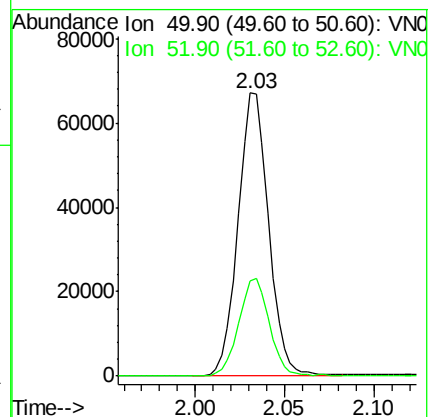
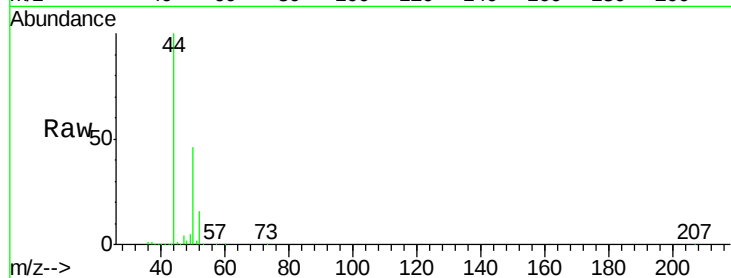
52 33.6 26.7 40.1

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#4

Vinyl Chloride

Concen: 20.043 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061547.D

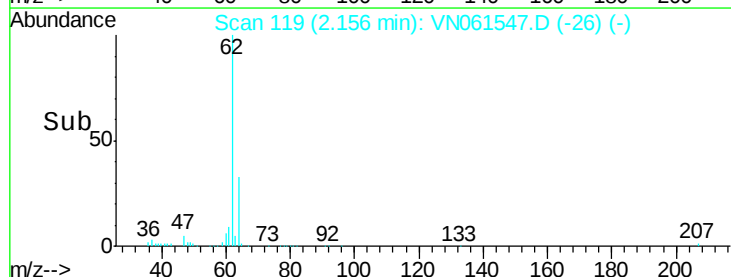
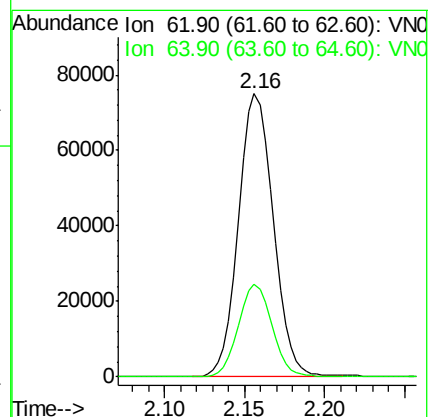
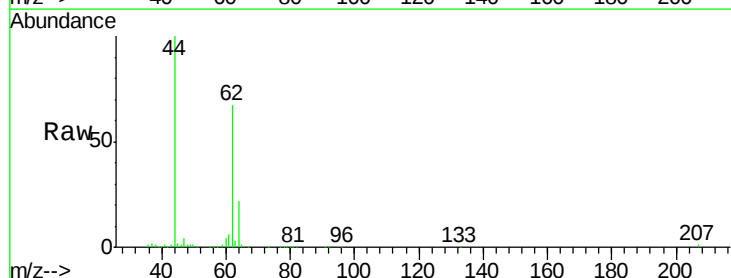
Acq: 28 May 2020 22:26

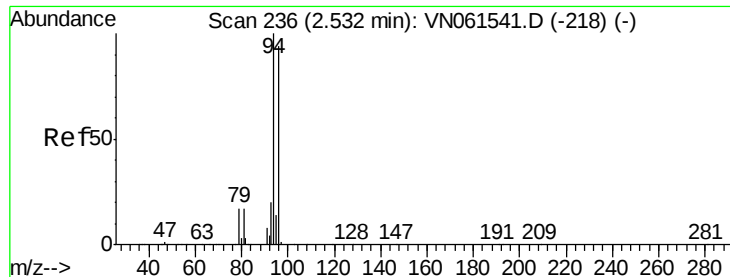
Tgt Ion: 62 Resp: 111281

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2





#5

Bromomethane

Concen: 20.460 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 65182

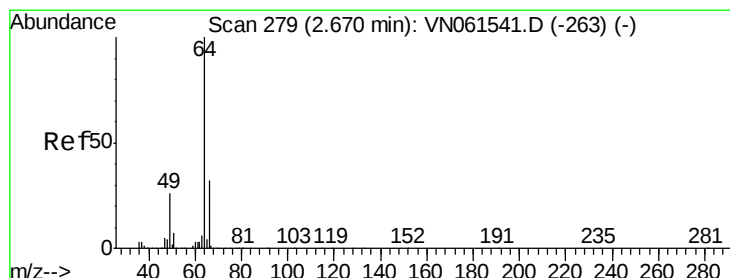
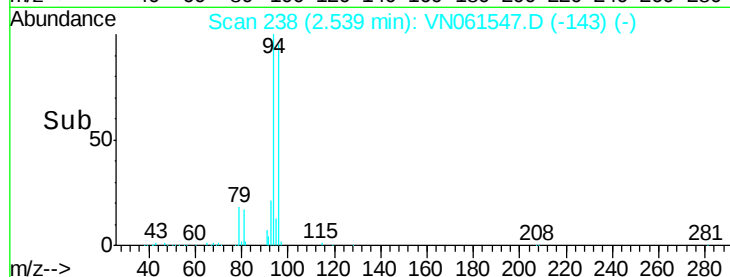
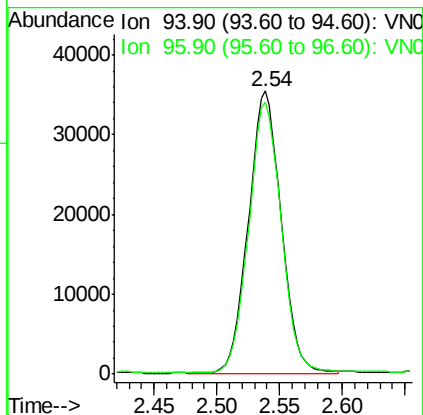
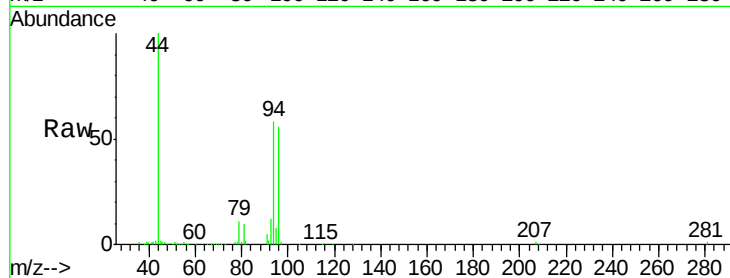
Ion Ratio Lower Upper

94 100

96 95.3 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 19.940 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061547.D

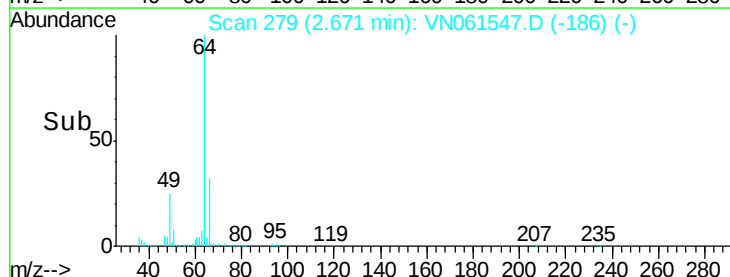
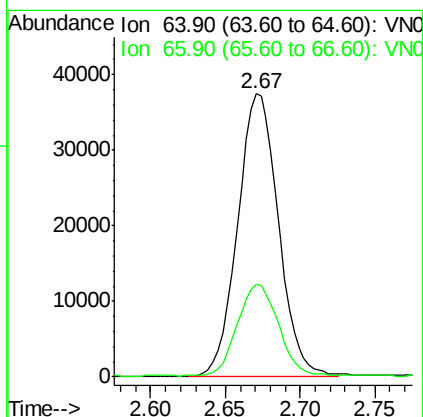
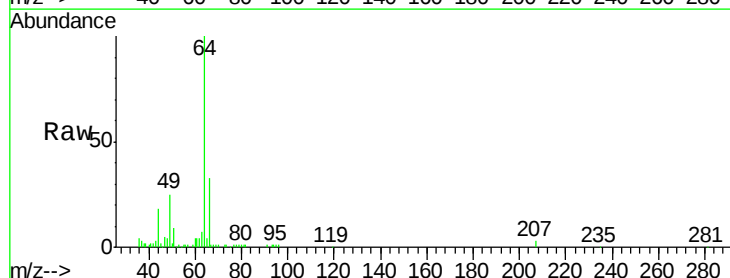
Acq: 28 May 2020 22:26

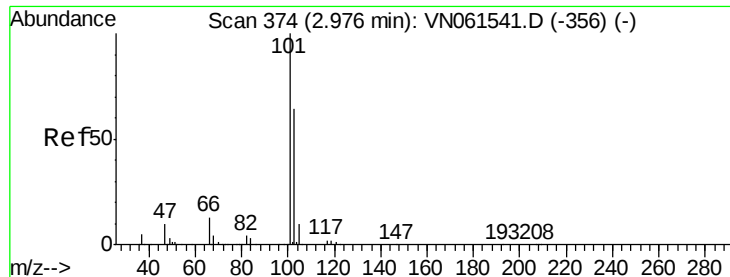
Tgt Ion: 64 Resp: 71258

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

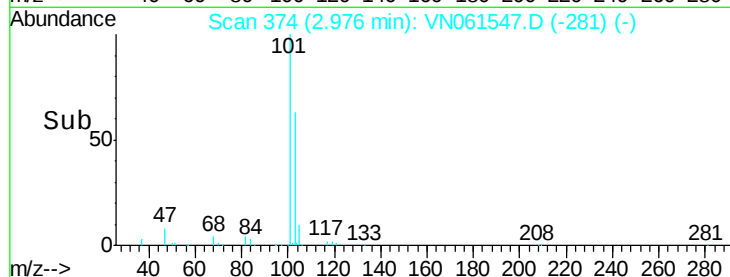
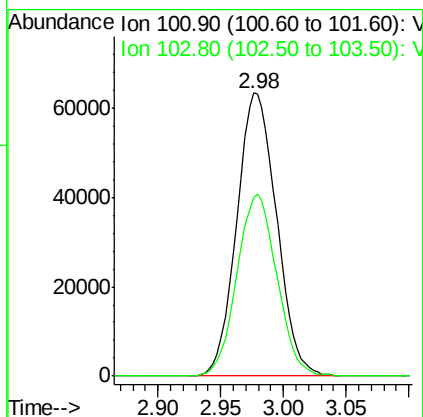
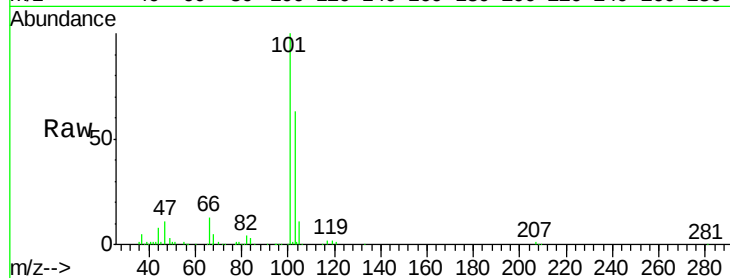
Trichlorofluoromethane
 Concen: 19.499 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061547.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	139603		
103	62.8	51.4	77.2	

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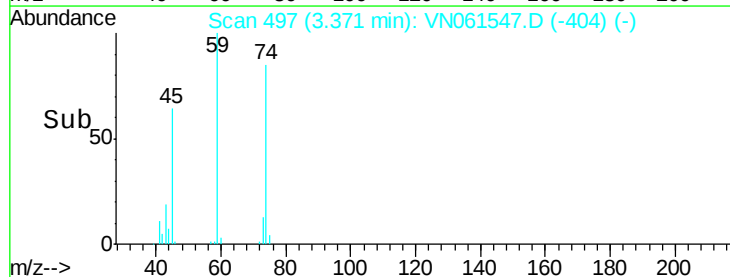
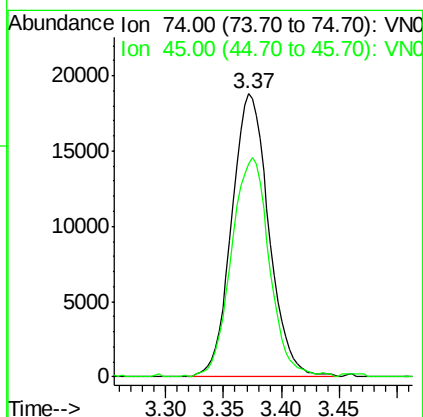
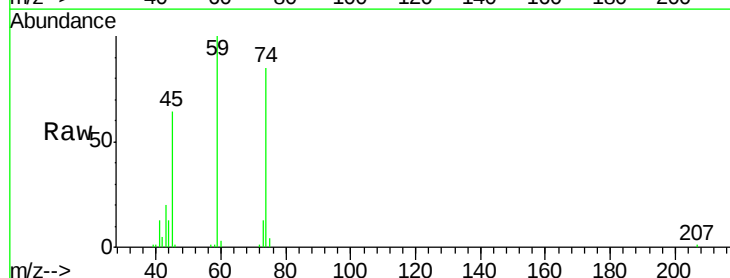
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#8

Diethyl Ether
 Concen: 19.111 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41839		
45	79.3	39.9	119.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.295 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

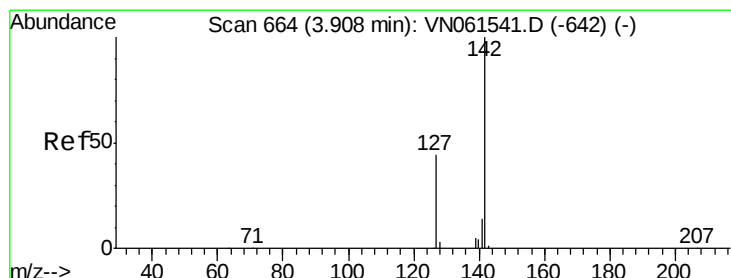
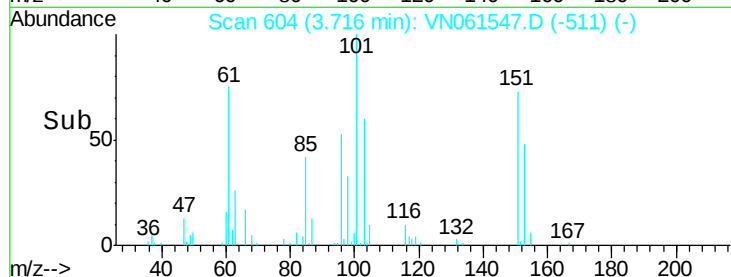
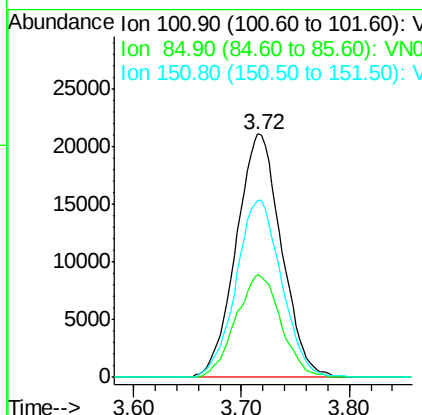
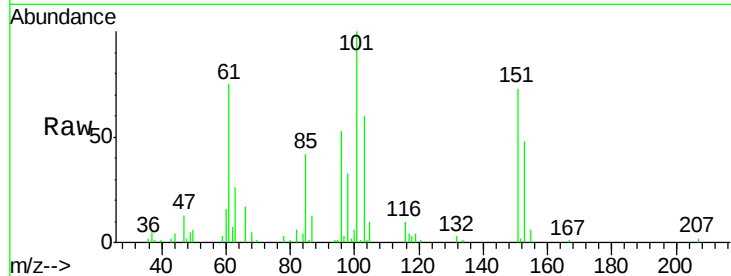
ClientSampleId :

VN0528WBSD01

Tot Ion:	101	Resp:	61300
Ion Ratio	Lower	Upper	
101	100		
85	42.1	35.2	52.8
151	73.3	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.516 ug/l

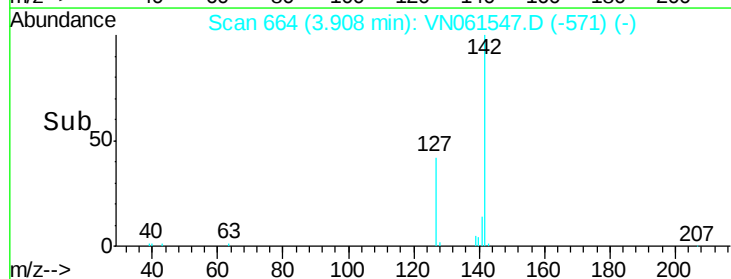
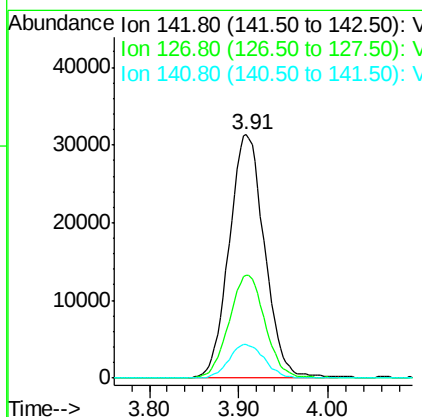
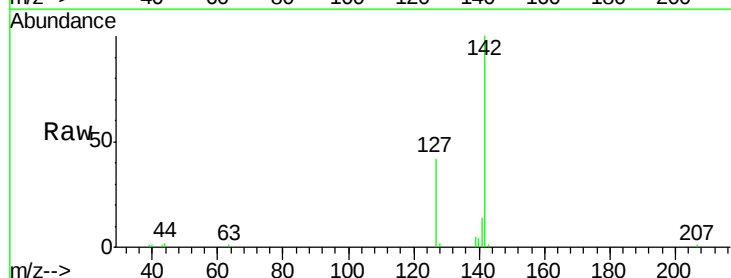
RT: 3.91 min Scan# 664

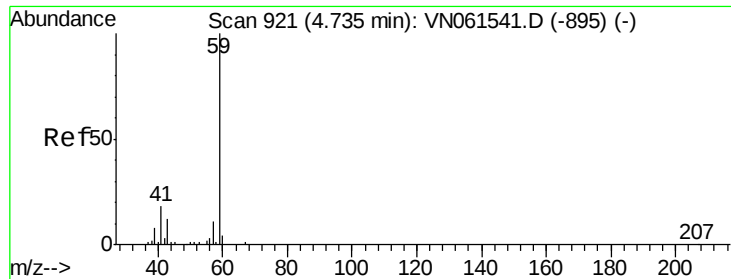
Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion:	142	Resp:	86074
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.5	53.3
141	13.7	11.5	17.3





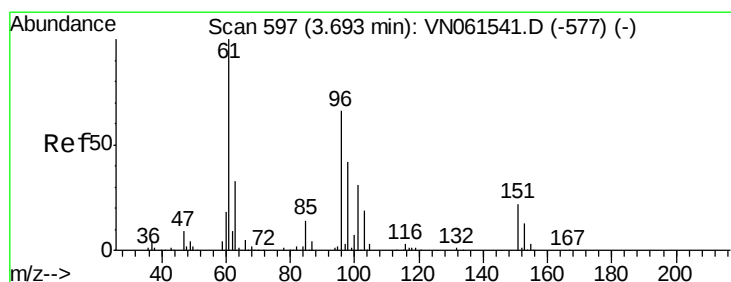
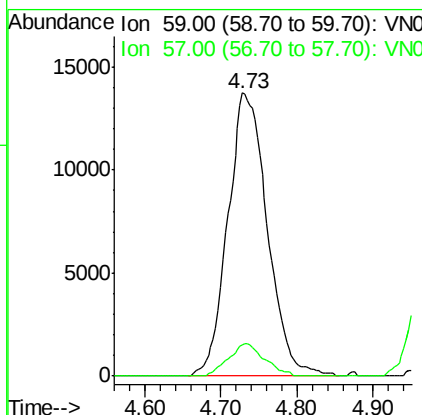
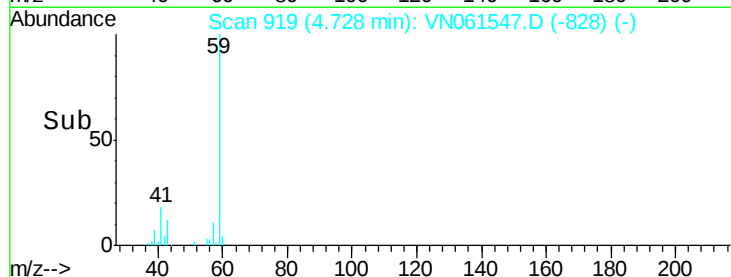
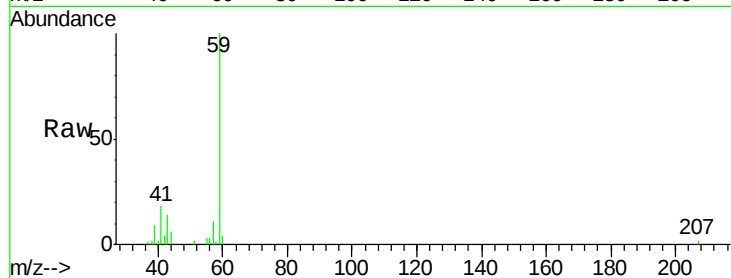
#11
Tert butyl alcohol
Concen: 94.278 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	59	Resp	49629
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

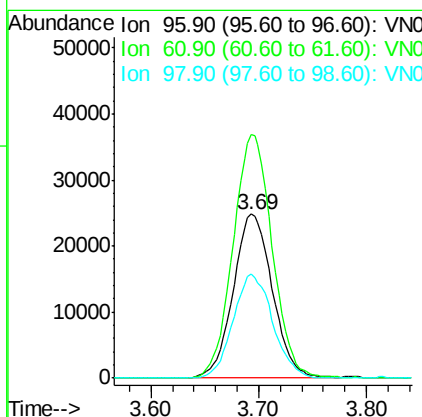
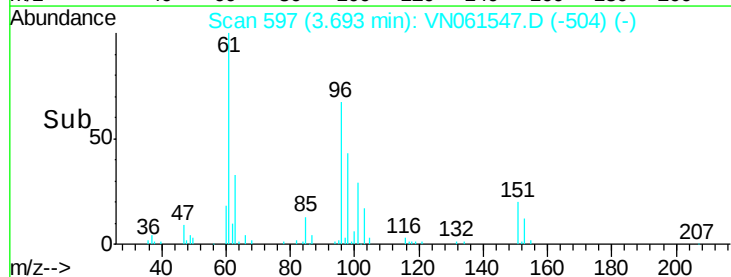
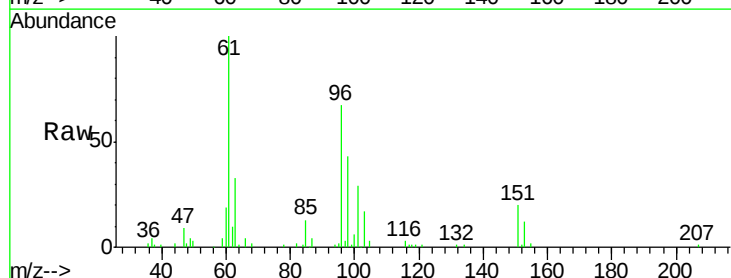
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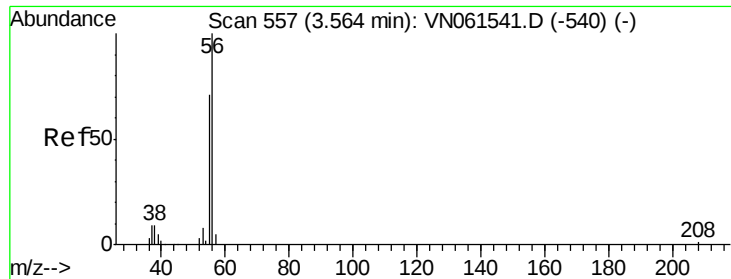
MMDadoda
5/29/2020 5:50:24 PM



#12
1,1-Dichloroethene
Concen: 18.515 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	96	Resp	62845
Ion Ratio	100	Lower	Upper
61	148.7	120.5	180.7
98	63.4	50.8	76.2





#13

Acrolein

Concen: 80.296 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 56 Resp: 15417

Ion Ratio Lower Upper

56 100

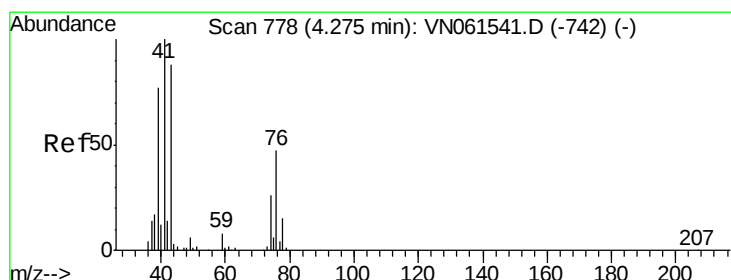
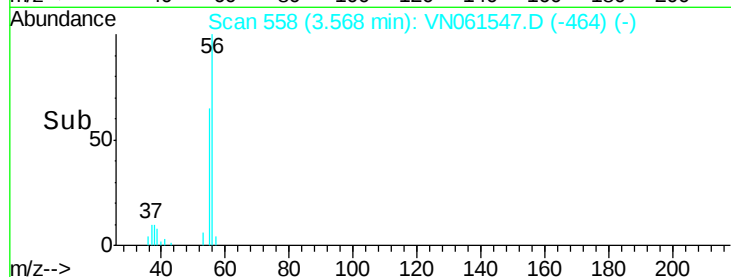
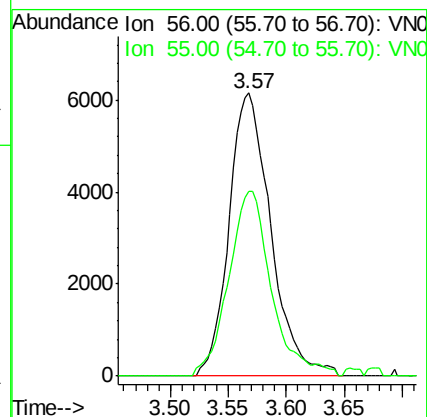
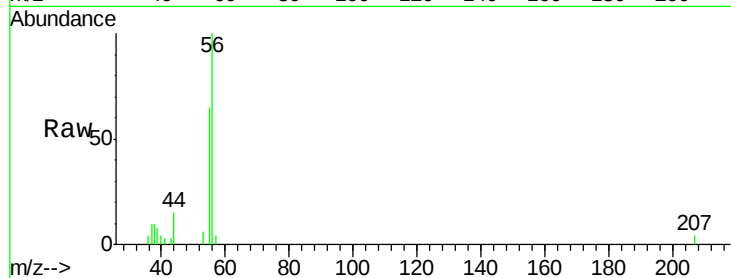
55 66.6 58.0 87.0

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#14

Allyl chloride

Concen: 18.718 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

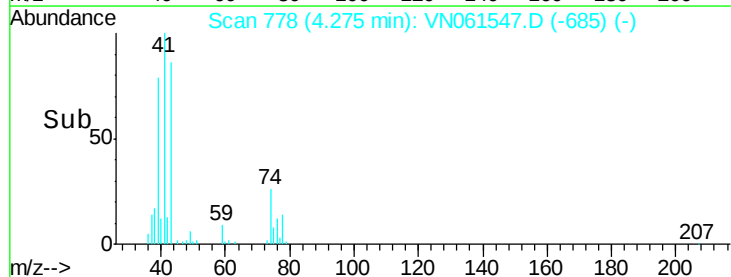
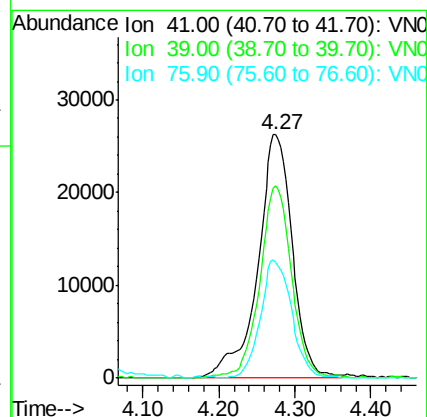
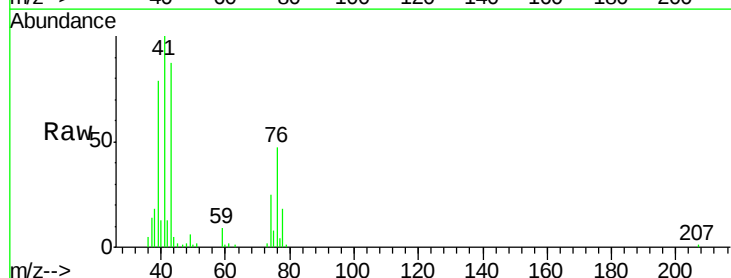
Tgt Ion: 41 Resp: 83059

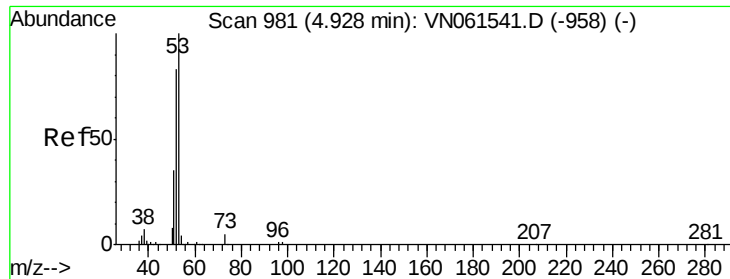
Ion Ratio Lower Upper

41 100

39 72.5 58.6 88.0

76 43.6 34.2 51.4





#15

Acrylonitrile

Concen: 94.128 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

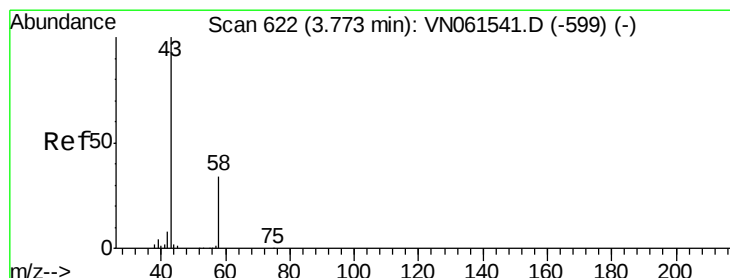
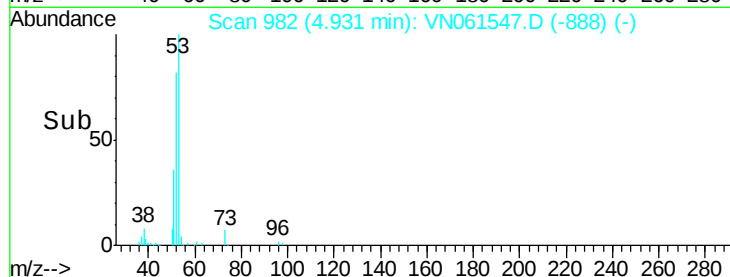
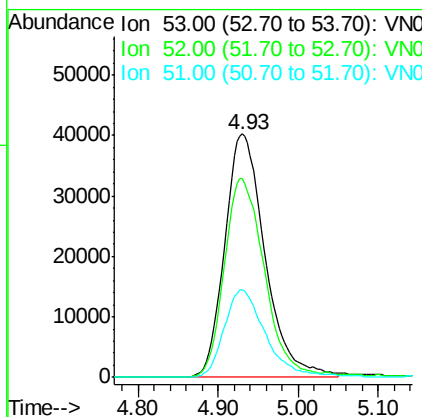
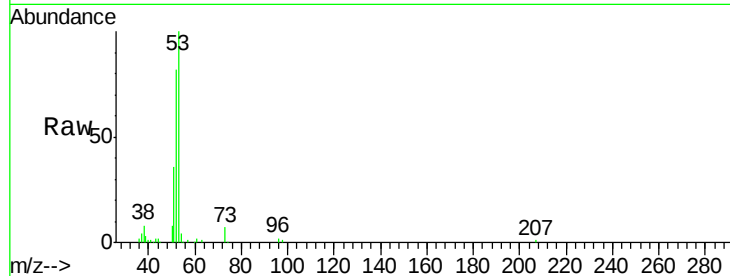
ClientSampleId :

VN0528WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		138305		
52	80.9	65.4	98.2		
51	36.9	29.0	43.6		

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#16

Acetone

Concen: 97.221 ug/l

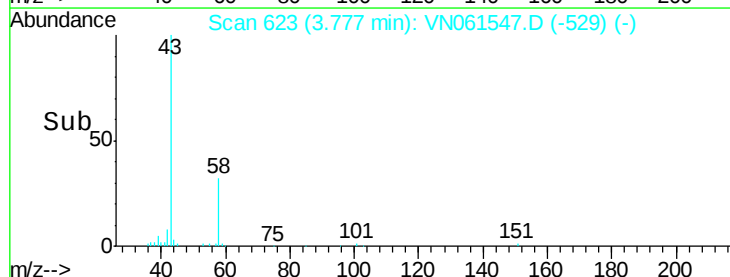
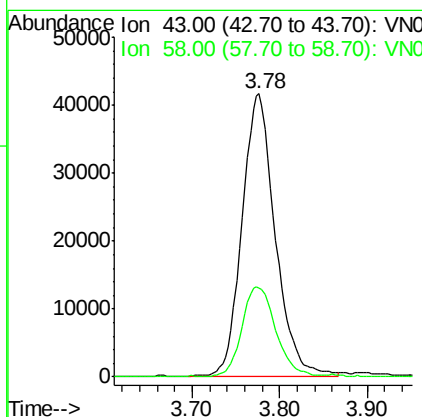
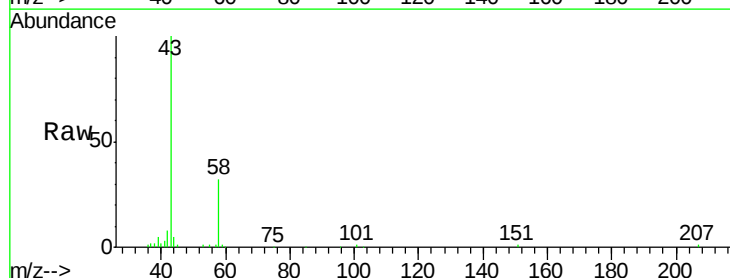
RT: 3.78 min Scan# 623

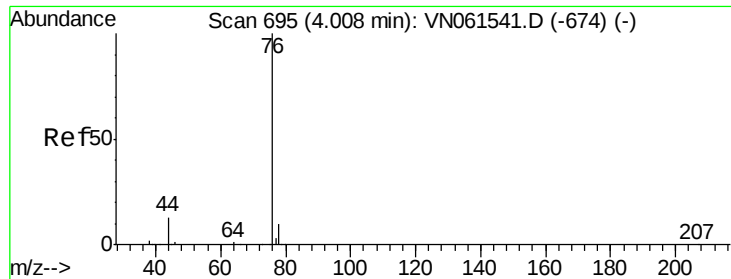
Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		110175		
58	31.6	27.2	40.8		





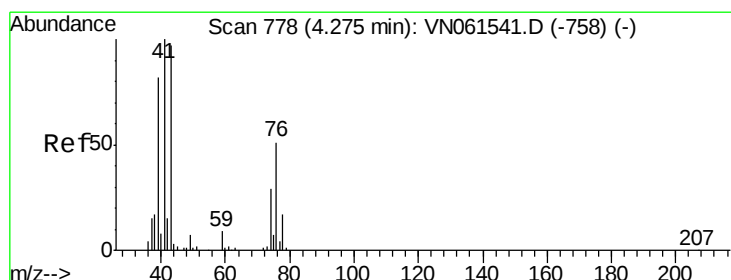
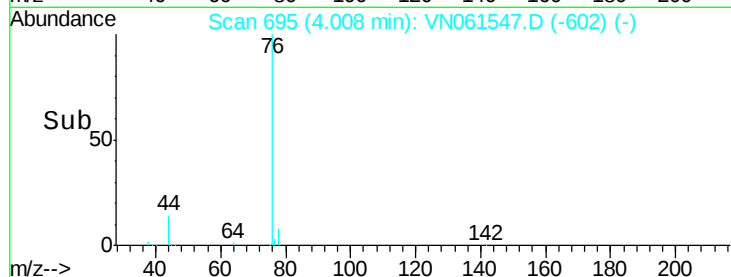
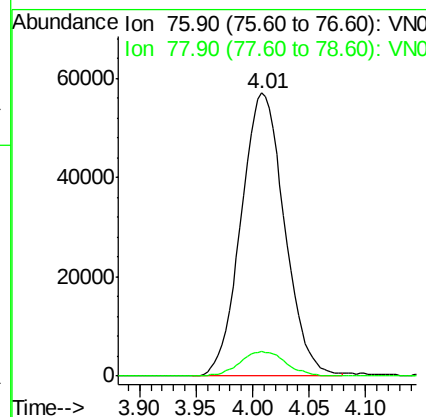
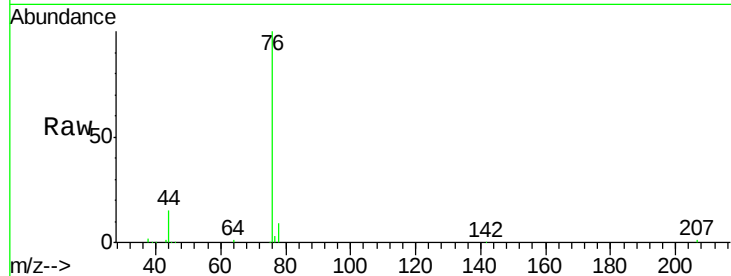
#17
Carbon Disulfide
Concen: 20.413 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.8	11.6

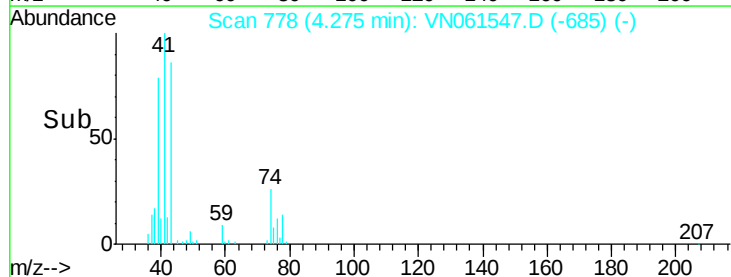
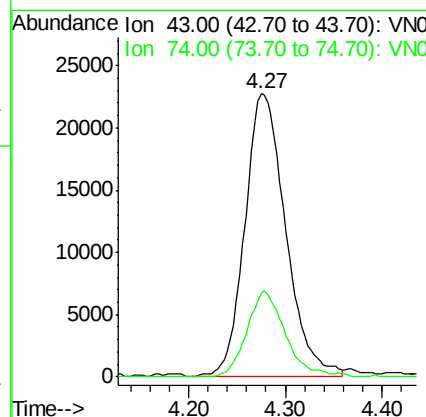
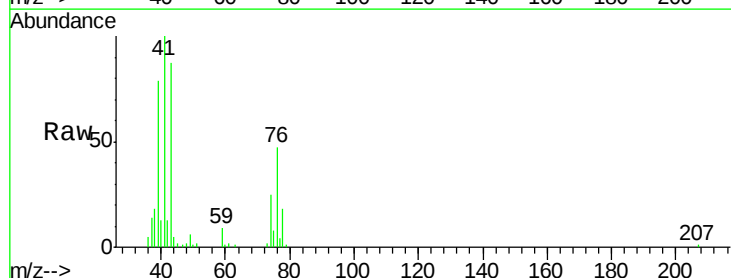
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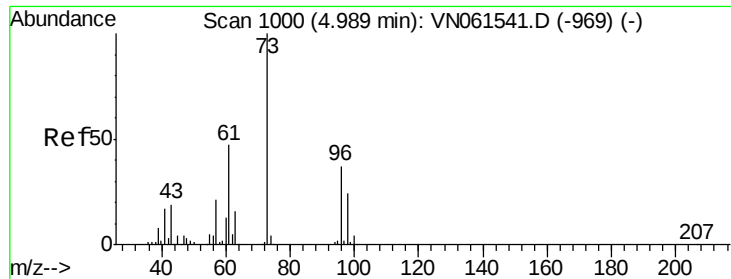
MMDadoda
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#18
Methyl Acetate
Concen: 18.660 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	23.2	34.8





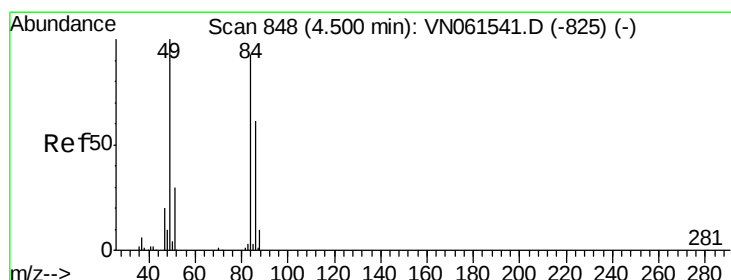
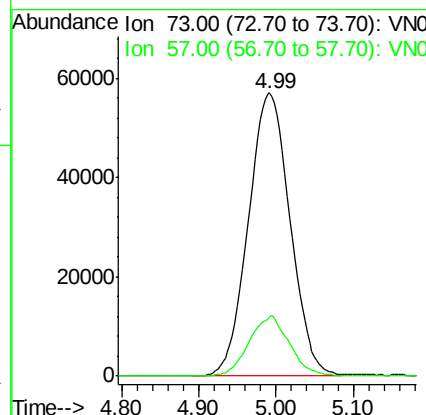
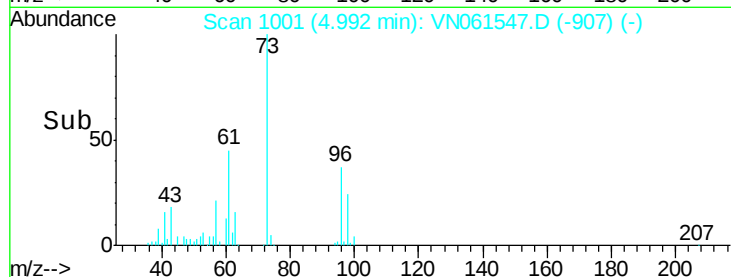
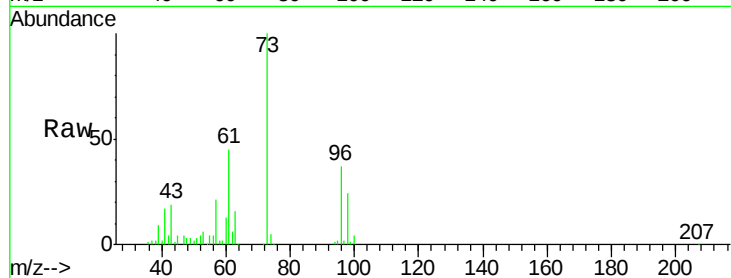
#19
Methvl tert-butvl Ether
Concen: 18.541 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion: 73 Resp: 214482
Ion Ratio Lower Upper
73 100
57 21.0 16.4 24.6

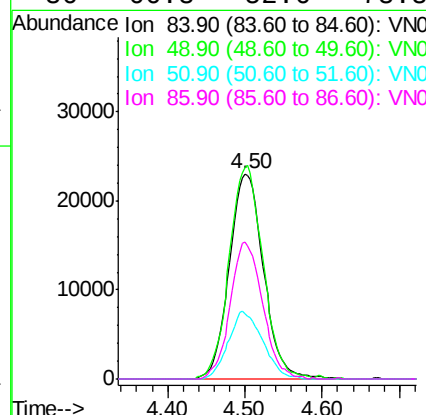
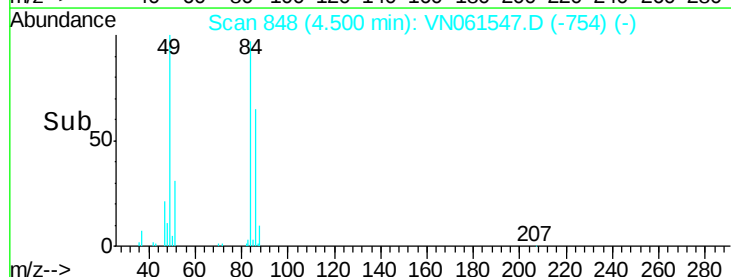
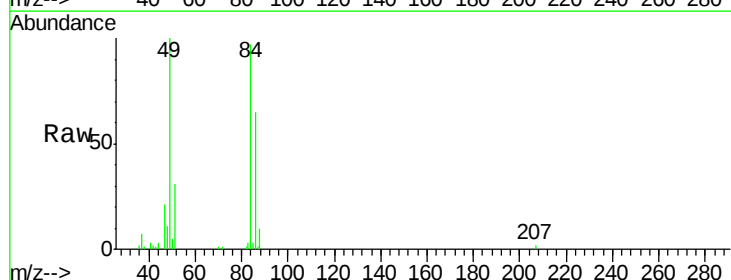
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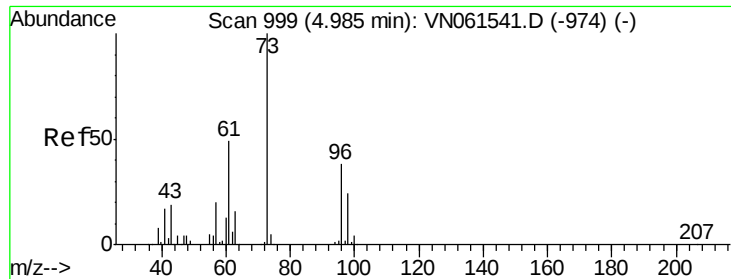
MMDadoda
5/29/2020 5:50:24 PM



#20
Methylene Chloride
Concen: 18.599 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 84 Resp: 70835
Ion Ratio Lower Upper
84 100
49 103.3 85.8 128.8
51 31.9 26.2 39.2
86 66.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 18.531 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

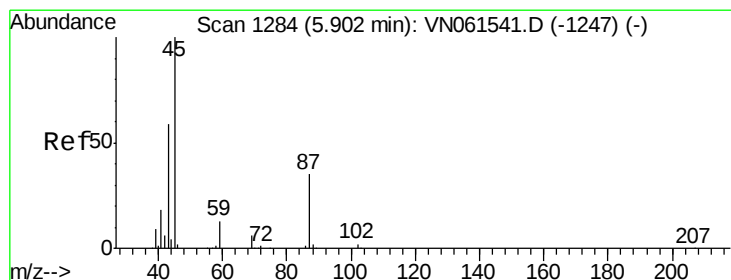
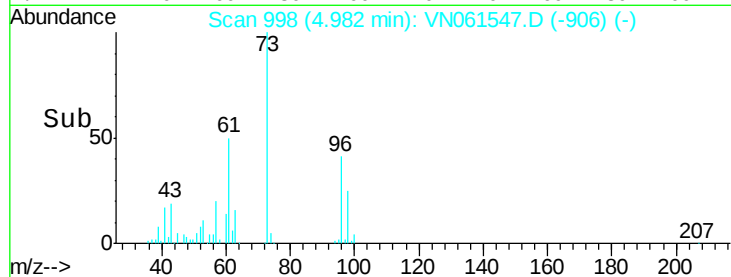
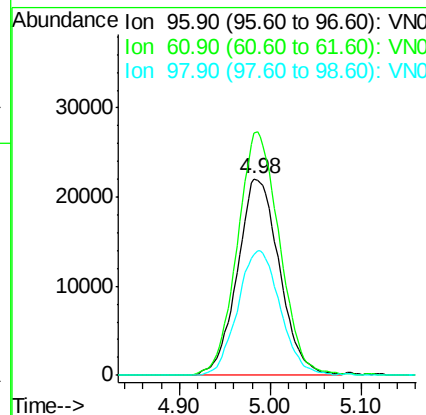
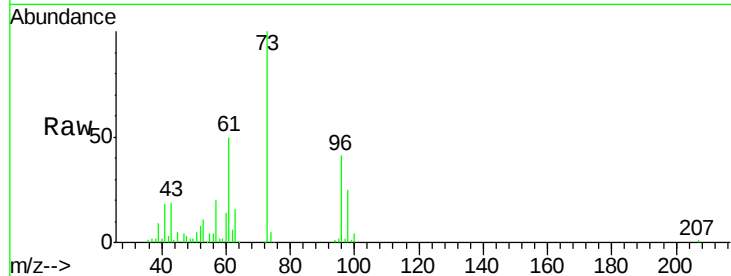
ClientSampleId :

VN0528WBSD01

Tot Ion:	96	Resp:	70934
Ion	Ratio	Lower	Upper
96	100		
61	123.2	101.4	152.0
98	61.8	50.6	76.0

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#22

Diisopropyl ether

Concen: 18.919 ug/l

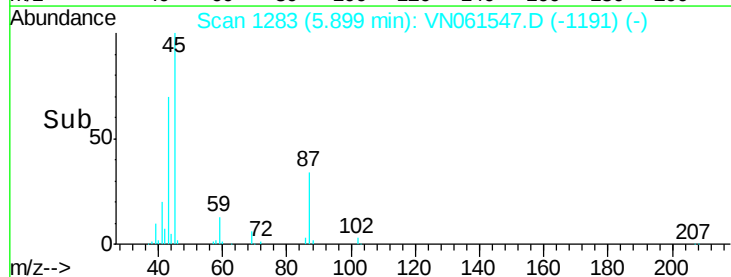
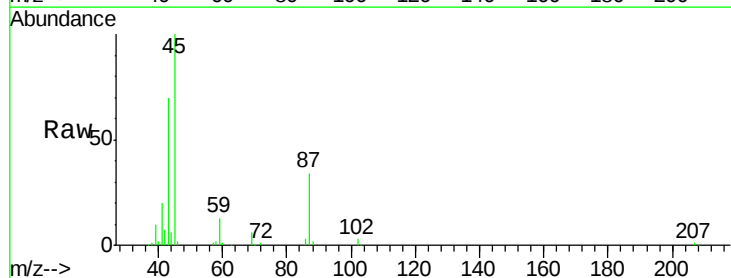
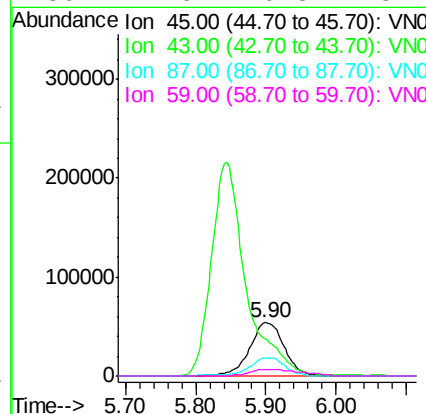
RT: 5.90 min Scan# 1283

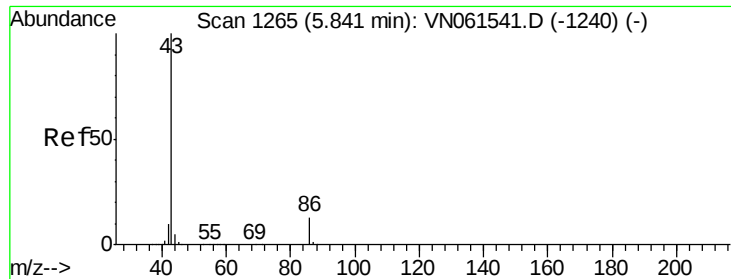
Delta R.T. -0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion:	45	Resp:	185038
Ion	Ratio	Lower	Upper
45	100		
43	67.9	47.9	71.9
87	34.5	28.4	42.6
59	12.6	10.5	15.7





#23

Vinyl Acetate

Concen: 94.698 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 43 Resp: 738184

Ion Ratio Lower Upper

43 100

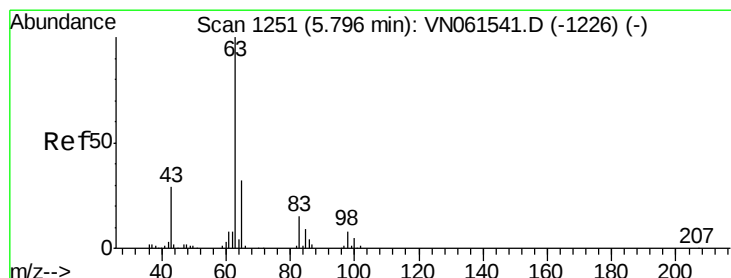
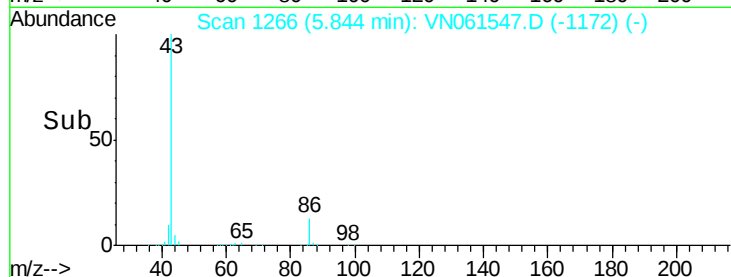
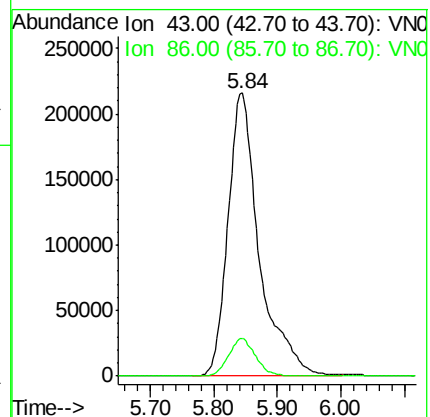
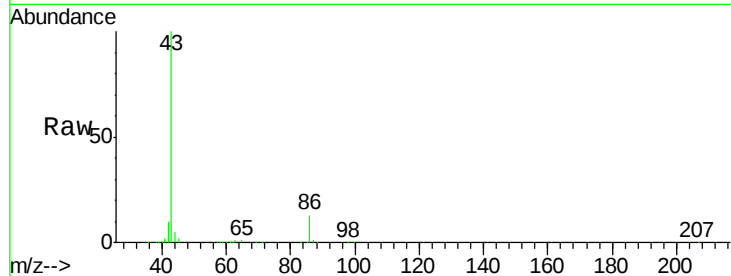
86 13.4 10.6 16.0

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#24

1,1-Dichloroethane

Concen: 18.898 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

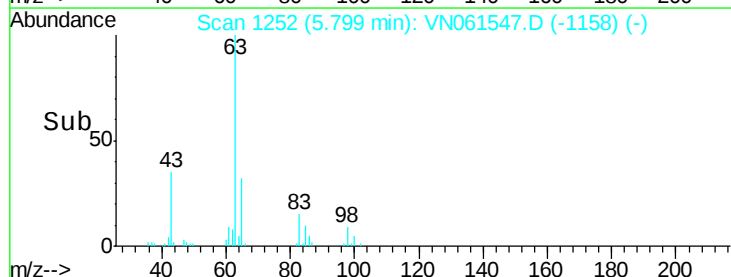
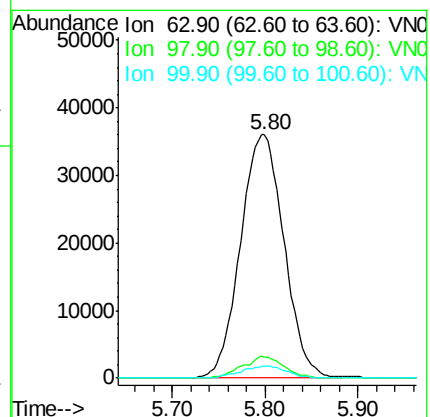
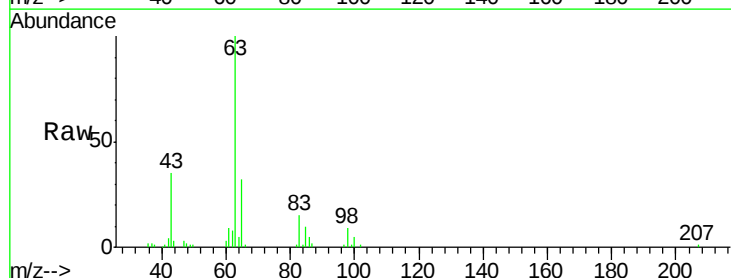
Tgt Ion: 63 Resp: 117206

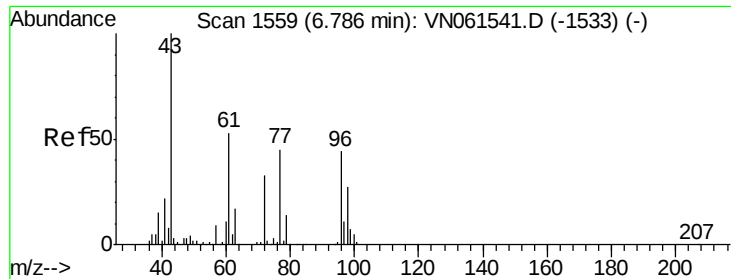
Ion Ratio Lower Upper

63 100

98 8.7 3.8 11.4

100 5.0 2.5 7.6





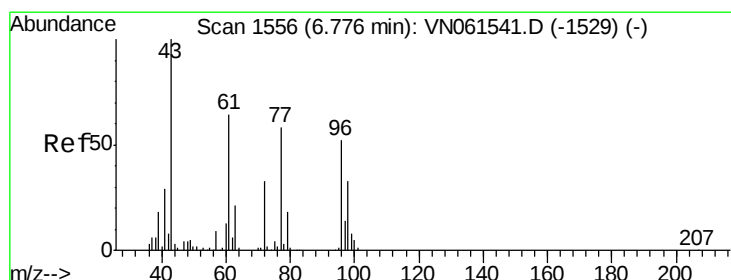
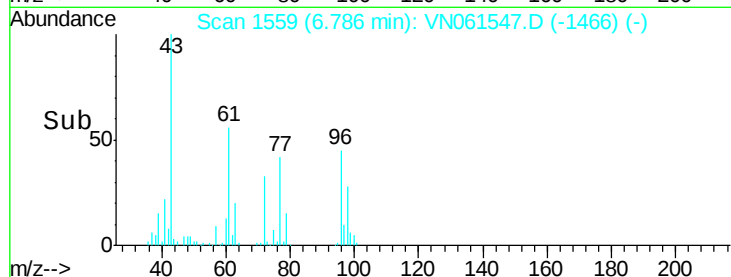
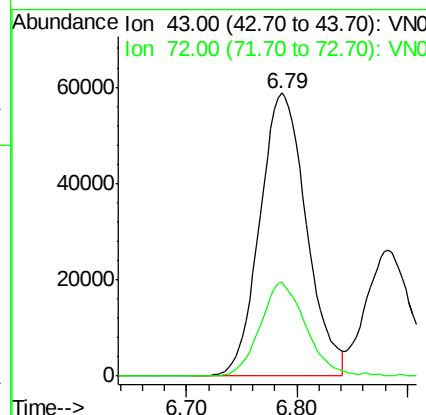
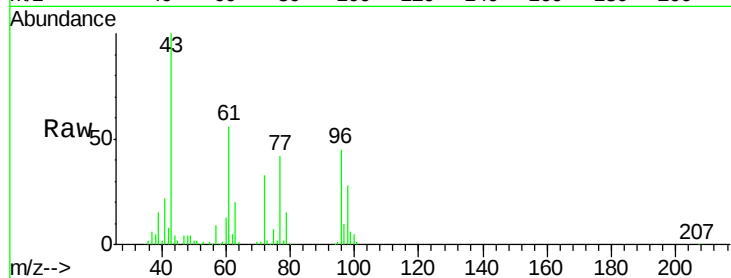
#25
2-Butanone
Concen: 91.745 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion: 43 Resp: 172081
Ion Ratio Lower Upper
43 100
72 33.2 26.0 39.0

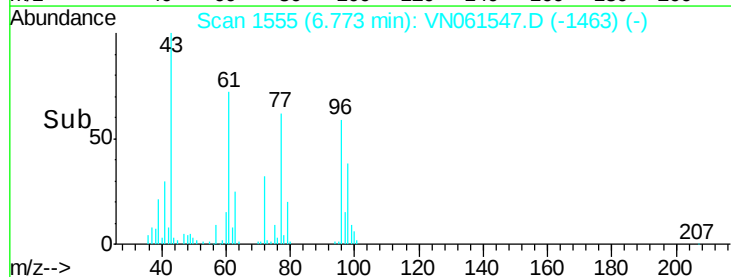
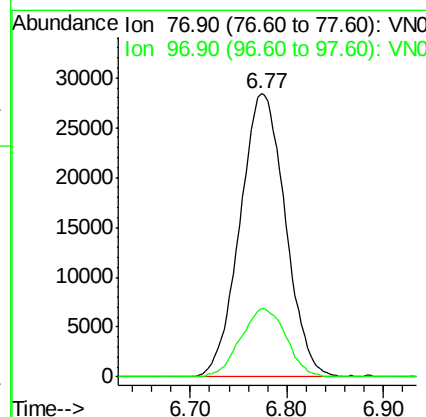
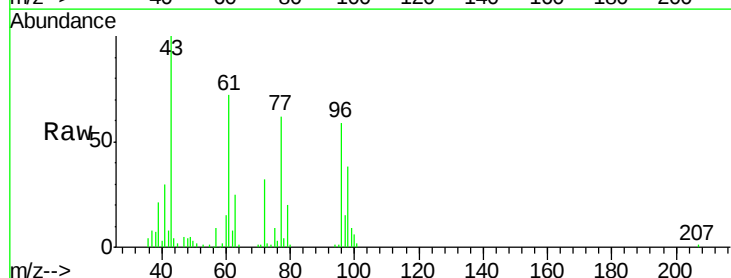
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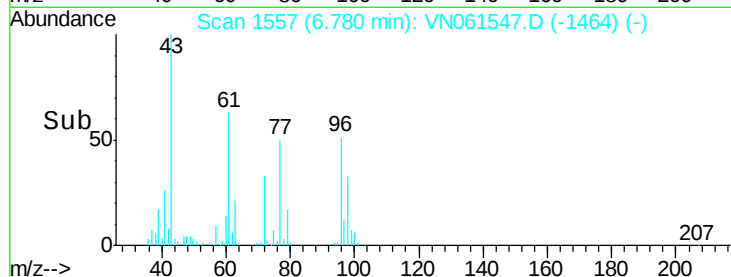
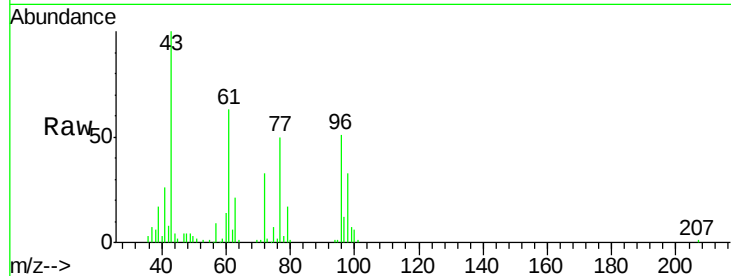
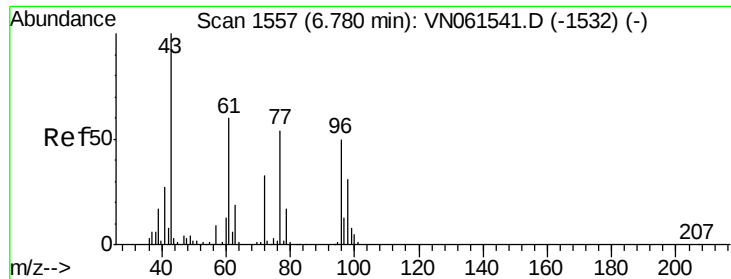
MMDadoda
5/29/2020 5:50:24 PM



#26
2,2-Dichloropropane
Concen: 16.282 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 77 Resp: 92421
Ion Ratio Lower Upper
77 100
97 24.2 12.0 36.0





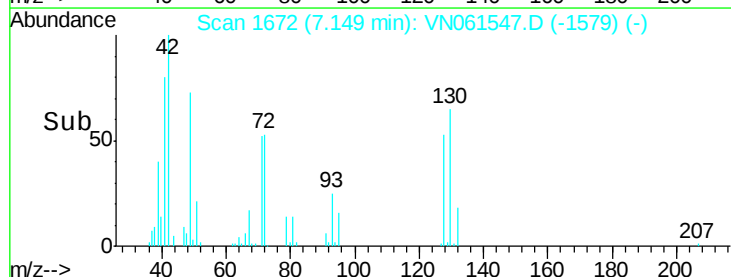
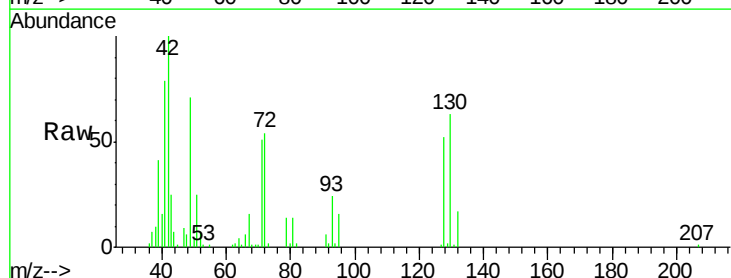
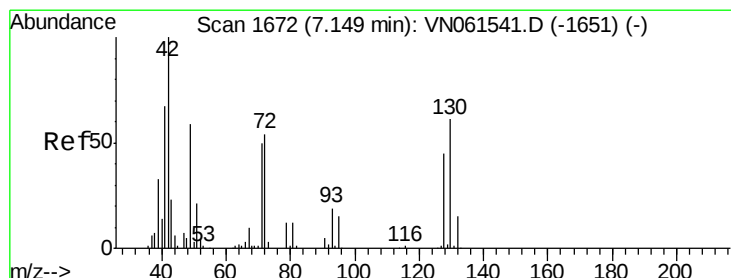
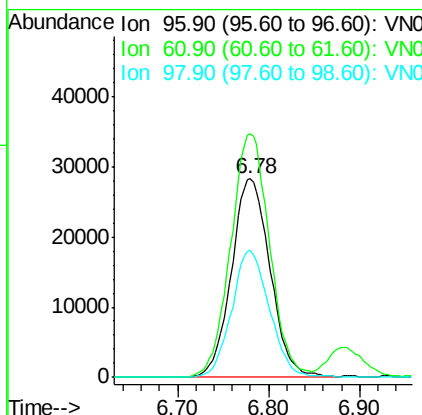
#27
 cis-1,2-Dichloroethene
 Concen: 19.246 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	123.5	0.0	252.2	
98	62.2	0.0	129.2	

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

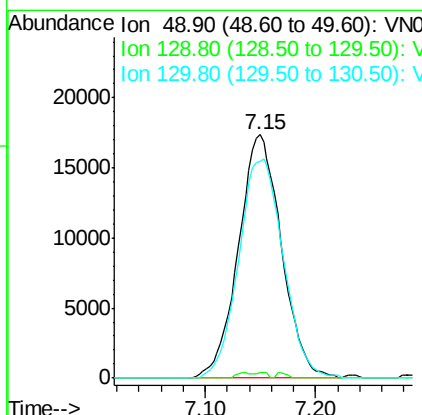
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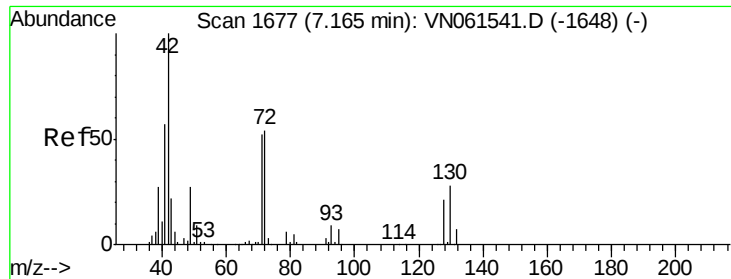
MMDadoda
 5/29/2020 5:50:24 PM



#28
 Bromochloromethane
 Concen: 19.250 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.6	0.0	4.8	
130	93.6	78.8	118.2	





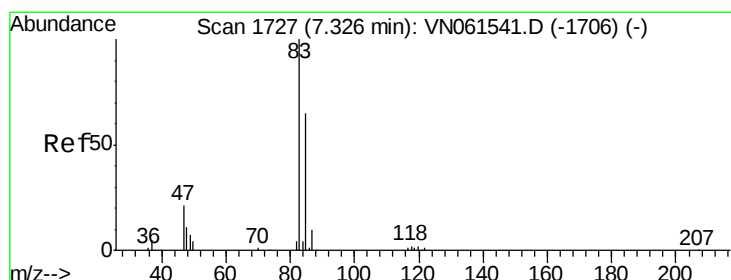
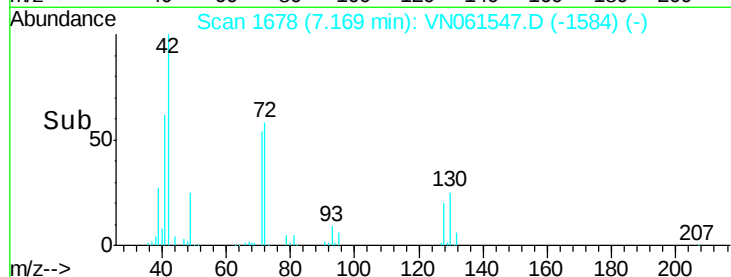
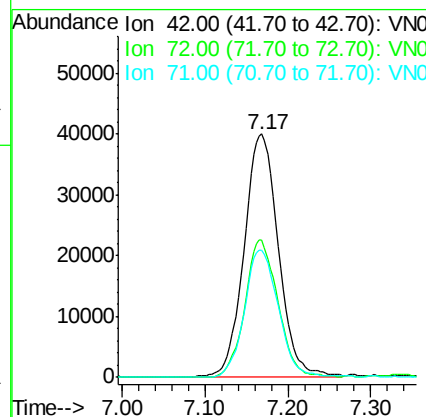
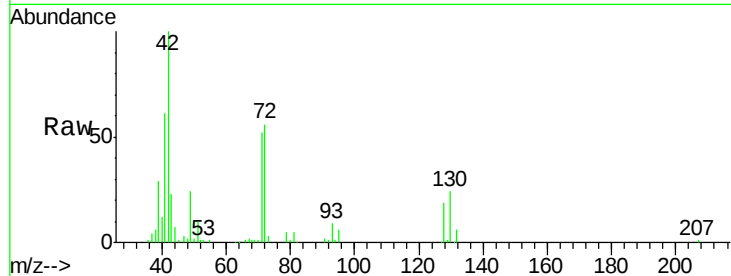
#29
Tetrahydrofuran
Concen: 93.325 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.3	43.6	65.4
71	51.2	41.2	61.8

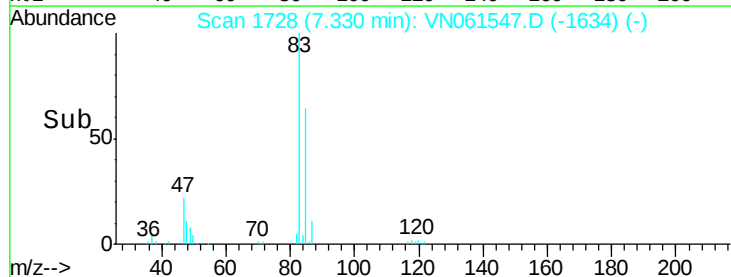
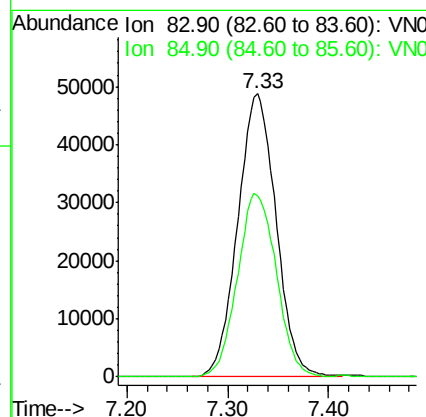
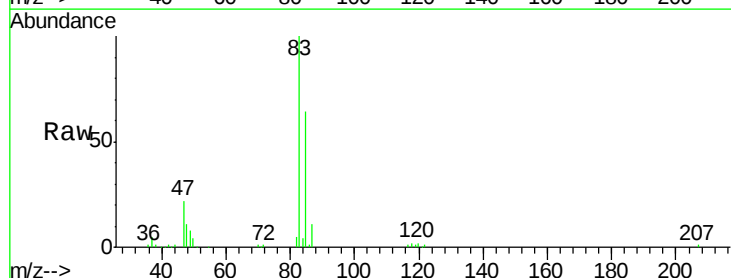
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#30
Chloroform
Concen: 18.743 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5





#31

Cyclohexane

Concen: 19.000 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

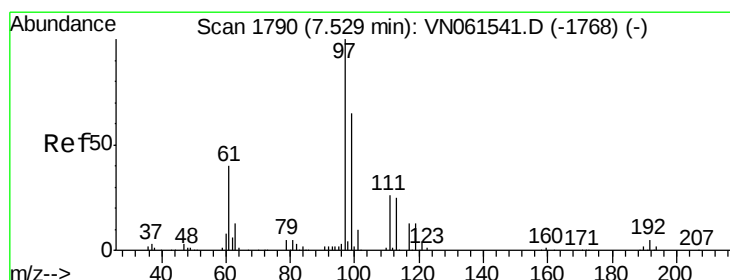
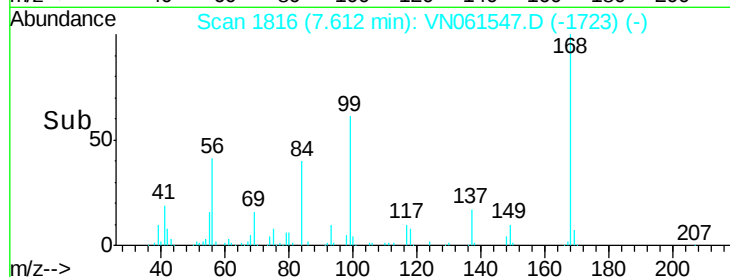
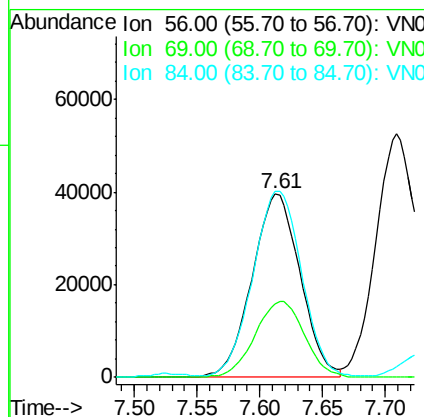
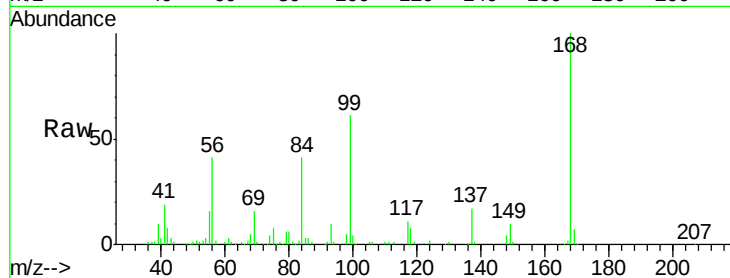
ClientSampleId :

VN0528WBSD01

Tot Ion	56	Resp	105977
Ion	Ratio	Lower	Upper
56	100		
69	40.2	27.8	41.8
84	100.2	79.9	119.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.842 ug/l

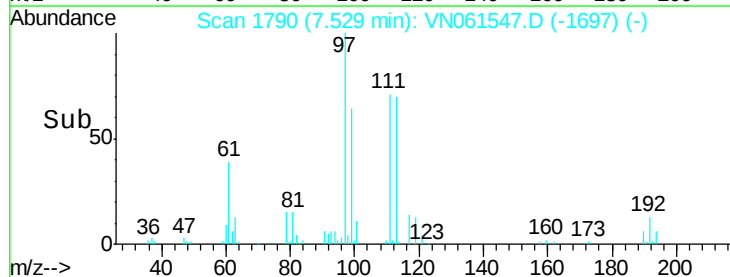
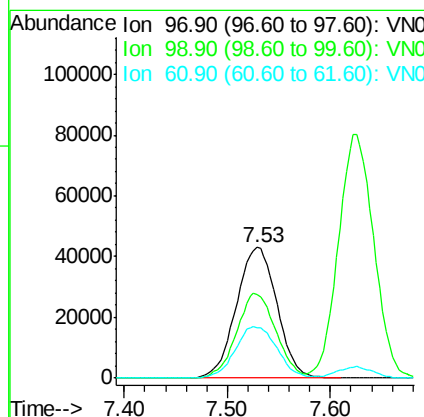
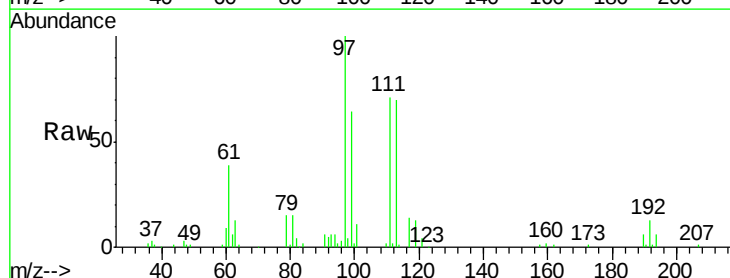
RT: 7.53 min Scan# 1790

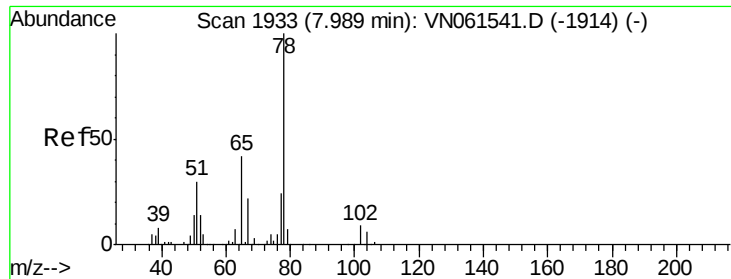
Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion	97	Resp	117800
Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.4	77.0
61	40.5	31.4	47.0





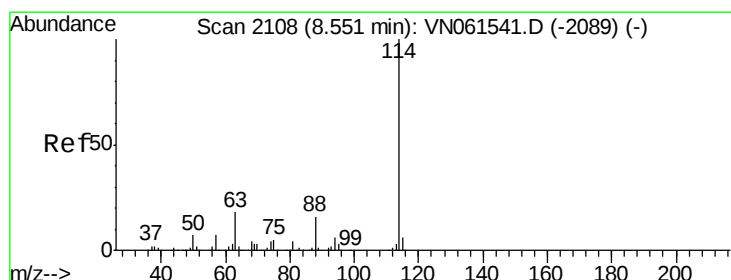
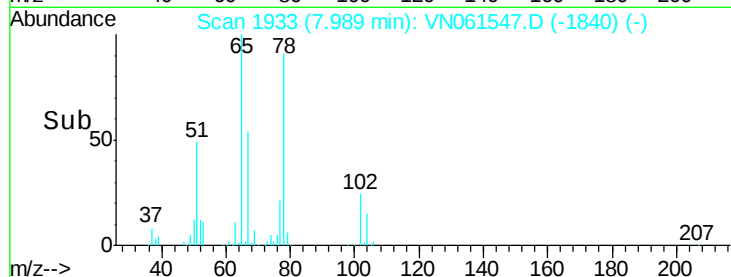
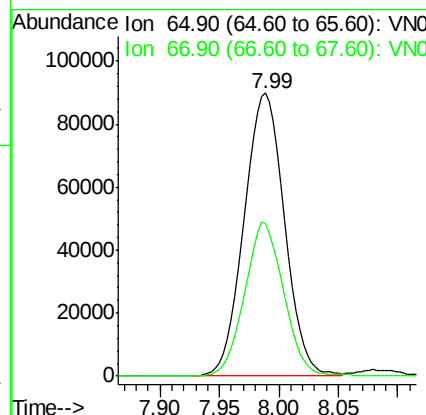
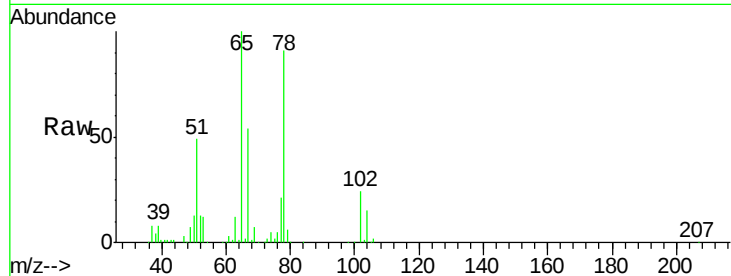
#33
 1,2-Dichloroethane-d4
 Concen: 53.477 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211645		
67	52.5	0.0	104.8	

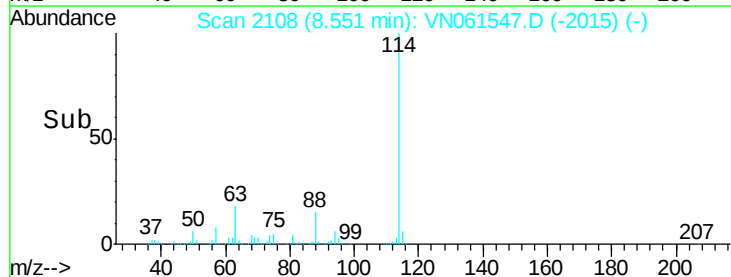
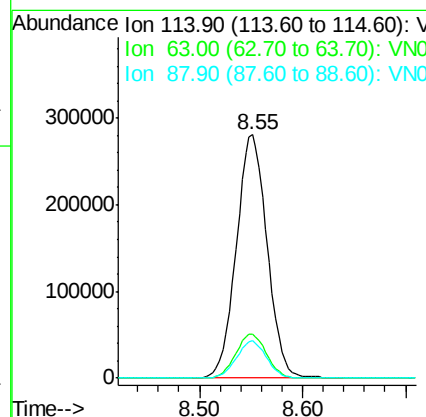
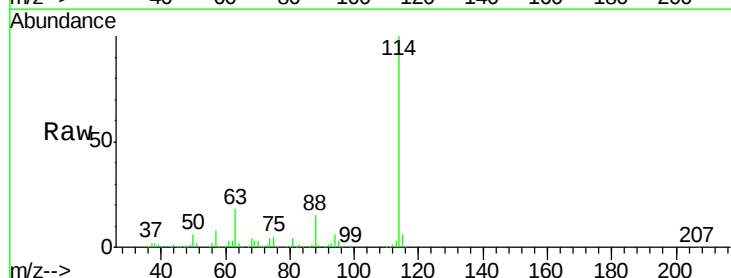
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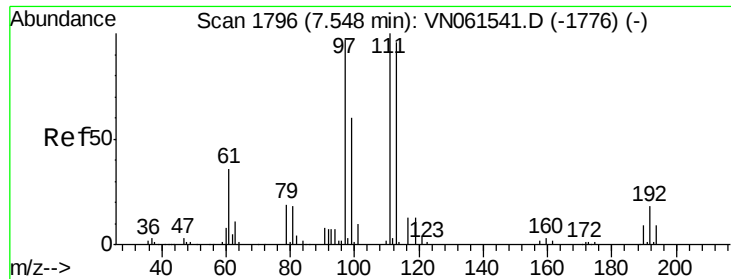
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	583792		
63	18.0	0.0	35.8	
88	15.3	0.0	31.0	





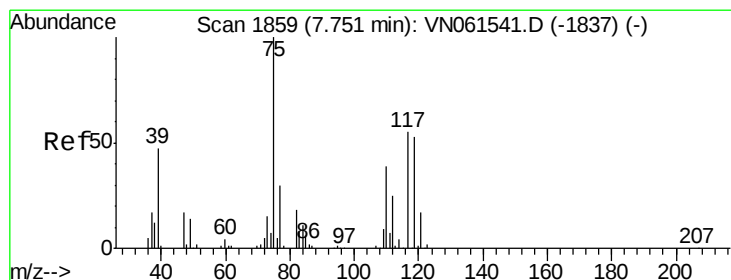
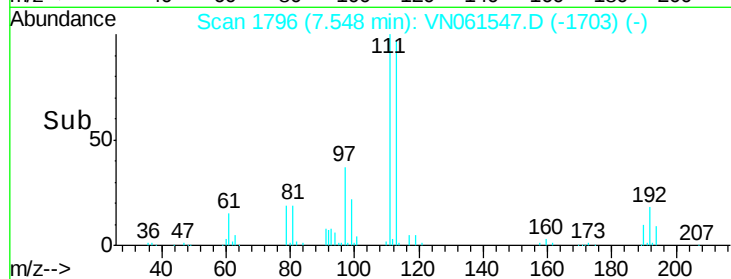
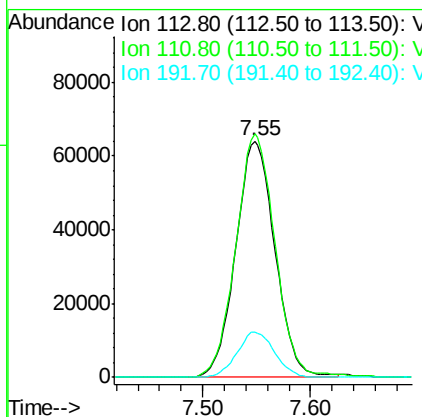
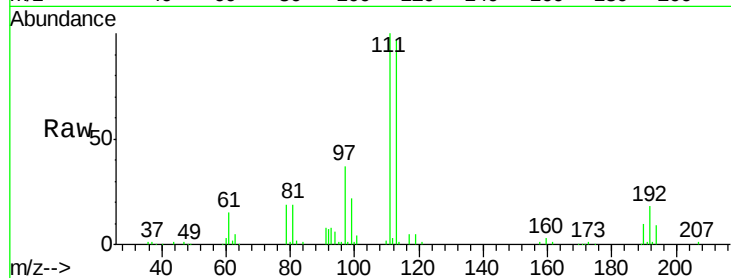
#35
 Dibromofluoromethane
 Concen: 54.502 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161406		
111	102.4	83.4	125.0	
192	18.6	15.4	23.2	

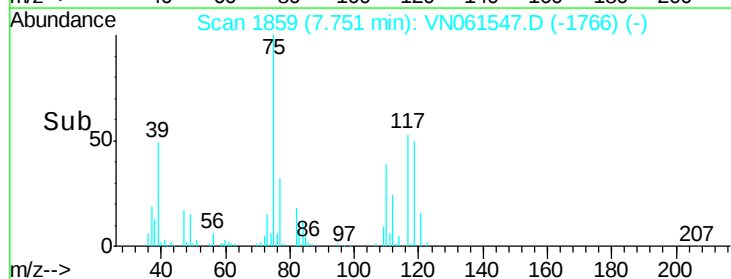
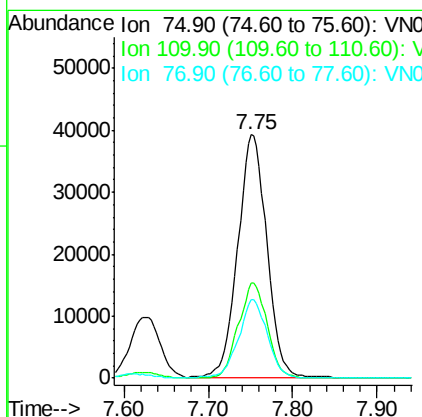
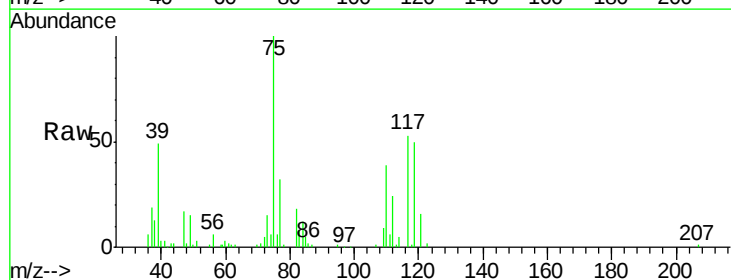
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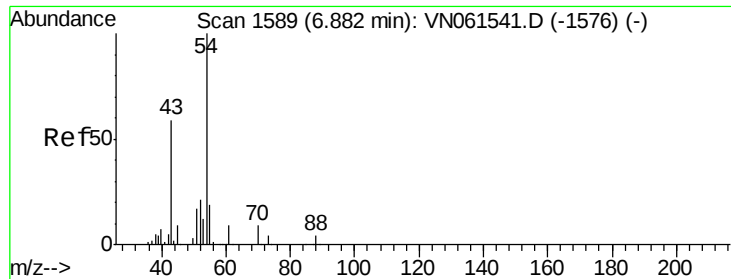
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#36
 1,1-Dichloropropene
 Concen: 18.380 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94991		
110	38.4	19.5	58.5	
77	31.9	24.7	37.1	





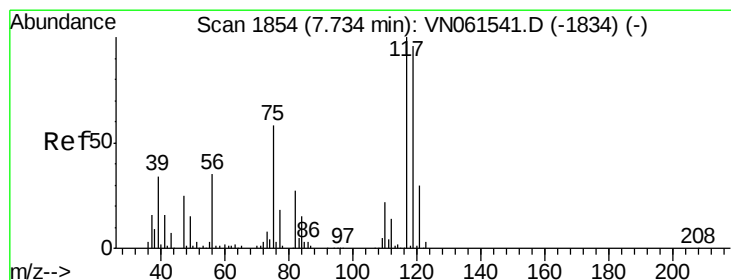
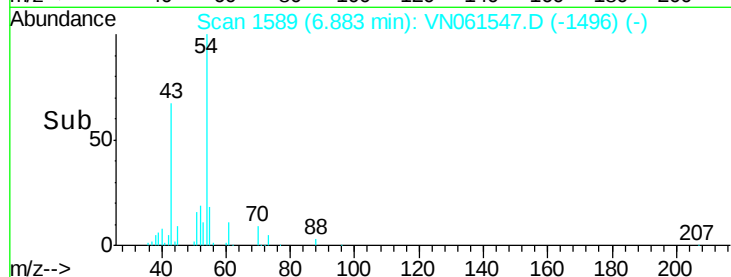
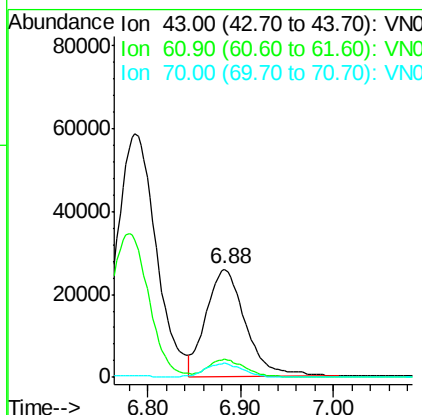
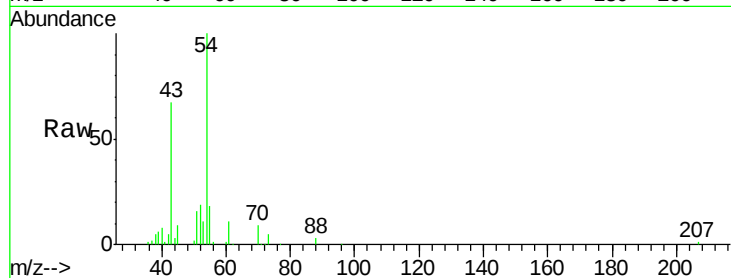
#37
Ethyl Acetate
Concen: 18.320 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.2	18.4
70	12.7	9.4	14.2

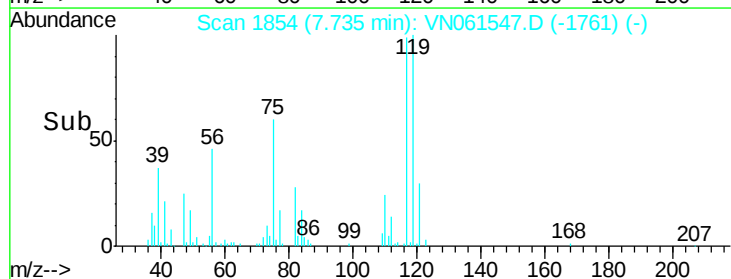
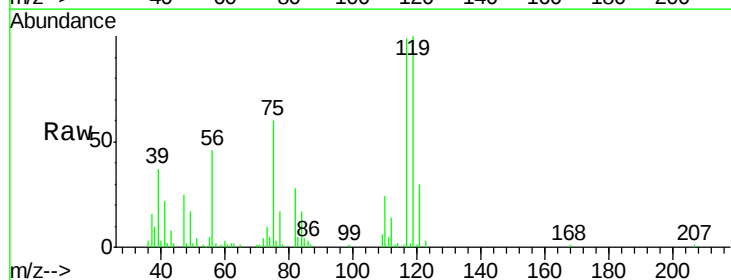
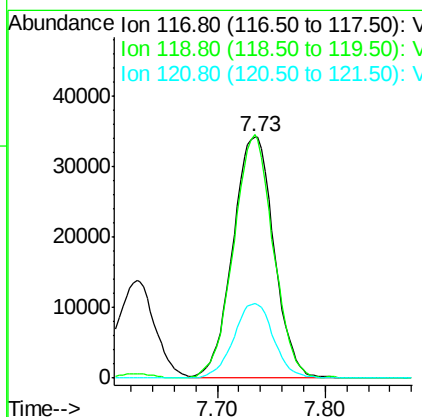
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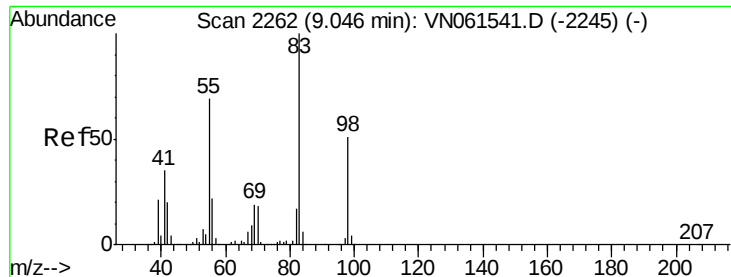
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#38
Carbon Tetrachloride
Concen: 18.251 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.9	76.5	114.7
121	30.7	24.1	36.1





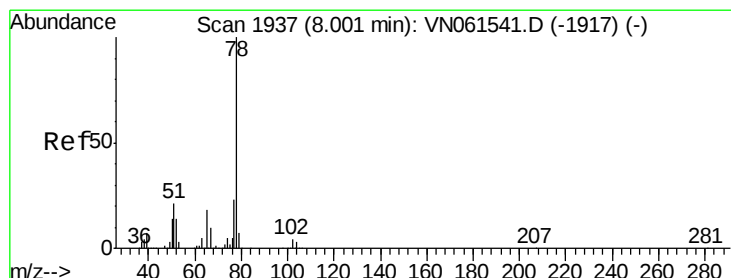
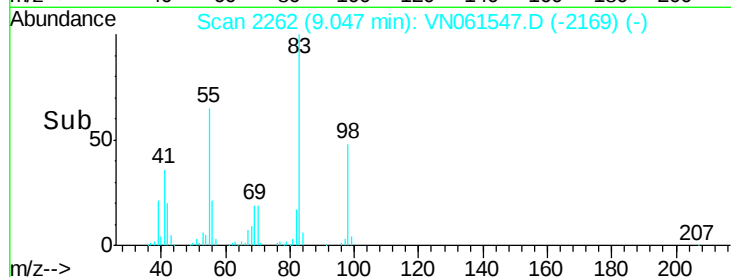
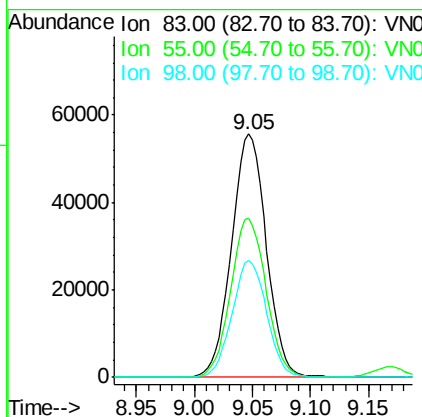
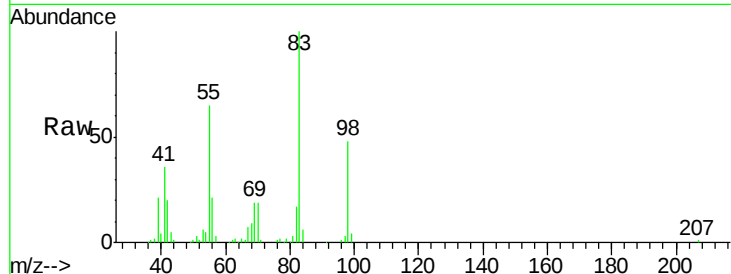
#39
Methvlcvclohexane
Concen: 18.183 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	65.4	54.9	82.3	
98	48.2	41.0	61.4	

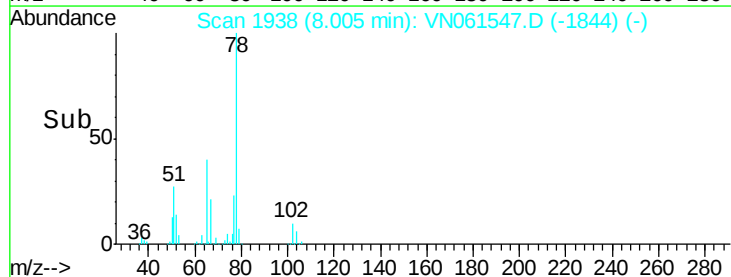
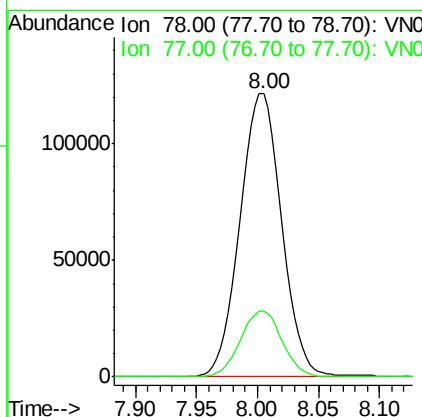
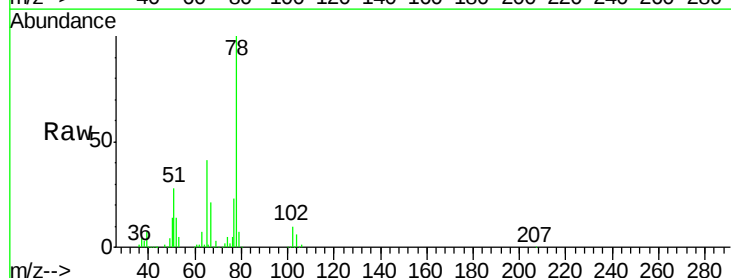
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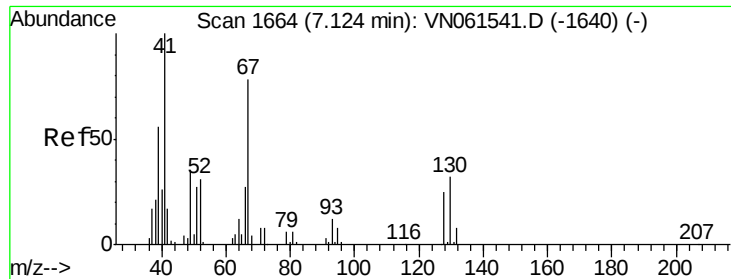
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5/29/2020 5:50:24 PM



#40
Benzene
Concen: 18.008 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.6	28.0	





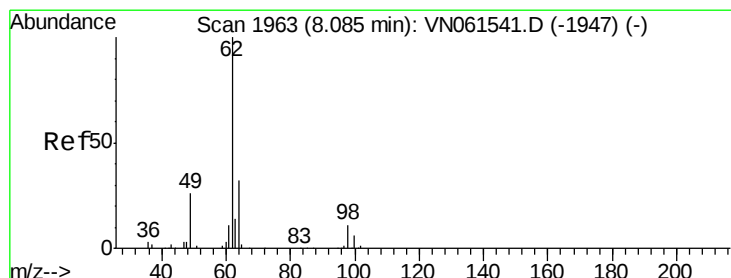
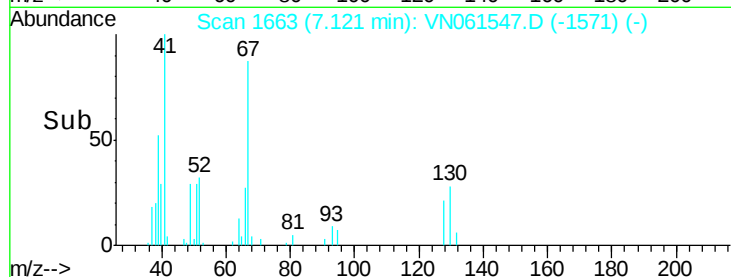
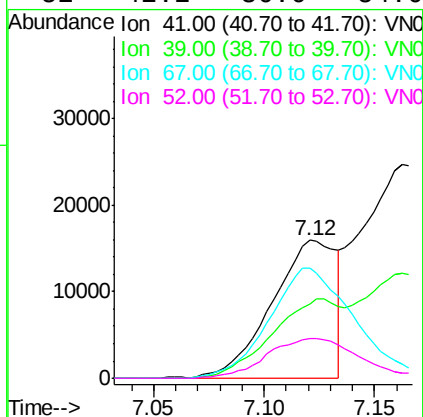
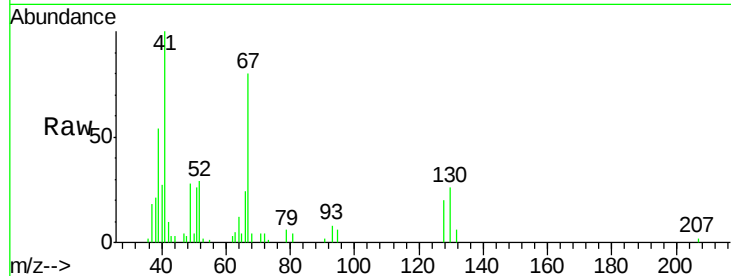
#41
Methacrylonitrile
Concen: 16.921 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.9	53.8	80.6	
67	106.4	91.1	136.7	
52	42.2	36.0	54.0	

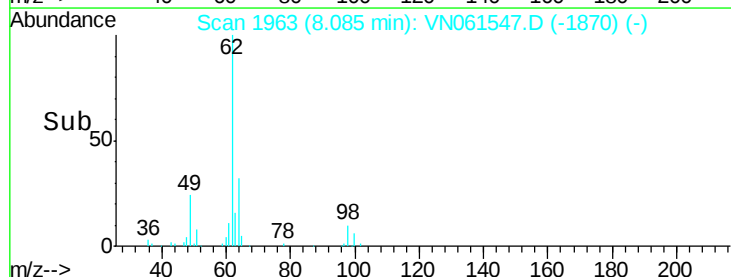
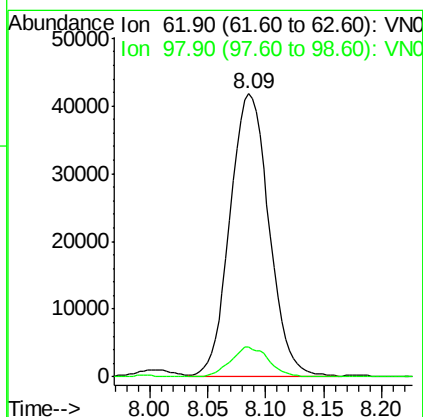
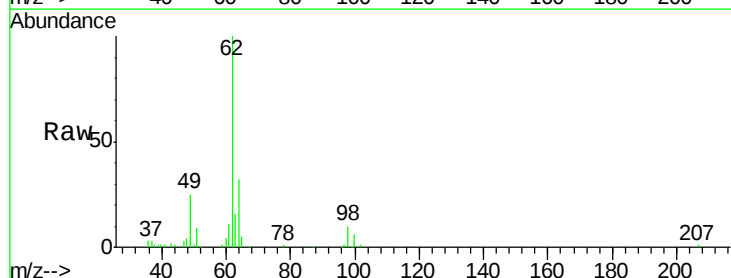
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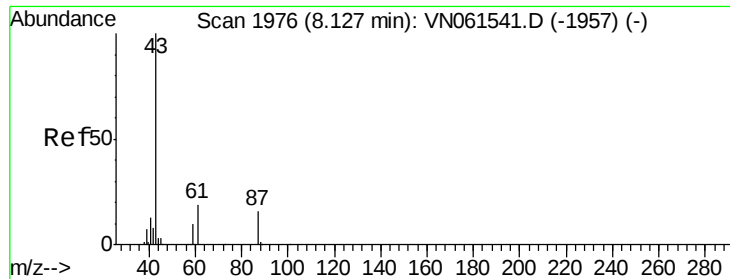
MMDadoda
5/29/2020 5:50:24 PM



#42
1,2-Dichloroethane
Concen: 18.344 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	21.4	





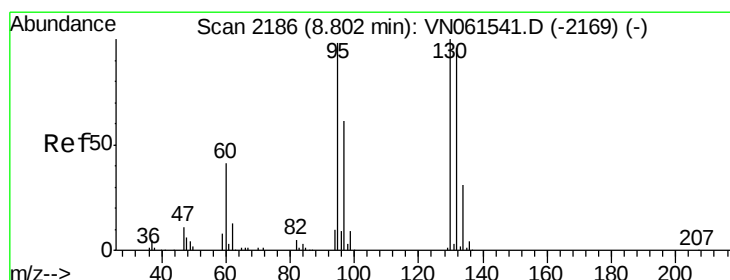
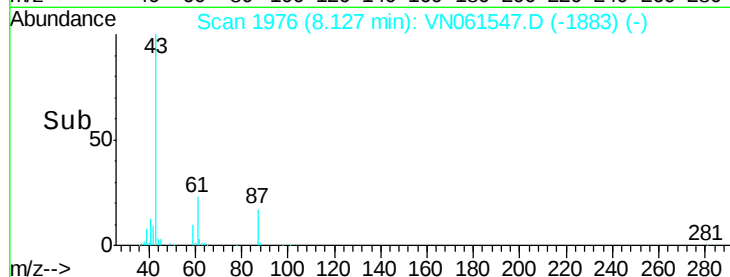
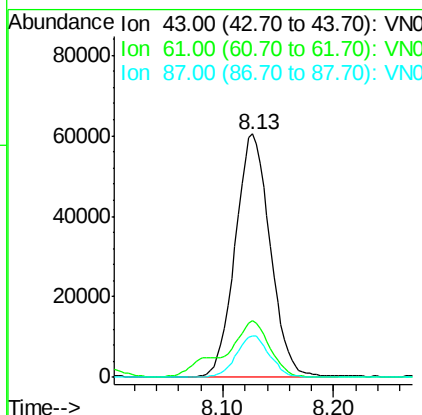
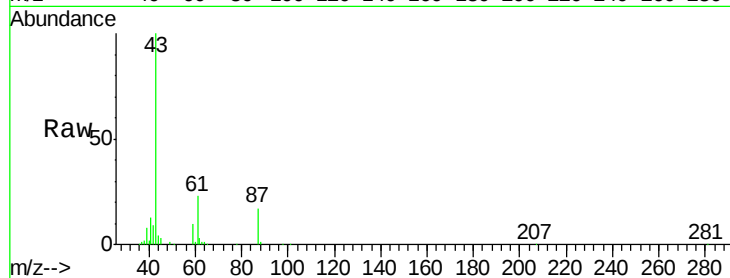
#43
Isopropyl Acetate
Concen: 17.769 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	23.6	35.4#
87	16.3	13.0	19.6

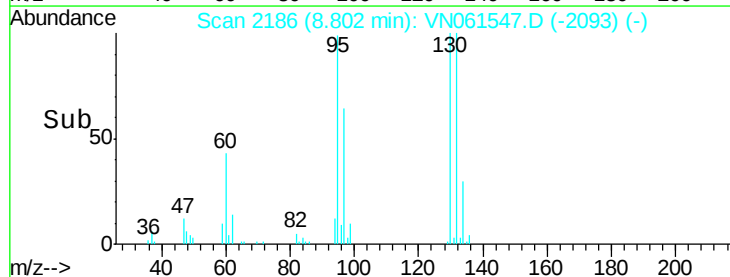
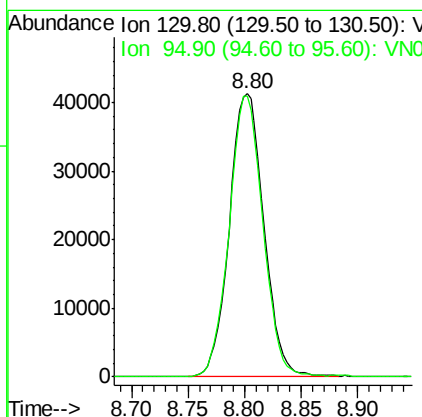
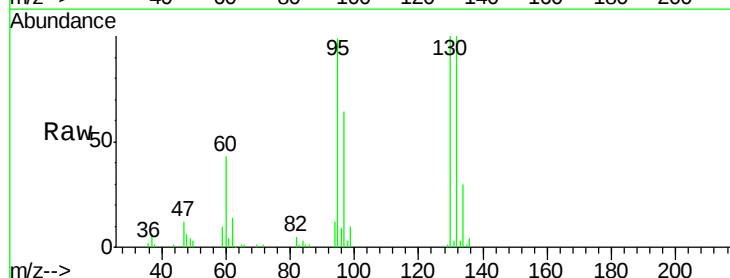
Manual Integrations
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#44
Trichloroethene
Concen: 17.929 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	196.6





#45

1,2-Dichloropropane

Concen: 18.263 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampled :

VN0528WBSD01

Tot Ion: 63 Resp: 69151

Ion Ratio Lower Upper

63 100

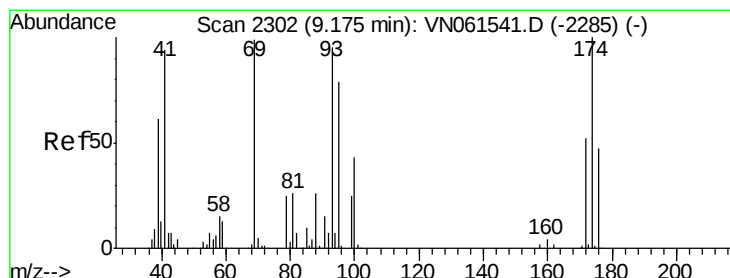
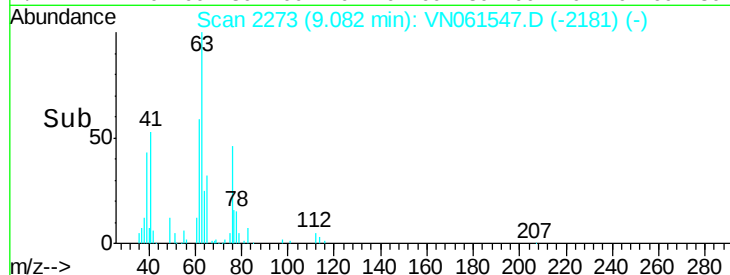
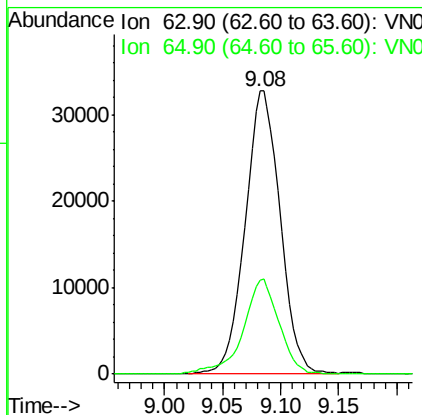
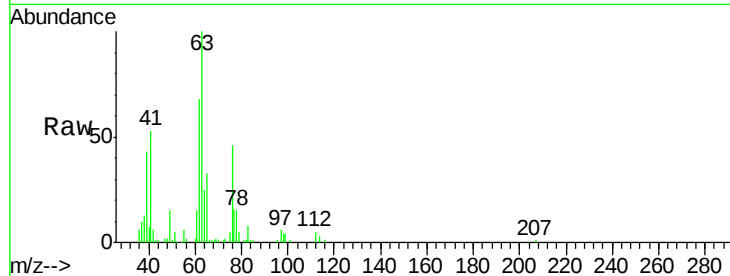
65 33.4 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 18.222 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

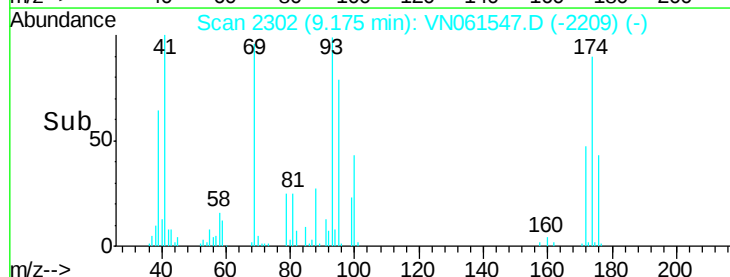
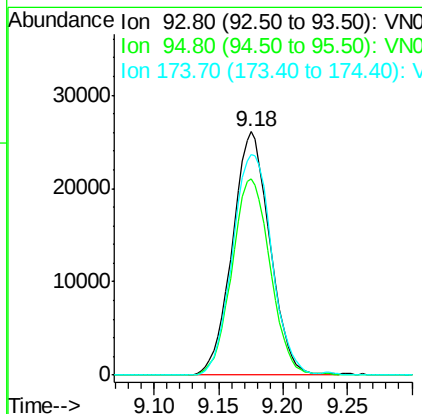
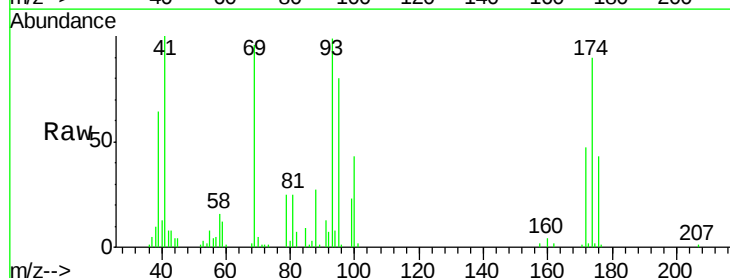
Tgt Ion: 93 Resp: 52916

Ion Ratio Lower Upper

93 100

95 81.8 66.0 99.0

174 94.6 82.5 123.7





#47

Bromodichloromethane

Concen: 18.082 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

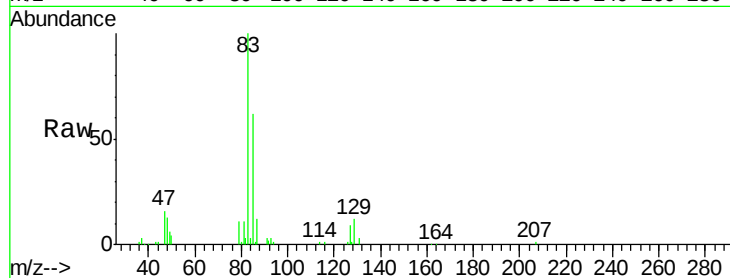
ClientSampleId :

VN0528WBSD01

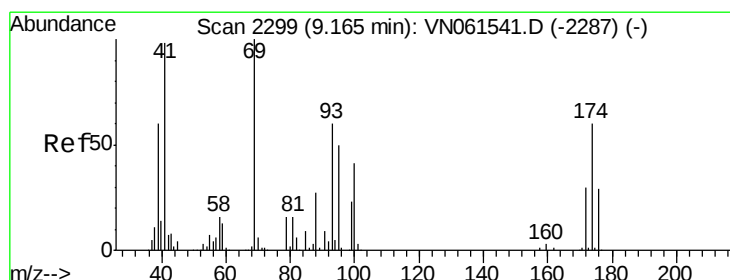
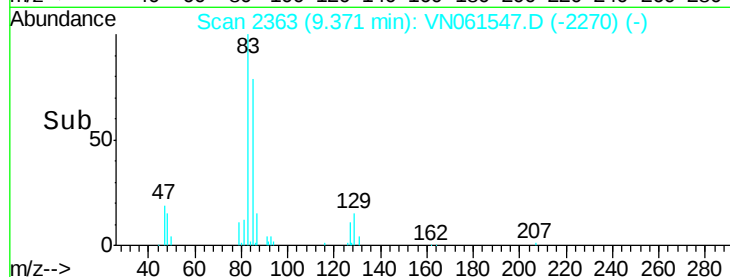
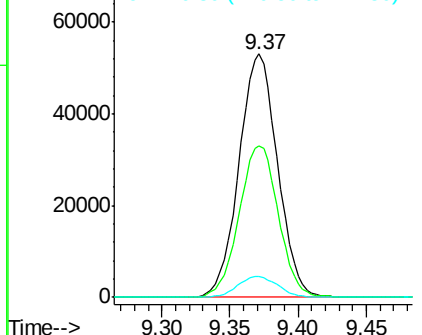
Tot Ion:	83	Resp:	104033
Ion Ratio	Lower	Upper	
83	100		
85	62.4	51.1	76.7
127	8.6	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061547.D (-2270) (-)



#48

Methyl methacrylate

Concen: 17.128 ug/l

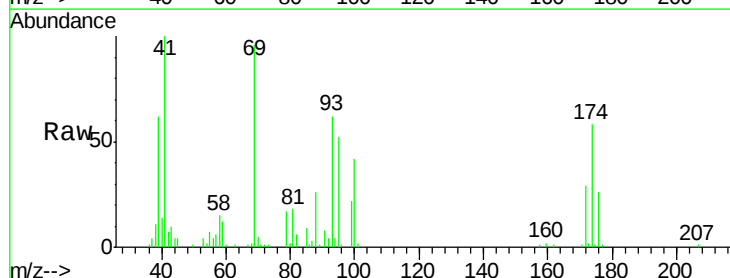
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

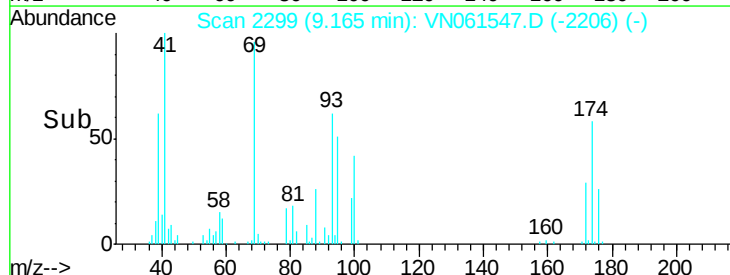
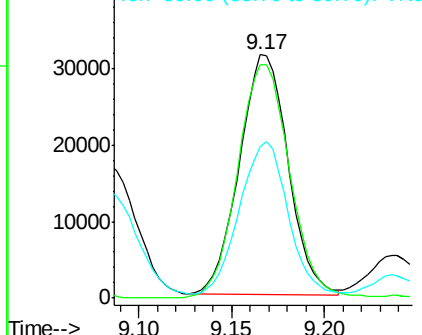
Lab File: VN061547.D

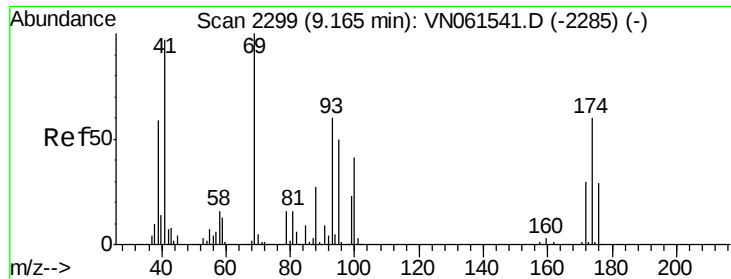
Acq: 28 May 2020 22:26

Tgt Ion:	41	Resp:	57709
Ion Ratio	Lower	Upper	
41	100		
69	104.0	83.9	125.9
39	66.8	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061547.D (-2206) (-)





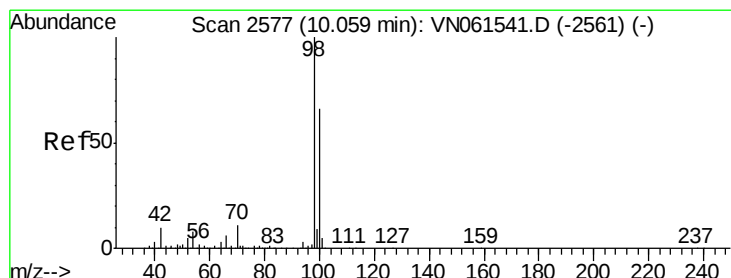
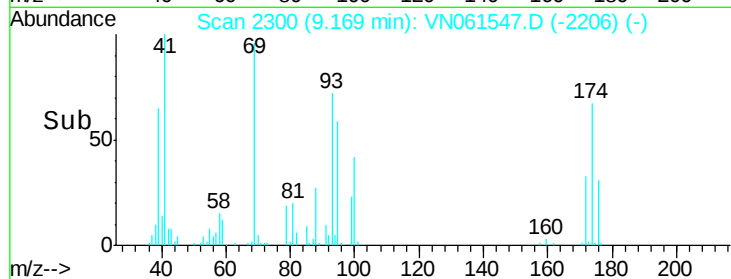
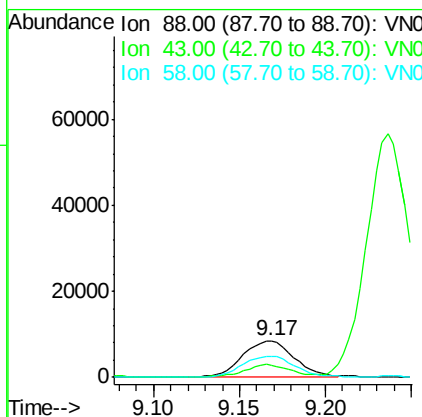
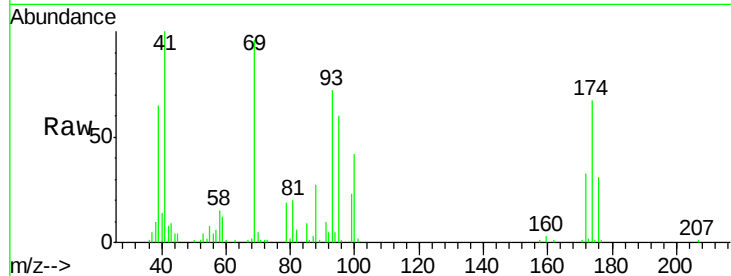
#49
 1,4-Dioxane
 Concen: 340.133 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	88	Resp	17754
Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.1	34.7
58	59.4	48.3	72.5

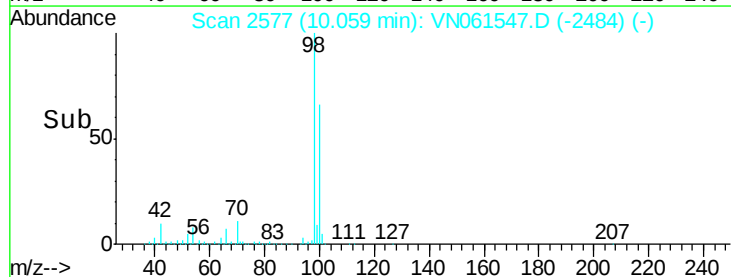
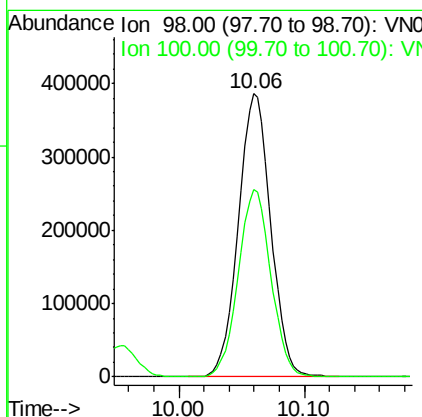
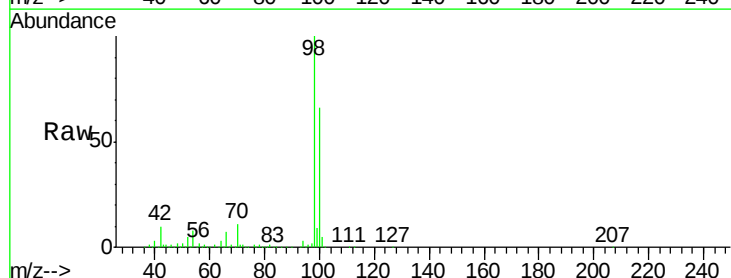
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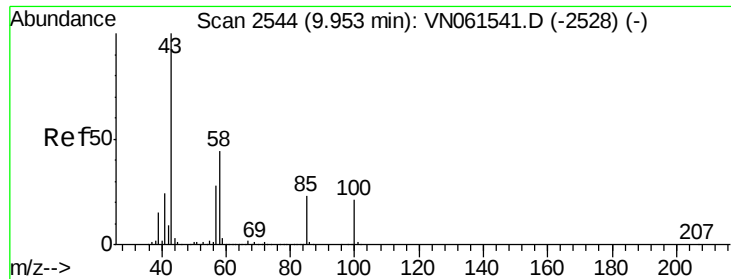
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#50
 Toluene-d8
 Concen: 50.535 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	98	Resp	693537
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 89.768 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 43 Resp: 378836

Ion Ratio Lower Upper

43 100

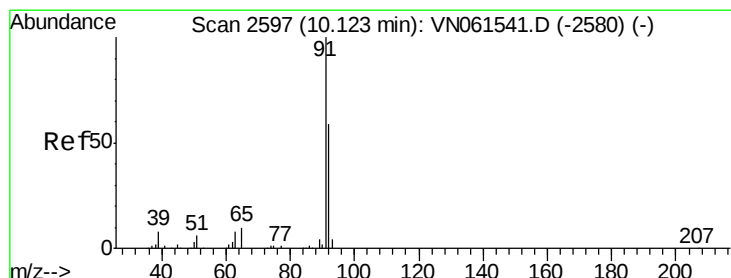
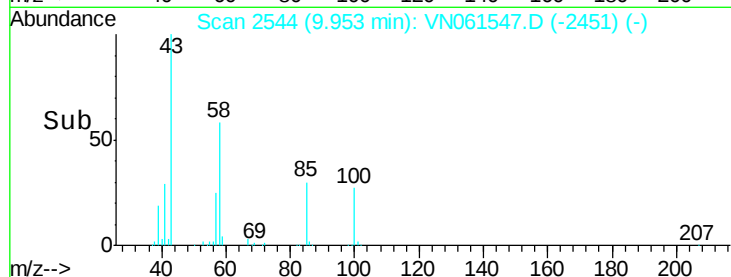
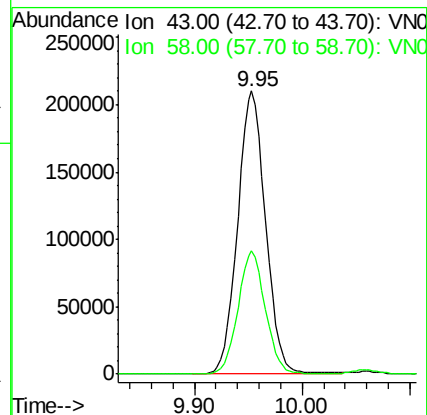
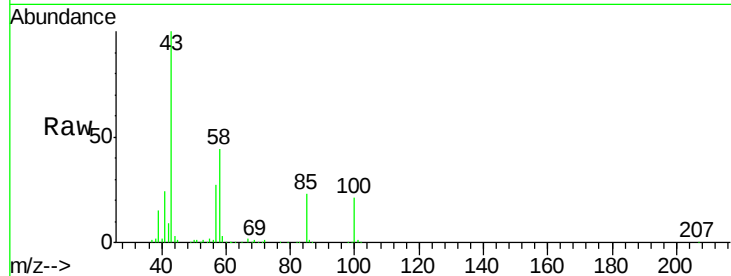
58 42.7 35.0 52.6

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#52

Toluene

Concen: 18.239 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061547.D

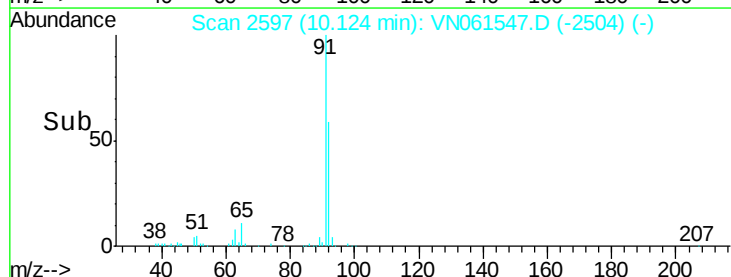
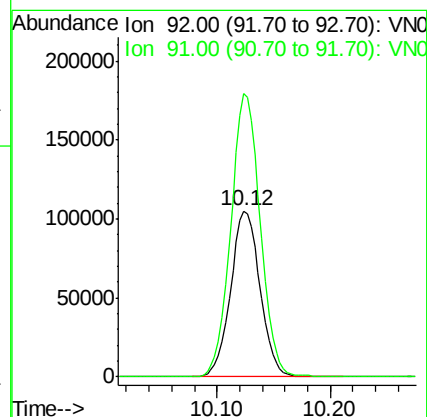
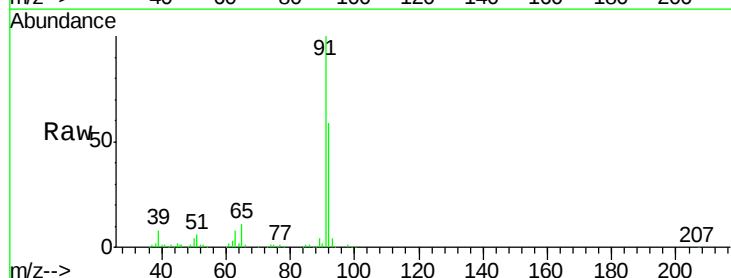
Acq: 28 May 2020 22:26

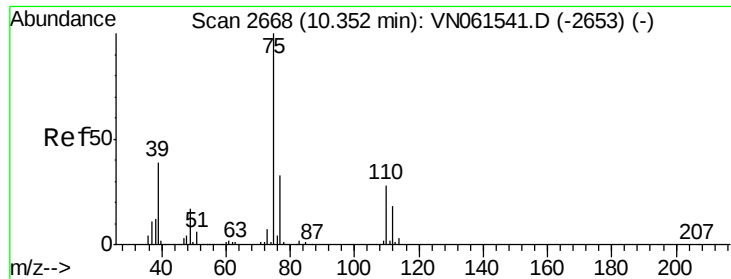
Tgt Ion: 92 Resp: 189825

Ion Ratio Lower Upper

92 100

91 171.0 136.4 204.6





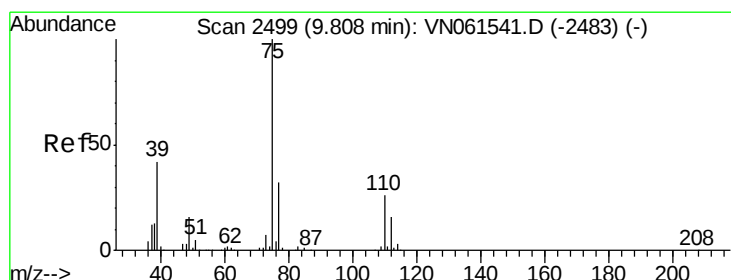
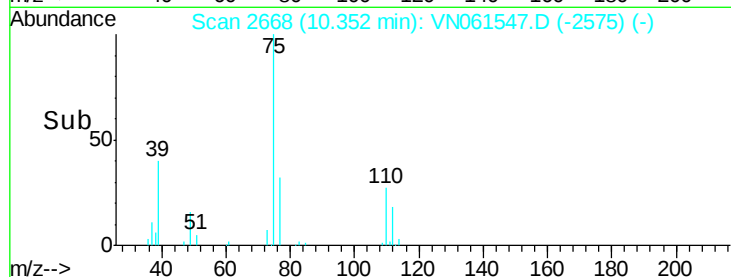
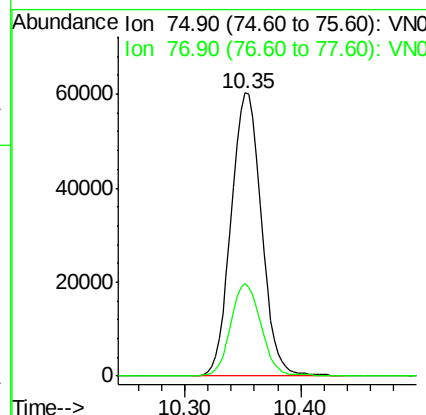
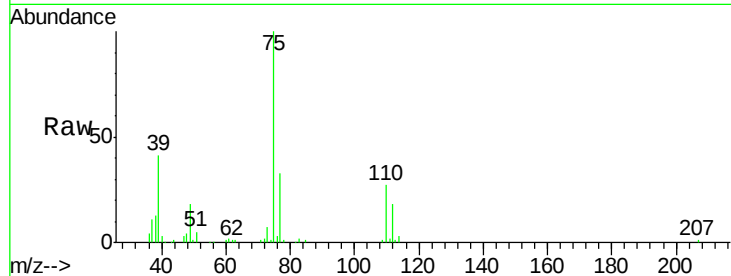
#53
t-1,3-Dichloropropene
Concen: 17.606 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.2	39.4

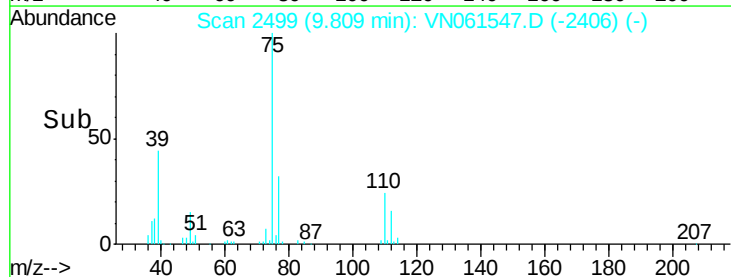
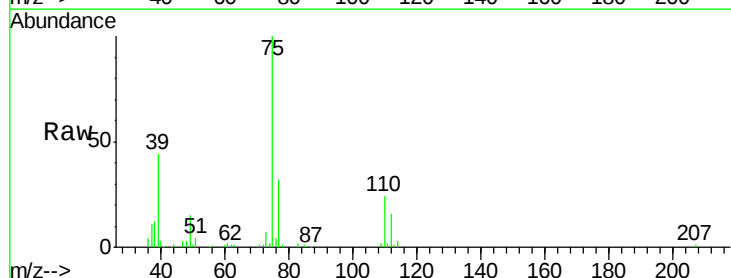
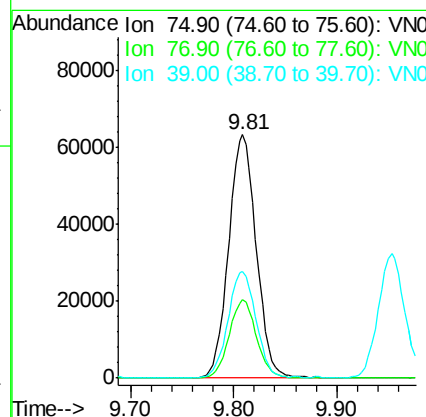
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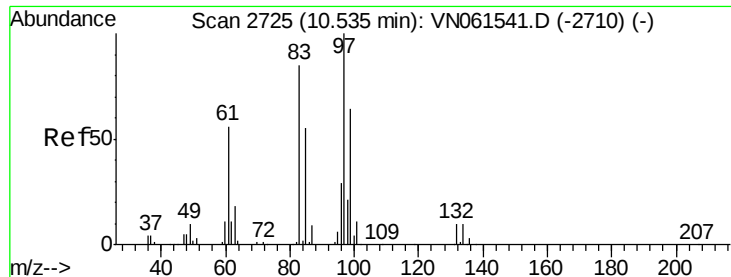
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#54
cis-1,3-Dichloropropene
Concen: 17.742 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2
39	44.0	33.8	50.6





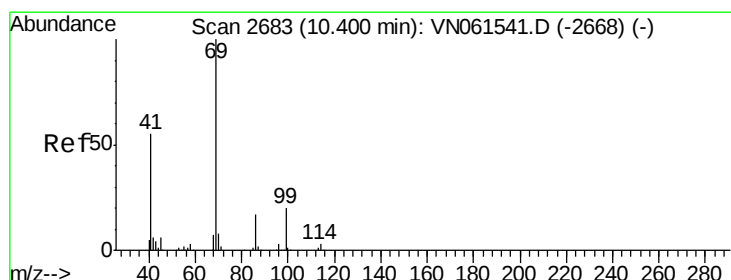
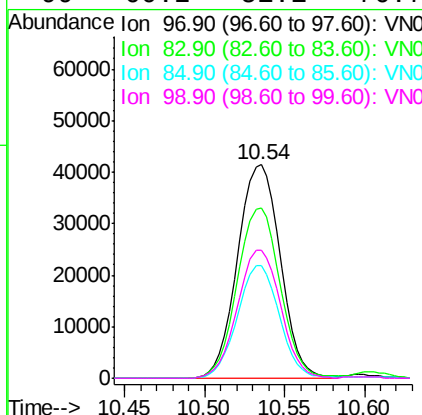
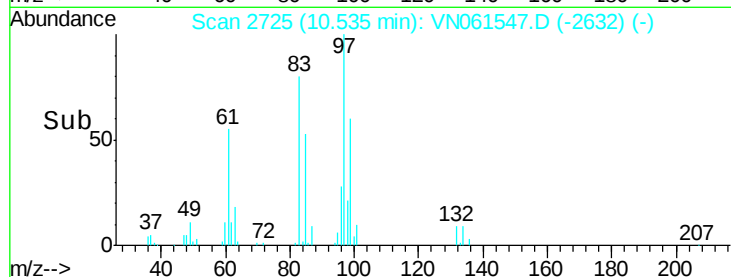
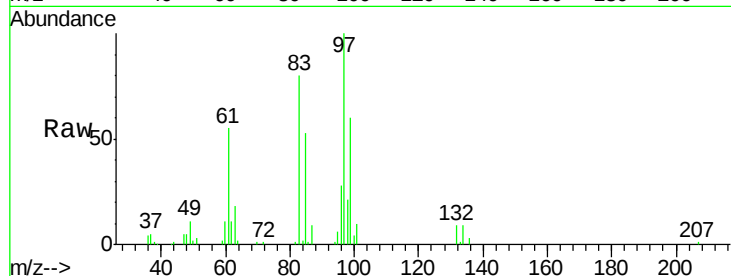
#55
 1,1,2-Trichloroethane
 Concen: 18.293 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion:	97	Resp:	75850
Ion	Ratio	Lower	Upper
97	100		
83	80.0	68.1	102.1
85	52.7	44.1	66.1
99	60.2	51.1	76.7

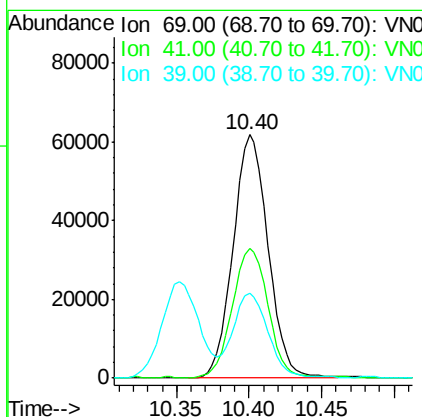
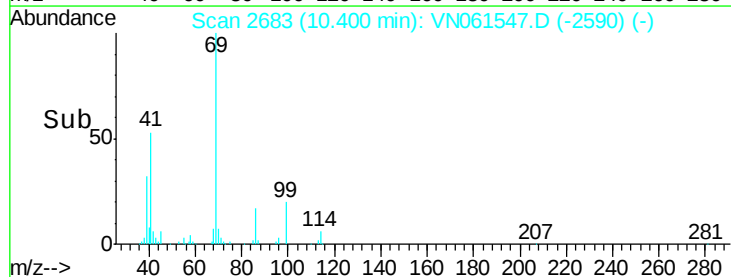
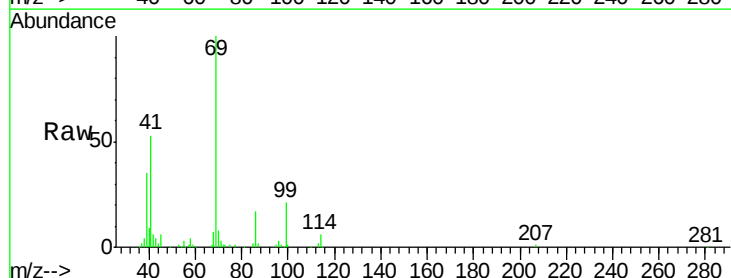
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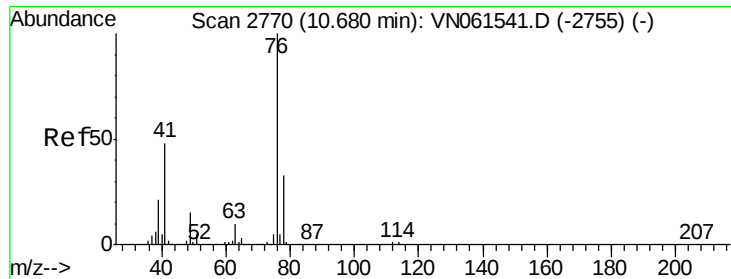
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#56
 Ethyl methacrylate
 Concen: 17.885 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion:	69	Resp:	103594
Ion	Ratio	Lower	Upper
69	100		
41	54.0	43.5	65.3
39	35.6	27.0	40.6





#57

1,3-Dichloropropane

Concen: 18.126 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 76 Resp: 120204

Ion Ratio Lower Upper

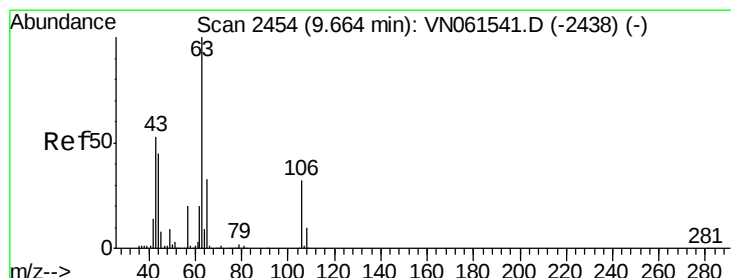
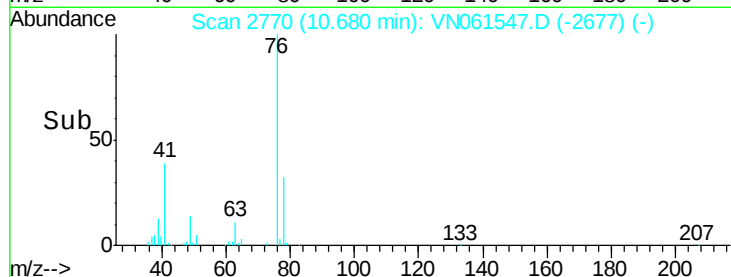
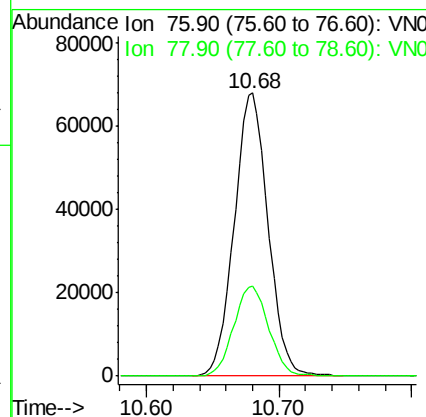
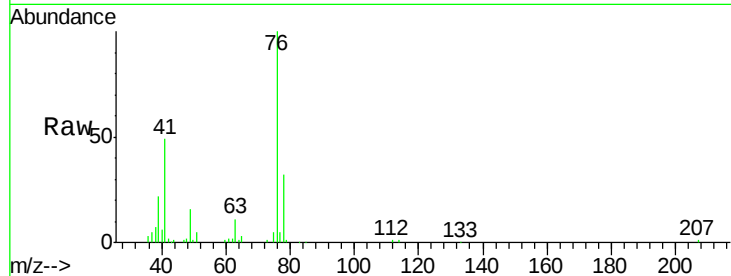
76 100

78 32.8 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 90.531 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061547.D

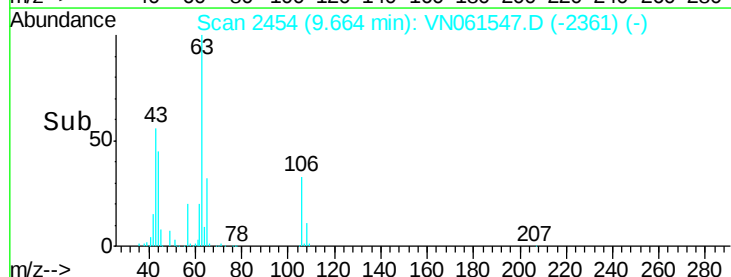
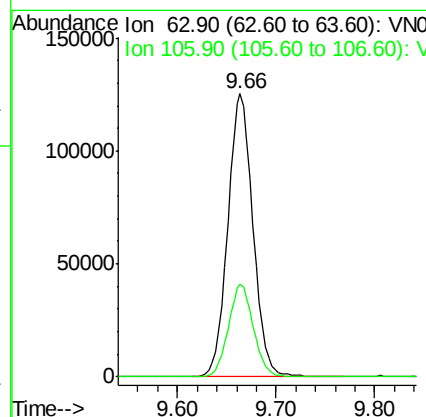
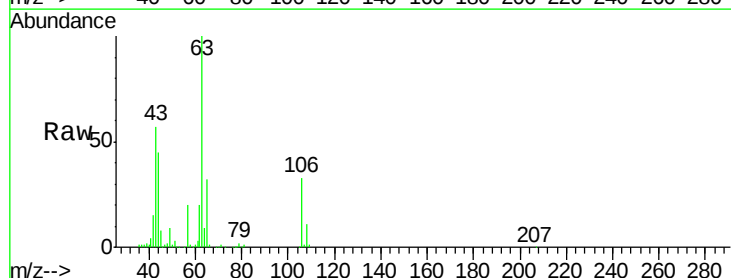
Acq: 28 May 2020 22:26

Tgt Ion: 63 Resp: 224091

Ion Ratio Lower Upper

63 100

106 32.4 25.9 38.9





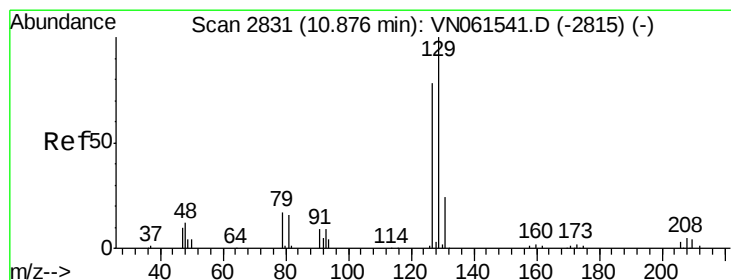
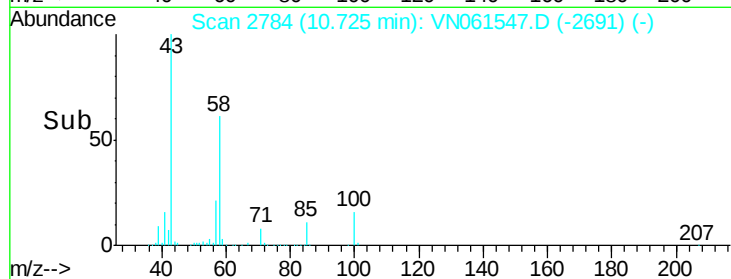
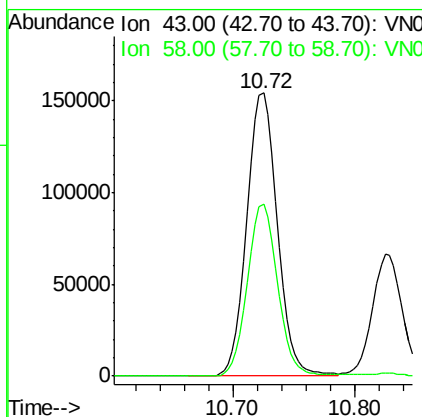
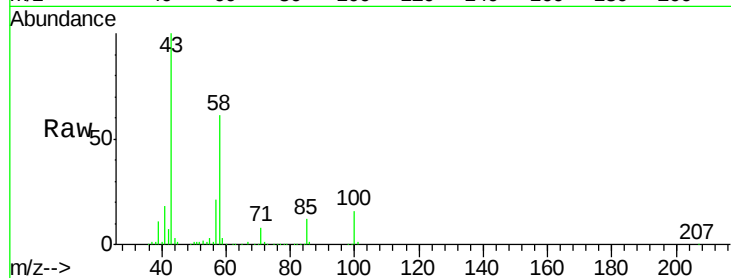
#59
2-Hexanone
Concen: 87.849 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion: 43 Resp: 266253
Ion Ratio Lower Upper
43 100
58 60.0 30.7 92.1

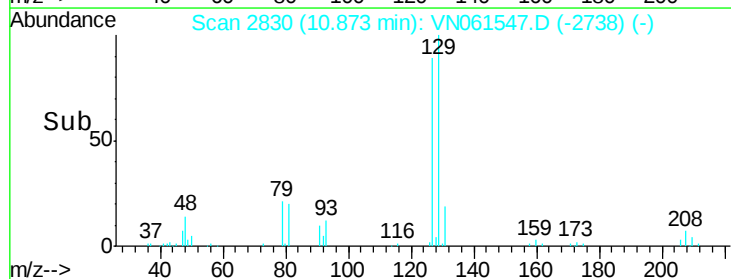
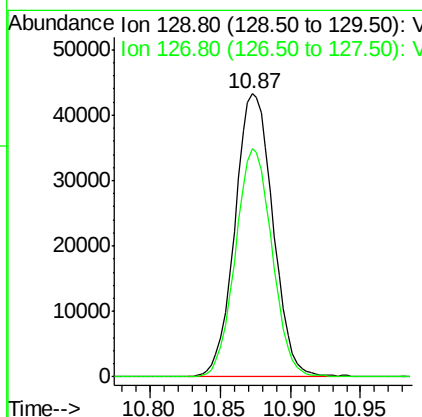
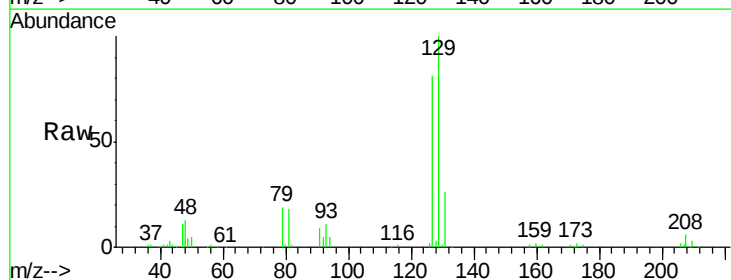
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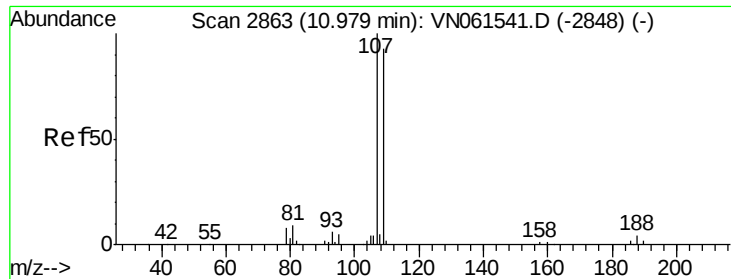
MMDadoda
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#60
Dibromochloromethane
Concen: 17.306 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 129 Resp: 81579
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 18.029 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 107 Resp: 77968

Ion Ratio Lower Upper

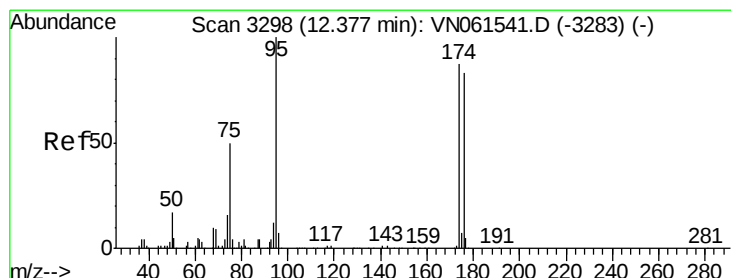
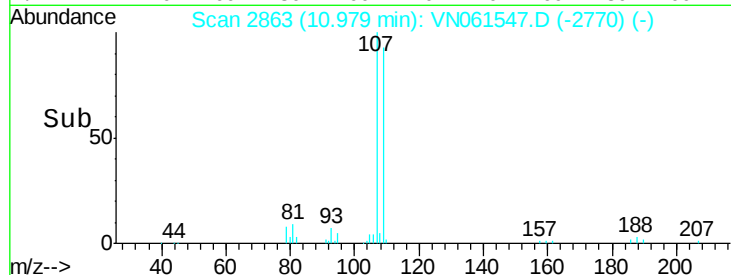
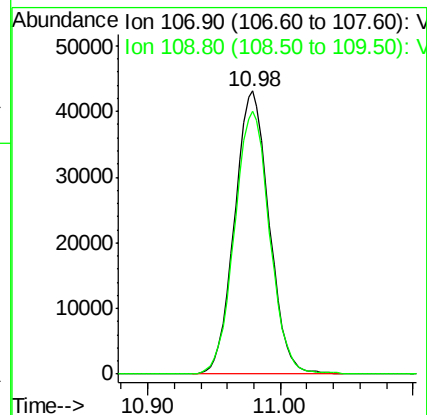
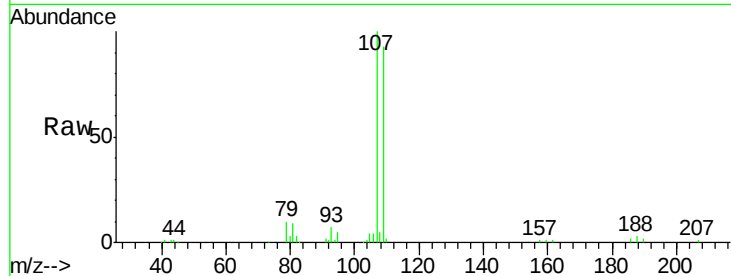
107 100

109 94.7 76.1 114.1

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#62

4-Bromofluorobenzene

Concen: 48.824 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

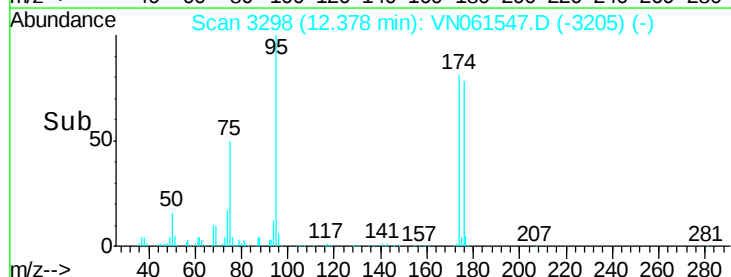
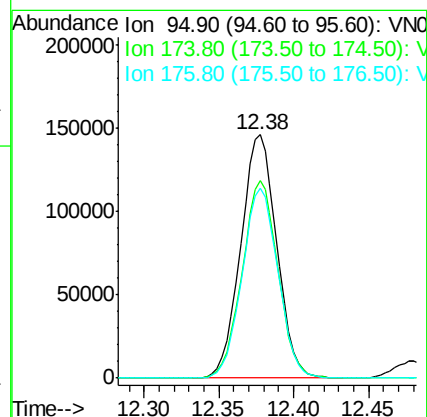
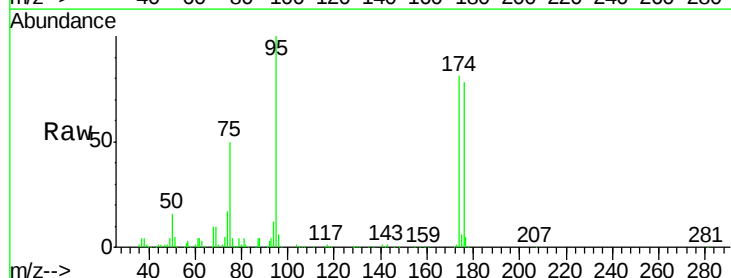
Tgt Ion: 95 Resp: 244461

Ion Ratio Lower Upper

95 100

174 80.5 0.0 172.8

176 78.1 0.0 164.8





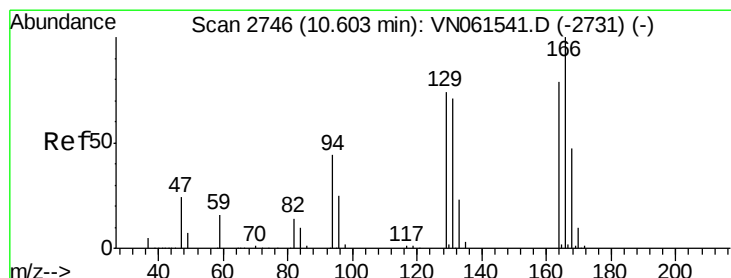
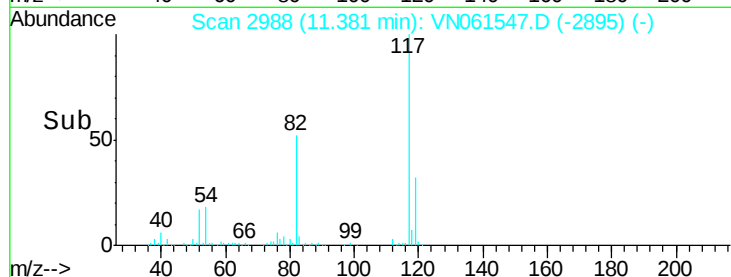
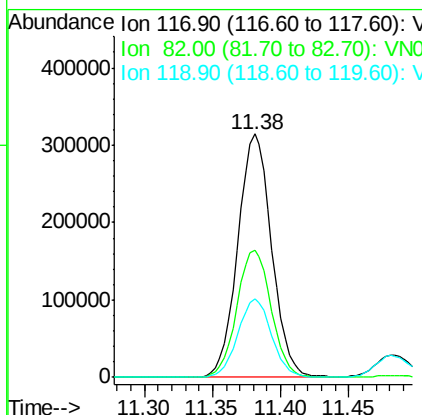
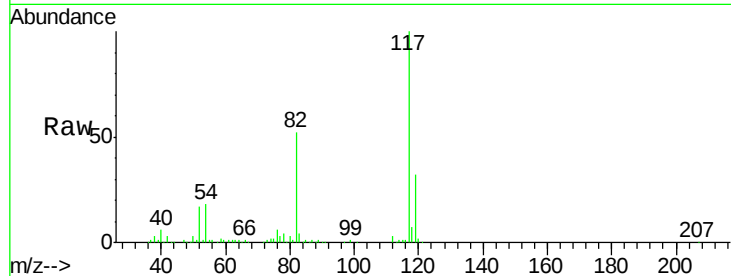
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.5	62.3
119	32.0	25.6	38.4

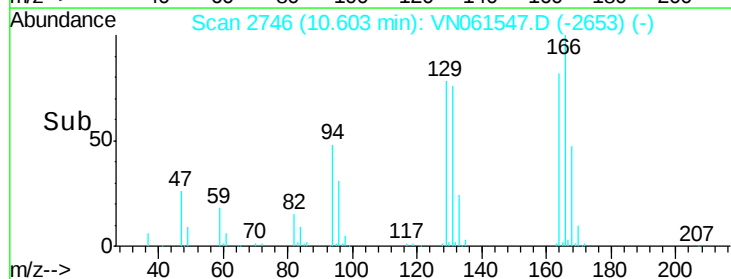
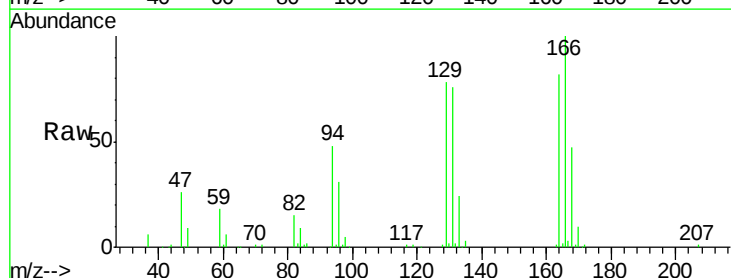
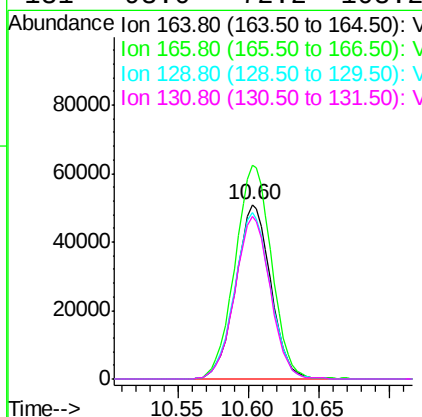
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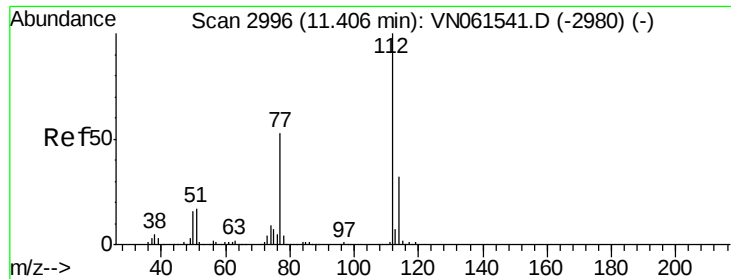
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#64
Tetrachloroethene
Concen: 17.404 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	101.5	152.3
129	95.7	74.9	112.3
131	93.0	72.2	108.2





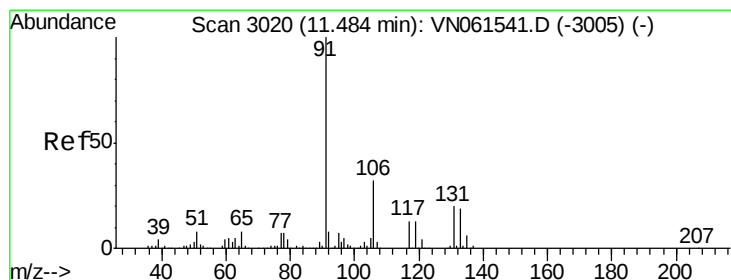
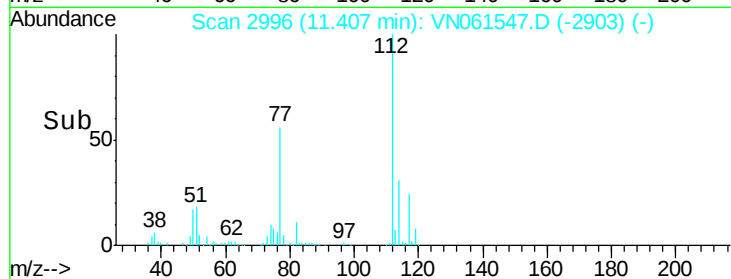
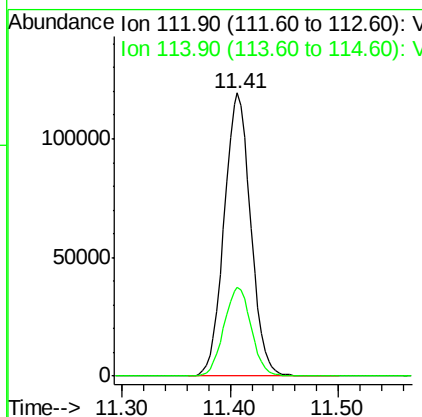
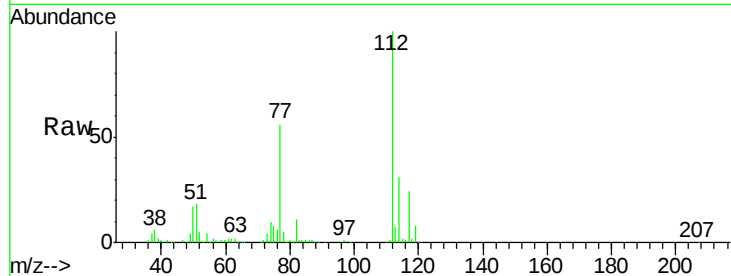
#65
Chlorobenzene
Concen: 18.187 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion:112 Resp: 204702
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

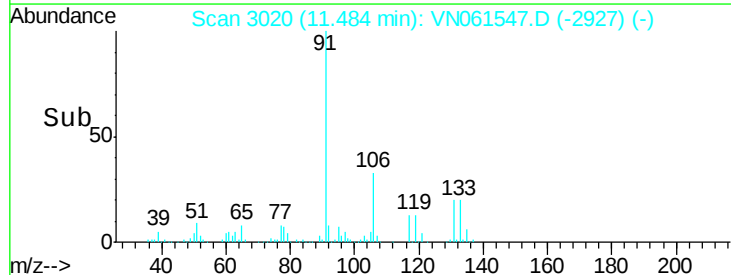
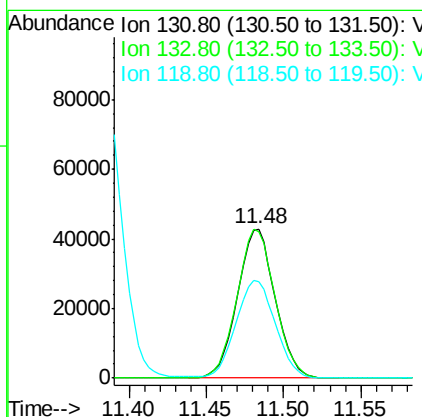
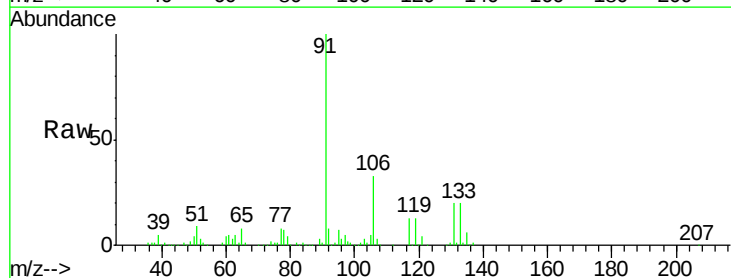
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.317 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion:131 Resp: 72572
Ion Ratio Lower Upper
131 100
133 100.7 47.4 142.2
119 68.1 32.6 97.8





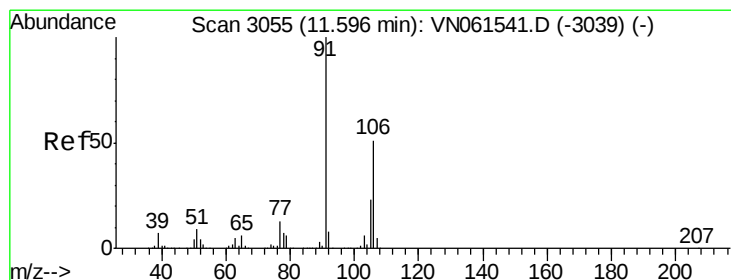
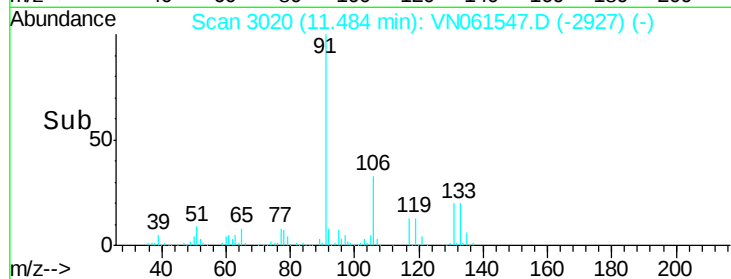
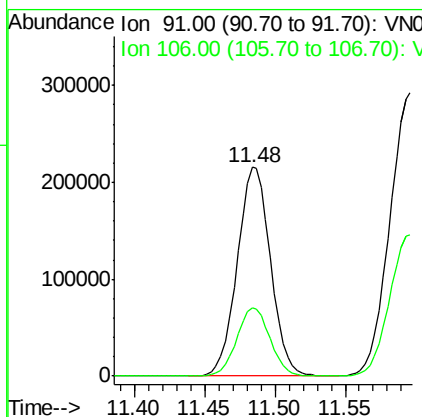
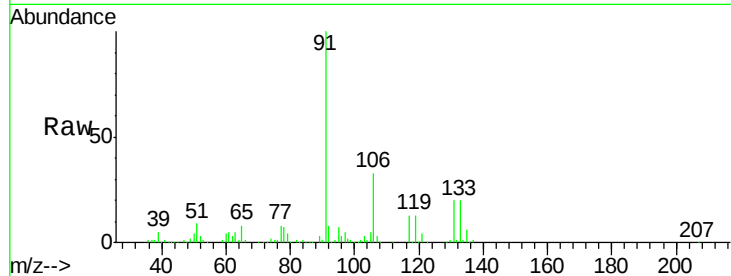
#67
Ethyl Benzene
Concen: 18.345 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	91	Resp	356878
Ion Ratio	100	Lower	Upper
106	32.8	25.6	38.4

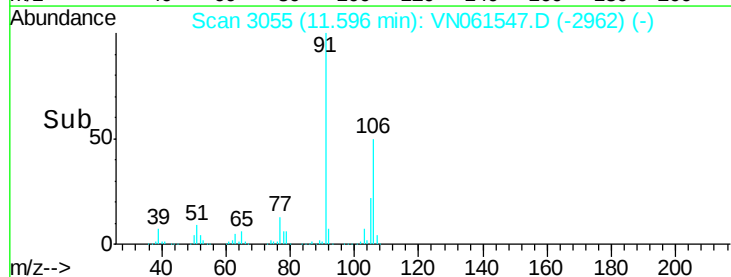
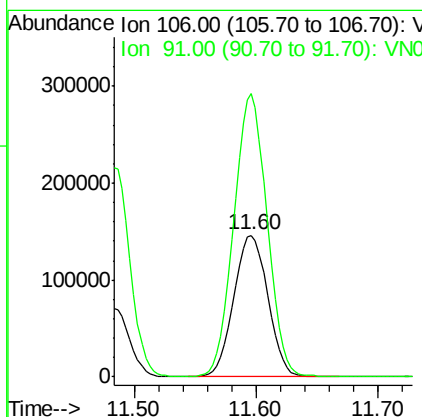
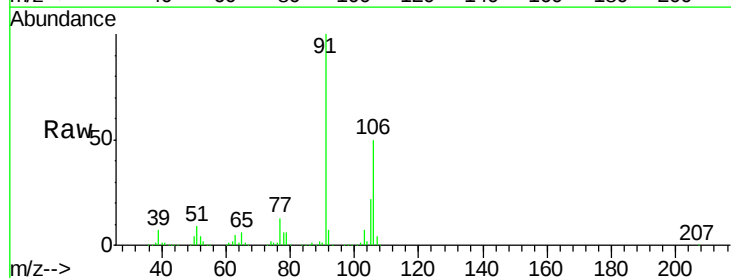
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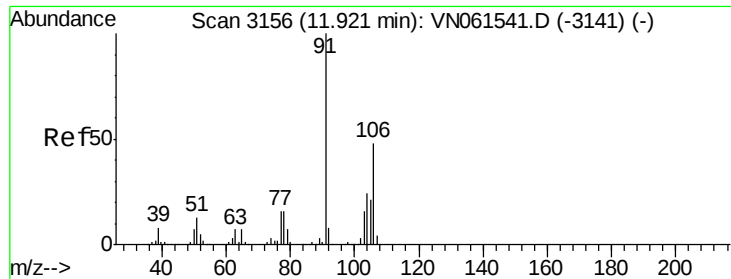
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#68
m/p-Xylenes
Concen: 36.507 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	106	Resp	281591
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	195.4	156.2	234.4





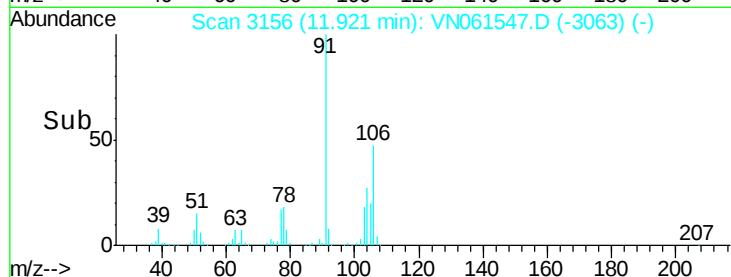
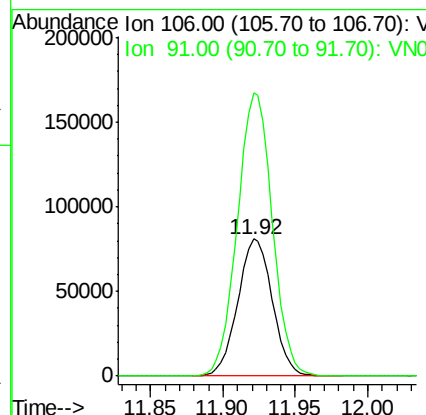
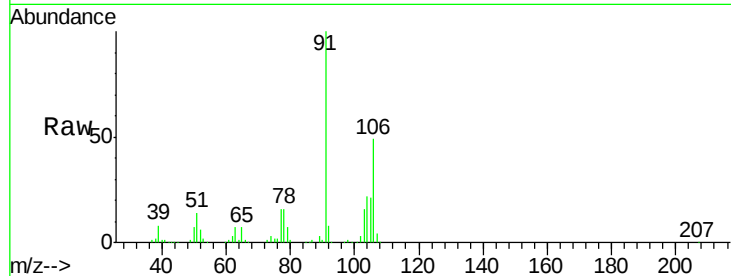
#69
o-Xylene
Concen: 18.353 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	134459		
91	91	208.2	103.3	309.8	

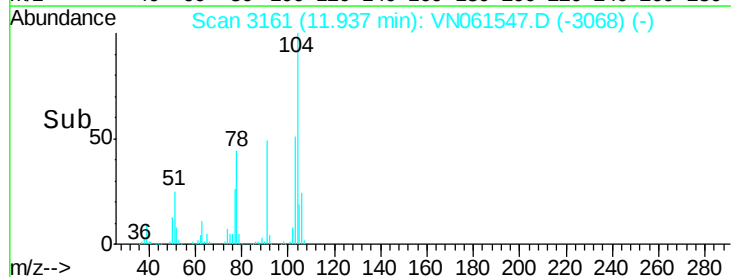
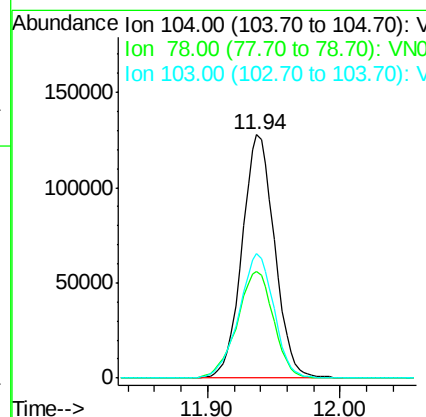
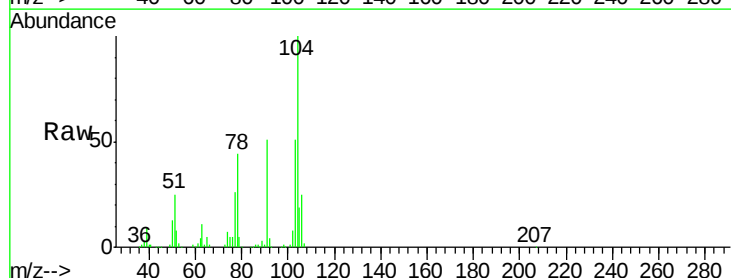
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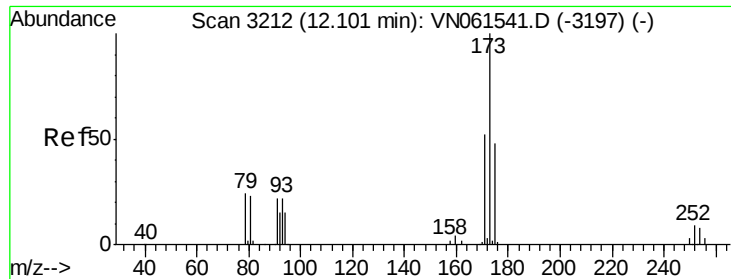
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#70
Styrene
Concen: 17.952 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	217803		
78	78	49.1	37.4	56.0	
103	103	54.7	42.3	63.5	





#71

Bromoform

Concen: 16.346 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

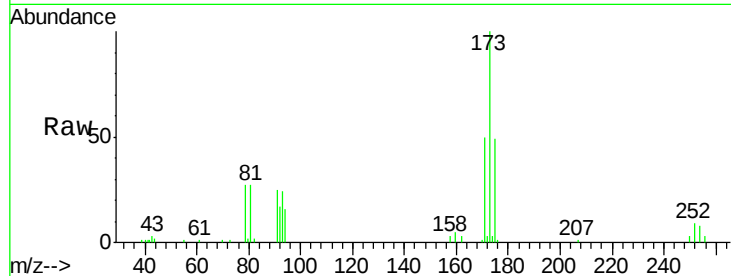
ClientSampleId :

VN0528WBSD01

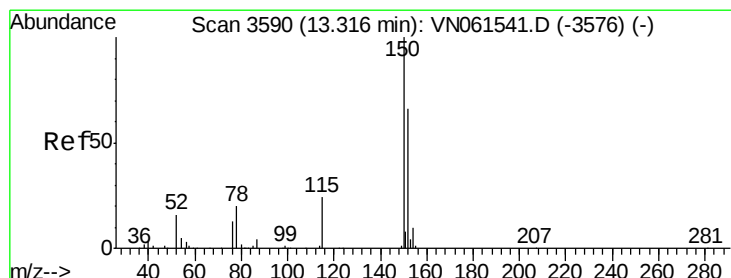
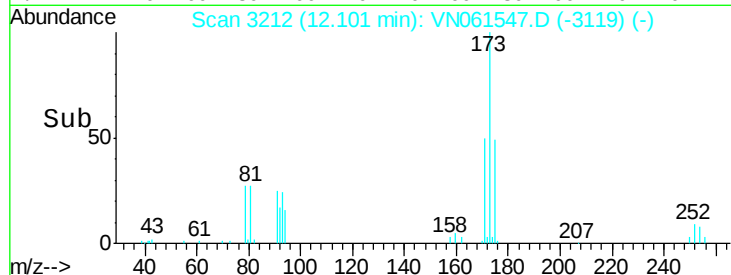
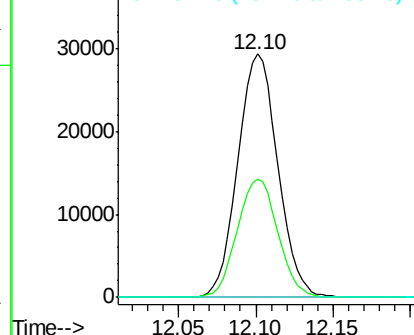
Tot Ion:173	Resp:	52788
Ion Ratio	Lower	Upper
173 100		
175 49.3	24.4	73.2
254 0.0	0.0	0.0

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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

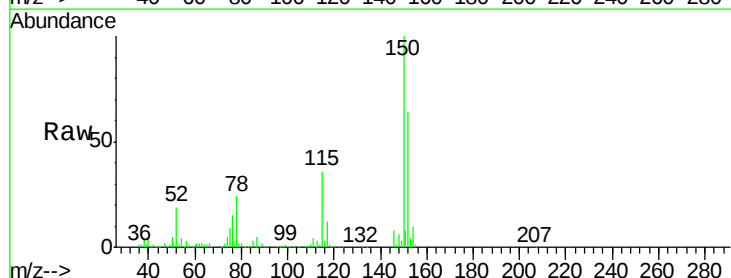
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

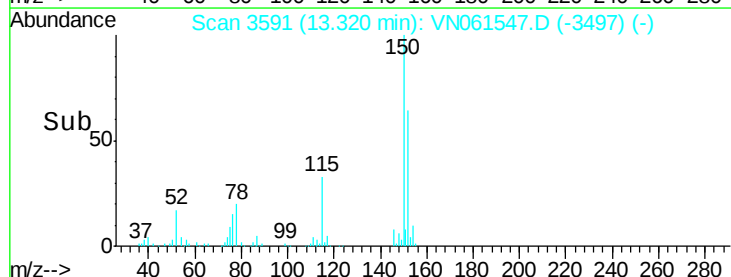
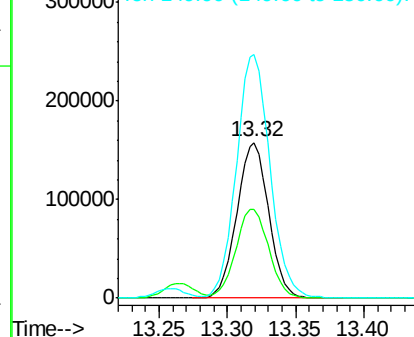
Lab File: VN061547.D

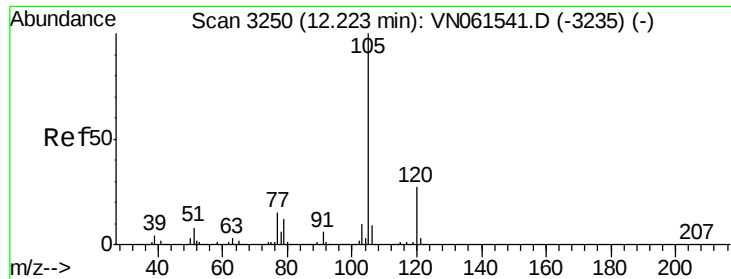
Acq: 28 May 2020 22:26

Tgt Ion:152	Resp:	255983
Ion Ratio	Lower	Upper
152 100		
115 59.2	28.0	84.0
150 164.7	0.0	344.0



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: 18.981 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion:105 Resp: 354628

Ion Ratio Lower Upper

105 100

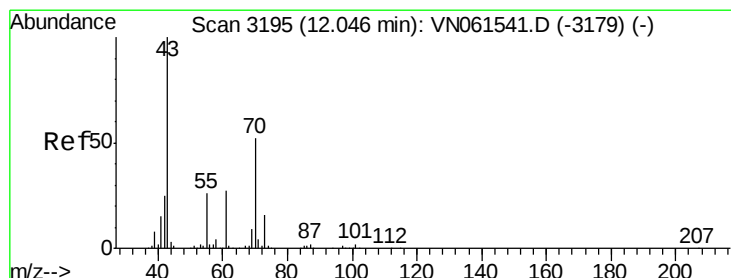
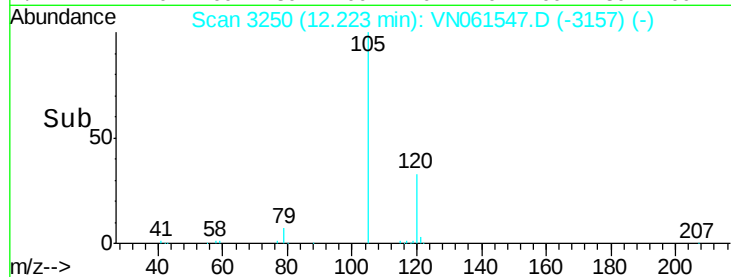
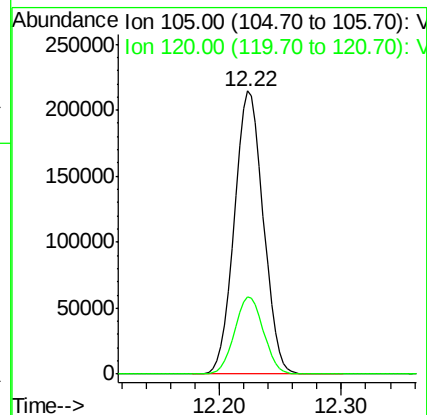
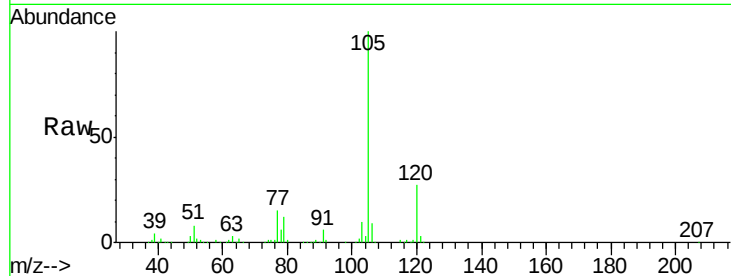
120 27.2 13.8 41.3

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#74

N-ethyl acetate

Concen: 18.595 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion: 43 Resp: 109408

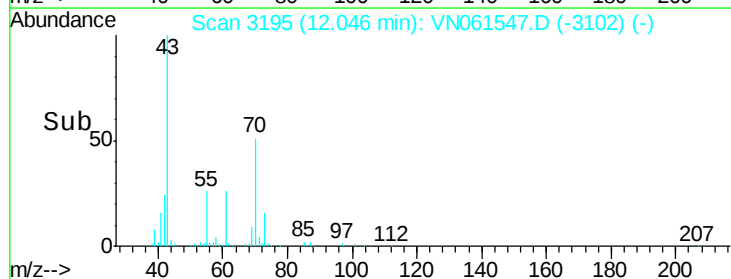
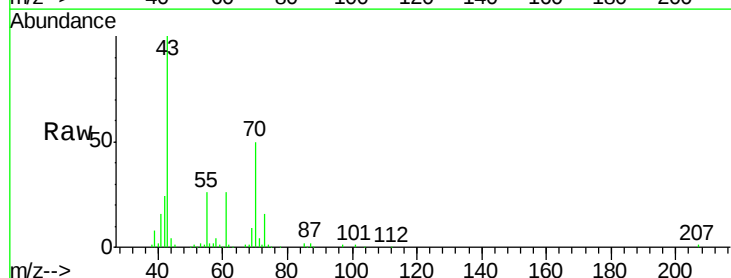
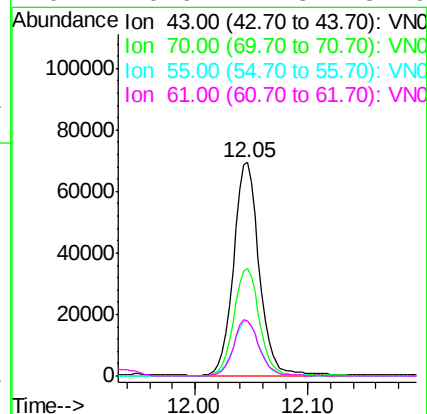
Ion Ratio Lower Upper

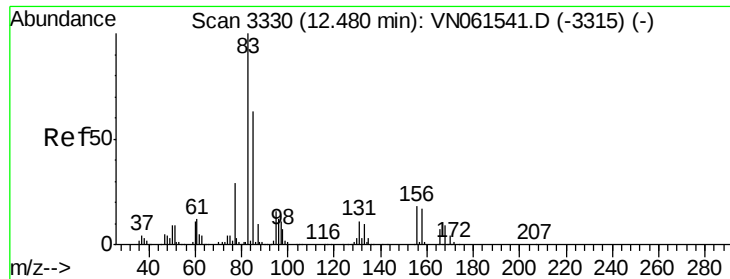
43 100

70 50.7 40.5 60.7

55 26.6 20.6 31.0

61 26.6 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.548 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

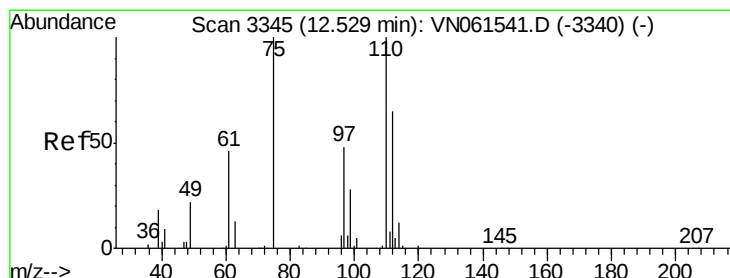
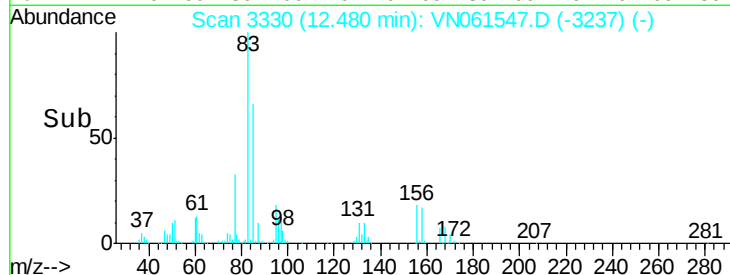
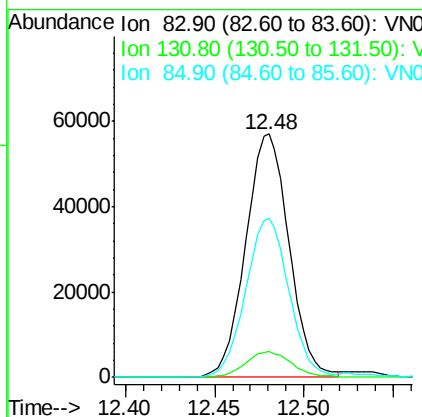
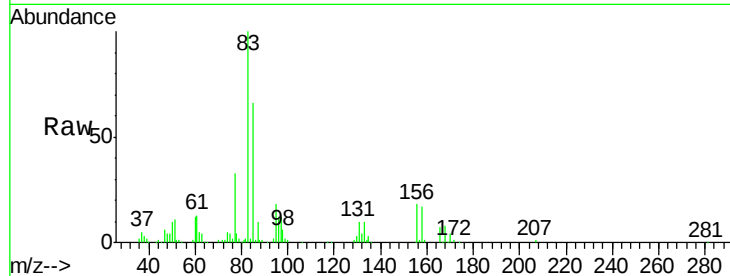
ClientSampleId :

VN0528WBSD01

Tot Ion:	83	Resp:	97110
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.5
85	65.0	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 17.951 ug/l m

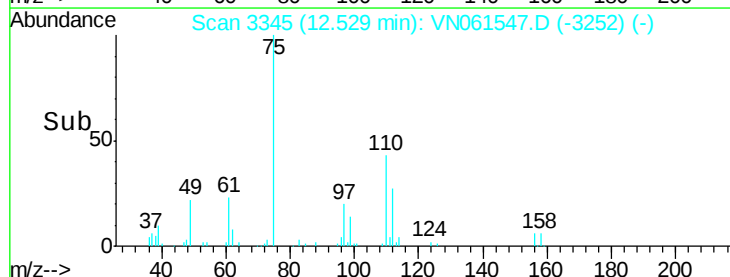
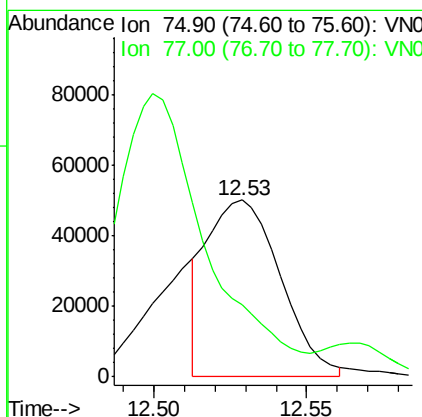
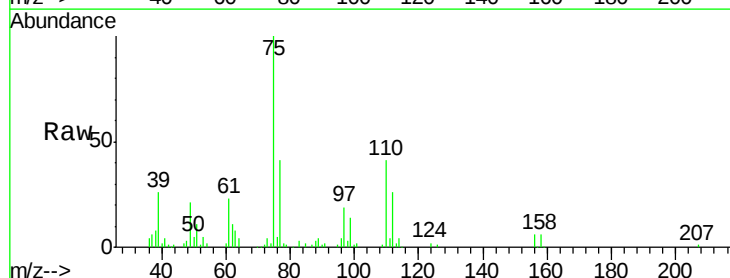
RT: 12.53 min Scan# 3345

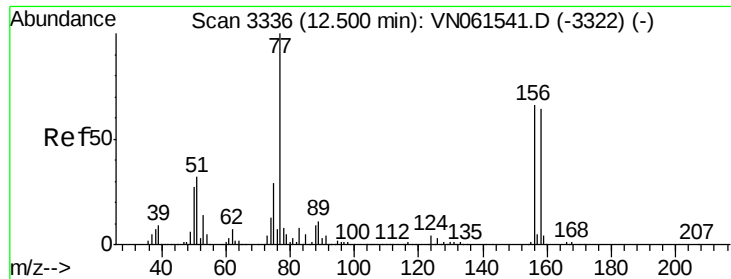
Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion:	75	Resp:	83558
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.307 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

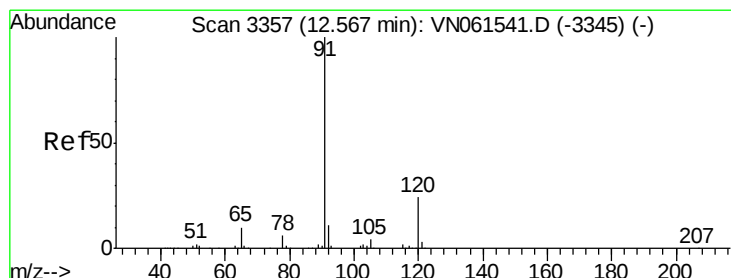
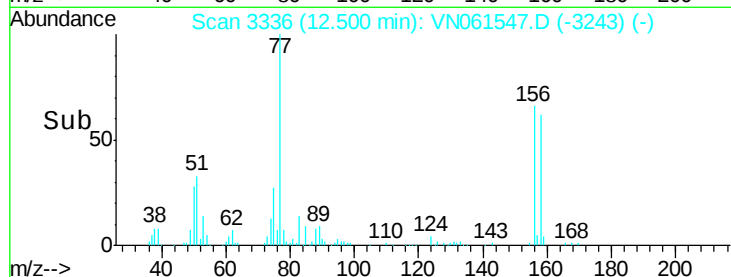
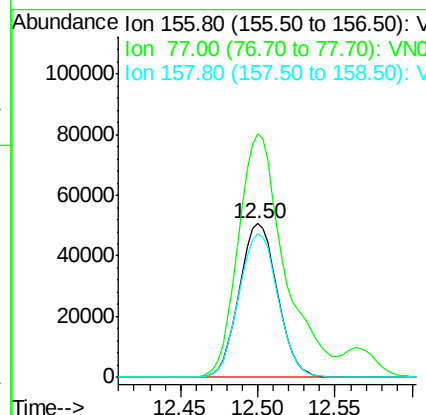
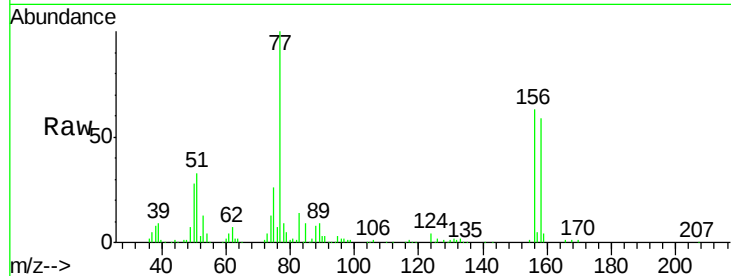
ClientSampleId :

VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.0	90.9	272.7
158	95.6	48.4	145.3

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#78

n-propylbenzene

Concen: 18.797 ug/l

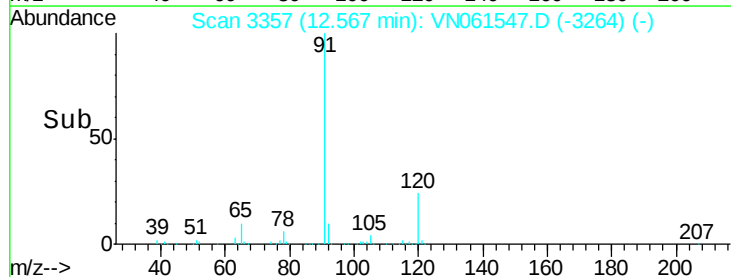
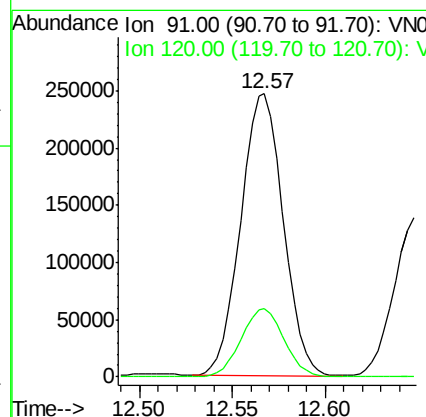
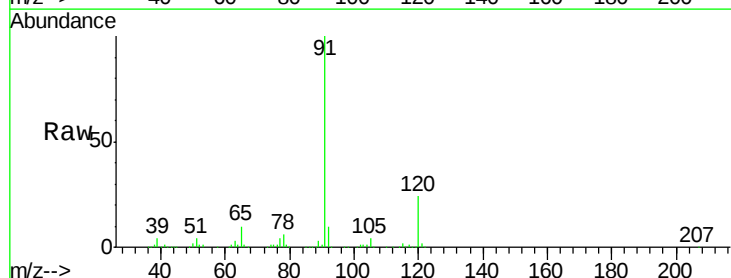
RT: 12.57 min Scan# 3357

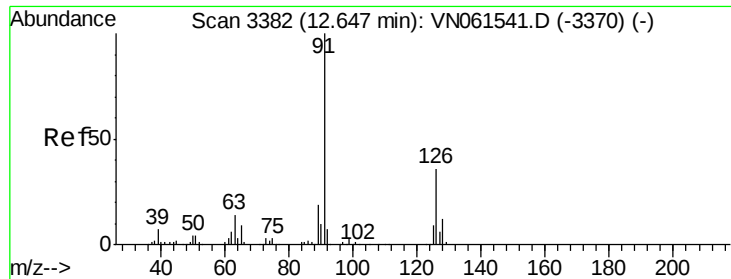
Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.9





#79

2-Chlorotoluene

Concen: 18.781 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion: 91 Resp: 233575

Ion Ratio Lower Upper

91 100

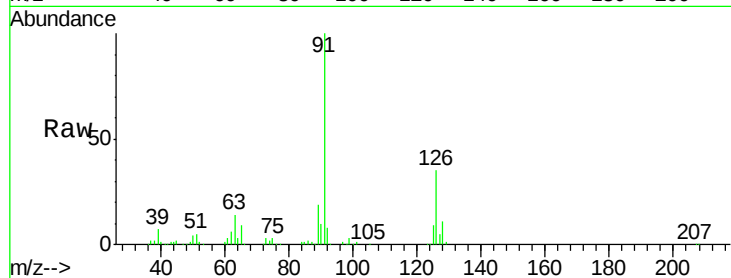
126 35.0 17.9 53.7

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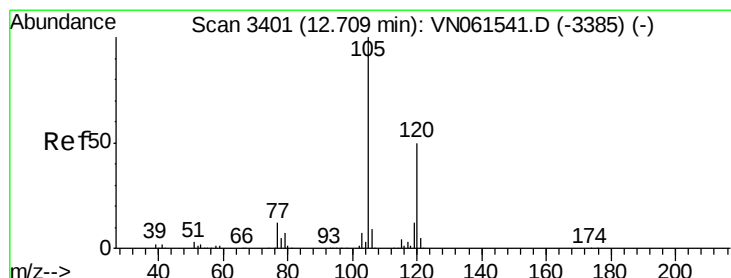
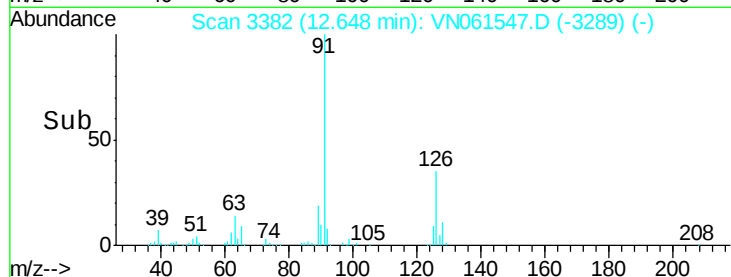
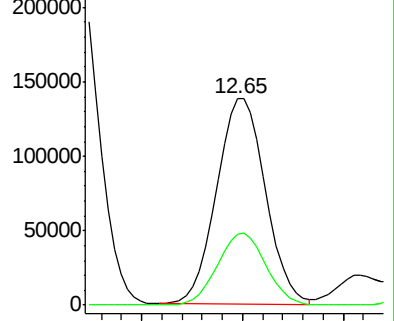
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Abundance Ion 91.00 (90.70 to 91.70): VN061547.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061547.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.890 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061547.D

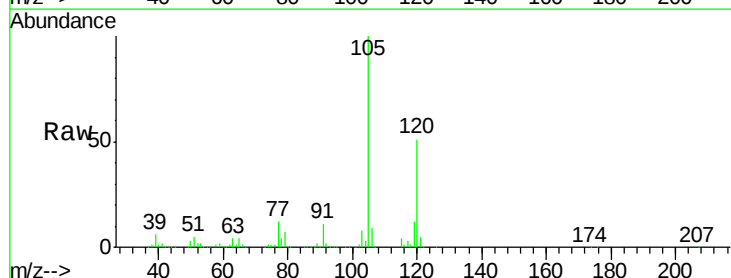
Acq: 28 May 2020 22:26

Tgt Ion: 105 Resp: 294989

Ion Ratio Lower Upper

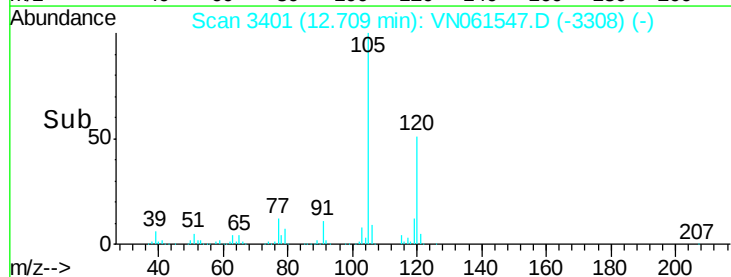
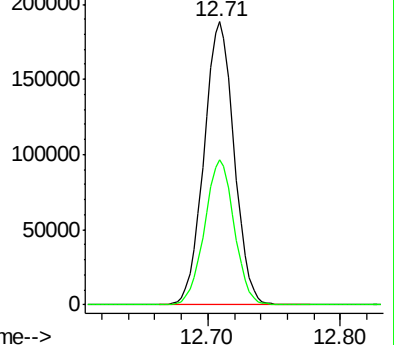
105 100

120 50.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061547.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061547.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.753 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

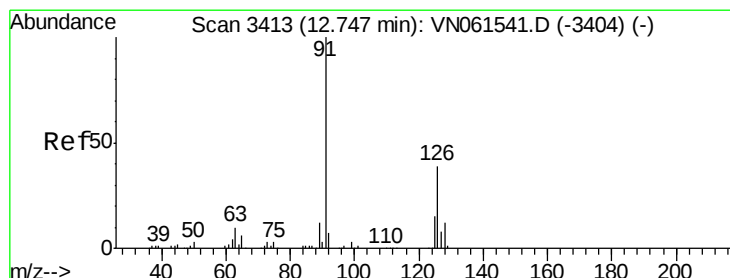
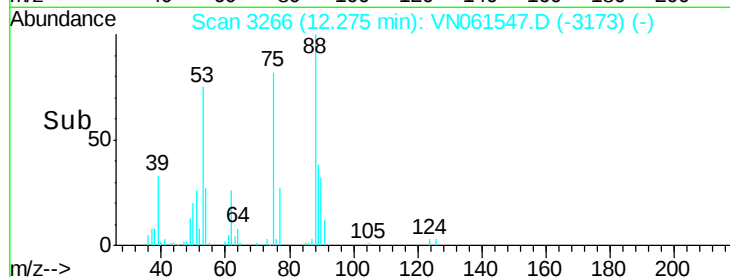
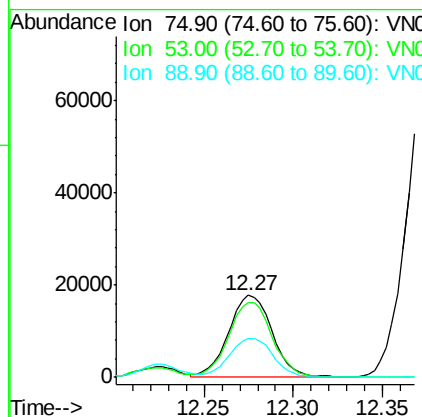
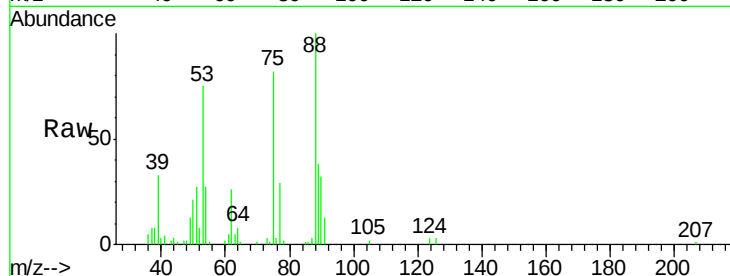
ClientSampleId :

VN0528WBSD01

Tot Ion:	75	Resp:	30494
Ion	Ratio	Lower	Upper
75	100		
53	91.4	67.8	101.8
89	47.3	37.1	55.7

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#82

4-Chlorotoluene

Concen: 18.493 ug/l

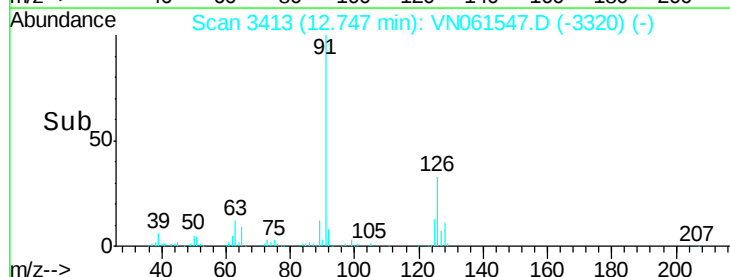
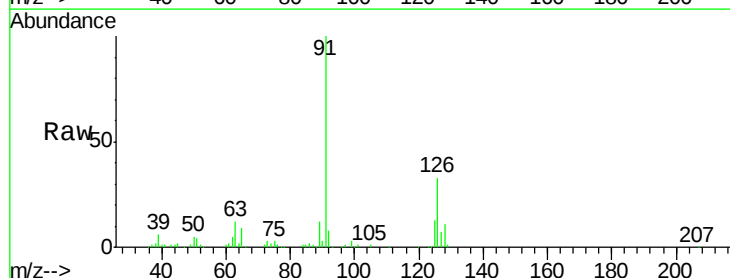
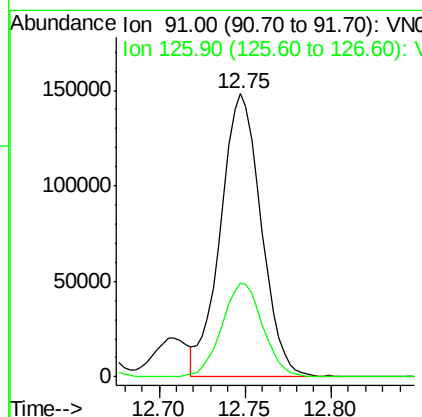
RT: 12.75 min Scan# 3413

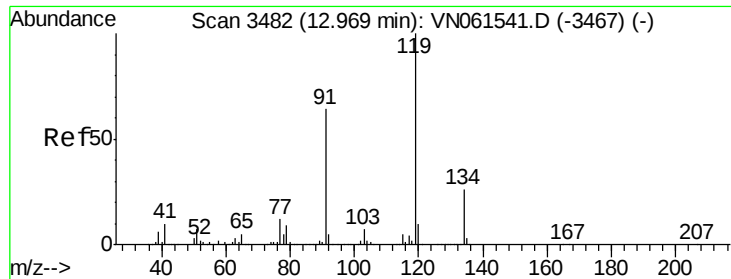
Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion:	91	Resp:	241968
Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.5	52.6





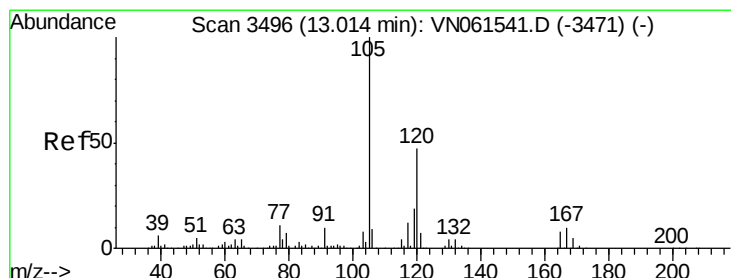
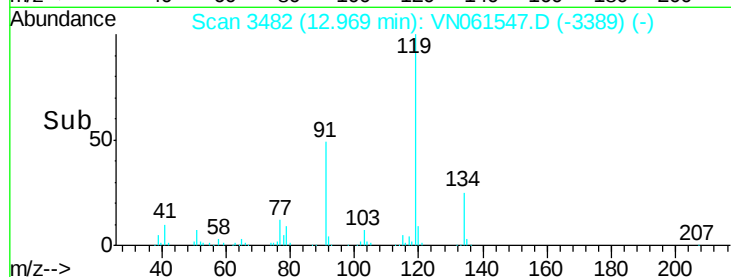
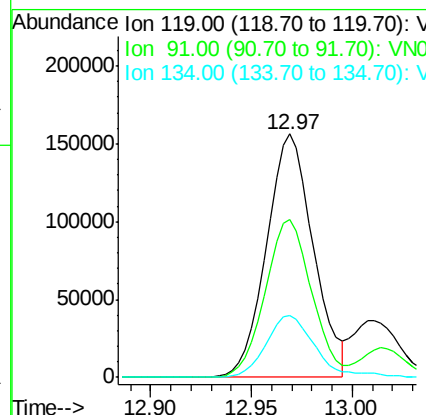
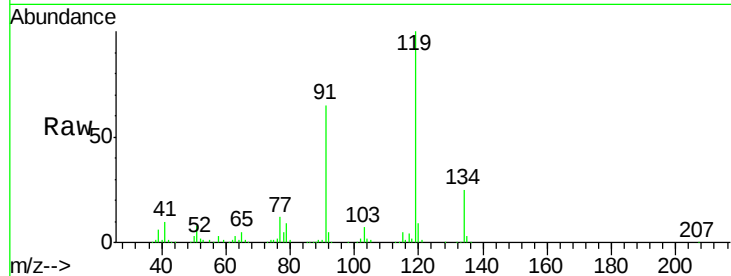
#83
tert-Butylbenzene
Concen: 18.291 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	252373		
91	64.7	31.3	93.8	
134	26.8	13.5	40.4	

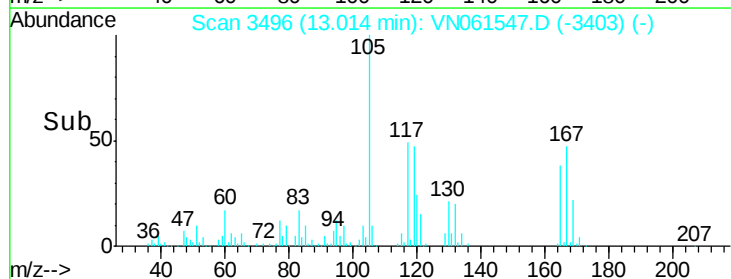
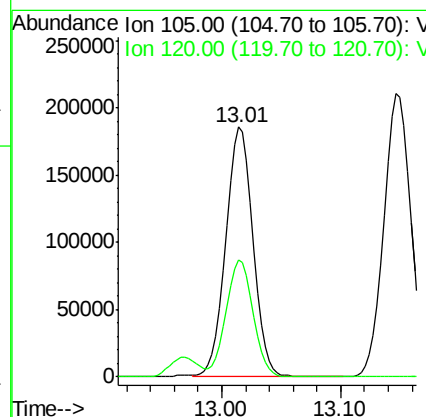
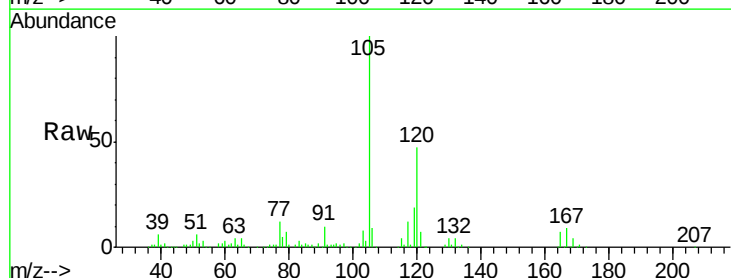
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 18.917 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293463		
120	46.3	23.2	69.5	





#85

sec-Butylbenzene

Concen: 18.810 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

VN0528WBSD01

Tot Ion:105 Resp: 334422

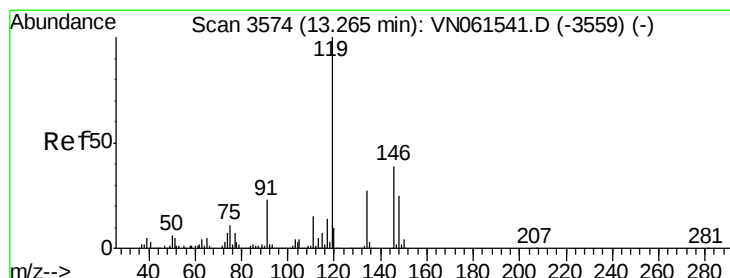
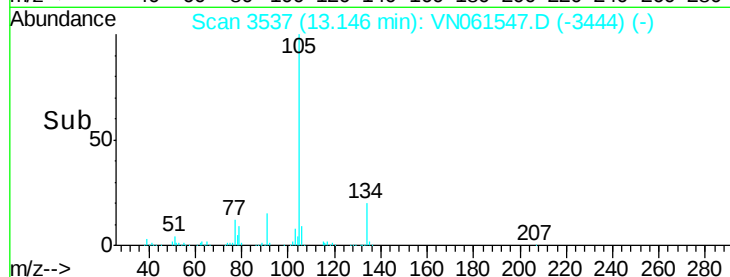
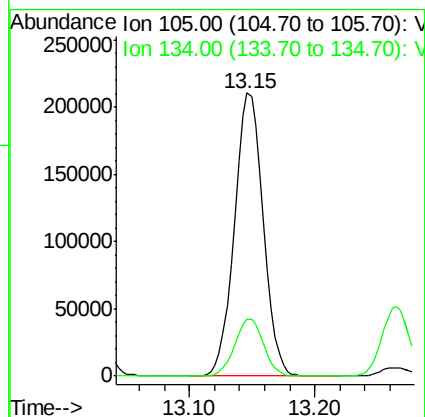
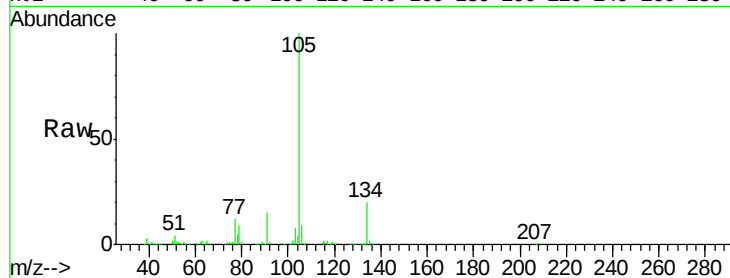
Ion Ratio Lower Upper

105 100

134 20.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 18.542 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

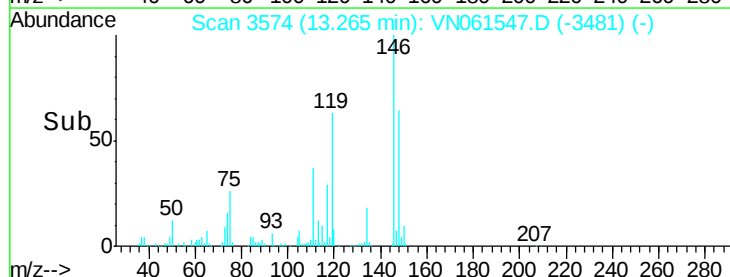
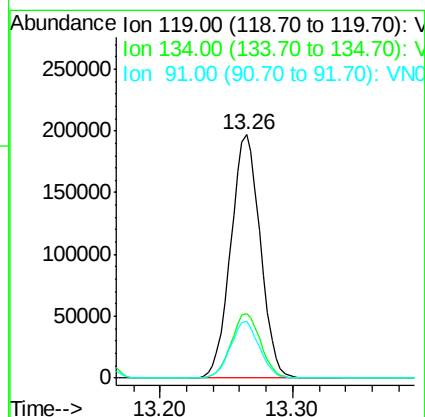
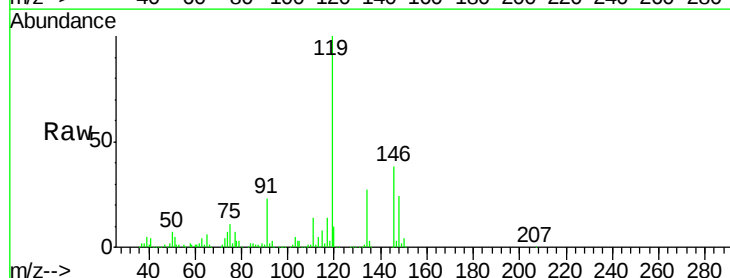
Tgt Ion:119 Resp: 303581

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 23.0 11.4 34.1





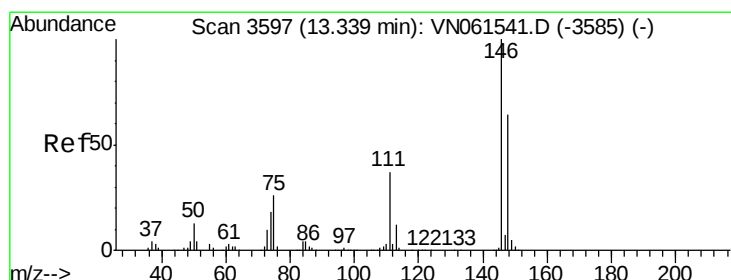
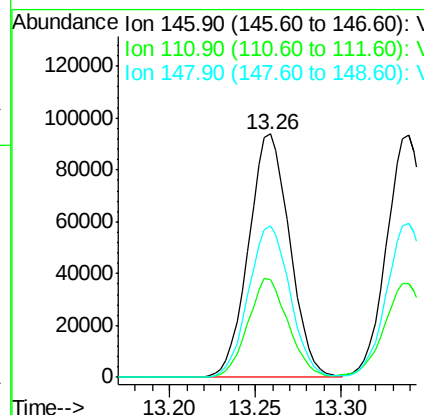
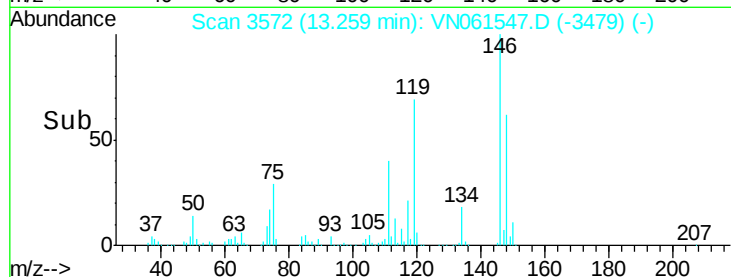
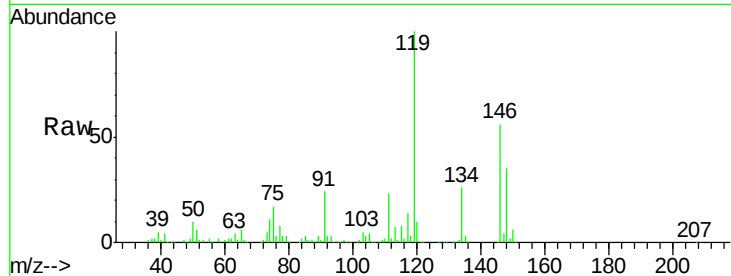
#87
 1,3-Dichlorobenzene
 Concen: 18.452 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155829		
111	39.7	19.2	57.6	
148	62.8	31.7	95.1	

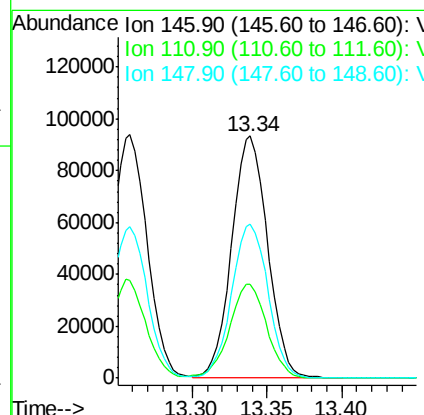
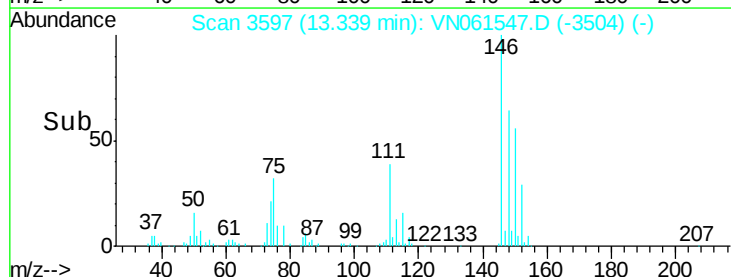
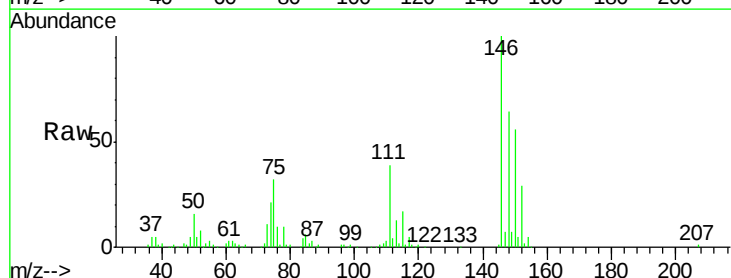
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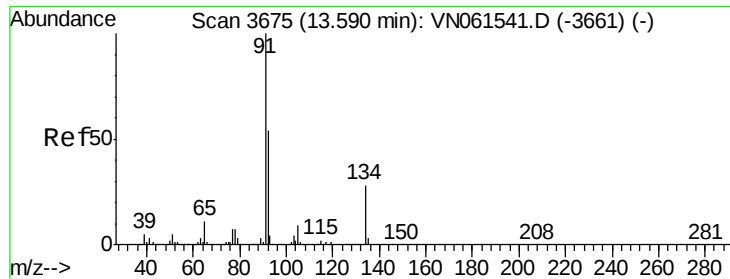
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#88
 1,4-Dichlorobenzene
 Concen: 18.196 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	156549		
111	40.0	18.9	56.9	
148	64.2	31.8	95.3	





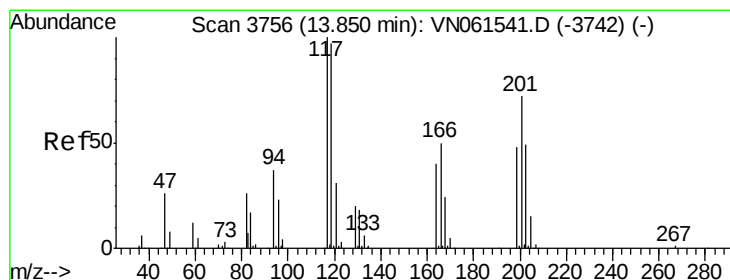
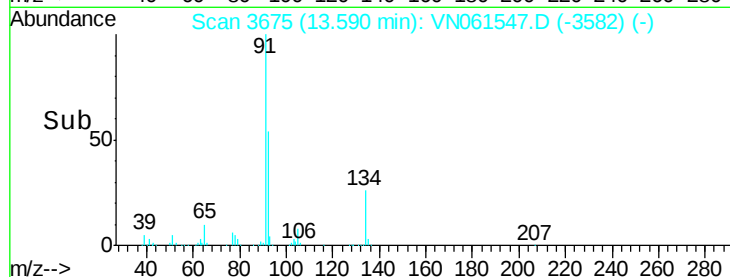
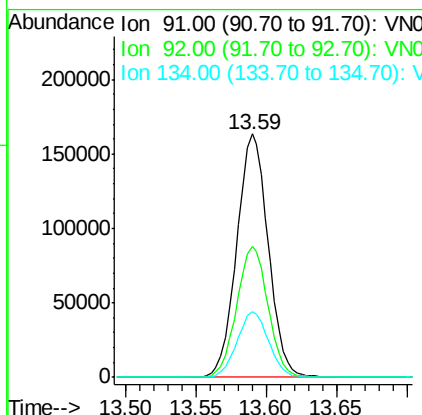
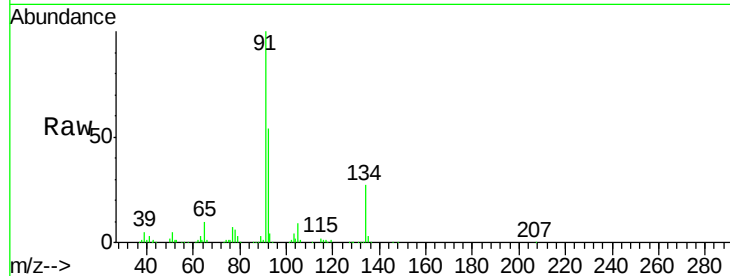
#89
n-Butylbenzene
Concen: 18.653 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :
VN0528WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	26.9	14.0	42.0

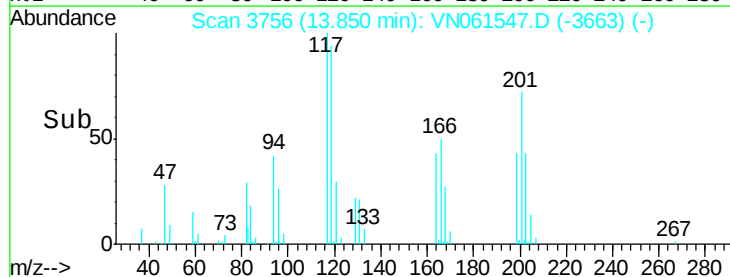
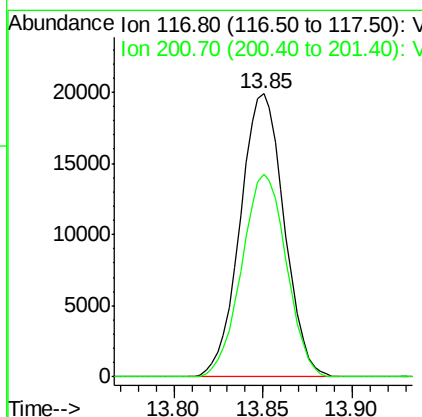
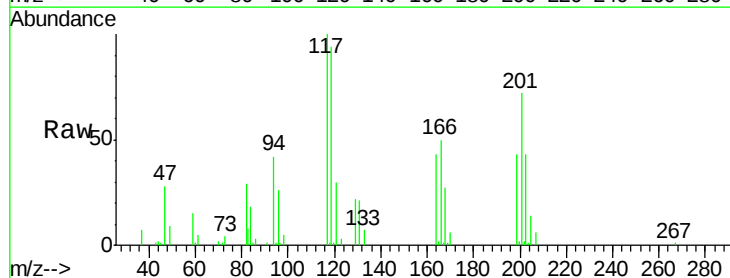
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#90
Hexachloroethane
Concen: 18.902 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	36.7	110.1





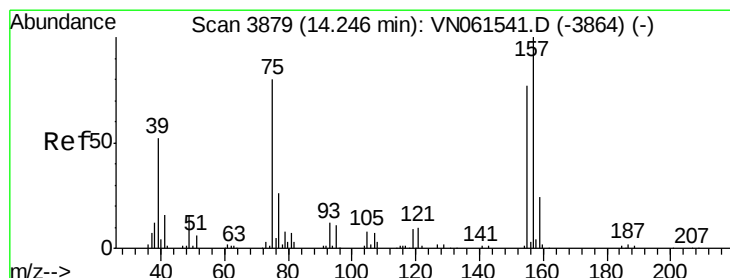
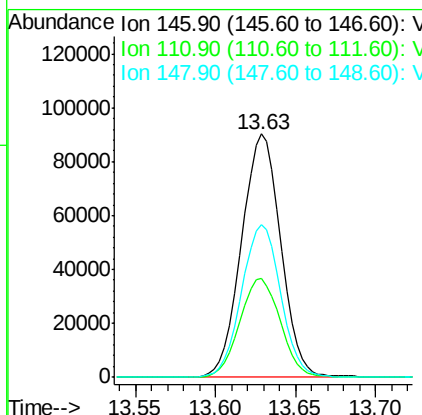
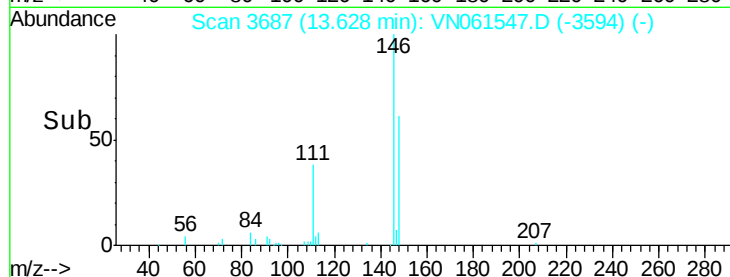
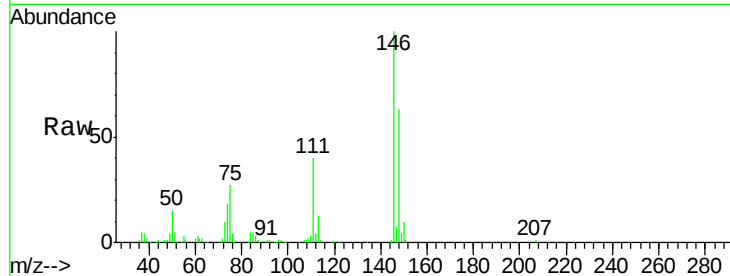
#91
 1,2-Dichlorobenzene
 Concen: 18.762 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion:	146	Resp:	151417
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.1	60.2
148	62.7	31.9	95.5

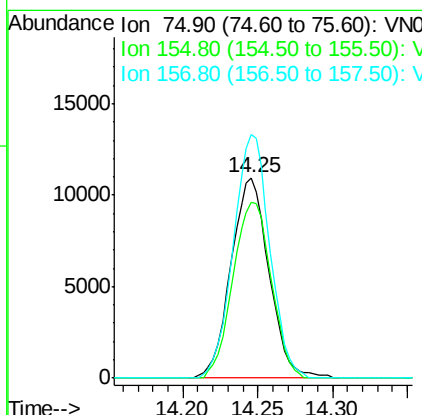
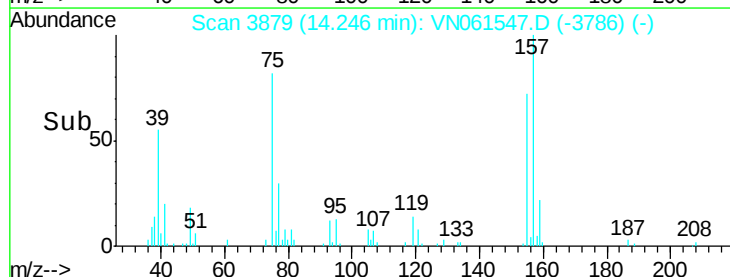
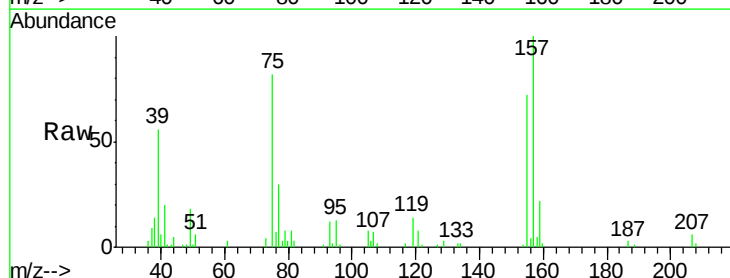
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.108 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion:	75	Resp:	19336
Ion Ratio	Lower	Upper	
75	100		
155	88.3	47.1	141.4
157	116.4	60.3	180.8





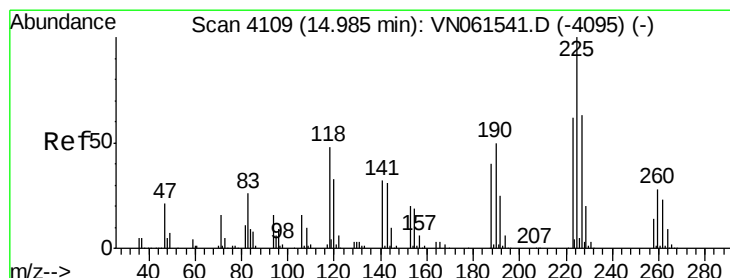
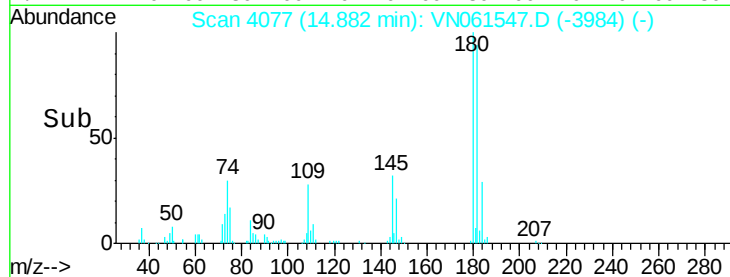
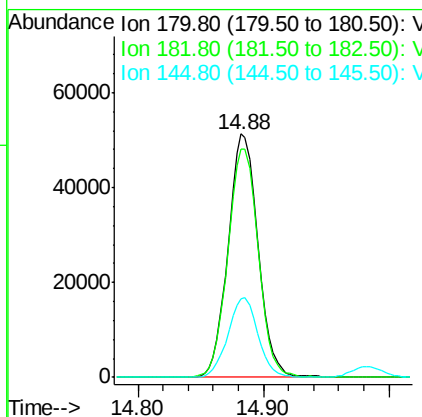
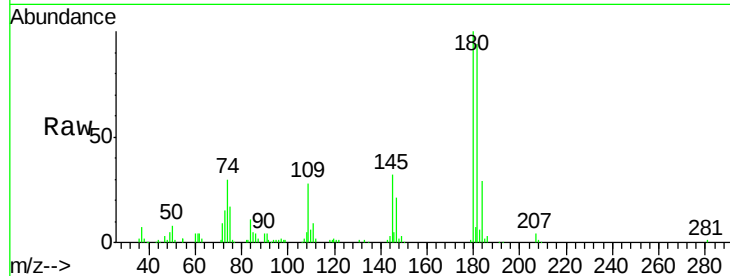
#93
 1,2,4-Trichlorobenzene
 Concen: 17.966 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	84799		
182	95.6	47.8	143.3	
145	32.8	15.5	46.5	

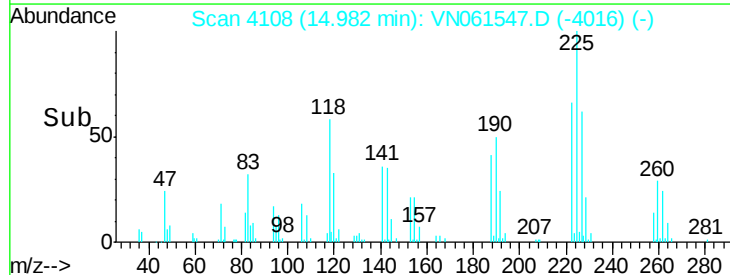
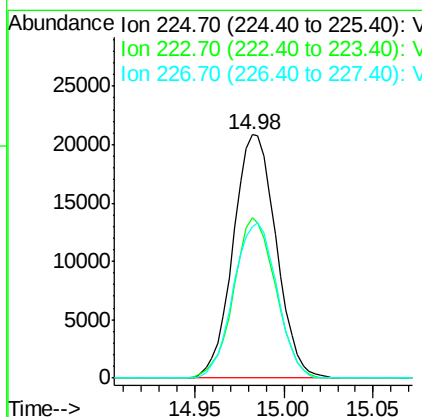
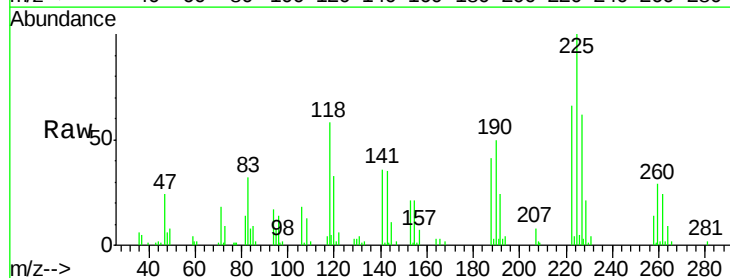
Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:50:24 PM



#94
 Hexachlorobutadiene
 Concen: 17.294 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34814		
223	64.6	31.9	95.5	
227	64.7	31.9	95.9	





#95

Naphthalene

Concen: 19.203 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

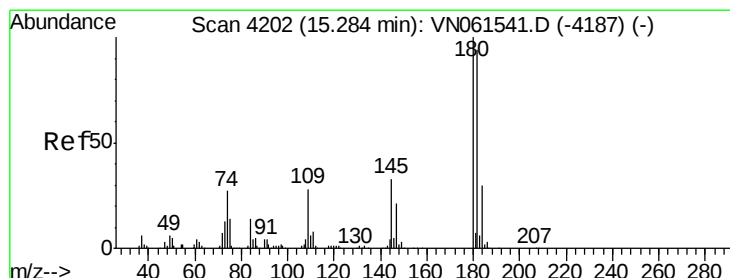
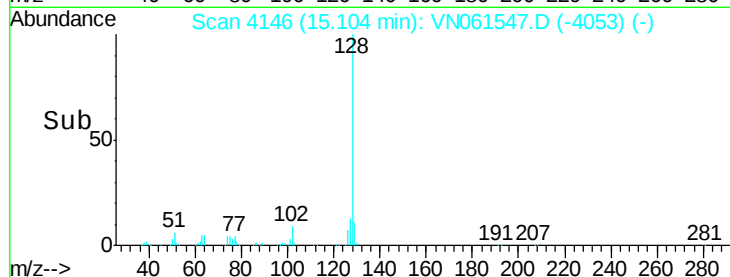
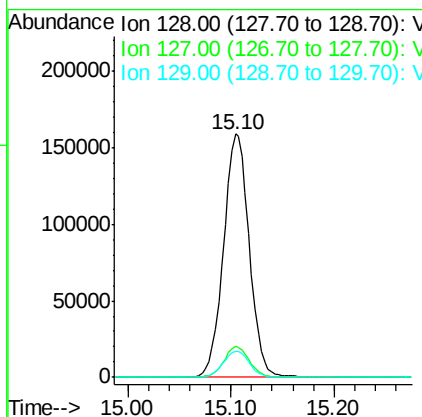
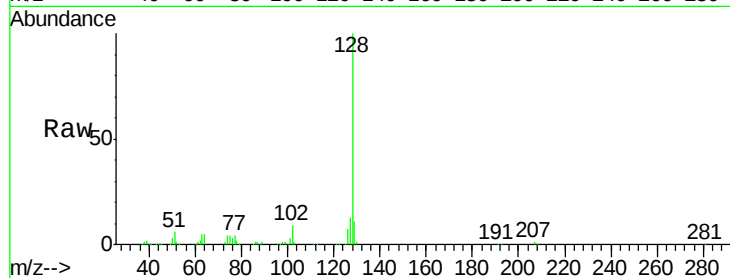
ClientSampleId :

VN0528WBSD01

Tot Ion:	128	Resp:	275873
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 5:50:24 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.291 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion:	180	Resp:	84882
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.1	141.3
145	33.9	16.3	48.9

