

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061621.D
 Acq On : 2 Jun 2020 16:02
 Operator : JC/MD
 Sample : VN0602MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:32:28 AM

Quant Time: Jun 03 03:27:32 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	7.62	168	351340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	576616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	532677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	136577	32.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.26%	
35) Dibromofluoromethane	7.54	113	106811	36.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.04%	
50) Toluene-d8	10.06	98	453642	33.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.94%	
62) 4-Bromofluorobenzene	12.37	95	166380	33.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	77626	19.845	ug/l	99
3) Chloromethane	2.03	50	84787	19.786	ug/l	100
4) Vinyl Chloride	2.16	62	113460	19.321	ug/l	97
5) Bromomethane	2.54	94	71280	21.154	ug/l	98
6) Chloroethane	2.67	64	72347	19.140	ug/l	99
7) Trichlorofluoromethane	2.98	101	156104	20.614	ug/l	100
8) Diethyl Ether	3.37	74	42723	18.451	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	64939	19.325	ug/l	100
10) Methyl Iodide	3.91	142	92385	19.805	ug/l	99
11) Tert butyl alcohol	4.73	59	59257	106.427	ug/l	99
12) 1,1-Dichloroethene	3.69	96	66570	18.543	ug/l	96
13) Acrolein	3.56	56	12529	53.604	ug/l	100
14) Allyl chloride	4.27	41	84683	18.043	ug/l	97
15) Acrylonitrile	4.92	53	141525	91.065	ug/l	99
16) Acetone	3.77	43	130118	109.298	ug/l	98
17) Carbon Disulfide	4.00	76	153002	19.371	ug/l	100
18) Methyl Acetate	4.27	43	70373	18.571	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	233100	19.051	ug/l	98
20) Methylene Chloride	4.50	84	76156	18.935	ug/l	93
21) trans-1,2-Dichloroethene	4.98	96	74834	18.484	ug/l	95
22) Diisopropyl ether	5.90	45	192838	18.641	ug/l	98
23) Vinyl Acetate	5.84	43	741692	89.958	ug/l	99
24) 1,1-Dichloroethane	5.79	63	124748	19.017	ug/l	99
25) 2-Butanone	6.78	43	186148	93.831	ug/l	100
26) 2,2-Dichloropropane	6.77	77	119456	19.896	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	90901	19.828	ug/l	98
28) Bromochloromethane	7.14	49	39776	15.180	ug/l	95
29) Tetrahydrofuran	7.16	42	117365	89.715	ug/l	98
30) Chloroform	7.32	83	139255	19.189	ug/l	99
31) Cyclohexane	7.61	56	108162	18.334	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	128761	19.472	ug/l	100
36) 1,1-Dichloropropene	7.75	75	99725	19.536	ug/l	99
37) Ethyl Acetate	6.88	43	77361	18.816	ug/l	95
38) Carbon Tetrachloride	7.73	117	98680	20.042	ug/l	99

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Quant Time: Jun 03 03:27:32 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)
39) Methylcyclohexane	9.04	83	116316	18.487	ug/l	97
40) Benzene	8.00	78	303588	19.276	ug/l	99
41) Methacrylonitrile	7.12	41	28157m	14.948	ug/l	
42) 1,2-Dichloroethane	8.08	62	104608	19.839	ug/l	99
43) Isopropyl Acetate	8.12	43	136725	18.484	ug/l	93
44) Trichloroethene	8.80	130	97015	20.043	ug/l	94
45) 1,2-Dichloropropane	9.08	63	71761	19.188	ug/l	97
46) Dibromomethane	9.17	93	55307	19.282	ug/l	99
47) Bromodichloromethane	9.37	83	111760	19.667	ug/l	98
48) Methyl methacrylate	9.17	41	58979	17.722	ug/l	98
49) 1,4-Dioxane	9.16	88	26438	512.806	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	392913	94.262	ug/l	100
52) Toluene	10.12	92	207569	20.192	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	119319	19.491	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	128553	19.530	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	80275	19.601	ug/l	99
56) Ethyl methacrylate	10.40	69	111839	19.549	ug/l	97
57) 1,3-Dichloropropane	10.68	76	128265	19.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	195098	79.799	ug/l	98
59) 2-Hexanone	10.72	43	287919	96.179	ug/l	100
60) Dibromochloromethane	10.87	129	91259	19.600	ug/l	99
61) 1,2-Dibromoethane	10.98	107	86643	20.284	ug/l	97
64) Tetrachloroethene	10.60	164	102466	20.435	ug/l	99
65) Chlorobenzene	11.40	112	225002	20.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	82344	19.973	ug/l	99
67) Ethyl Benzene	11.48	91	387515	20.249	ug/l	98
68) m/p-Xylenes	11.59	106	302605	39.879	ug/l	100
69) o-Xylene	11.92	106	148477	20.601	ug/l	97
70) Styrene	11.94	104	239174	20.039	ug/l	99
71) Bromoform	12.10	173	59299	18.666	ug/l #	100
73) Isopropylbenzene	12.22	105	383583	20.546	ug/l	100
74) N-amyl acetate	12.04	43	110536	18.800	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	102094	19.514	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	93267m	20.051	ug/l	
77) Bromobenzene	12.50	156	95246	19.986	ug/l	98
78) n-propylbenzene	12.56	91	414295	19.877	ug/l	100
79) 2-Chlorotoluene	12.65	91	250431	20.150	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	310415	19.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	34103	18.749	ug/l	97
82) 4-Chlorotoluene	12.75	91	262151	20.051	ug/l	100
83) tert-Butylbenzene	12.97	119	271515	19.693	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	318028	20.515	ug/l	99
85) sec-Butylbenzene	13.15	105	344634	19.398	ug/l	98
86) p-Isopropyltoluene	13.26	119	321011	19.620	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	169654	20.104	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	168041	19.546	ug/l	98
89) n-Butylbenzene	13.59	91	256533	18.720	ug/l	99
90) Hexachloroethane	13.85	117	35242	19.477	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	162828	20.190	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19940	18.688	ug/l	95

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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)
93) 1,2,4-Trichlorobenzene	14.88	180	88438	18.750	ug/l	99
94) Hexachlorobutadiene	14.98	225	37703	18.743	ug/l	99
95) Naphthalene	15.10	128	282096	19.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	88489	19.082	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion:168 Resp: 351340

Ion Ratio Lower Upper

168 100

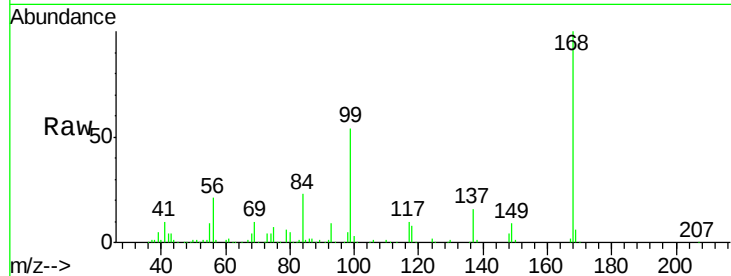
99 54.0 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

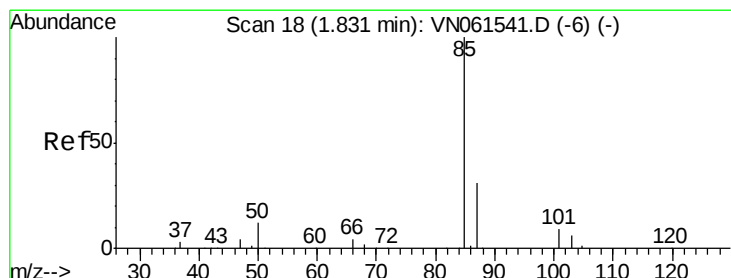
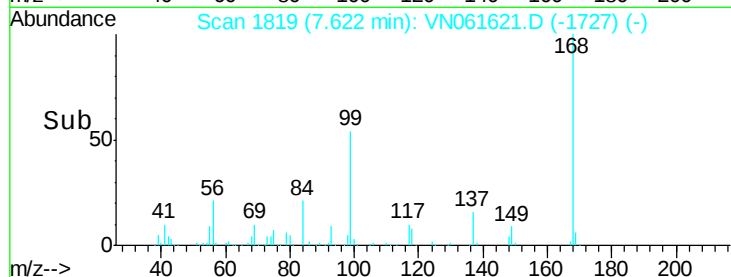
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50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 19.845 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061621.D

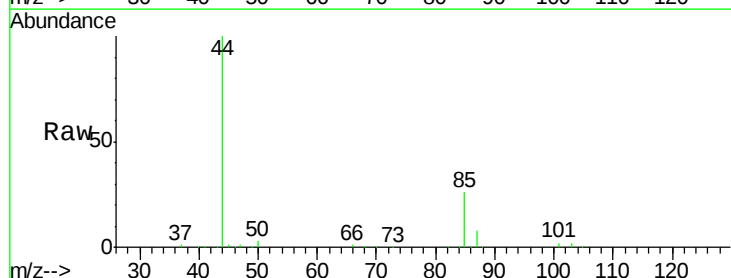
Acq: 2 Jun 2020 16:02

Tgt Ion: 85 Resp: 77626

Ion Ratio Lower Upper

85 100

87 32.0 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

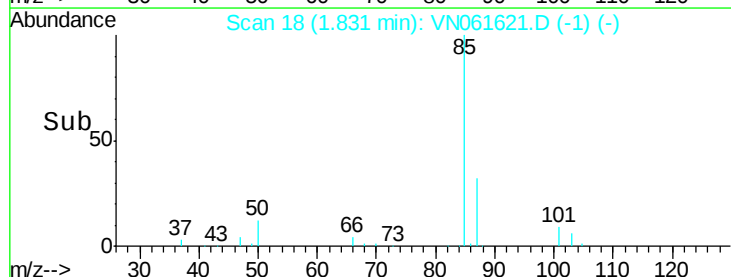
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20000

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Time-->





#3

Chloromethane

Concen: 19.786 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 50 Resp: 84787

Ion Ratio Lower Upper

50 100

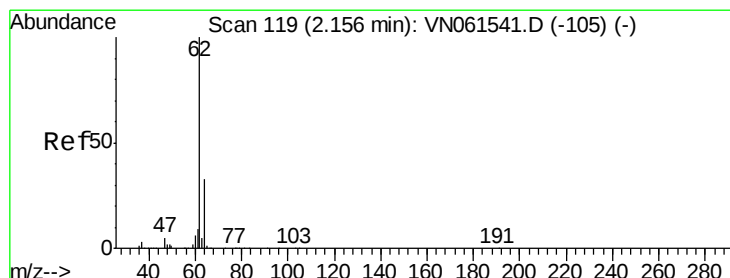
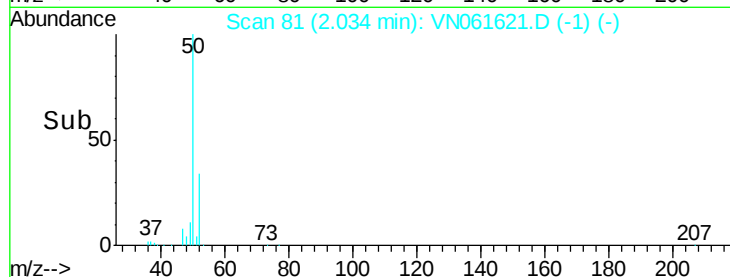
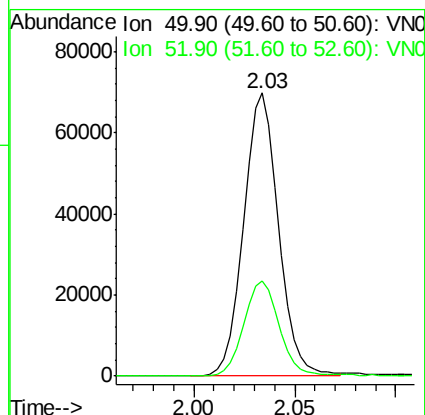
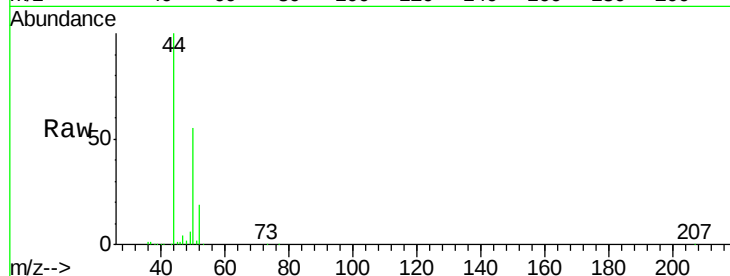
52 33.7 26.7 40.1

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#4

Vinyl Chloride

Concen: 19.321 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061621.D

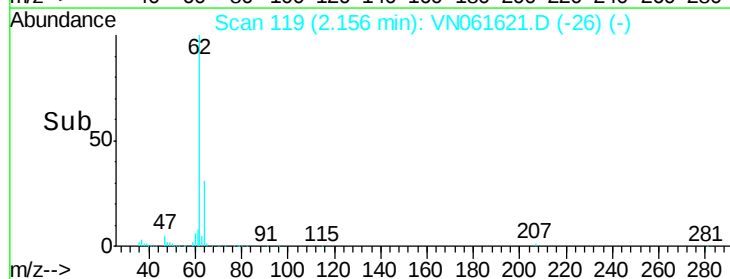
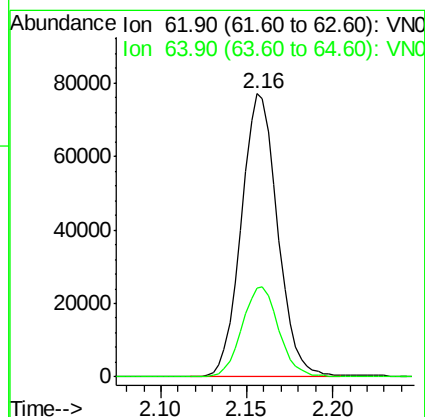
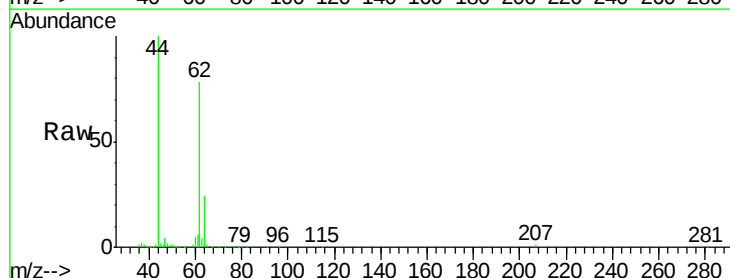
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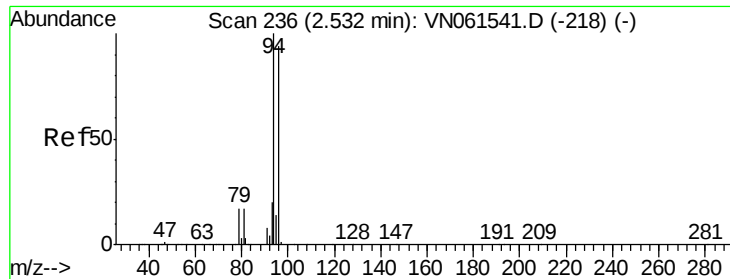
Tgt Ion: 62 Resp: 113460

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.2





#5

Bromomethane

Concen: 21.154 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 94 Resp: 71280

Ion Ratio Lower Upper

94 100

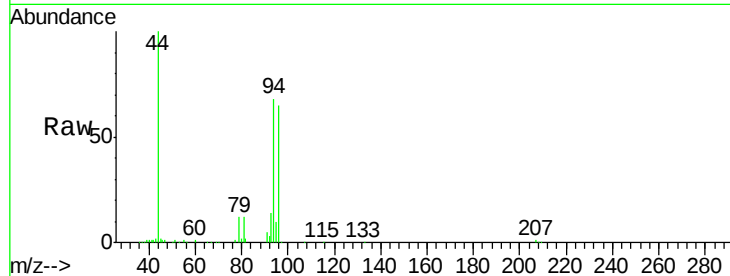
96 95.7 74.8 112.2

Manual Integrations

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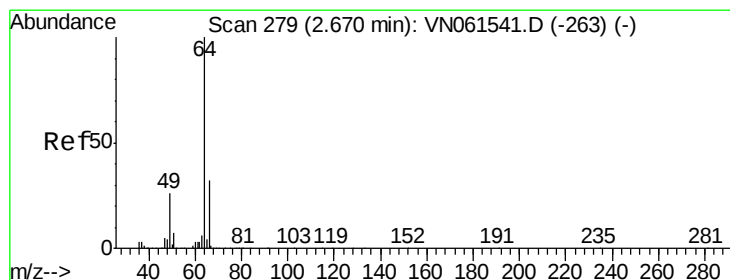
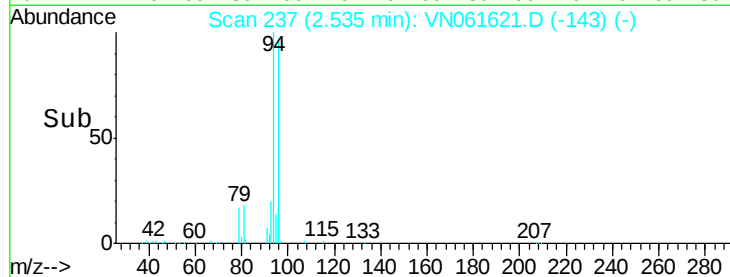
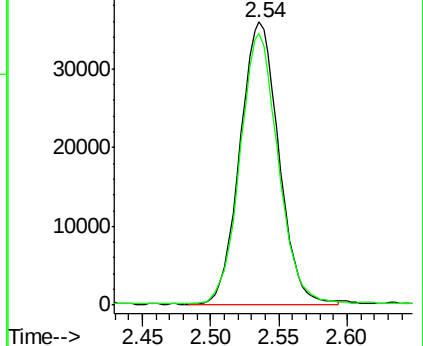
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.140 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061621.D

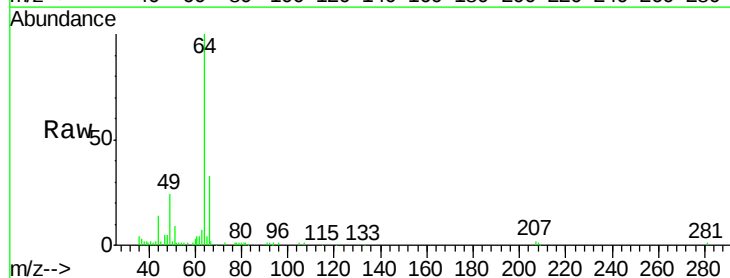
Acq: 2 Jun 2020 16:02

Tgt Ion: 64 Resp: 72347

Ion Ratio Lower Upper

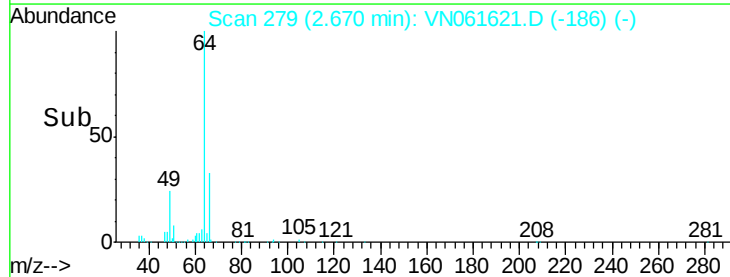
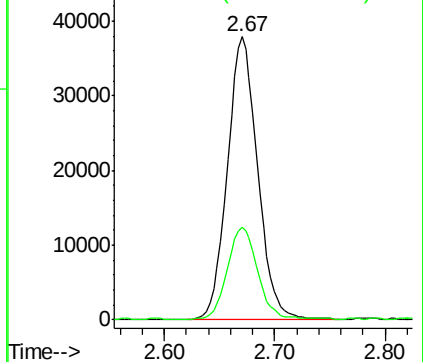
64 100

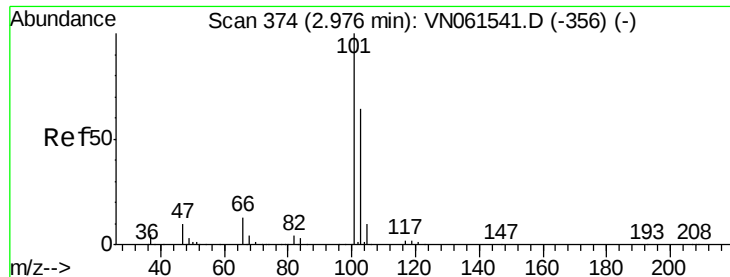
66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

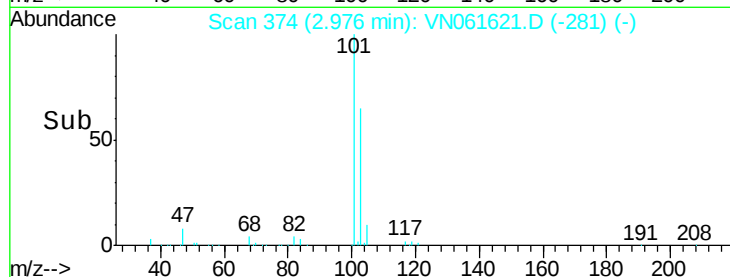
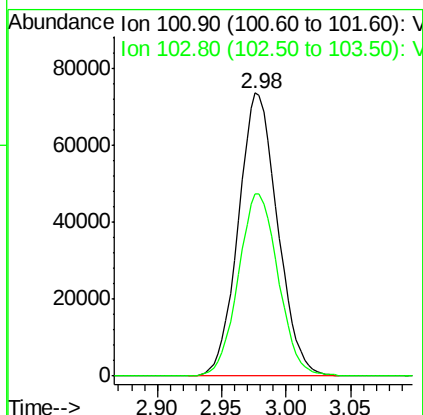
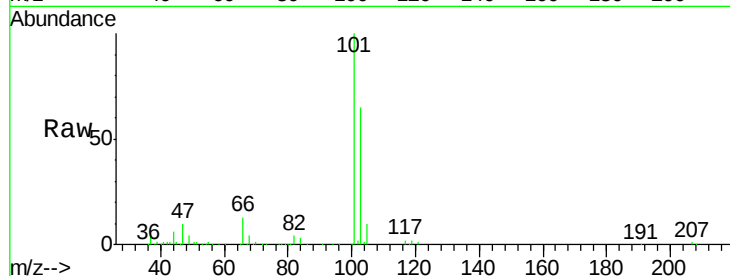
Trichlorofluoromethane
 Concen: 20.614 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		156104		
103	64.3	51.4	77.2		

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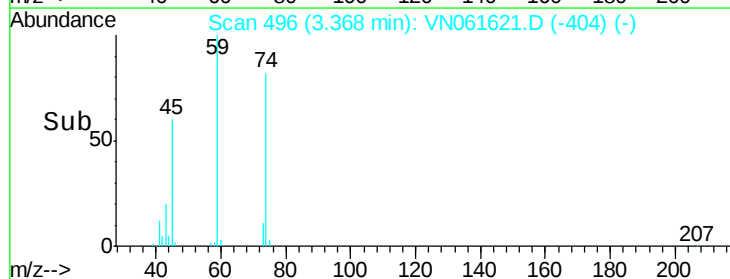
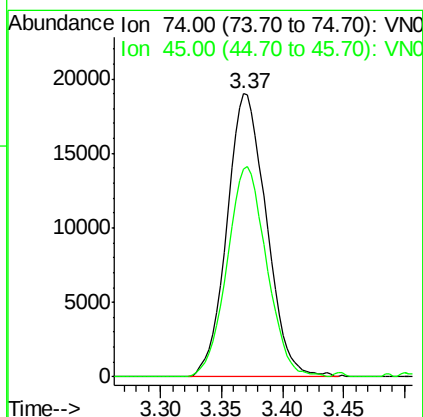
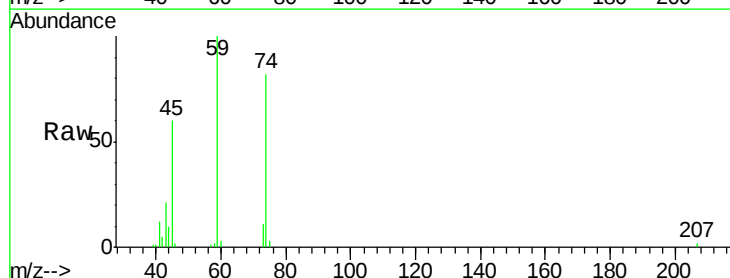
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#8

Diethyl Ether
 Concen: 18.451 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		42723		
45	74.4	39.9	119.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.325 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

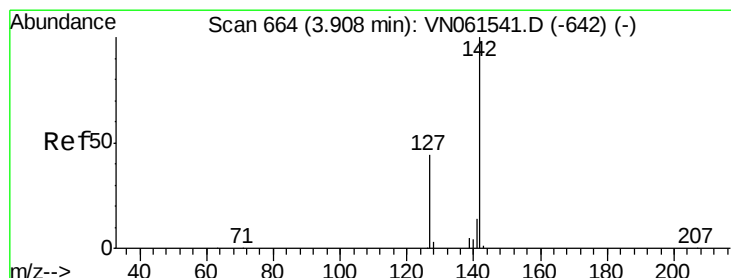
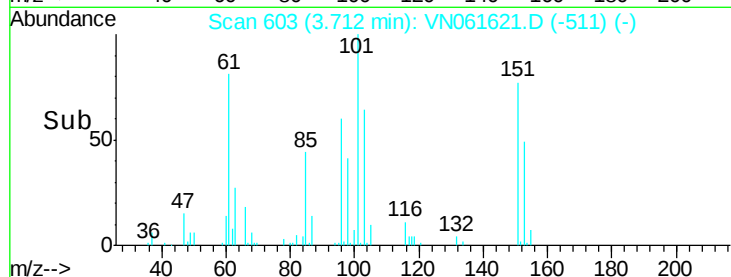
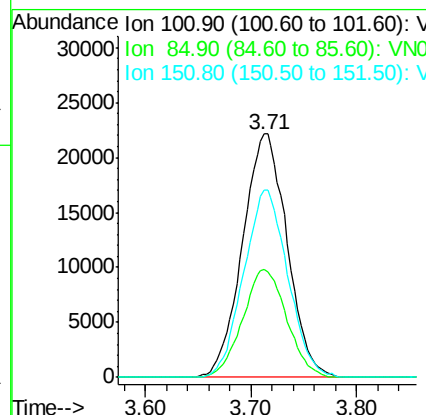
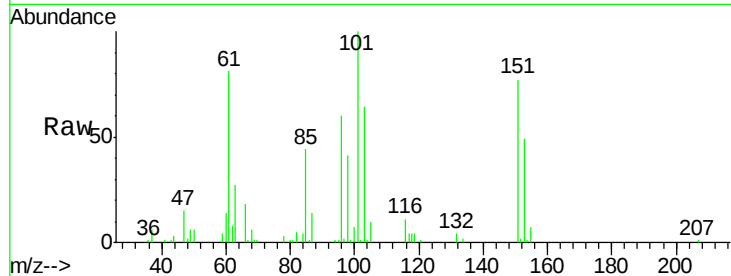
ClientSampleId :

VN0602MBSD01

Tot Ion:	101	Resp:	64939
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	76.3	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.805 ug/l

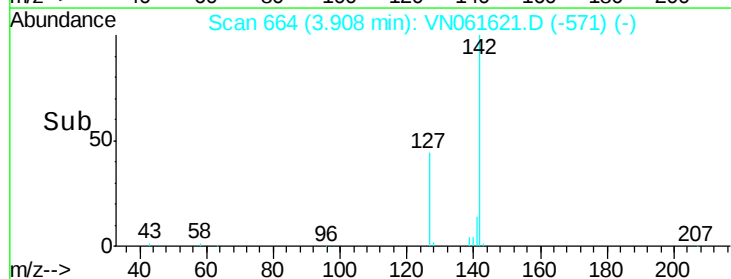
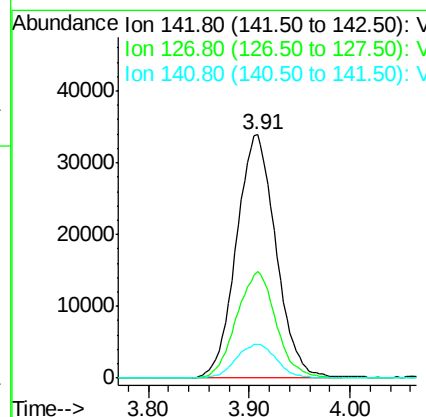
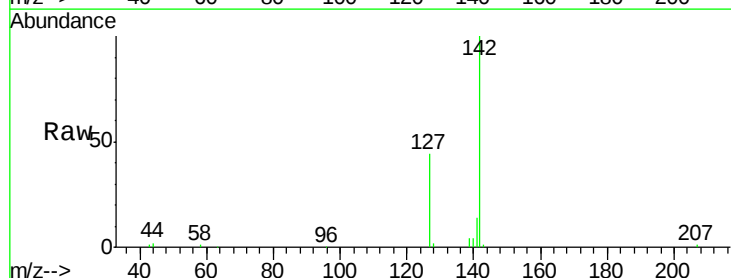
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	142	Resp:	92385
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.5	53.3
141	14.0	11.5	17.3





#11

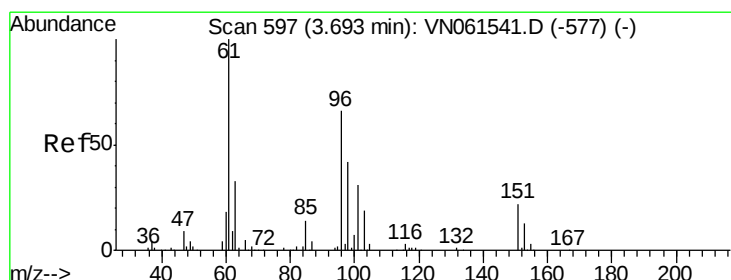
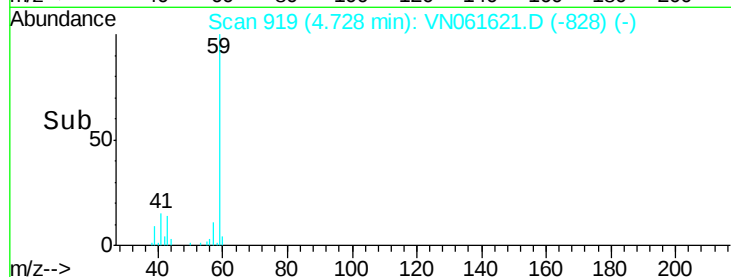
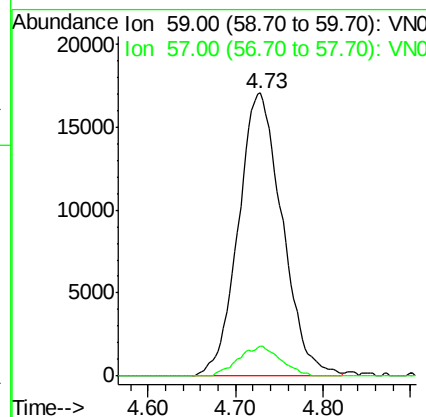
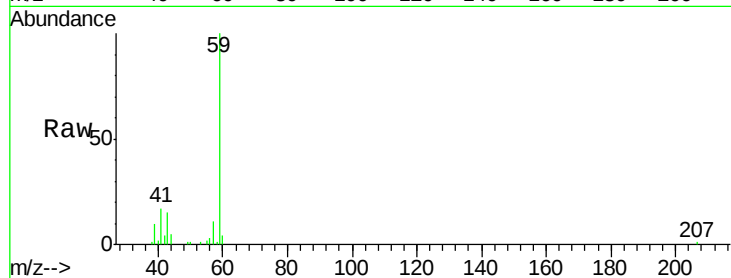
Tert butyl alcohol
Concen: 106.427 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

Manual Integrations
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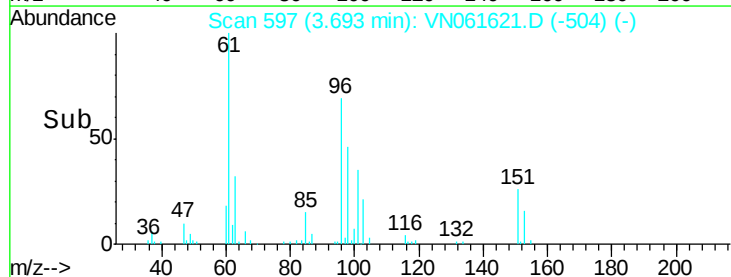
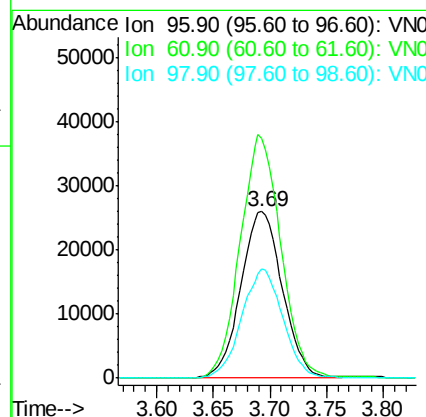
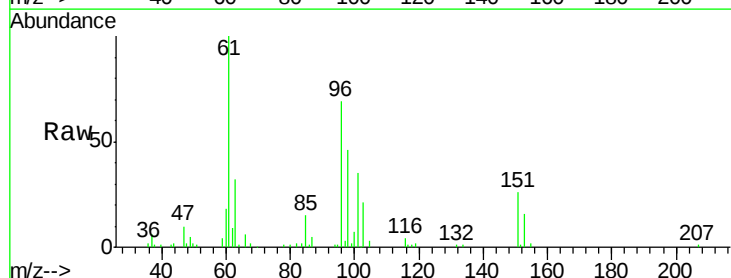
MMDadoda
6/3/2020 11:32:28 AM

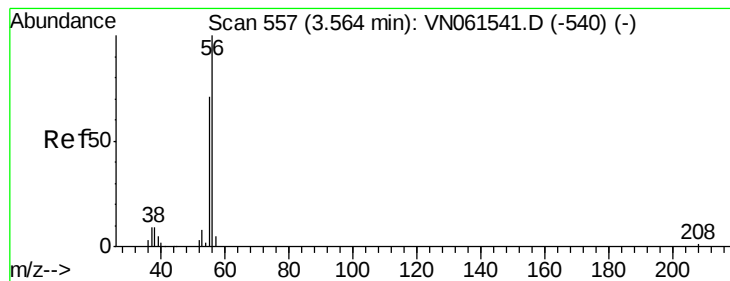


#12

1,1-Dichloroethene
Concen: 18.543 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	120.5	180.7
98	65.9	50.8	76.2





#13

Acrolein

Concen: 53.604 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 56 Resp: 12529

Ion Ratio Lower Upper

56 100

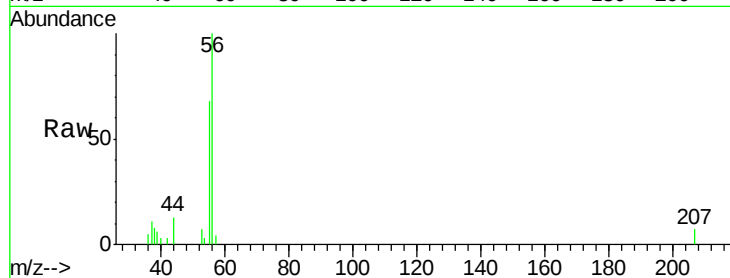
55 72.2 58.0 87.0

Manual Integrations

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6/3/2020 11:32:28 AM

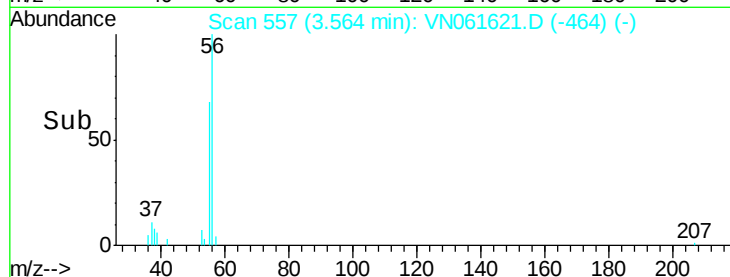


Abundance Ion 56.00 (55.70 to 56.70): VN061621.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN061621.D (-464) (-)

3.56

Time-->



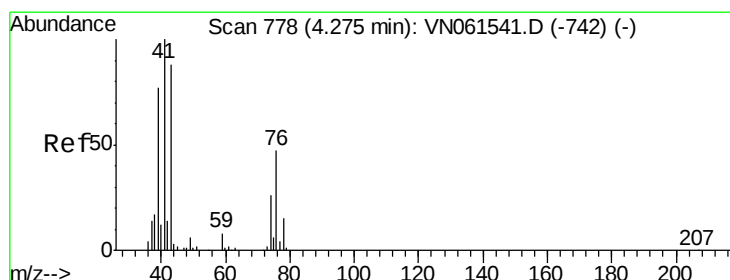
Abundance

Ion 56.00 (55.70 to 56.70): VN061621.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN061621.D (-464) (-)

3.56

Time-->



#14

Allyl chloride

Concen: 18.043 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

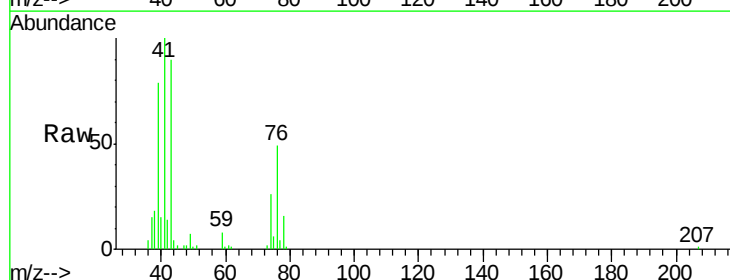
Tgt Ion: 41 Resp: 84683

Ion Ratio Lower Upper

41 100

39 74.2 58.6 88.0

76 46.2 34.2 51.4



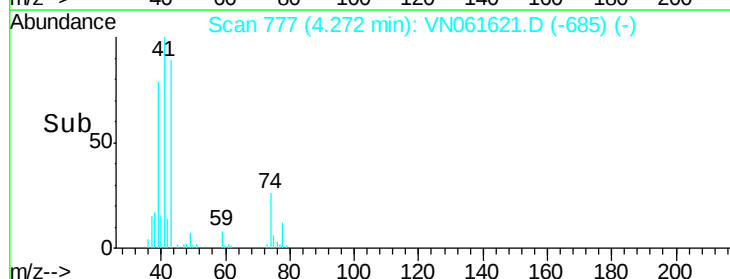
Abundance Ion 41.00 (40.70 to 41.70): VN061621.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061621.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061621.D (-685) (-)

4.27

Time-->



Abundance

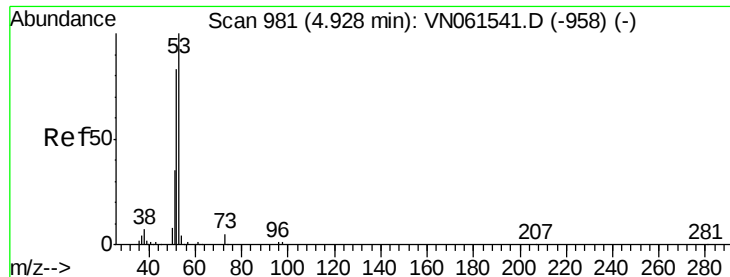
Ion 41.00 (40.70 to 41.70): VN061621.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061621.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061621.D (-685) (-)

4.27

Time-->



#15

Acrylonitrile

Concen: 91.065 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

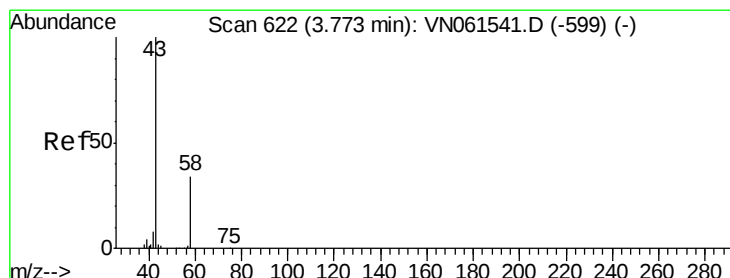
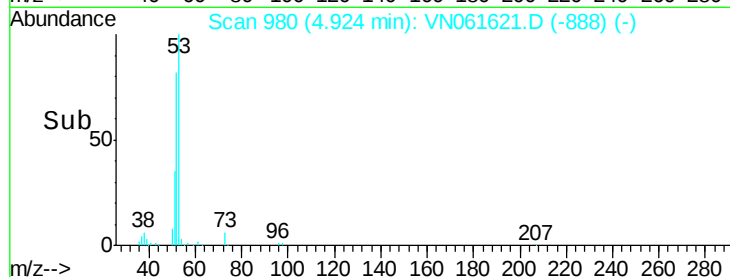
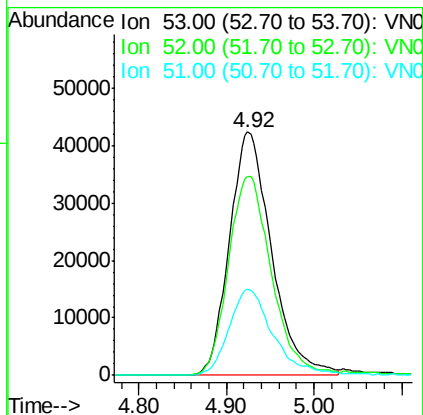
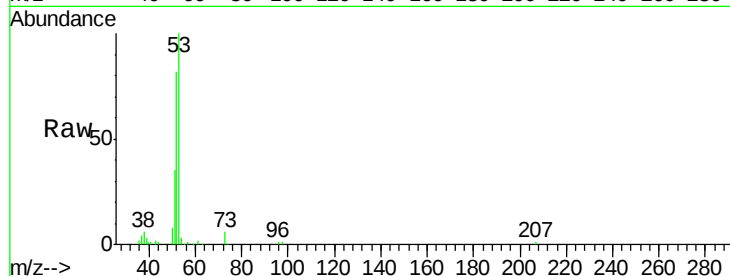
ClientSampleId :

VN0602MBSD01

Tot Ion:	53	Resp:	141525
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.4	98.2
51	36.9	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 109.298 ug/l

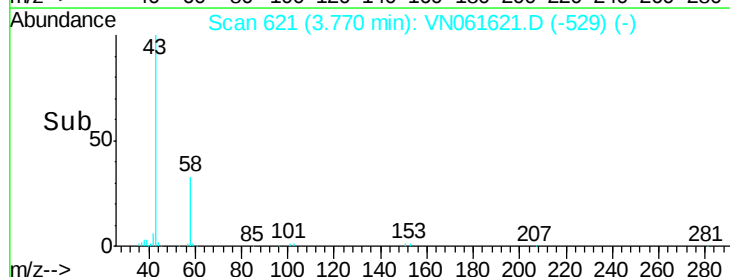
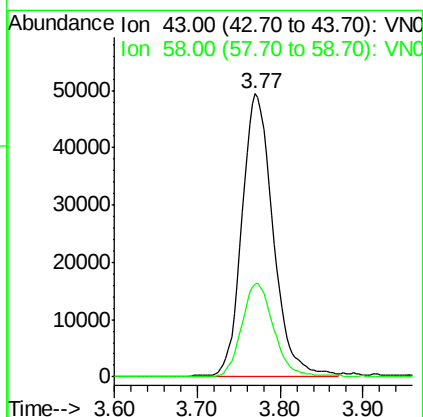
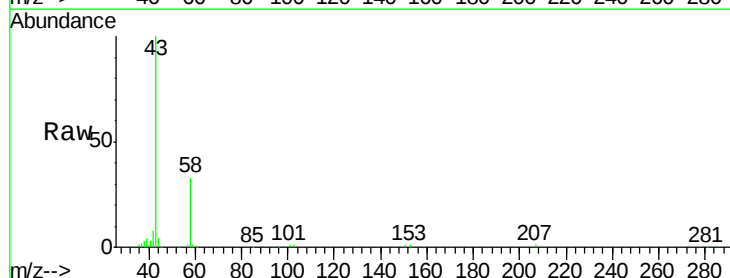
RT: 3.77 min Scan# 621

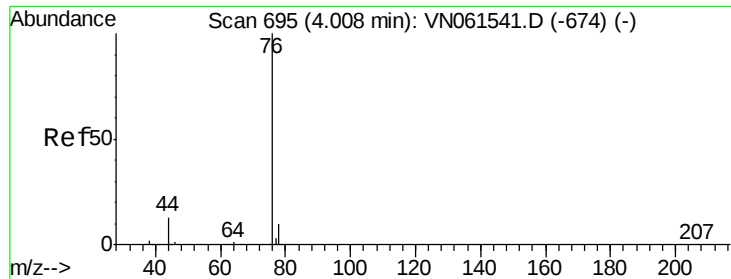
Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	43	Resp:	130118
Ion Ratio	Lower	Upper	
43	100		
58	32.8	27.2	40.8





#17

Carbon Disulfide

Concen: 19.371 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 76 Resp: 153002

Ion Ratio Lower Upper

76 100

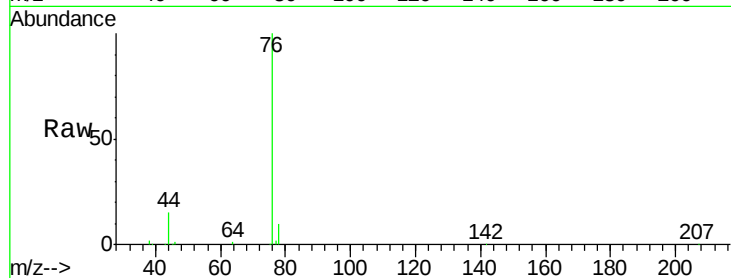
78 9.8 7.8 11.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-674) (-)

60000

50000

40000

30000

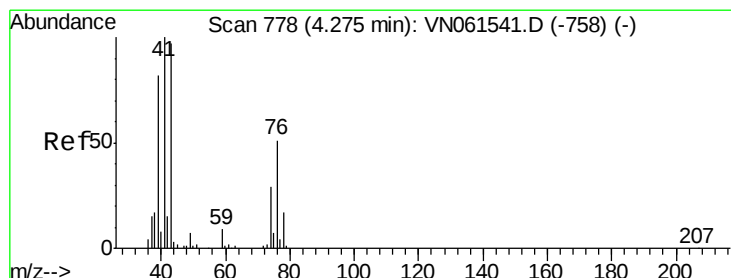
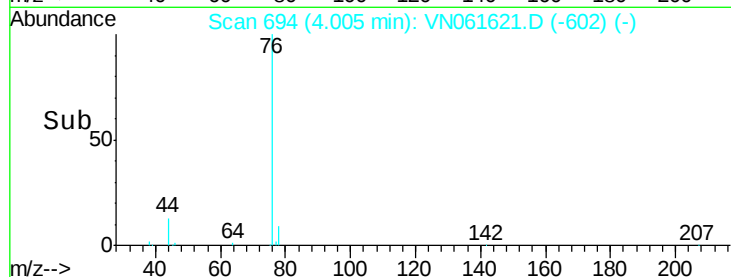
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 18.571 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061621.D

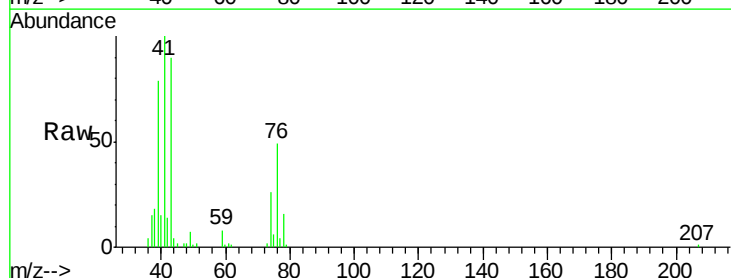
Acq: 2 Jun 2020 16:02

Tgt Ion: 43 Resp: 70373

Ion Ratio Lower Upper

43 100

74 29.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061541.D (-758) (-)

25000

20000

15000

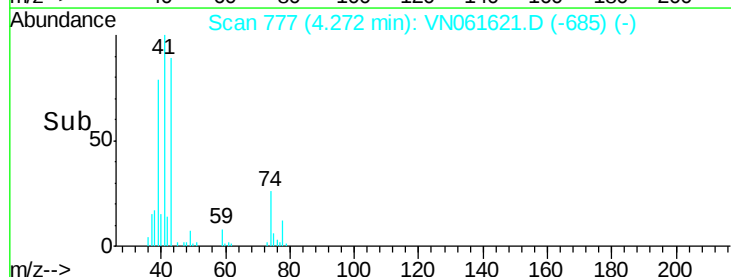
10000

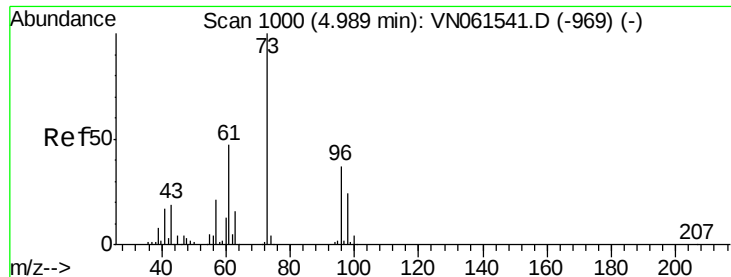
5000

0

Time-->

4.20 4.30 4.40





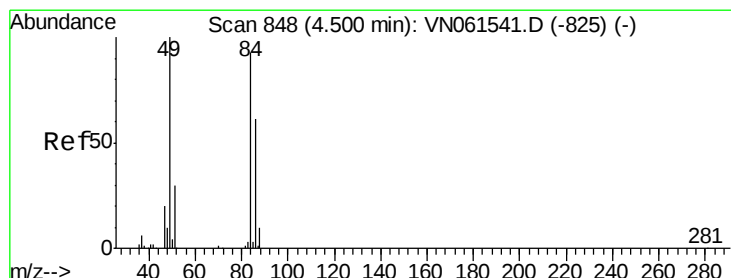
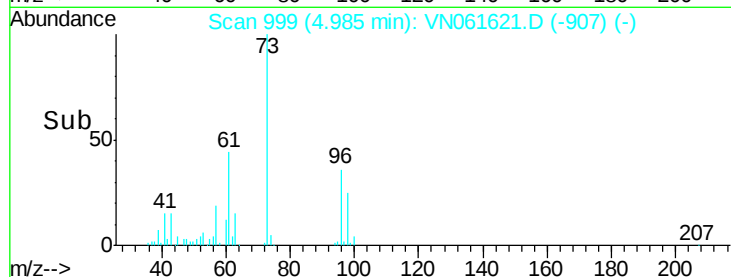
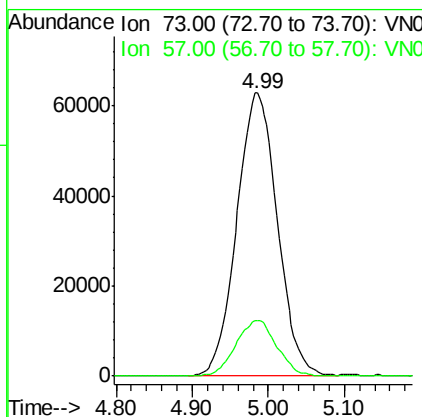
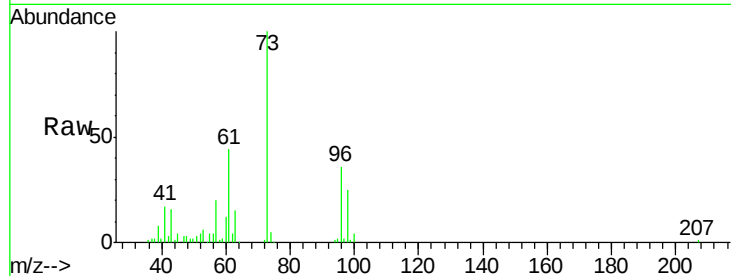
#19
Methyl tert-butyl Ether
Concen: 19.051 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion: 73 Resp: 233100
Ion Ratio Lower Upper
73 100
57 19.7 16.4 24.6

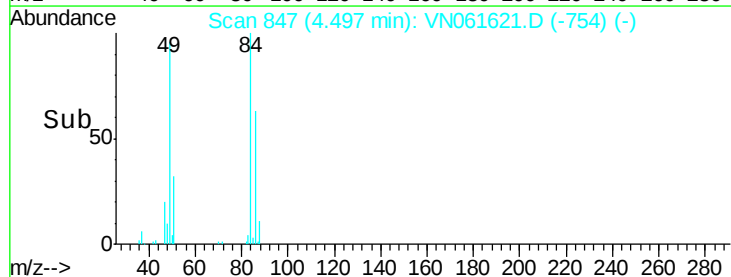
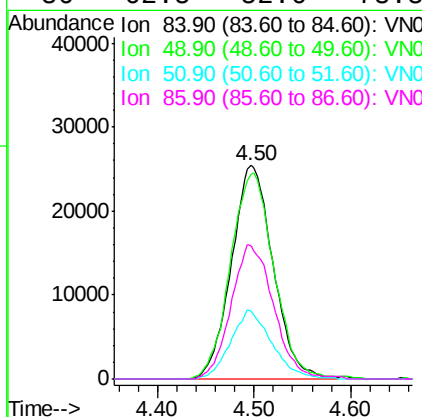
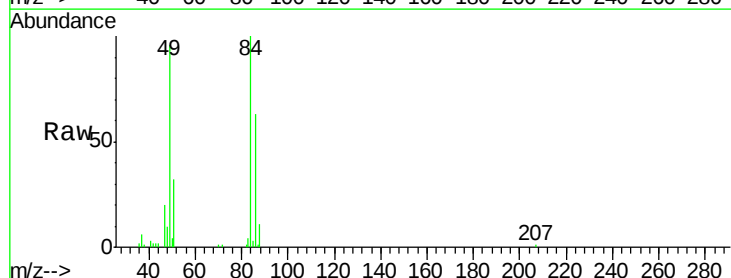
Manual Integrations
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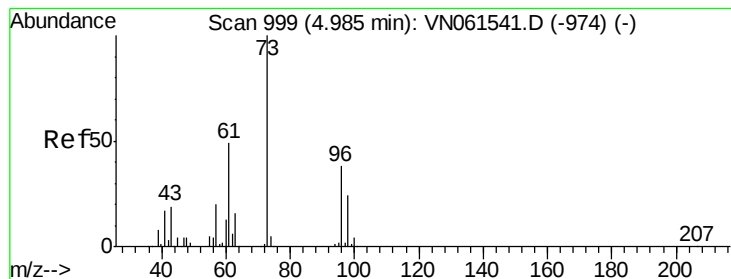
MMDadoda
6/3/2020 11:32:28 AM



#20
Methylene Chloride
Concen: 18.935 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion: 84 Resp: 76156
Ion Ratio Lower Upper
84 100
49 96.2 85.8 128.8
51 32.1 26.2 39.2
86 62.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 18.484 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

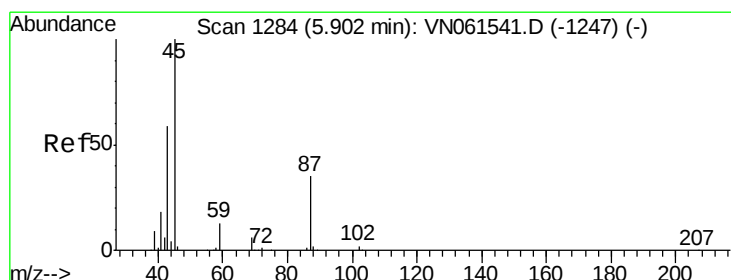
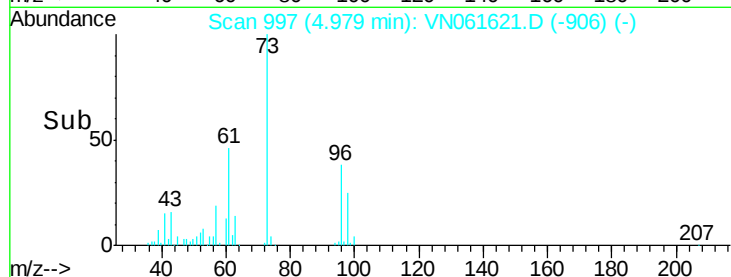
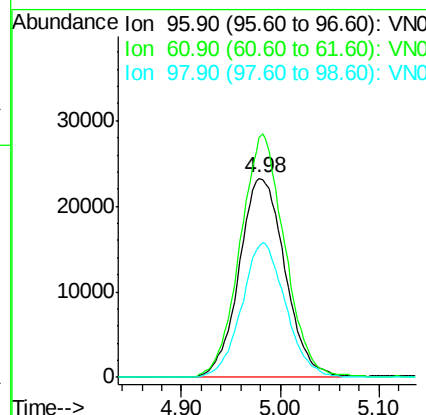
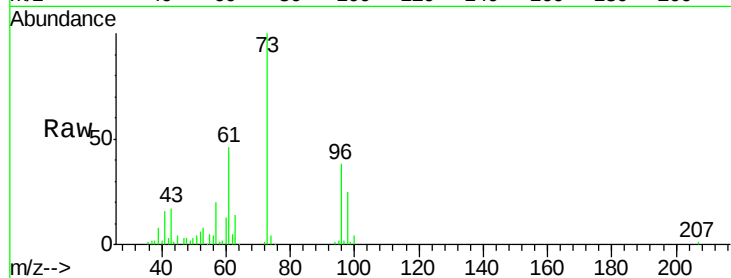
ClientSampleId :

VN0602MBSD01

Tot Ion:	96	Resp:	74834
Ion	Ratio	Lower	Upper
96	100		
61	120.3	101.4	152.0
98	65.9	50.6	76.0

Manual Integrations
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MMDadoda
6/3/2020 11:32:28 AM



#22

Diisopropyl ether

Concen: 18.641 ug/l

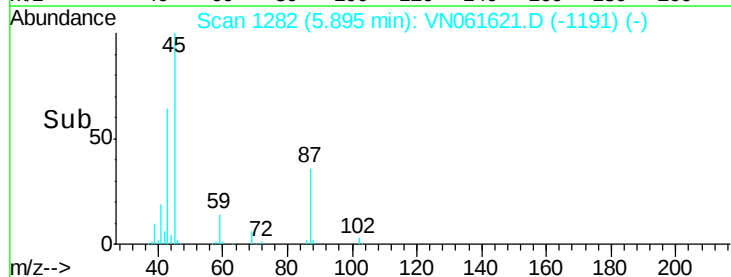
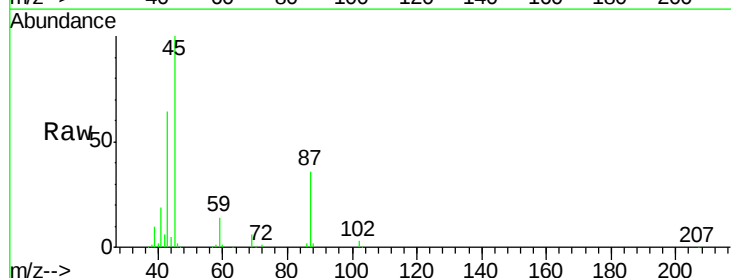
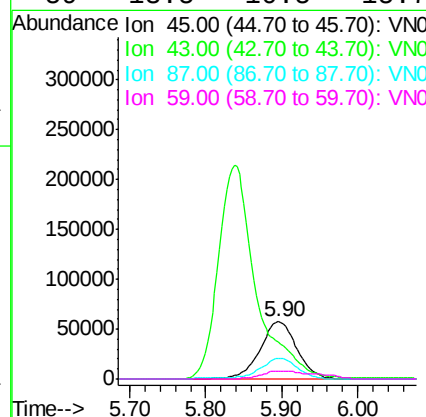
RT: 5.90 min Scan# 1282

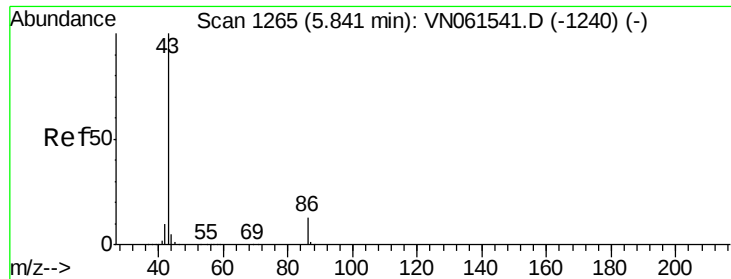
Delta R.T. -0.01 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	45	Resp:	192838
Ion	Ratio	Lower	Upper
45	100		
43	61.4	47.9	71.9
87	36.1	28.4	42.6
59	13.5	10.5	15.7





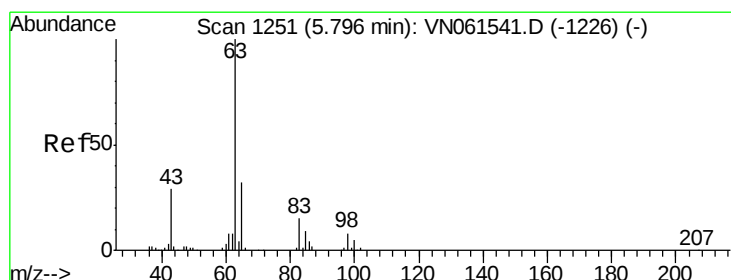
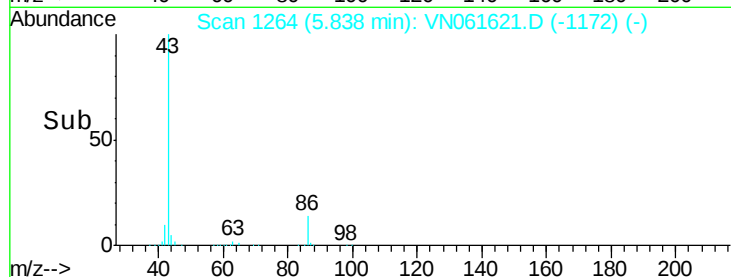
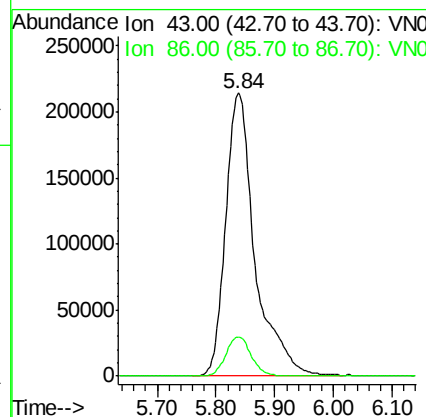
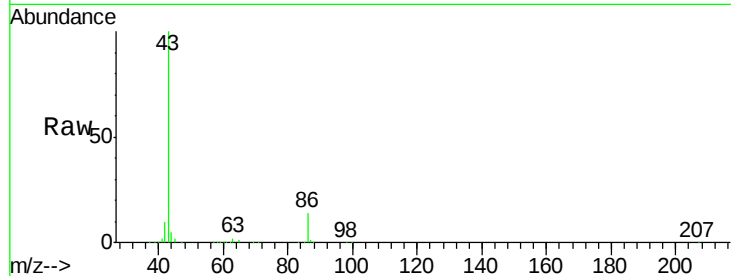
#23
 Vinyl Acetate
 Concen: 89.958 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	16.0

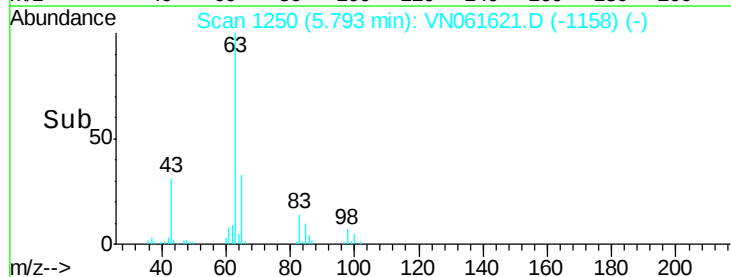
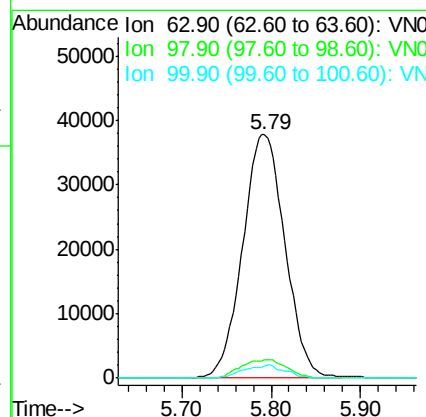
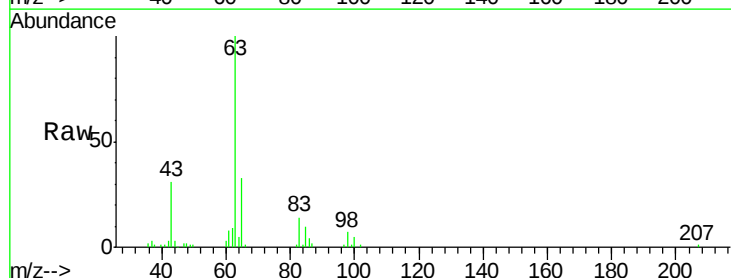
Manual Integrations
 APPROVED

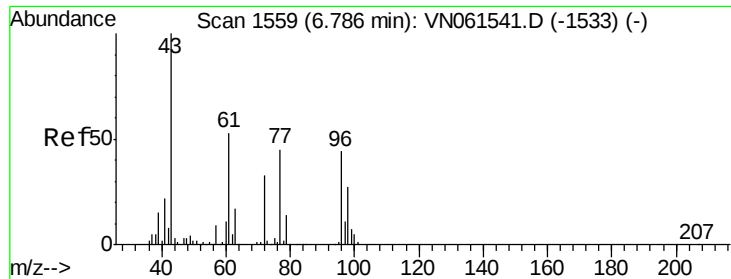
MMDadoda
 6/3/2020 11:32:28 AM



#24
 1,1-Dichloroethane
 Concen: 19.017 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.4
100	4.8	2.5	7.6





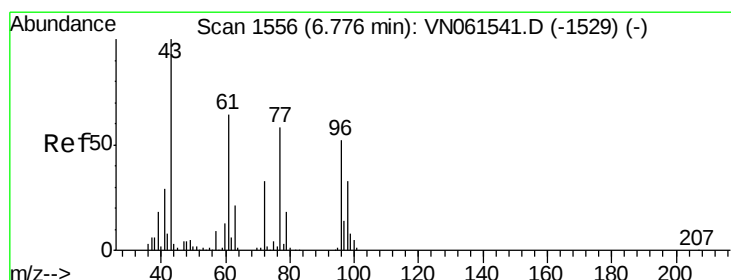
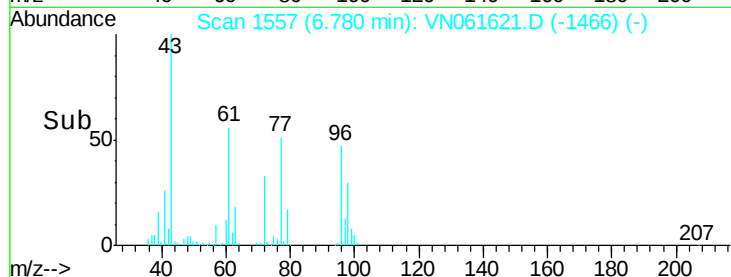
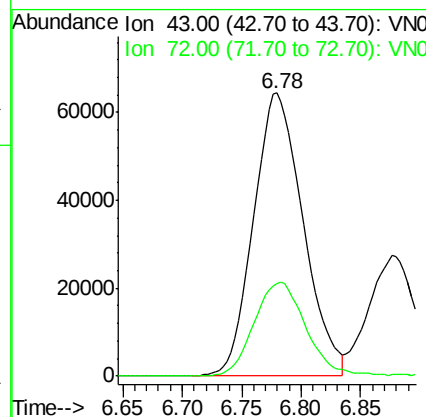
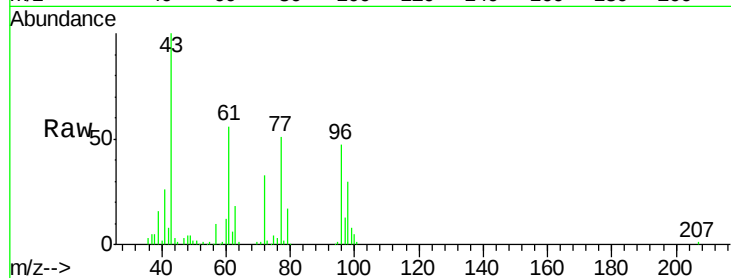
#25
2-Butanone
Concen: 93.831 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion: 43 Resp: 186148
Ion Ratio Lower Upper
43 100
72 32.7 26.0 39.0

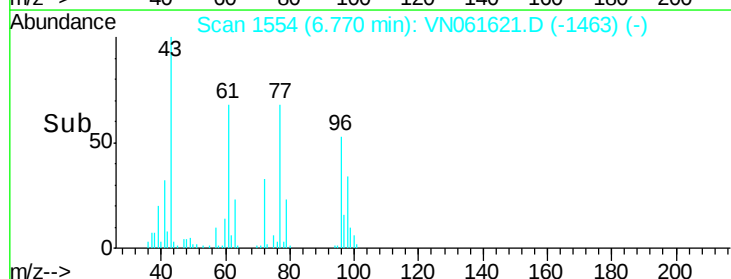
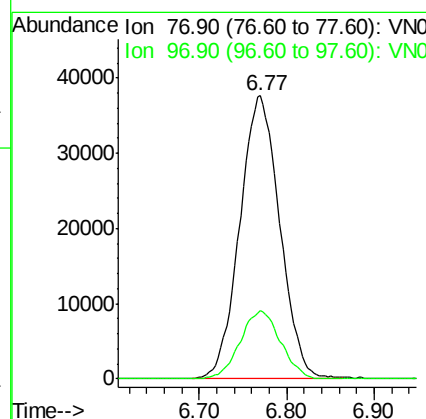
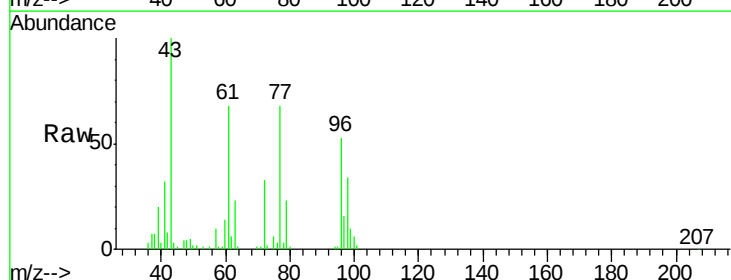
Manual Integrations
APPROVED

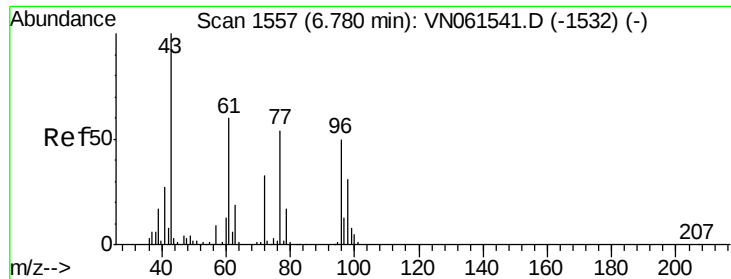
MMDadoda
6/3/2020 11:32:28 AM



#26
2,2-Dichloropropane
Concen: 19.896 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion: 77 Resp: 119456
Ion Ratio Lower Upper
77 100
97 24.2 12.0 36.0





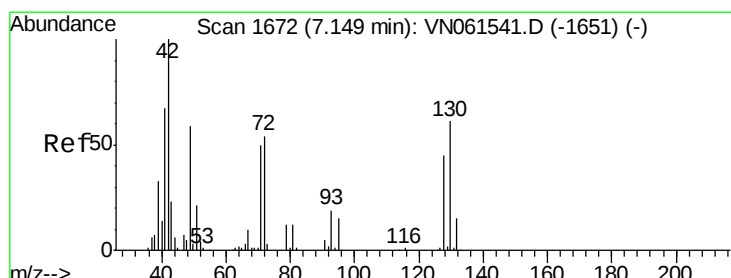
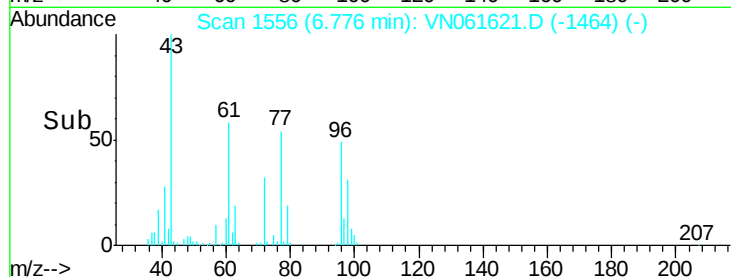
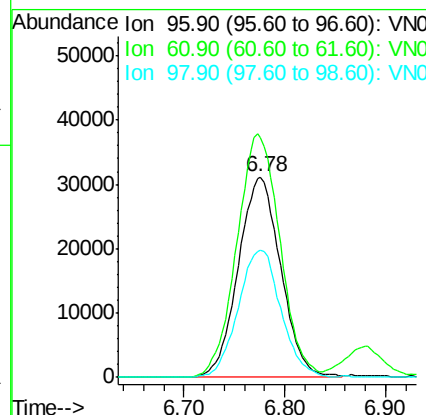
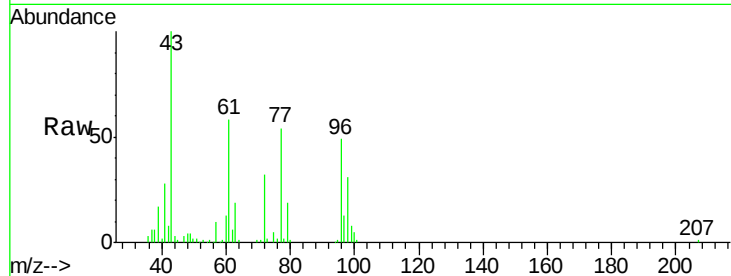
#27
 cis-1,2-Dichloroethene
 Concen: 19.828 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	0.0	252.2
98	63.8	0.0	129.2

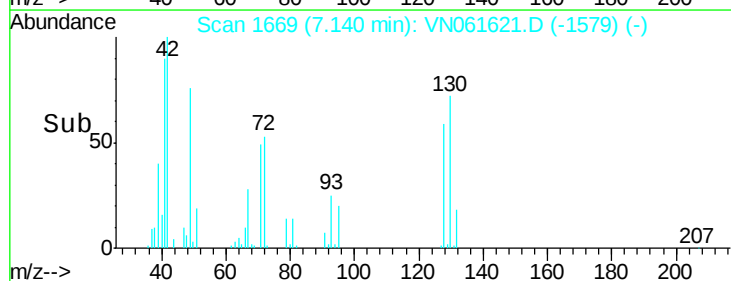
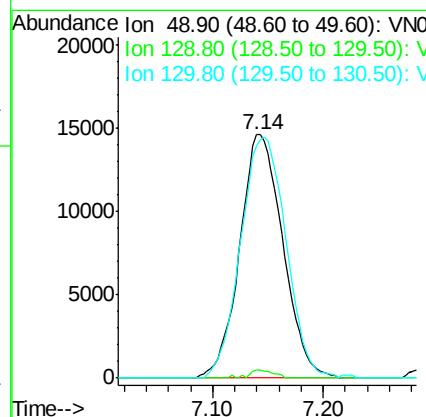
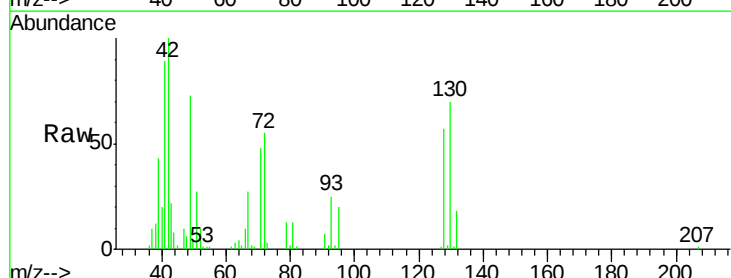
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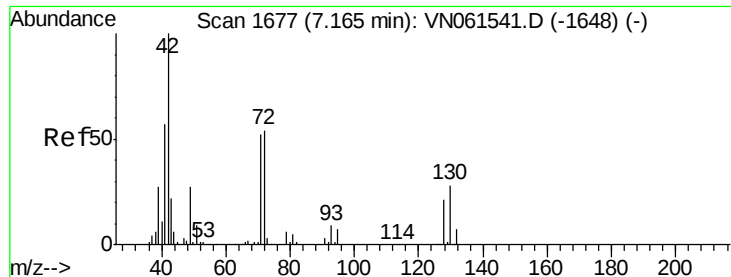
MMDadoda
 6/3/2020 11:32:28 AM



#28
 Bromochloromethane
 Concen: 15.180 ug/l
 RT: 7.14 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	103.8	78.8	118.2





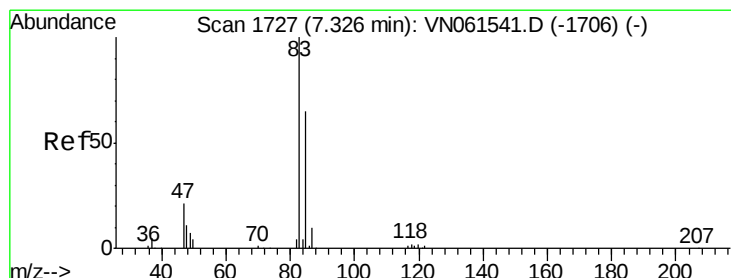
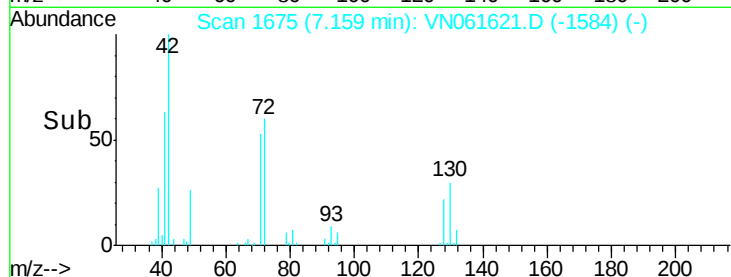
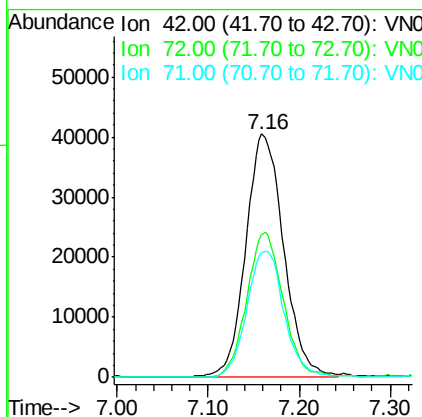
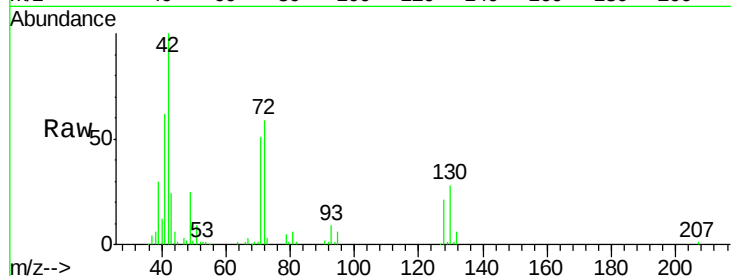
#29
Tetrahydrofuran
Concen: 89.715 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.2	43.6	65.4
71	50.7	41.2	61.8

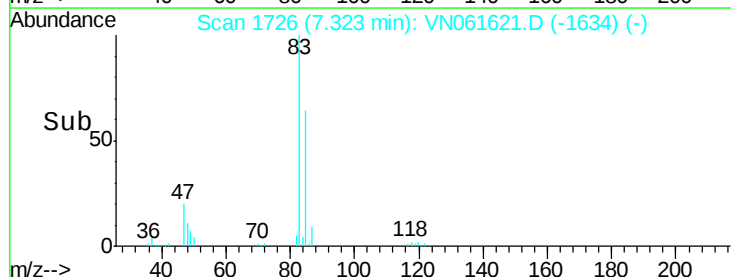
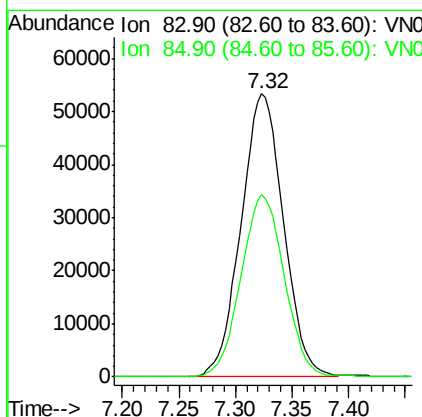
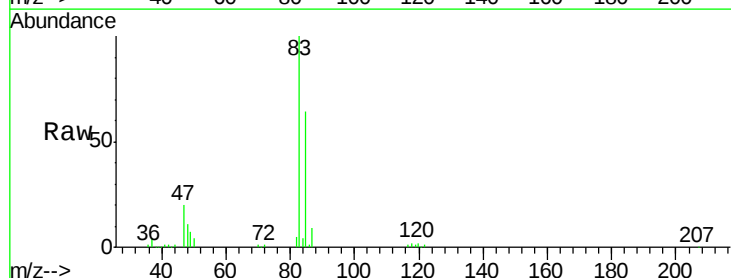
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#30
Chloroform
Concen: 19.189 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5





#31

Cyclohexane

Concen: 18.334 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

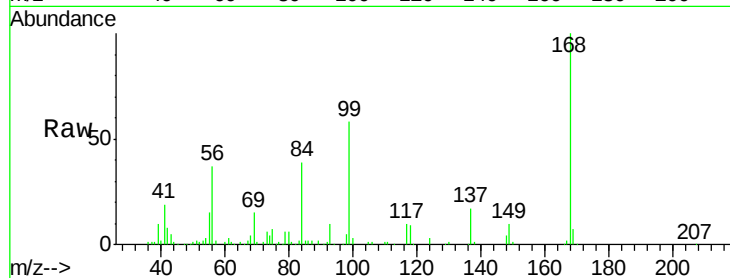
ClientSampled :

VN0602MBS01

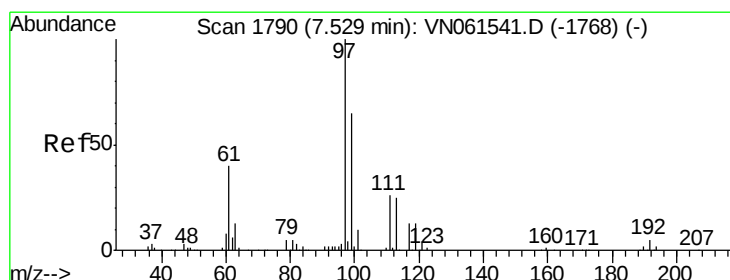
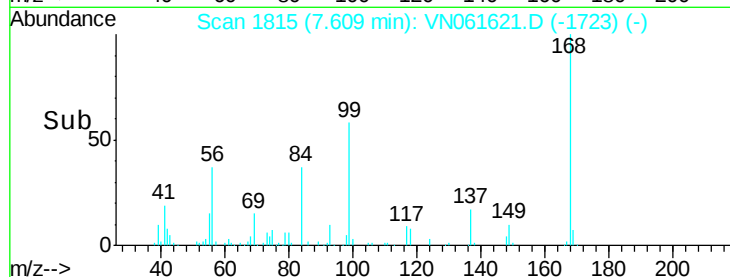
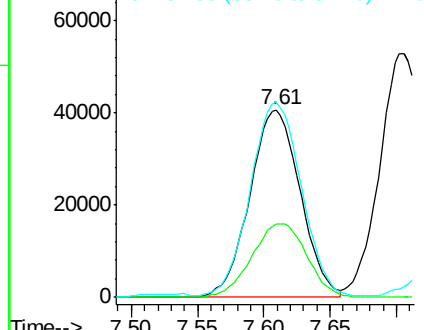
Tot Ion:	56	Resp:	108162
Ion Ratio	Lower	Upper	
56	100		
69	39.0	27.8	41.8
84	102.7	79.9	119.9

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN061621.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 19.472 ug/l

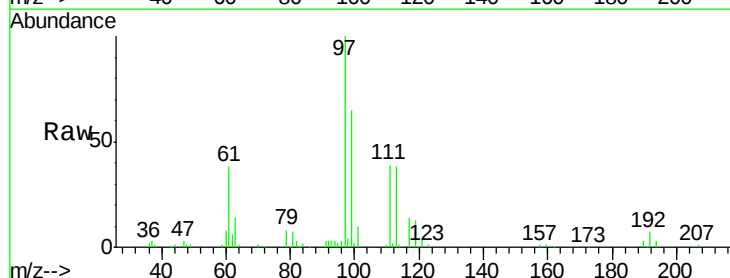
RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

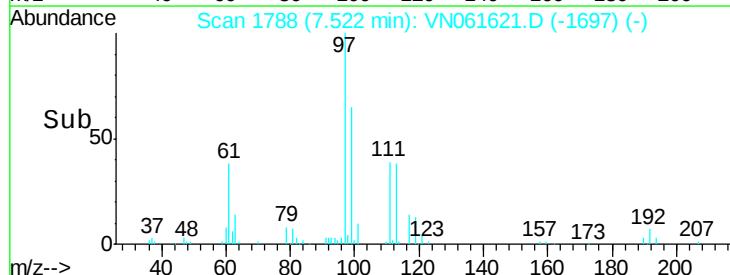
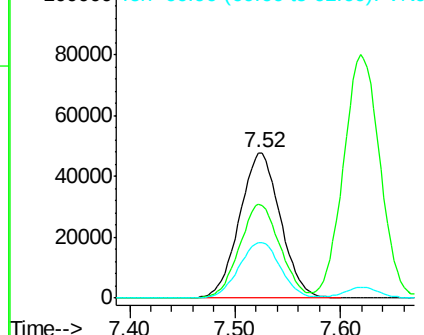
Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	97	Resp:	128761
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.4	77.0
61	38.9	31.4	47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061621.D (-1697) (-)





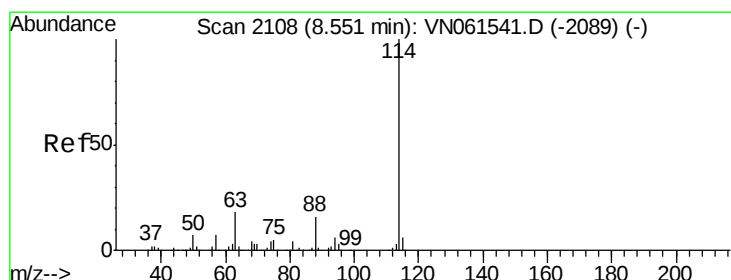
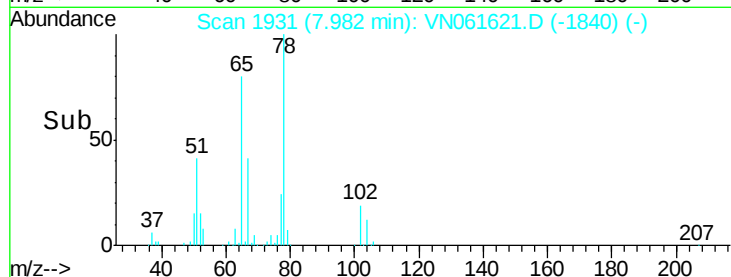
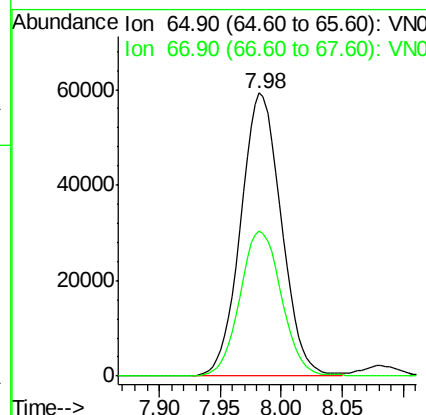
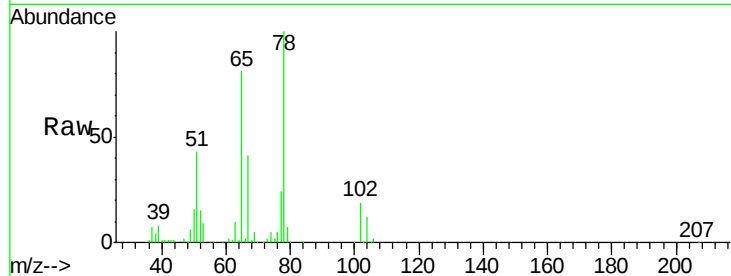
#33
 1,2-Dichloroethane-d4
 Concen: 32.627 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136577		
67	52.6	0.0	104.8	

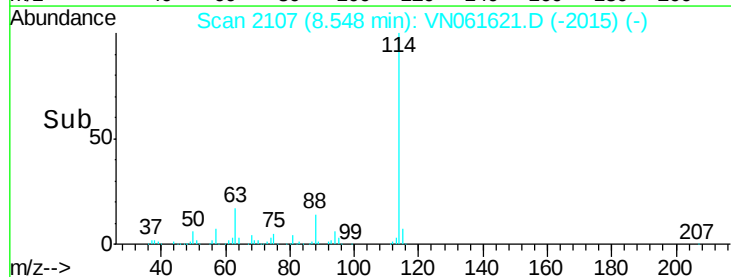
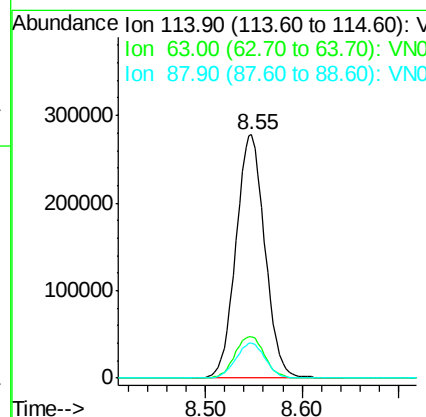
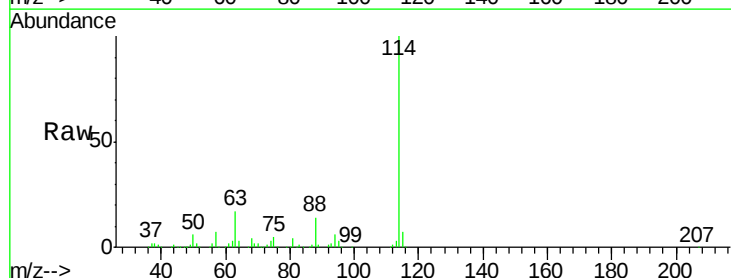
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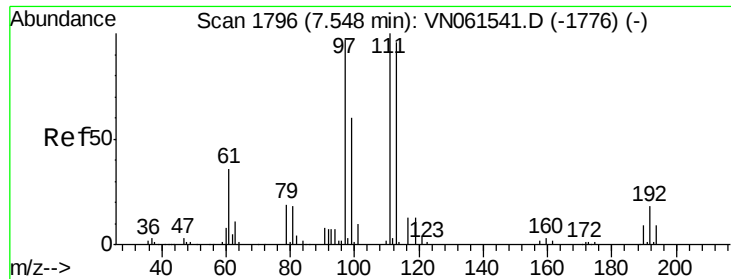
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	576616		
63	17.0	0.0	35.8	
88	14.4	0.0	31.0	





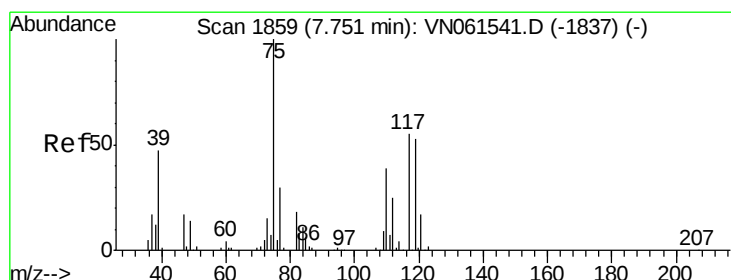
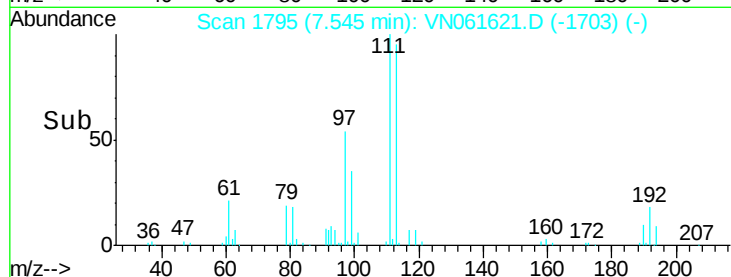
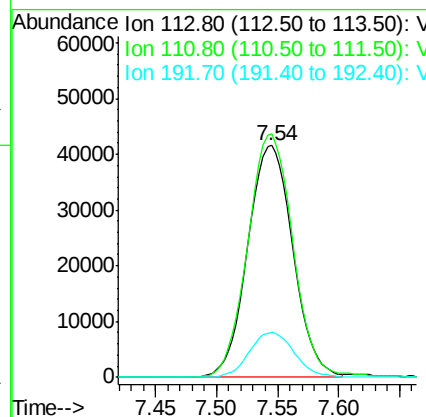
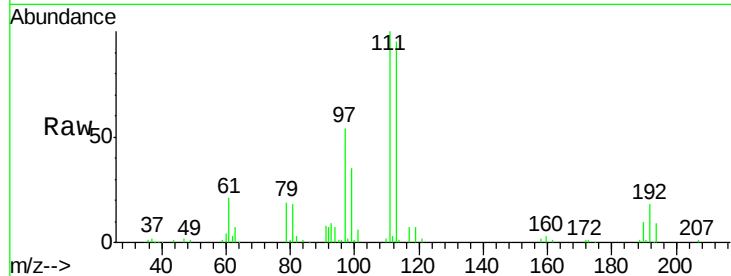
#35
Dibromofluoromethane
Concen: 36.516 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106811		
111	105.1	83.4	125.0	
192	19.2	15.4	23.2	

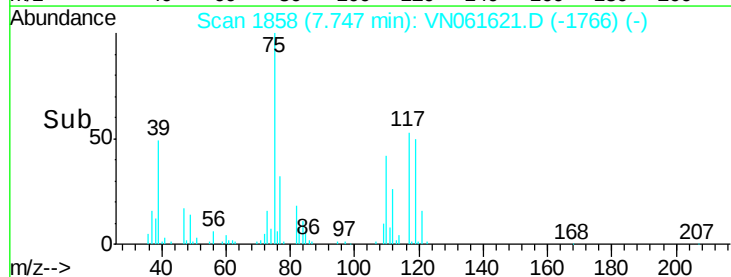
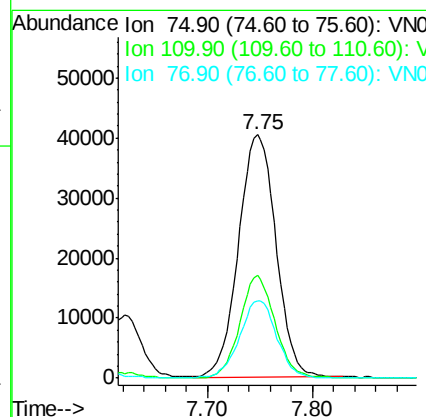
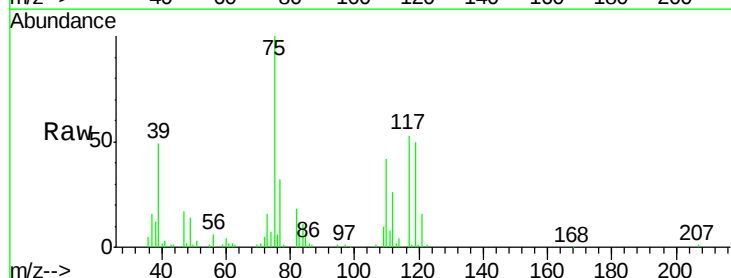
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#36
1,1-Dichloropropene
Concen: 19.536 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99725		
110	39.5	19.5	58.5	
77	31.7	24.7	37.1	





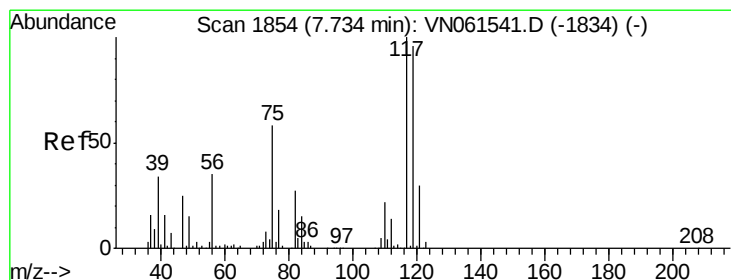
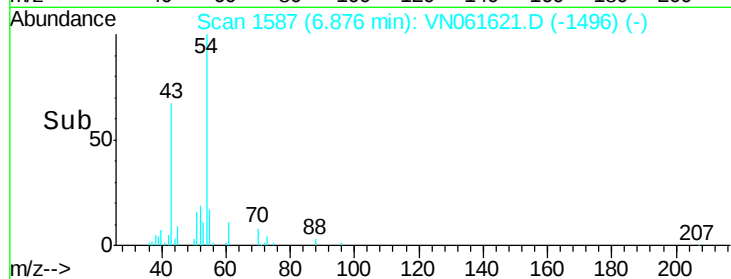
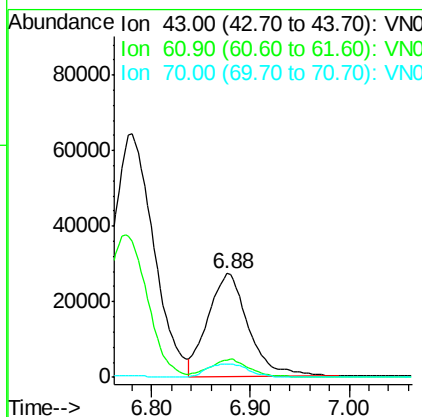
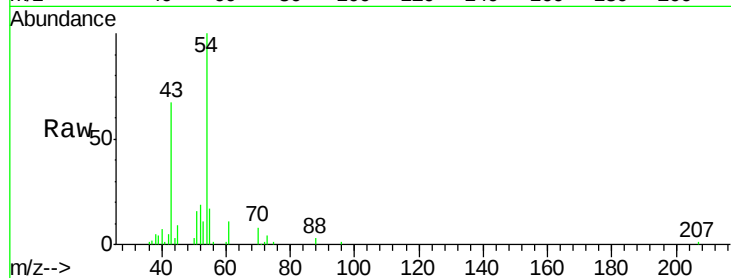
#37
Ethyl Acetate
Concen: 18.816 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	43	Resp	77361
Ion Ratio	100	Lower	Upper
43	100		
61	17.7	12.2	18.4
70	13.6	9.4	14.2

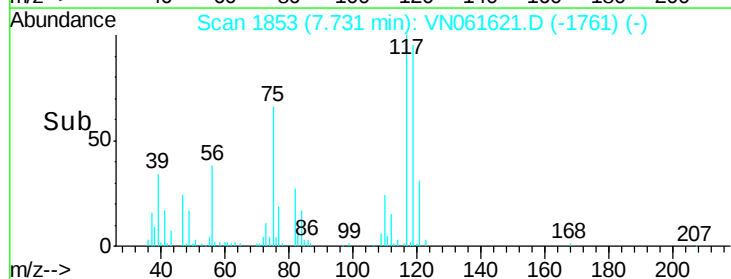
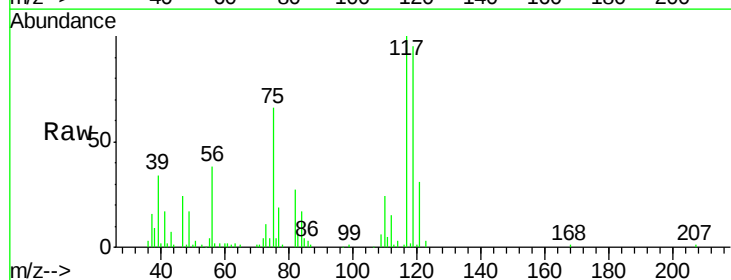
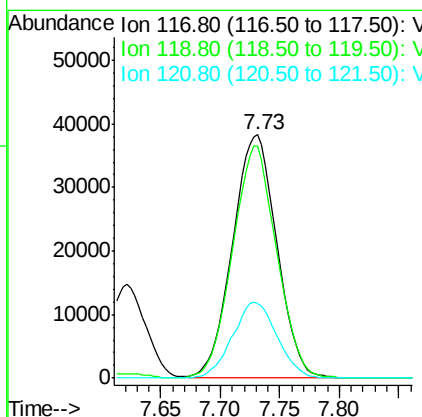
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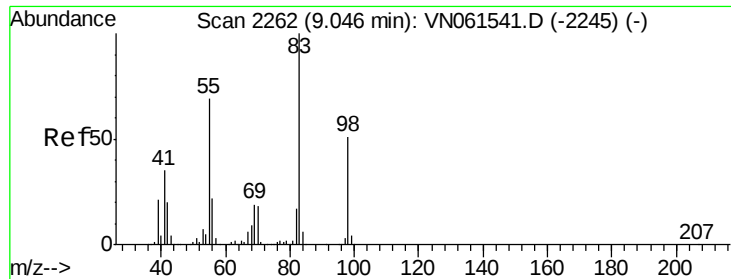
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#38
Carbon Tetrachloride
Concen: 20.042 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	117	Resp	98680
Ion Ratio	100	Lower	Upper
117	100		
119	95.3	76.5	114.7
121	30.8	24.1	36.1





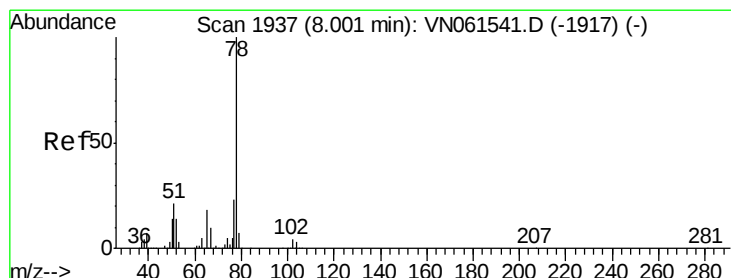
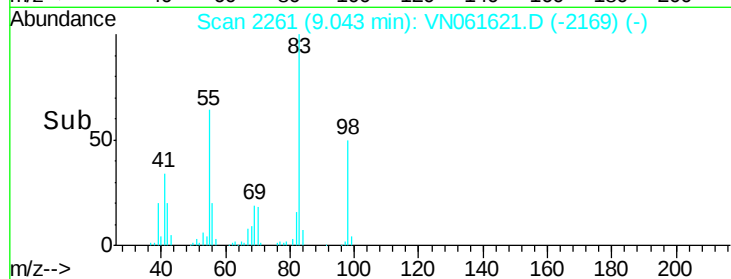
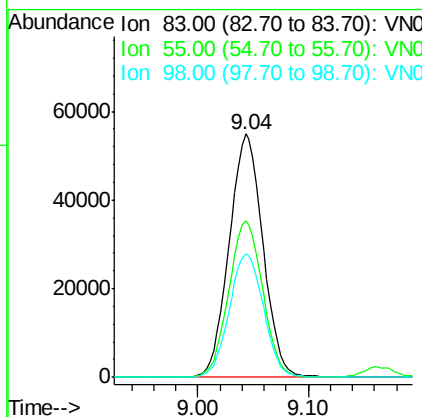
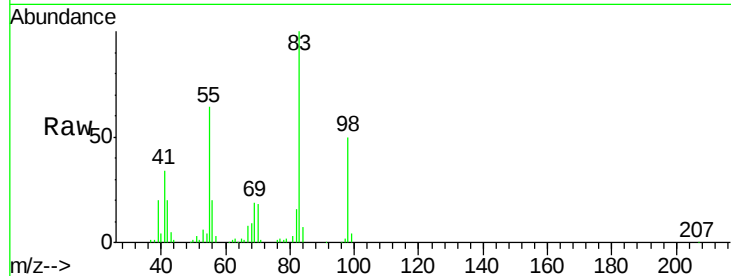
#39
Methvlcvclohexane
Concen: 18.487 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.5	54.9	82.3
98	50.5	41.0	61.4

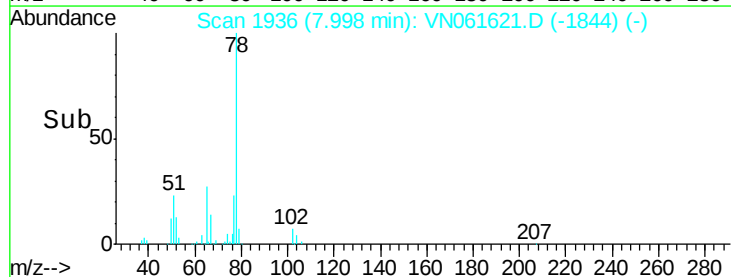
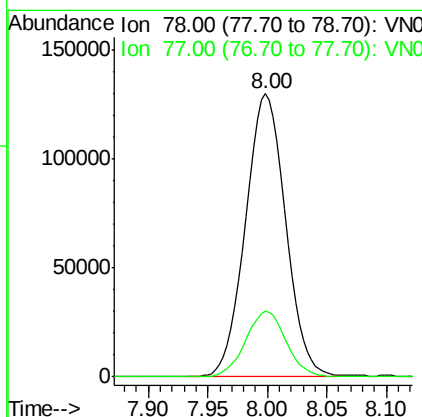
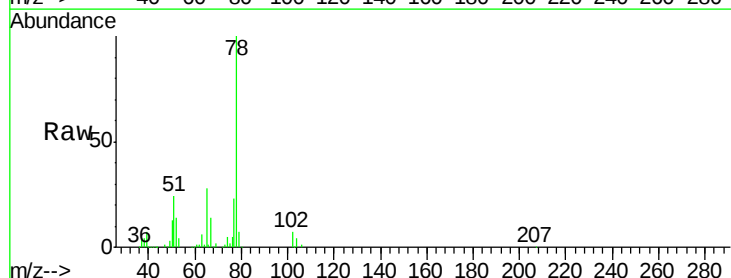
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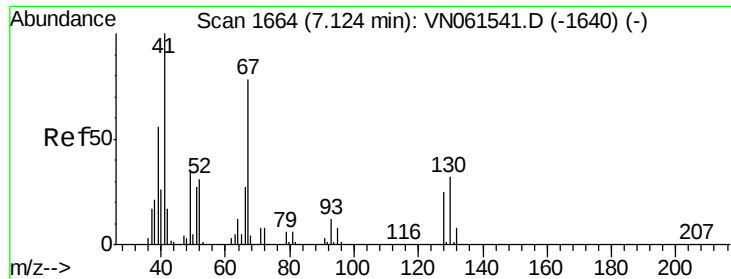
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#40
Benzene
Concen: 19.276 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





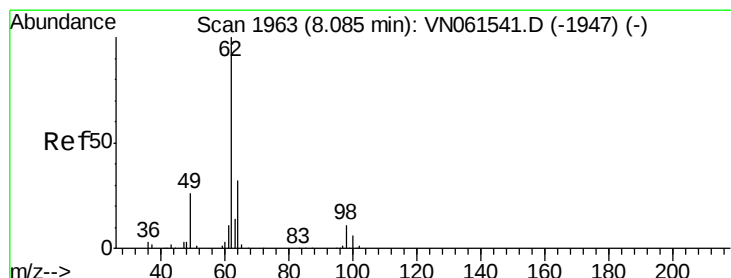
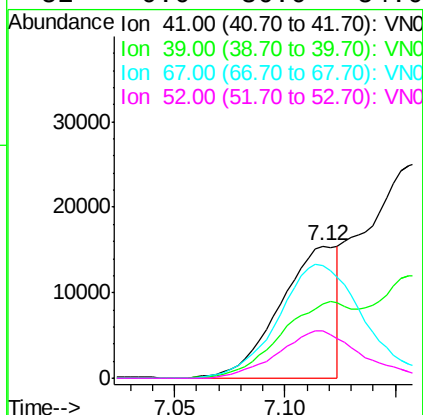
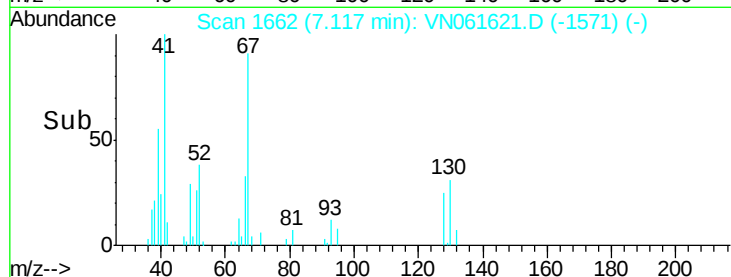
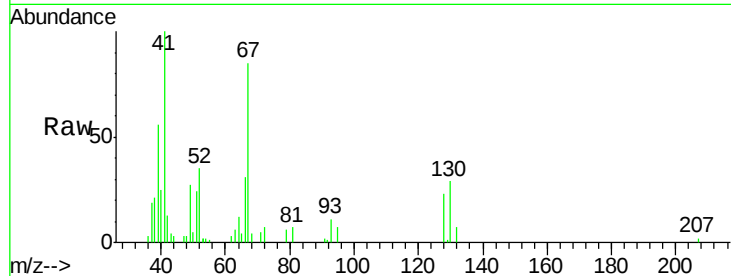
#41
Methacrylonitrile
Concen: 14.948 ug/l m
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	105.6	53.8	80.6#
67	0.0	91.1	136.7#
52	0.0	36.0	54.0#

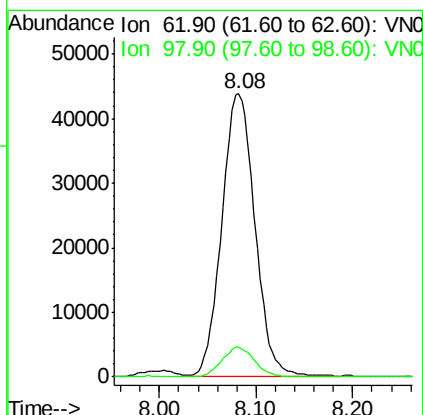
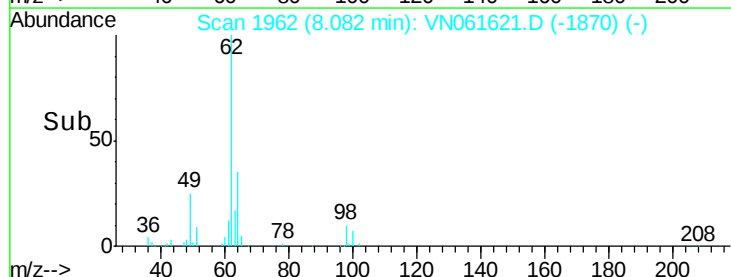
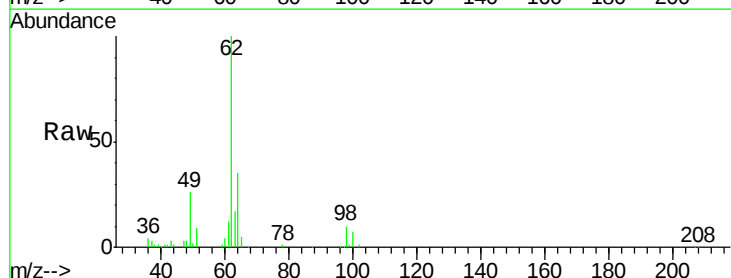
Manual Integrations
APPROVED

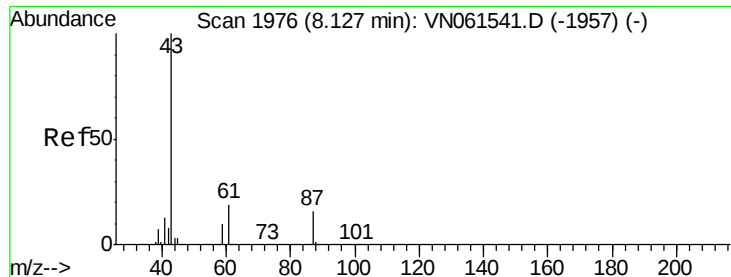
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.839 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.4





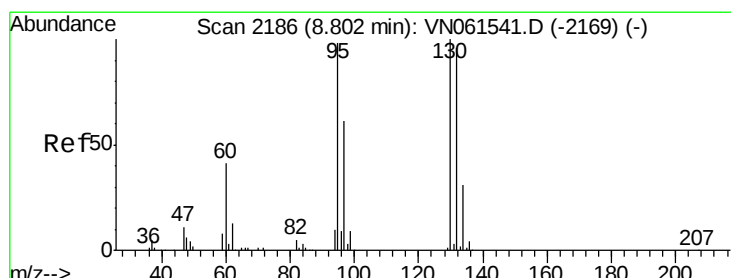
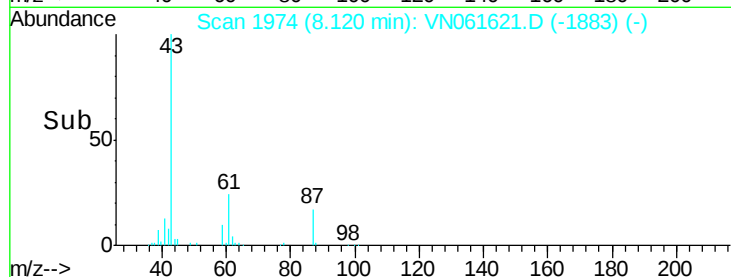
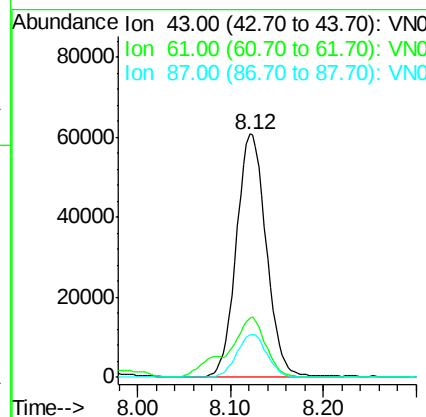
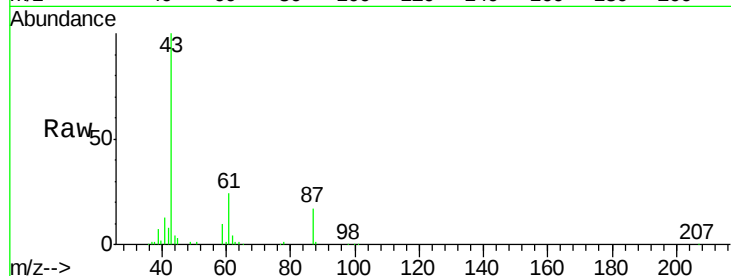
#43
Isopropyl Acetate
Concen: 18.484 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.3	23.6	35.4
87	17.5	13.0	19.6

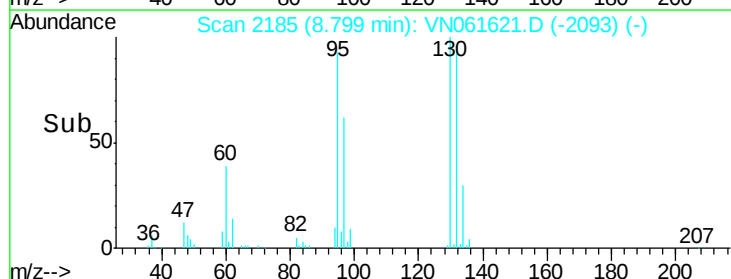
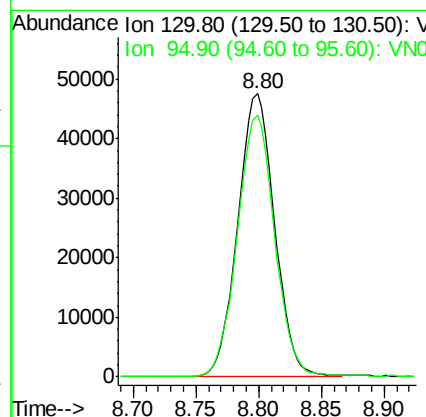
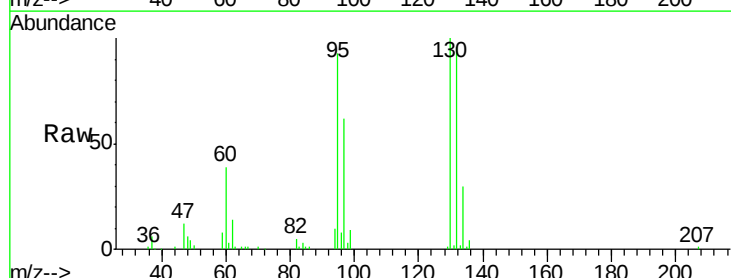
Manual Integrations
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#44
Trichloroethene
Concen: 20.043 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	196.6





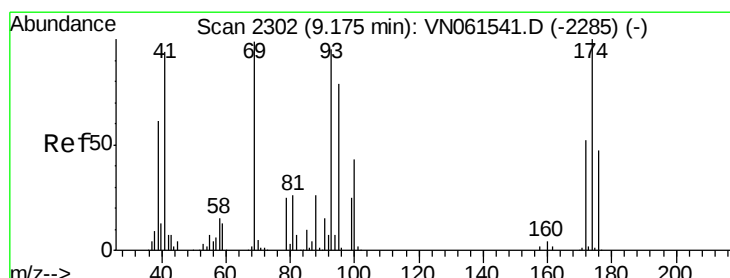
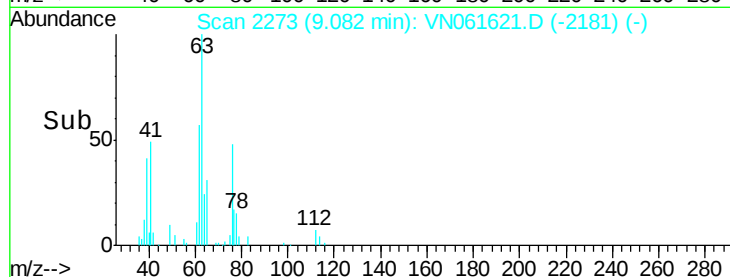
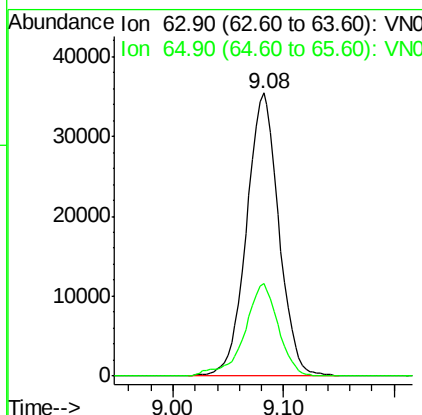
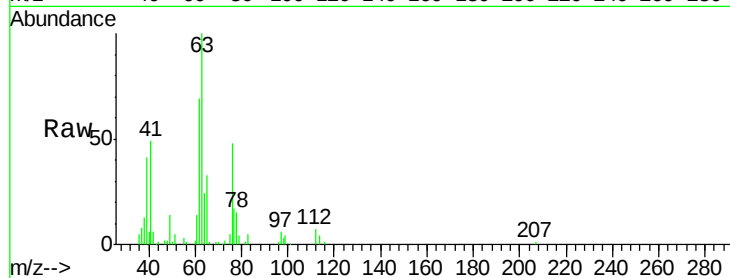
#45
 1,2-Dichloropropane
 Concen: 19.188 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion: 63 Resp: 71761
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.7 37.1

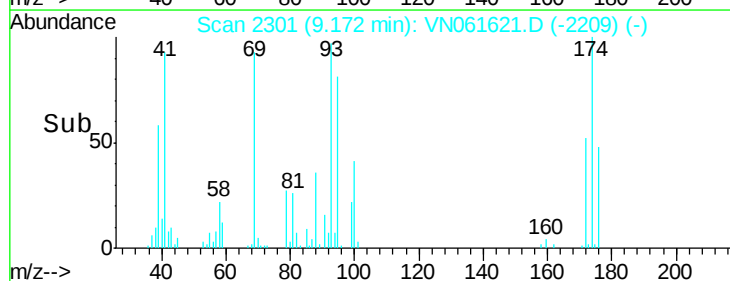
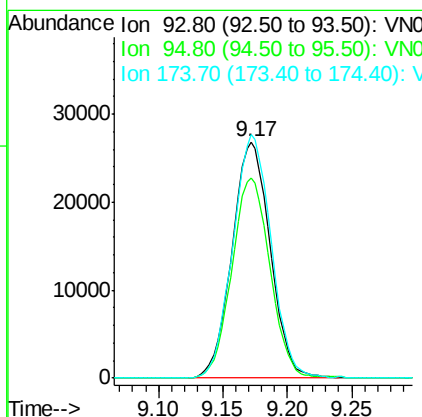
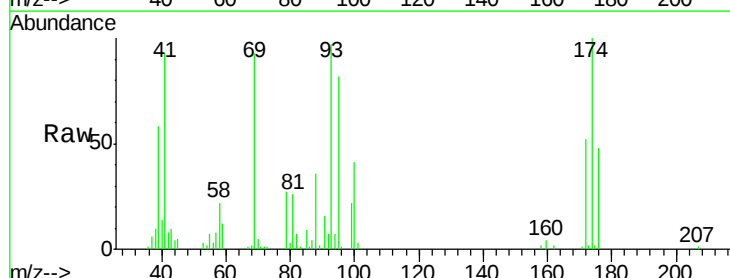
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.282 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion: 93 Resp: 55307
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.0 99.0
 174 103.3 82.5 123.7





#47

Bromodichloromethane

Concen: 19.667 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

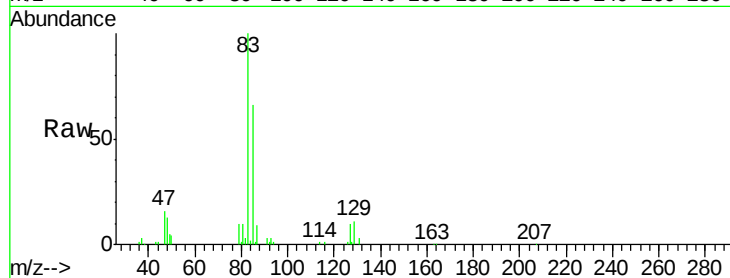
ClientSampleId :

VN0602MBSD01

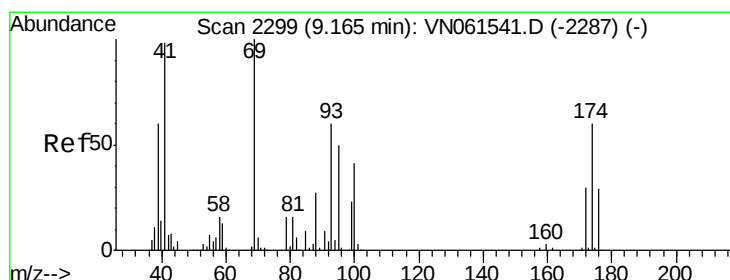
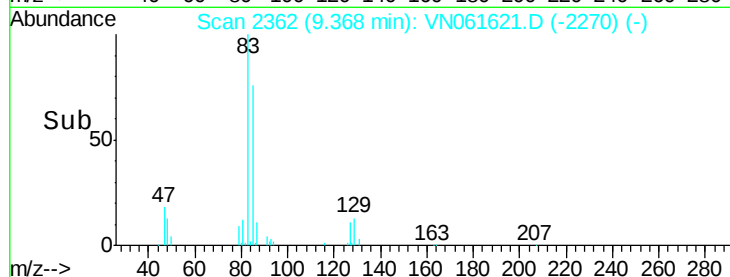
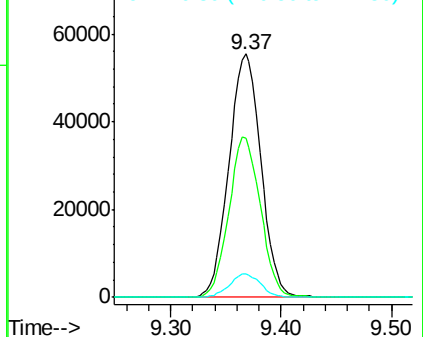
Tot Ion:	83	Resp:	111760
Ion Ratio	Lower	Upper	
83	100		
85	65.6	51.1	76.7
127	9.6	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN061621.D (-2270) (-)



#48

Methyl methacrylate

Concen: 17.722 ug/l

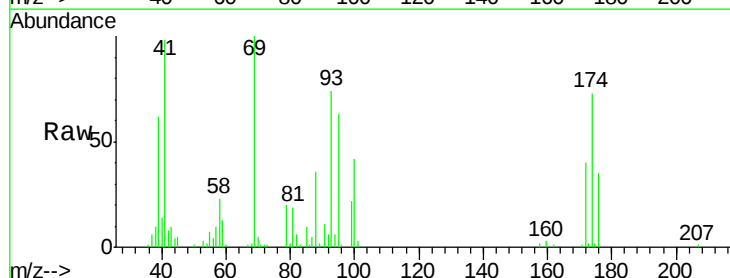
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

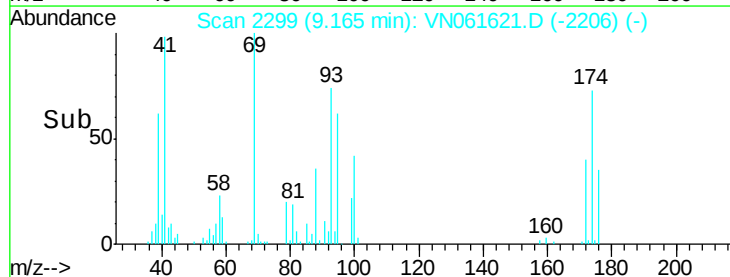
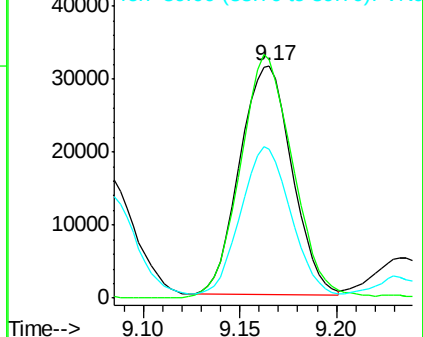
Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	41	Resp:	58979
Ion Ratio	Lower	Upper	
41	100		
69	107.1	83.9	125.9
39	64.1	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061621.D (-2206) (-)





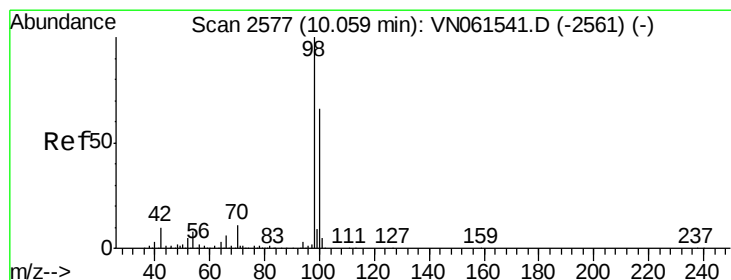
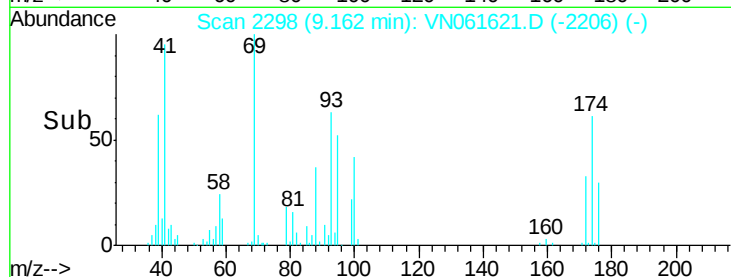
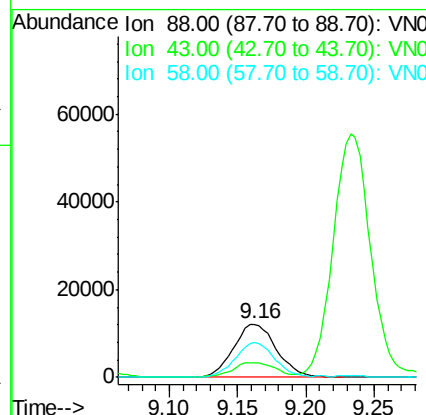
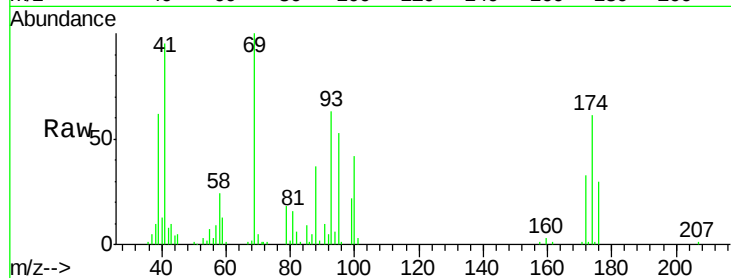
#49
1,4-Dioxane
Concen: 512.806 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	88	Resp	26438
Ion Ratio	Lower	Upper	
88	100		
43	28.0	23.1	34.7
58	59.9	48.3	72.5

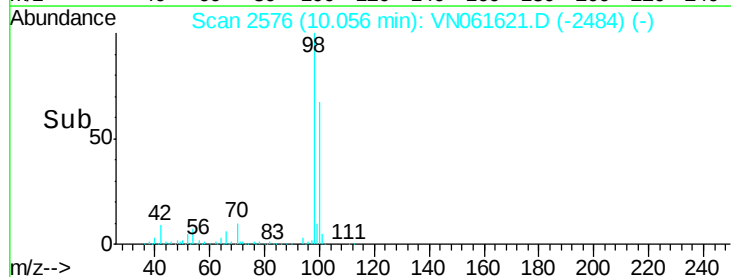
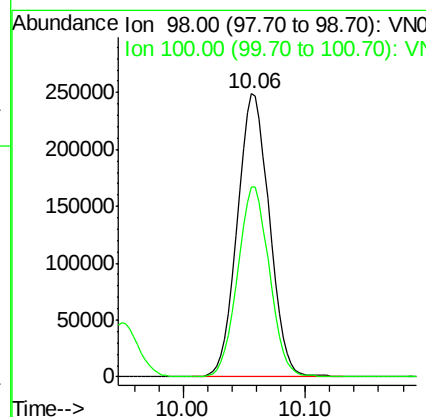
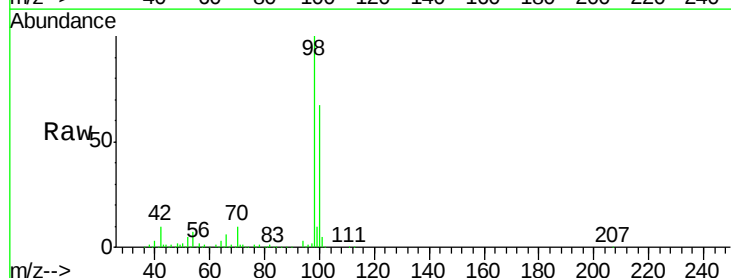
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#50
Toluene-d8
Concen: 33.466 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	98	Resp	453642
Ion Ratio	Lower	Upper	
98	100		
100	66.2	52.8	79.2





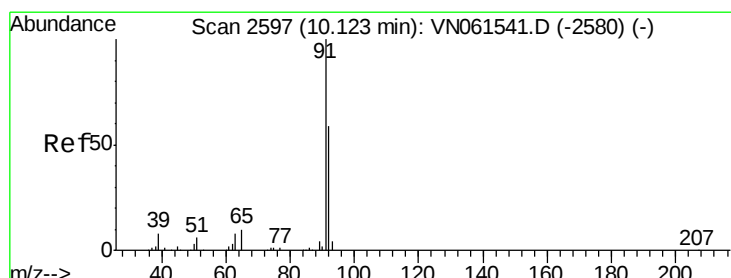
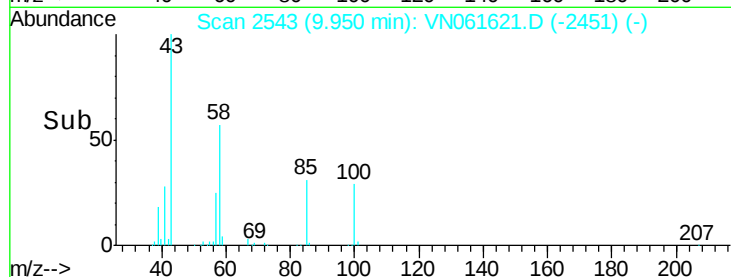
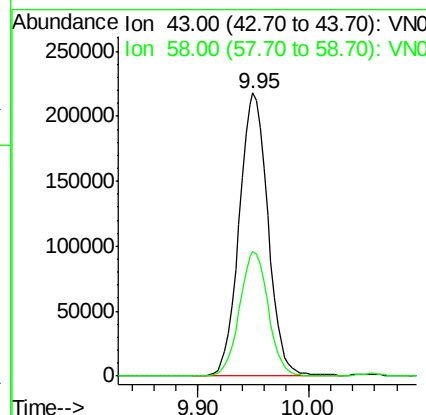
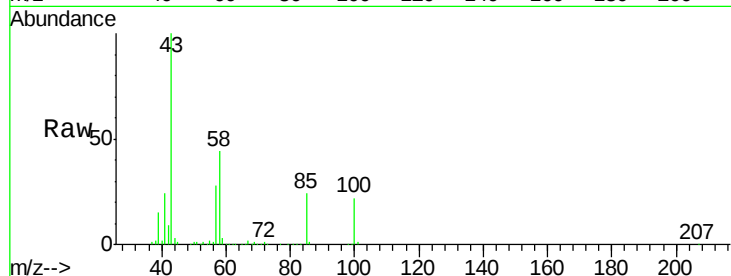
#51
4-Methyl-2-Pentanone
Concen: 94.262 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.0	35.0	52.6

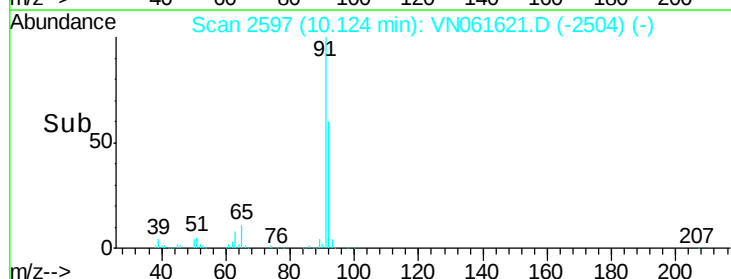
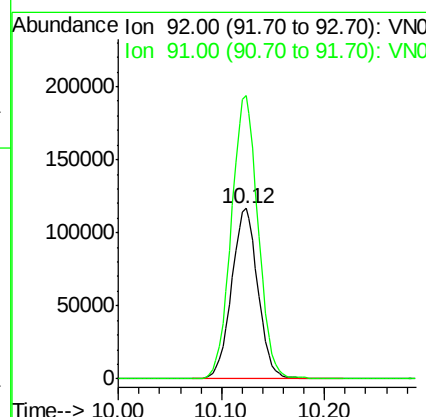
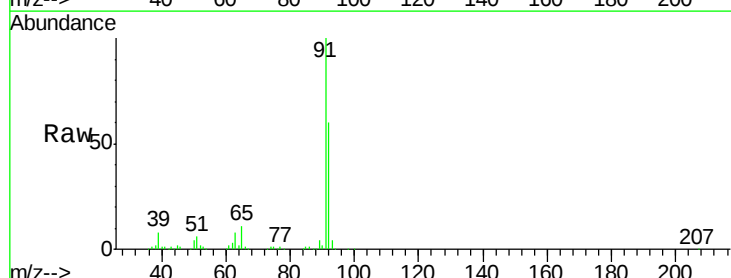
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#52
Toluene
Concen: 20.192 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.9	136.4	204.6





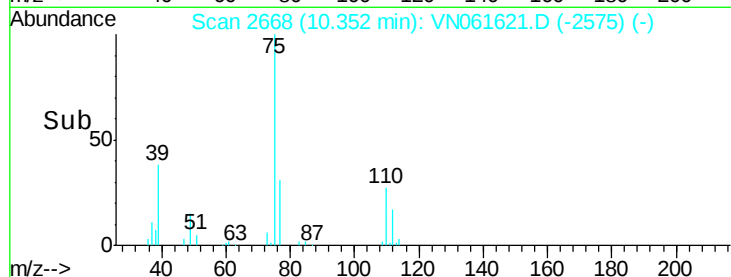
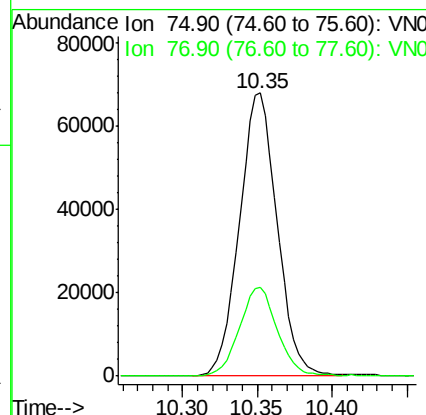
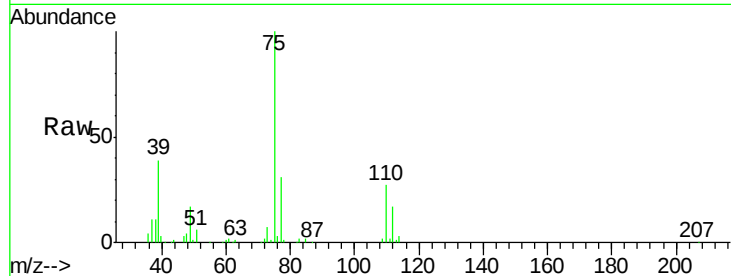
#53
t-1,3-Dichloropropene
Concen: 19.491 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.2	39.4

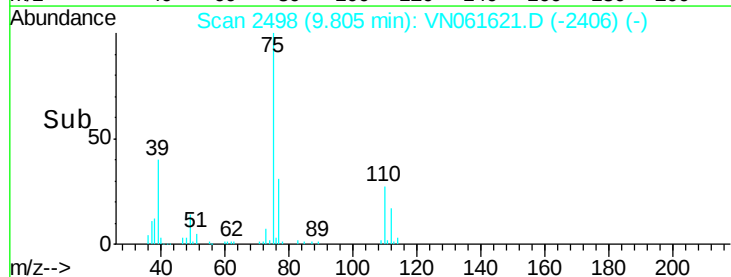
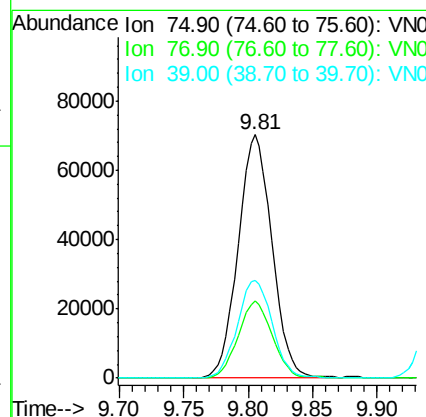
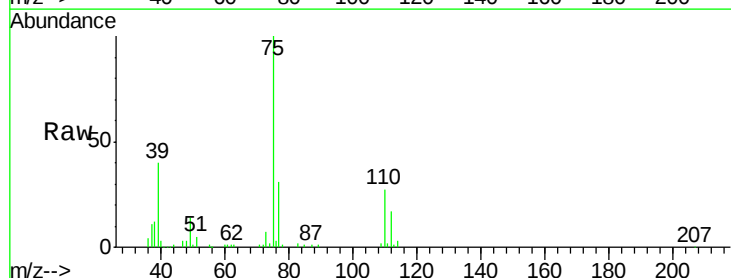
Manual Integrations
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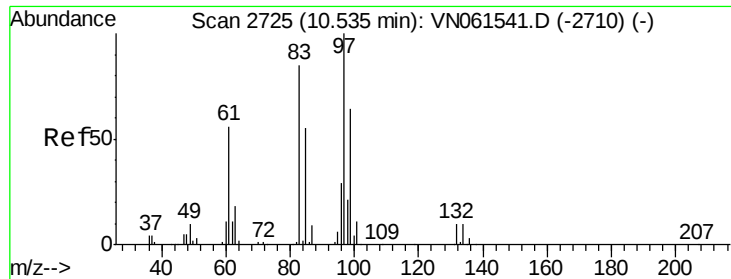
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#54
cis-1,3-Dichloropropene
Concen: 19.530 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	40.3	33.8	50.6





#55

1,1,2-Trichloroethane

Concen: 19.601 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

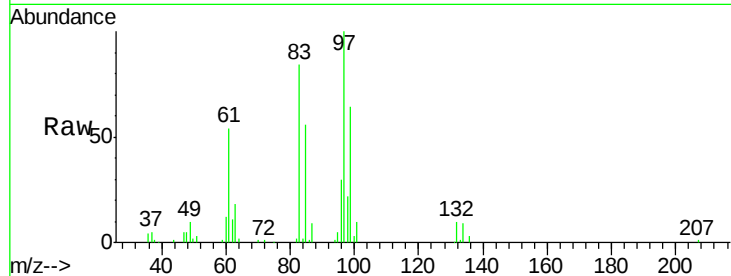
ClientSampled :

VN0602MBSD01

Tot Ion:	97	Resp:	80275
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.1	102.1
85	56.5	44.1	66.1
99	64.3	51.1	76.7

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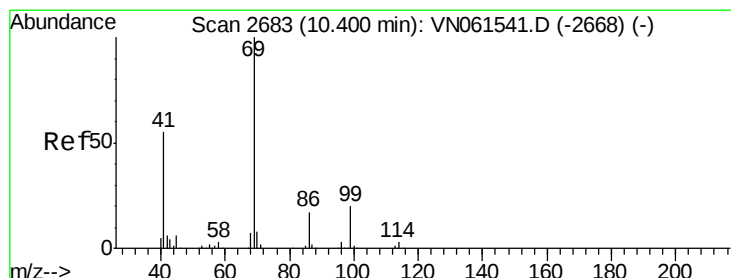
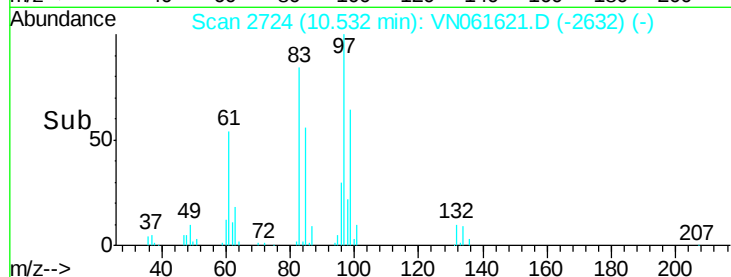
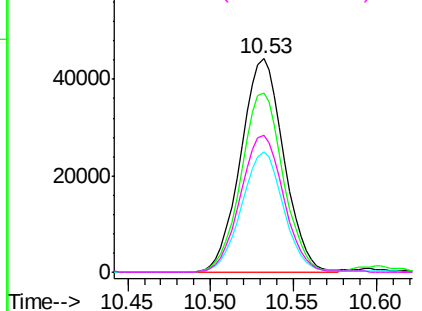


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.549 ug/l

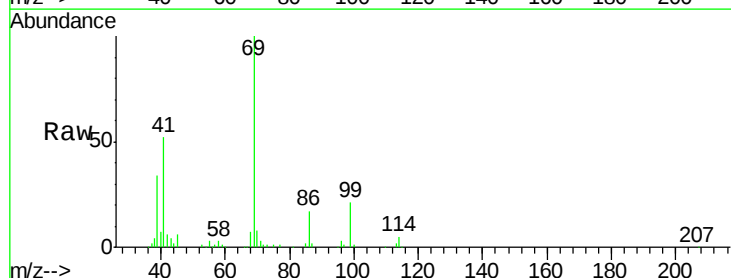
RT: 10.40 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

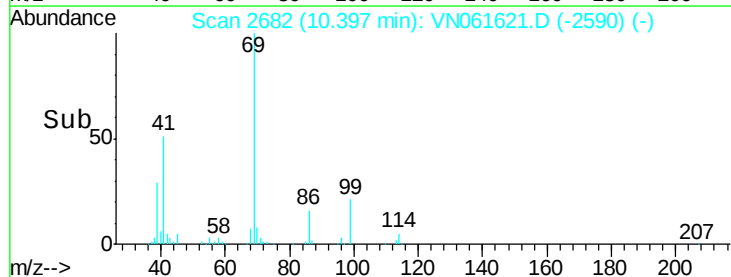
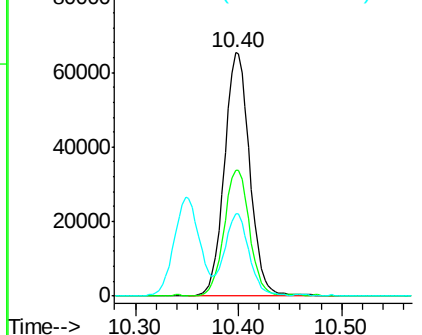
Tgt Ion:	69	Resp:	111839
Ion	Ratio	Lower	Upper
69	100		
41	52.4	43.5	65.3
39	32.3	27.0	40.6

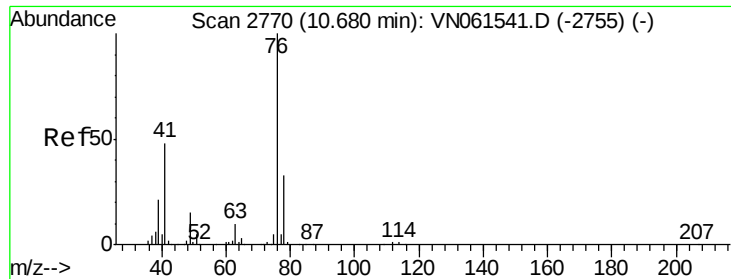


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.582 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 76 Resp: 128265

Ion Ratio Lower Upper

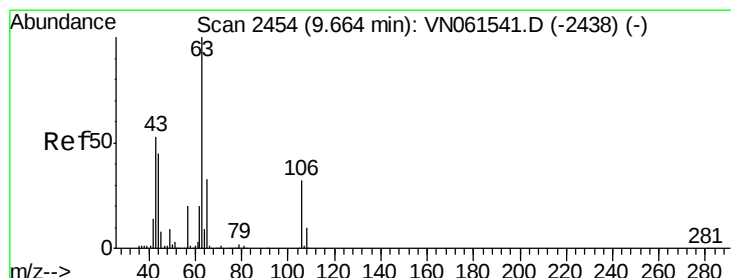
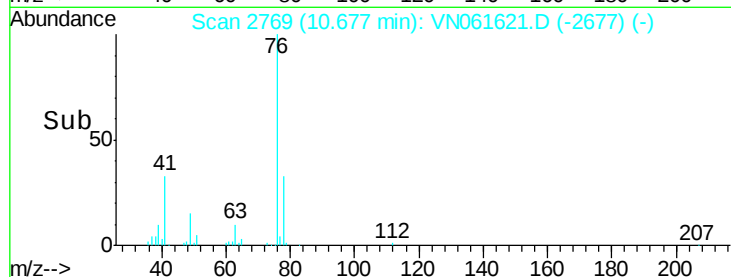
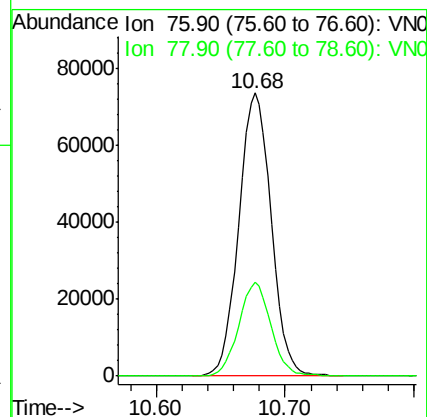
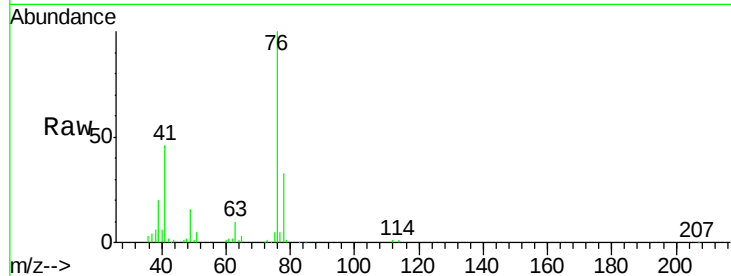
76 100

78 33.2 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 79.799 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061621.D

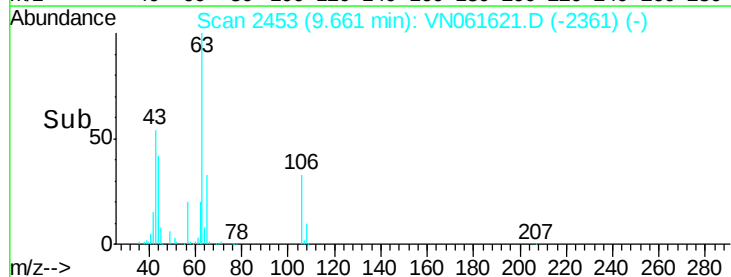
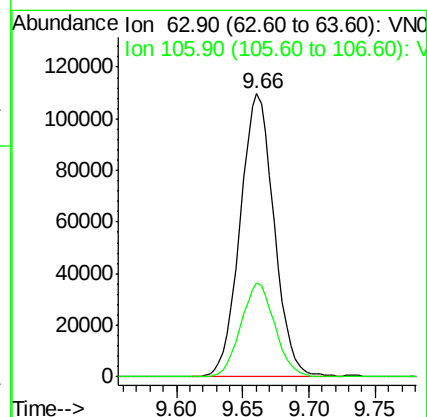
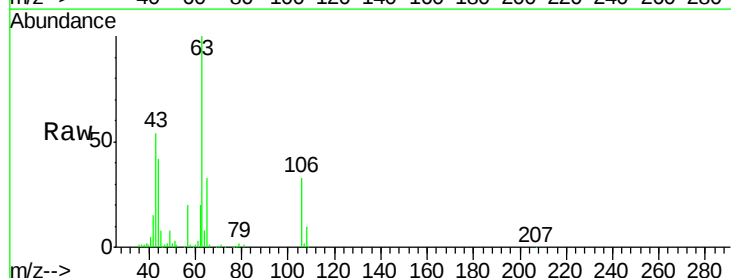
Acq: 2 Jun 2020 16:02

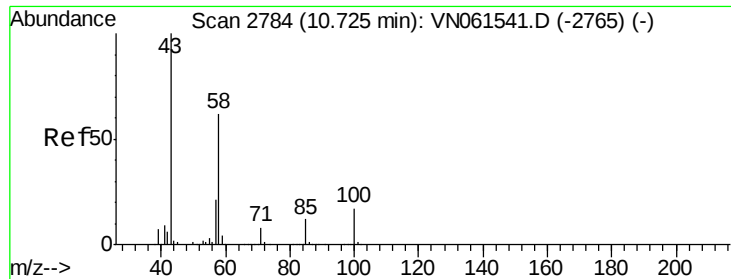
Tgt Ion: 63 Resp: 195098

Ion Ratio Lower Upper

63 100

106 33.3 25.9 38.9





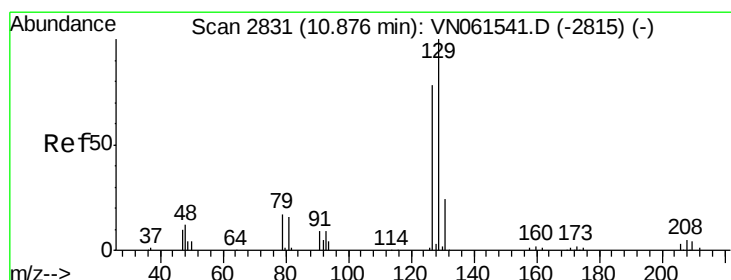
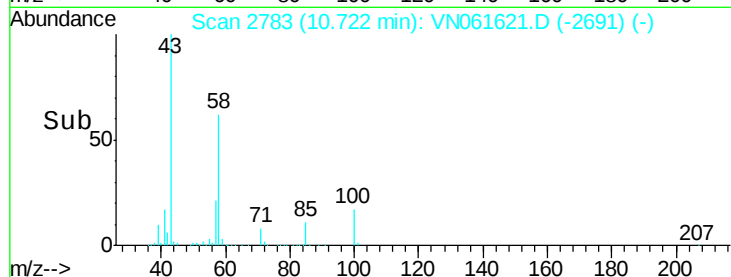
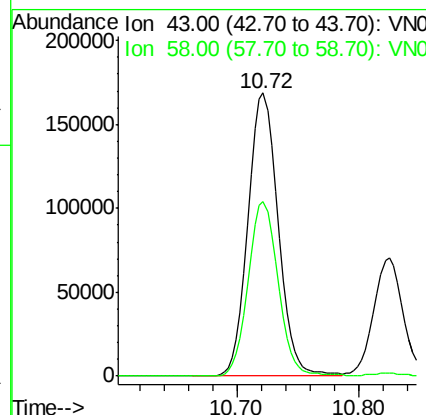
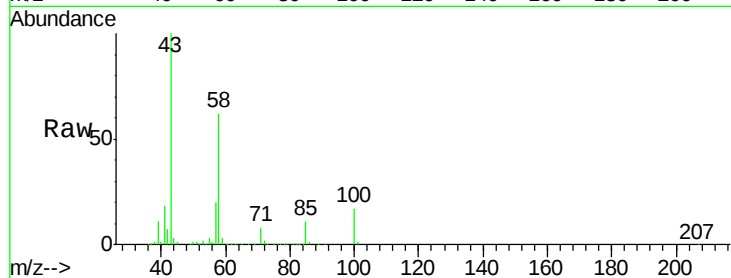
#59
2-Hexanone
Concen: 96.179 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.2	30.7	92.1

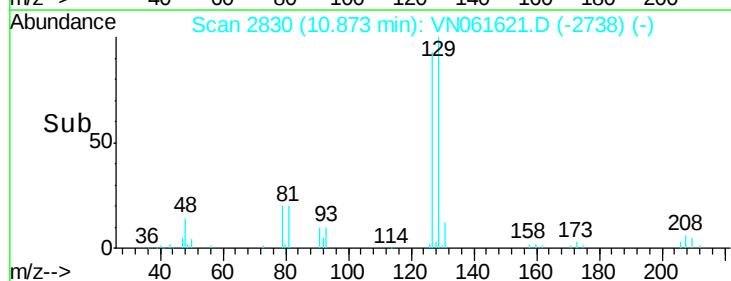
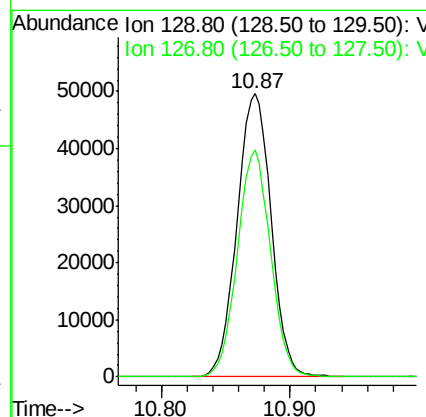
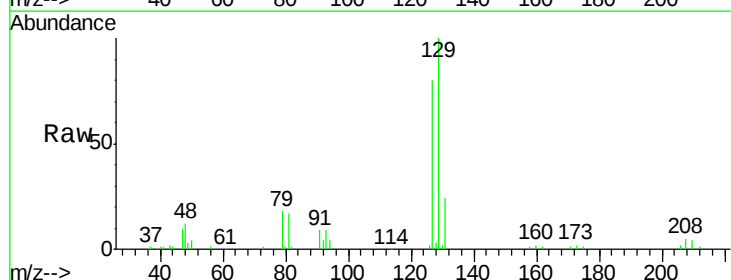
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#60
Dibromochloromethane
Concen: 19.600 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.8	116.3





#61

1,2-Dibromoethane

Concen: 20.284 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 107 Resp: 86643

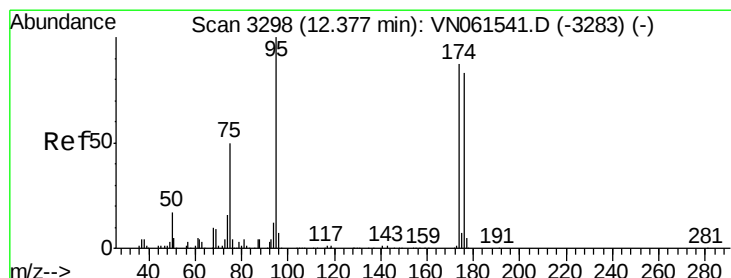
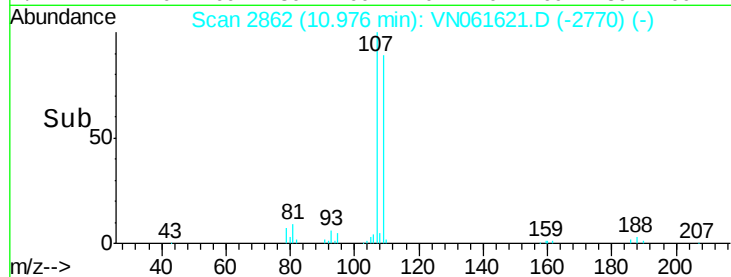
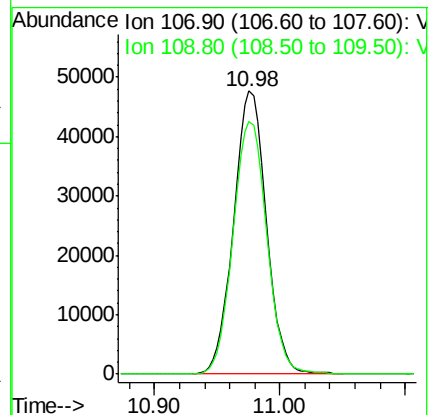
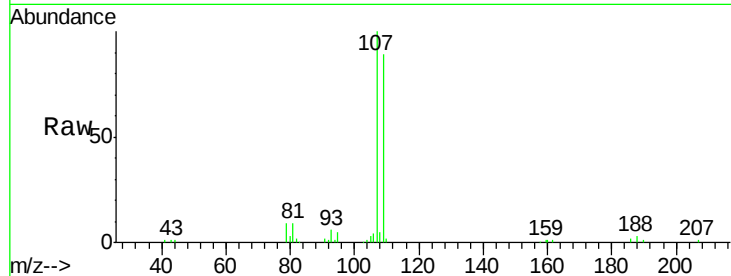
Ion Ratio Lower Upper

107 100

109 92.3 76.1 114.1

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#62

4-Bromofluorobenzene

Concen: 33.643 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

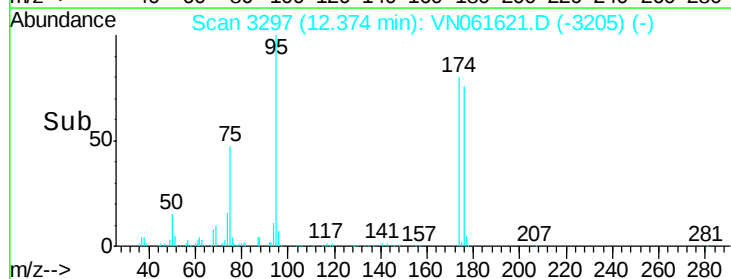
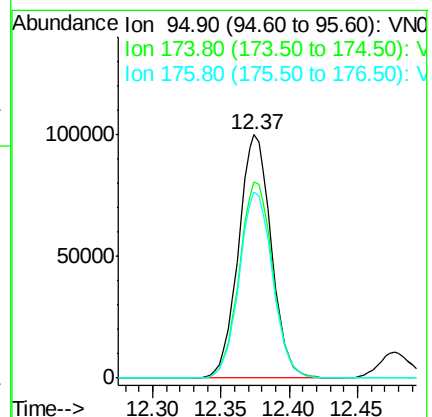
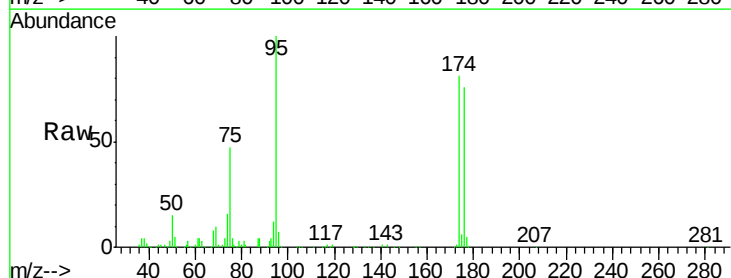
Tgt Ion: 95 Resp: 166380

Ion Ratio Lower Upper

95 100

174 82.5 0.0 172.8

176 78.3 0.0 164.8





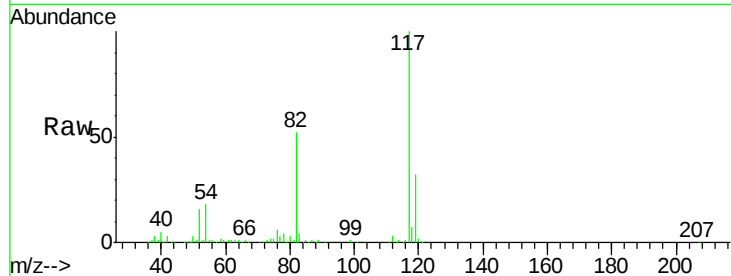
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.5	62.3
119	31.6	25.6	38.4

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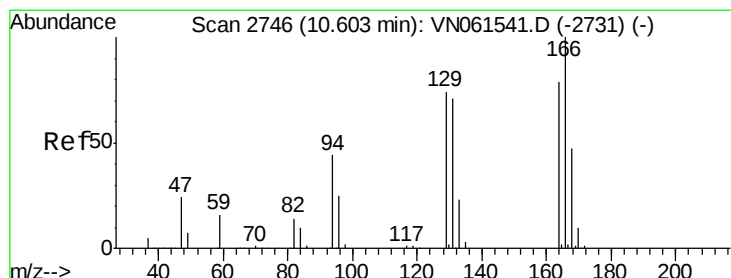
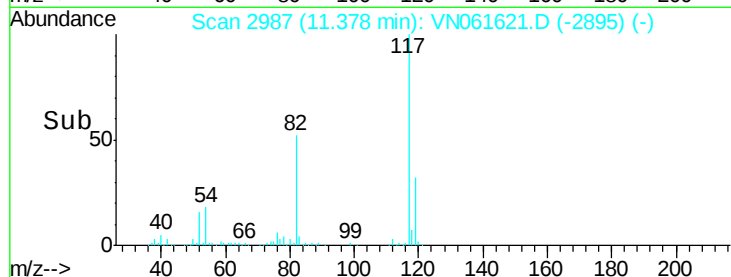
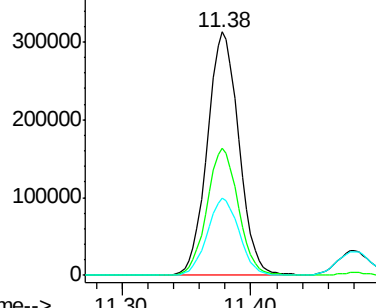


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.435 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.5	152.3
129	91.8	74.9	112.3
131	90.0	72.2	108.2

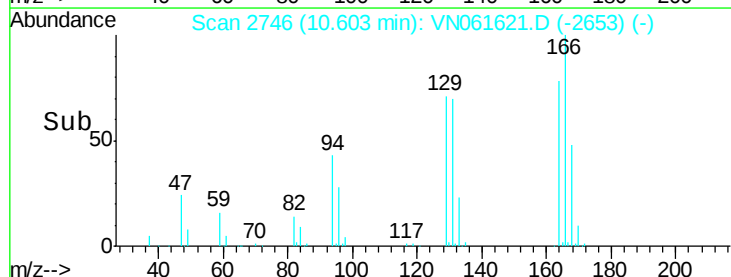
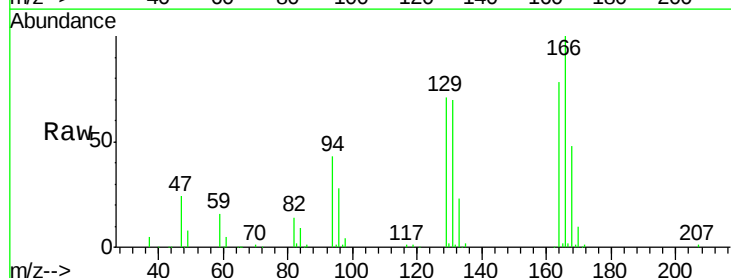
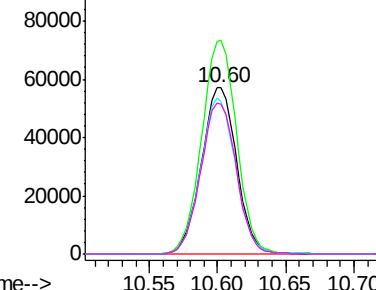
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





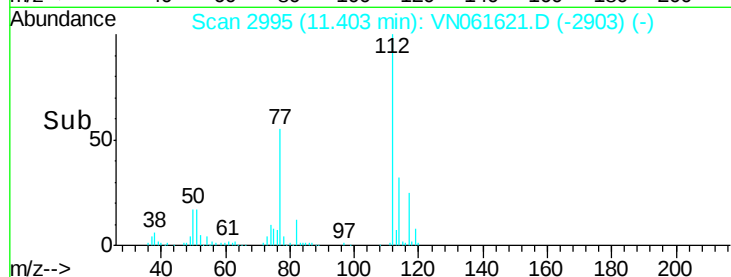
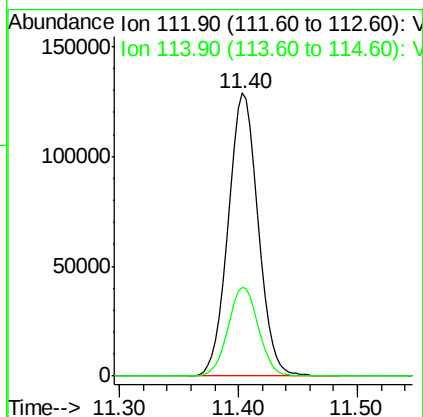
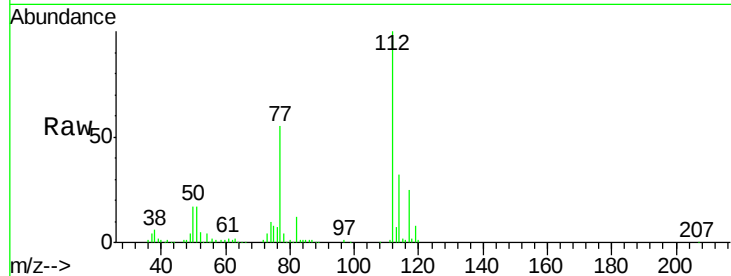
#65
Chlorobenzene
Concen: 20.321 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion:112 Resp: 225002
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

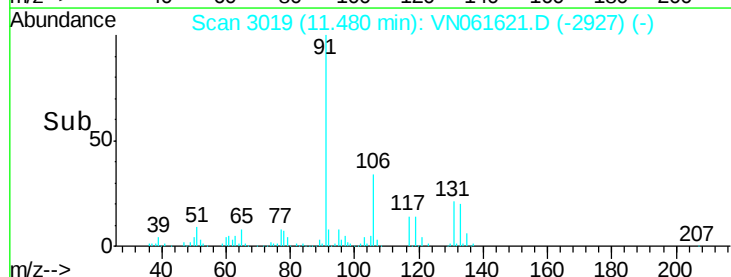
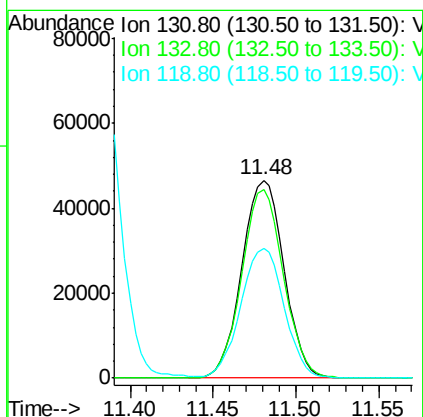
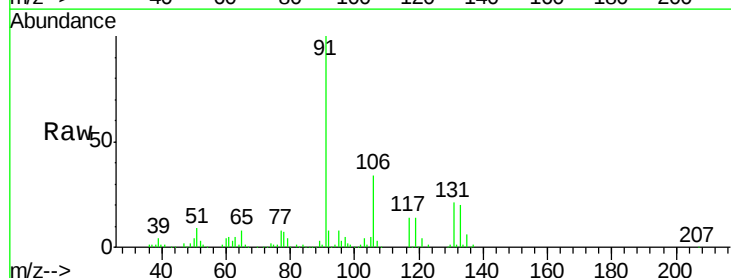
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.973 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion:131 Resp: 82344
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 67.6 32.6 97.8





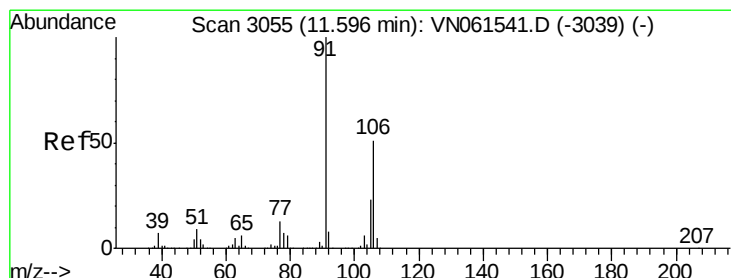
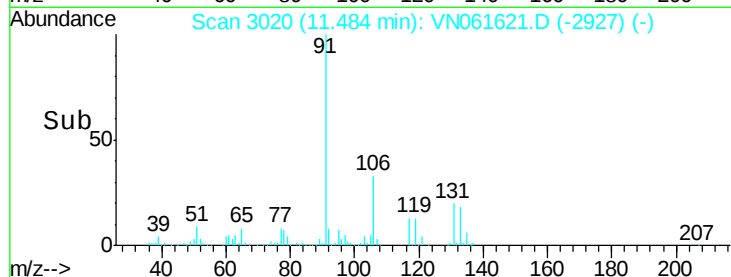
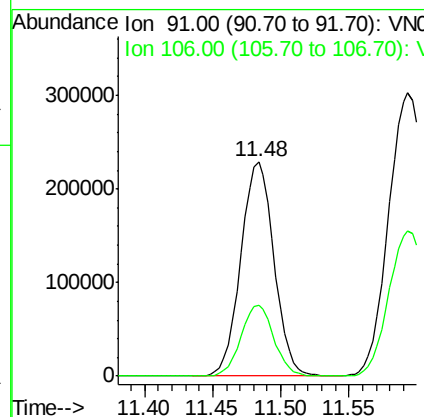
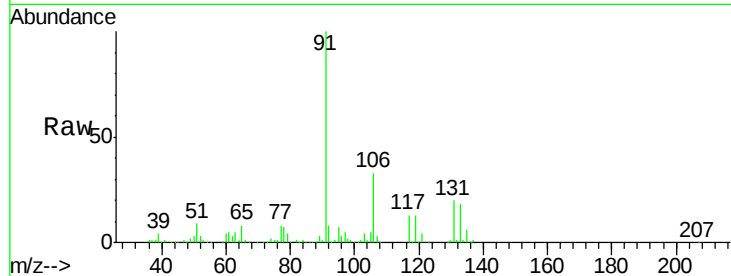
#67
Ethyl Benzene
Concen: 20.249 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.3	25.6	38.4

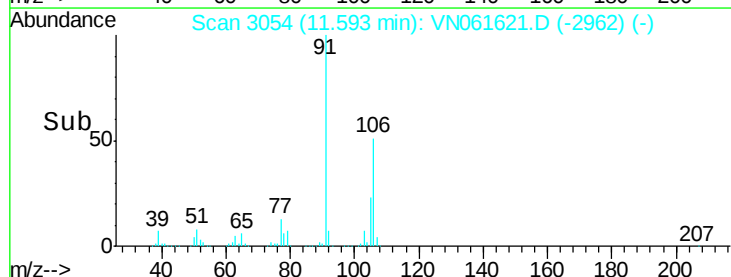
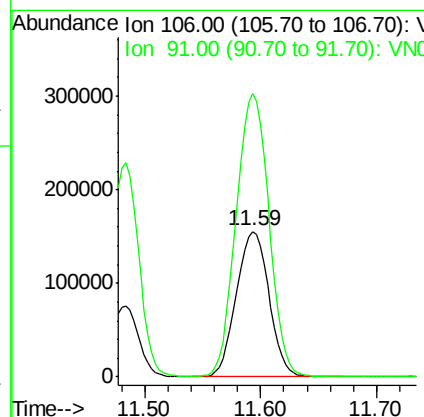
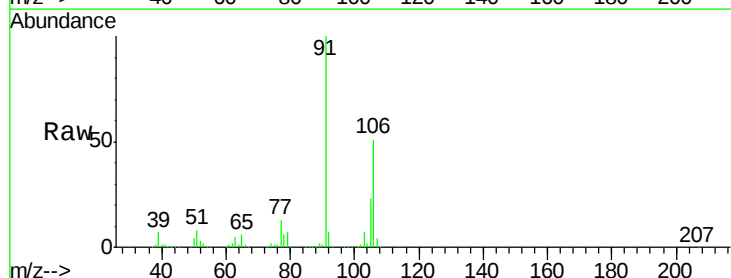
Manual Integrations
APPROVED

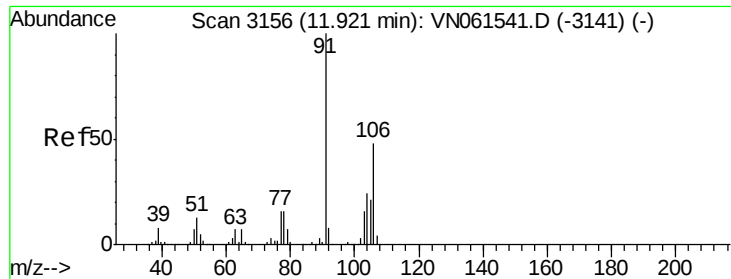
MMDadoda
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#68
m/p-Xylenes
Concen: 39.879 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.9	156.2	234.4





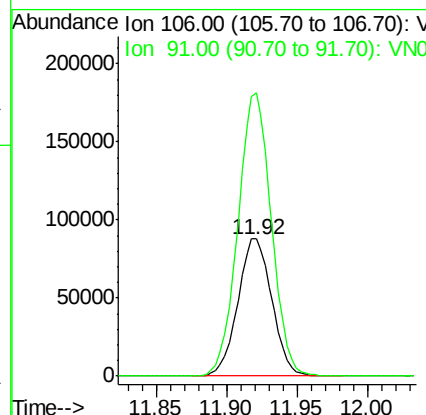
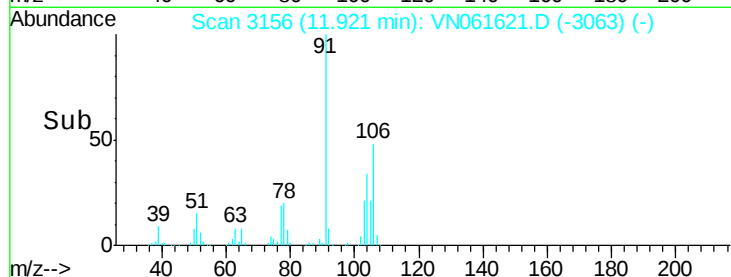
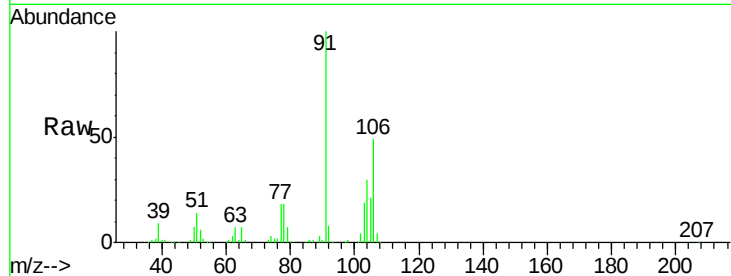
#69
o-Xylene
Concen: 20.601 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	202.1	103.3	309.8		

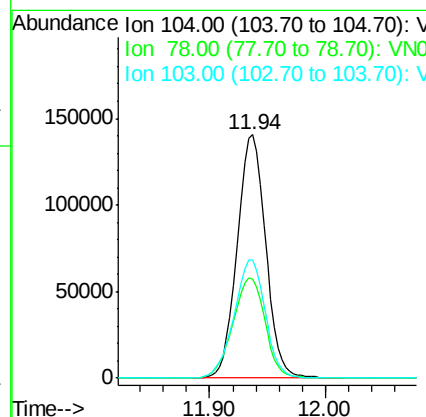
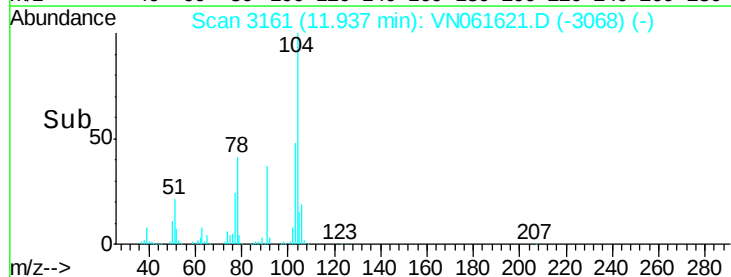
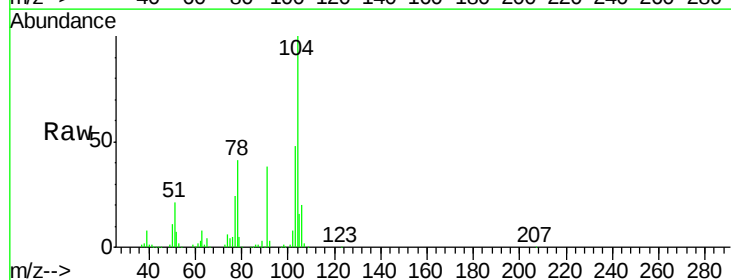
Manual Integrations
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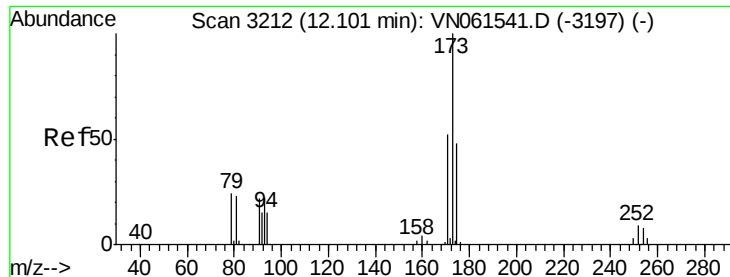
MMDadoda
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#70
Styrene
Concen: 20.039 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.5	37.4	56.0		
103	53.5	42.3	63.5		





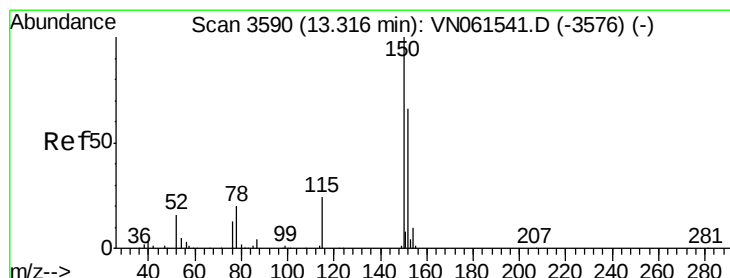
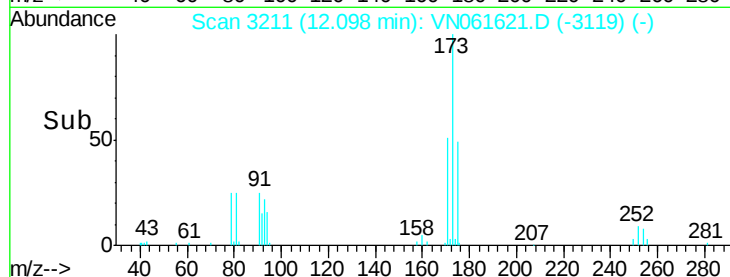
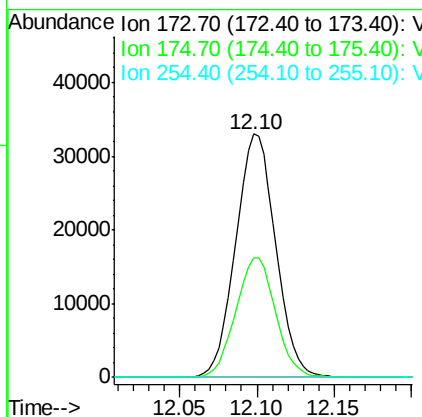
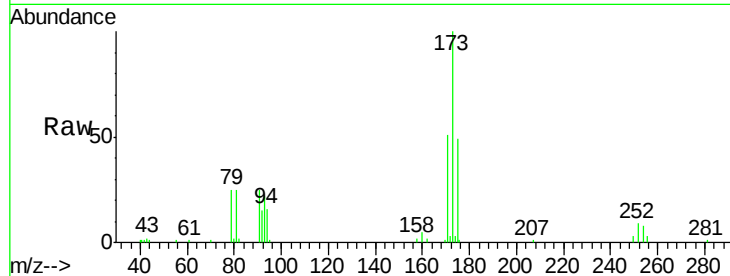
#71
Bromoform
Concen: 18.666 ug/l
RT: 12.10 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.0	0.0	0.0

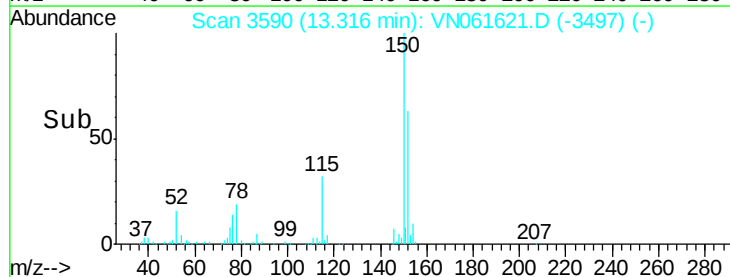
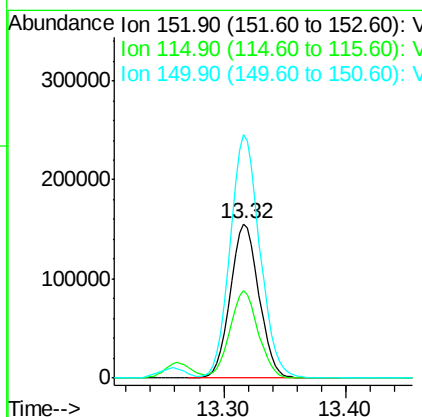
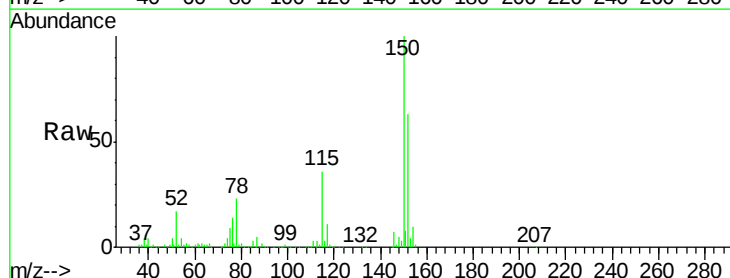
Manual Integrations
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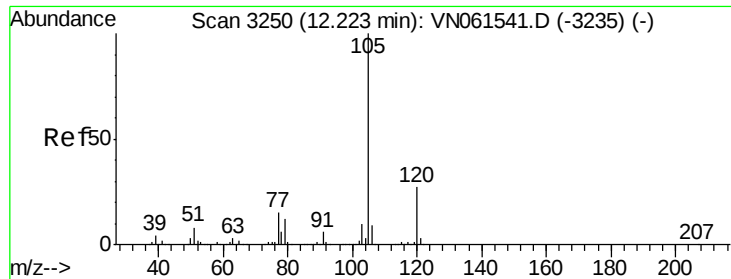
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	163.1	0.0	344.0





#73

Isopropylbenzene

Concen: 20.546 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleID :

VN0602MBSD01

Tot Ion: 105 Resp: 383583

Ion Ratio Lower Upper

105 100

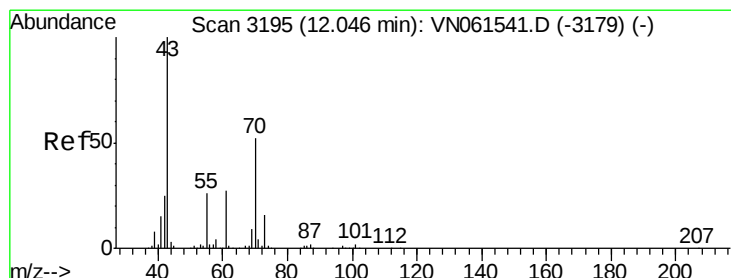
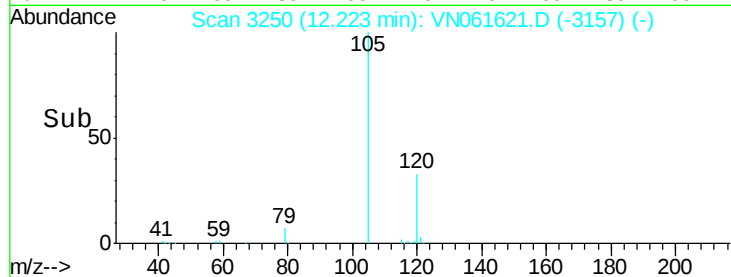
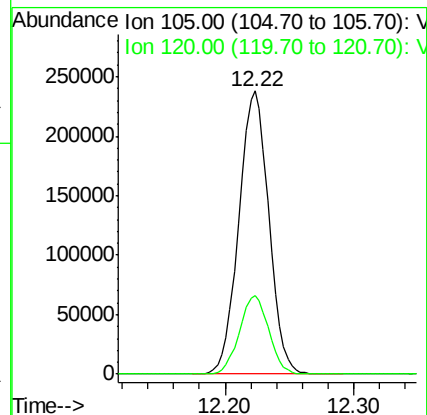
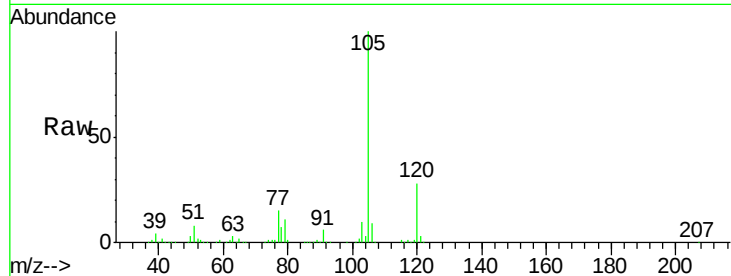
120 27.3 13.8 41.3

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#74

N-ethyl acetate

Concen: 18.800 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion: 43 Resp: 110536

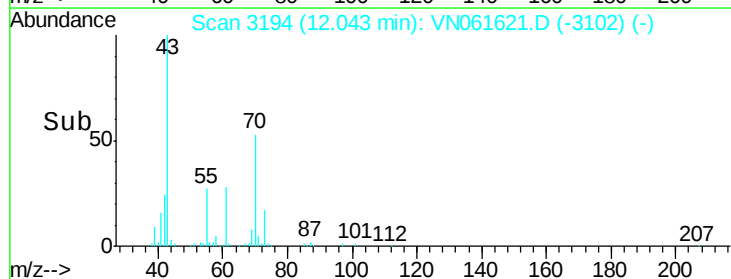
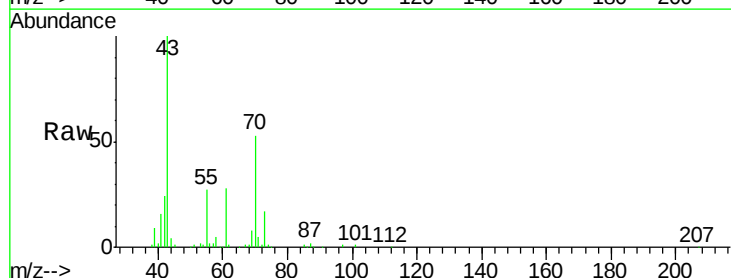
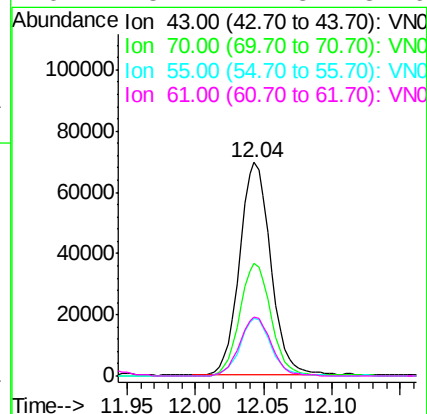
Ion Ratio Lower Upper

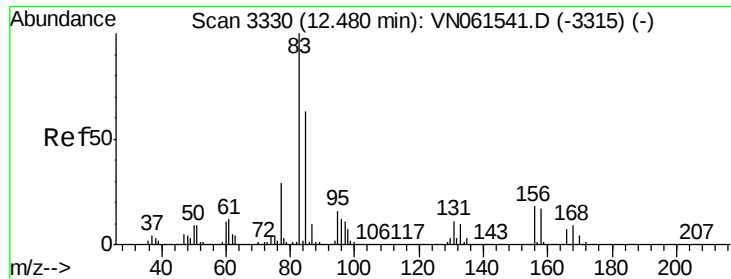
43 100

70 53.5 40.5 60.7

55 27.0 20.6 31.0

61 28.2 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.514 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

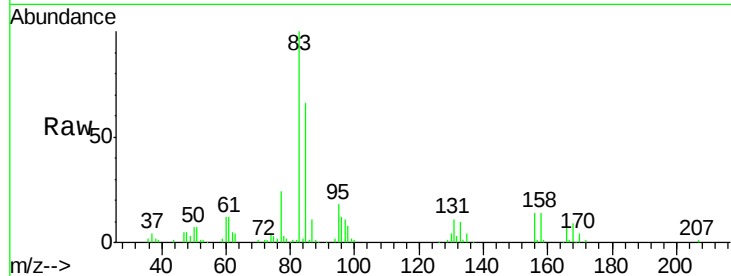
ClientSampled :

VN0602MBSD01

Tot Ion:	83	Resp:	102094
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.5
85	64.9	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)

12.48

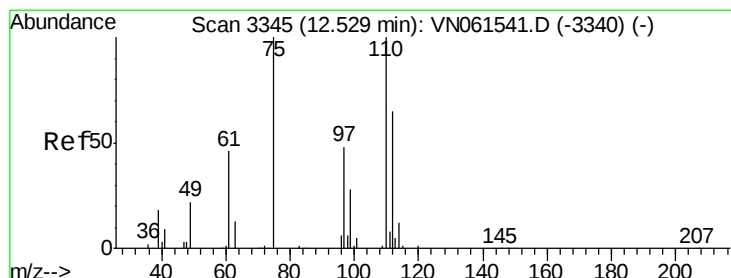
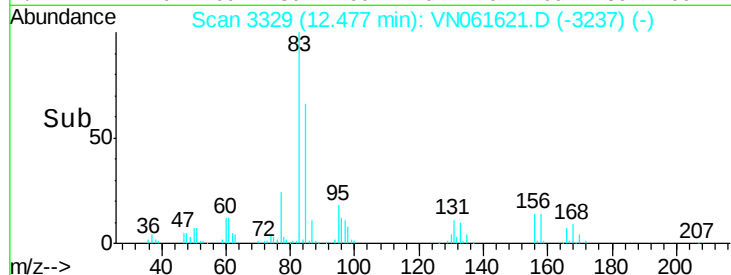
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 20.051 ug/l m

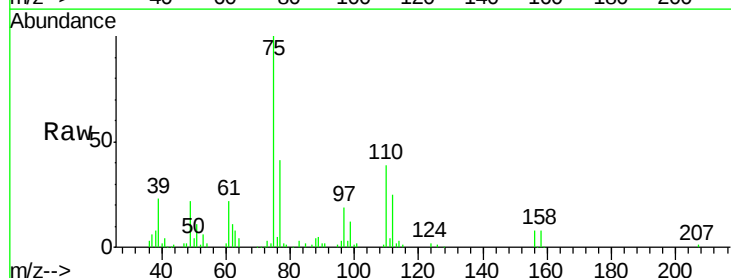
RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	75	Resp:	93267
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)

100000

80000

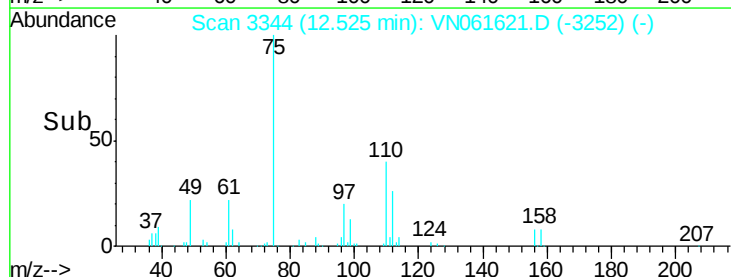
60000

40000

20000

0

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 19.986 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

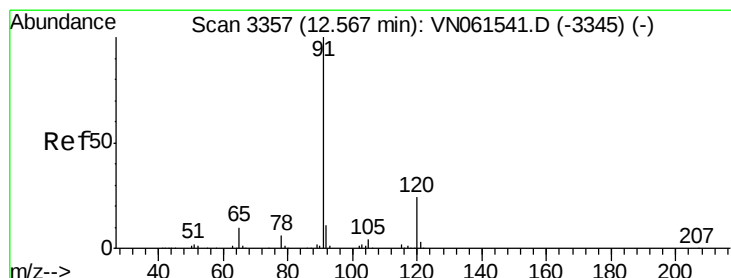
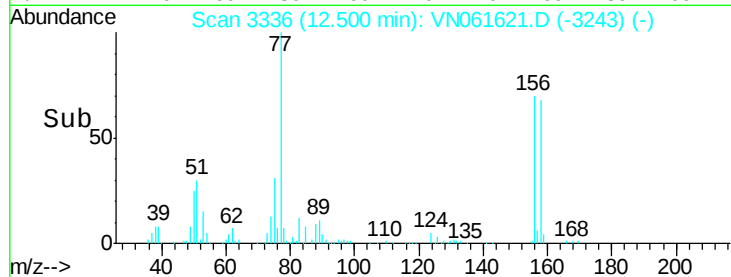
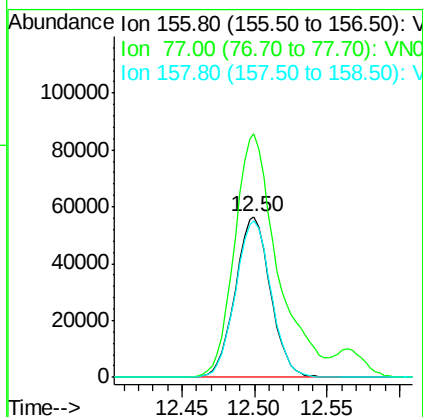
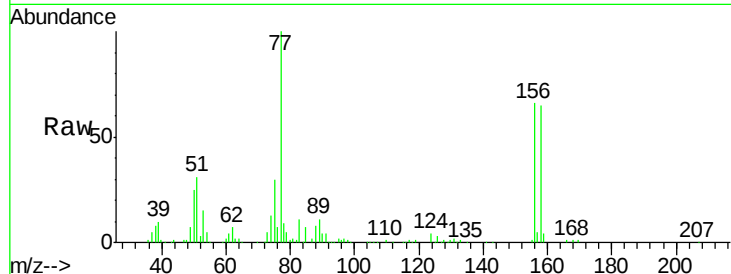
ClientSampleId :

VN0602MBSD01

Tot Ion:	156	Resp:	95246
Ion Ratio	Lower	Upper	
156	100		
77	185.8	90.9	272.7
158	98.7	48.4	145.3

Manual Integrations
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6/3/2020 11:32:28 AM



#78

n-propylbenzene

Concen: 19.877 ug/l

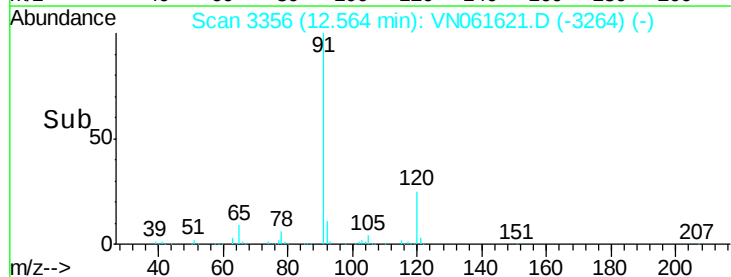
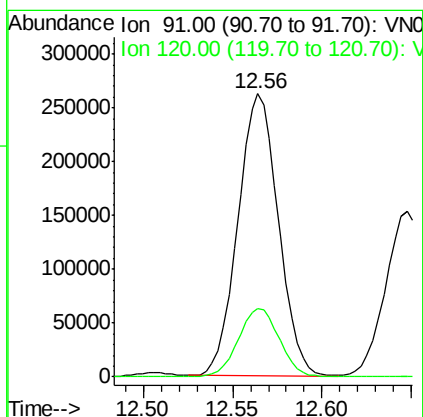
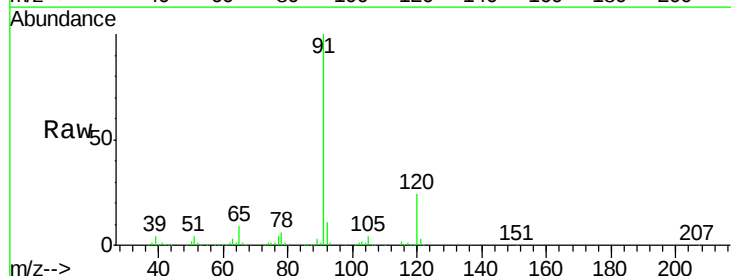
RT: 12.56 min Scan# 3356

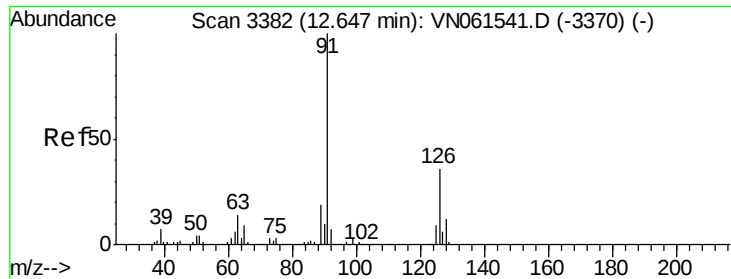
Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	91	Resp:	414295
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.9





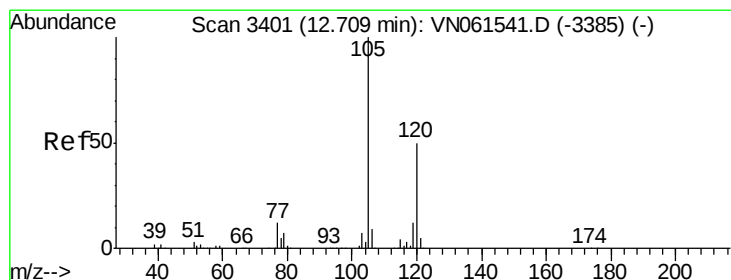
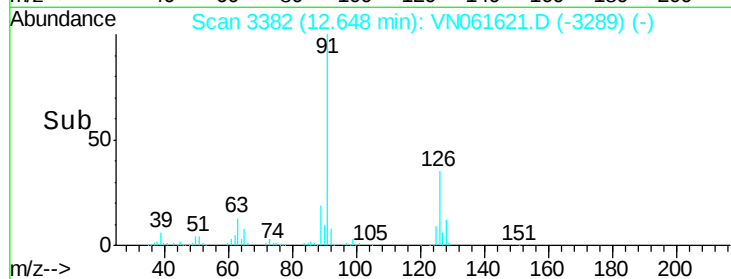
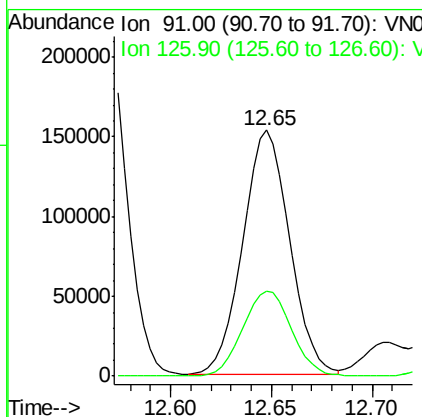
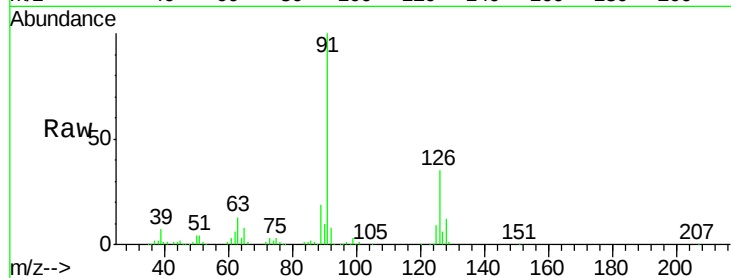
#79
 2-Chlorotoluene
 Concen: 20.150 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion: 91 Resp: 250431
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.7

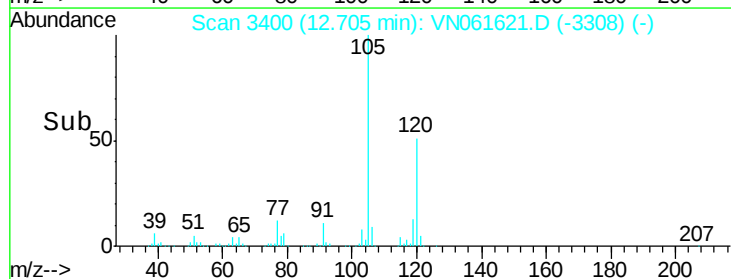
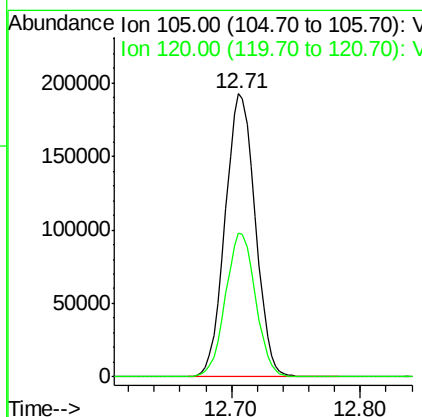
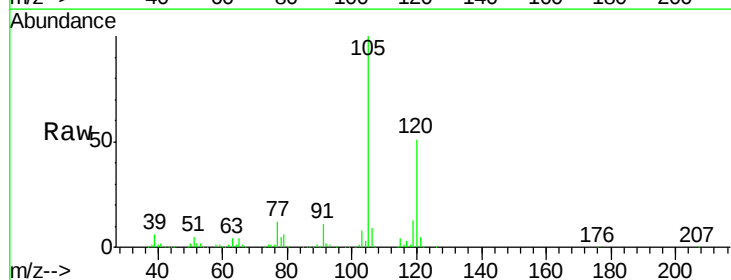
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.893 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion: 105 Resp: 310415
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.749 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

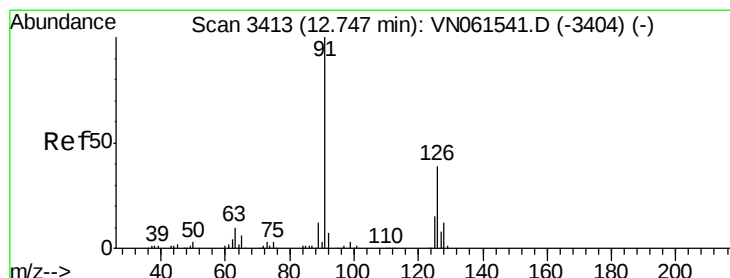
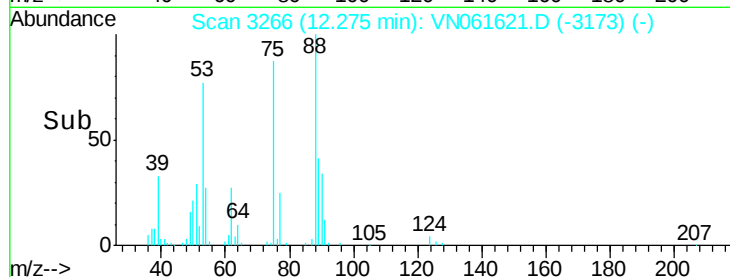
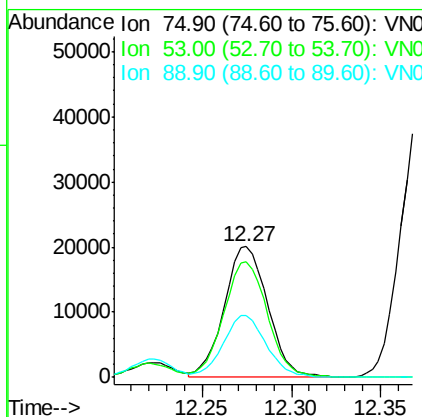
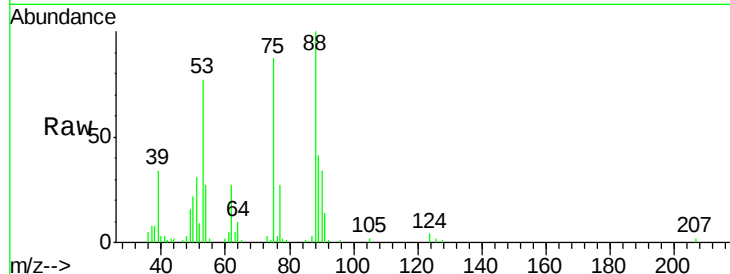
ClientSampled :

VN0602MBSD01

Tot Ion:	75	Resp:	34103
Ion Ratio	Lower	Upper	
75	100		
53	88.5	67.8	101.8
89	46.9	37.1	55.7

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#82

4-Chlorotoluene

Concen: 20.051 ug/l

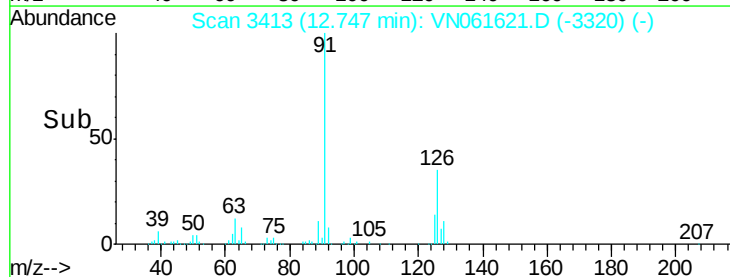
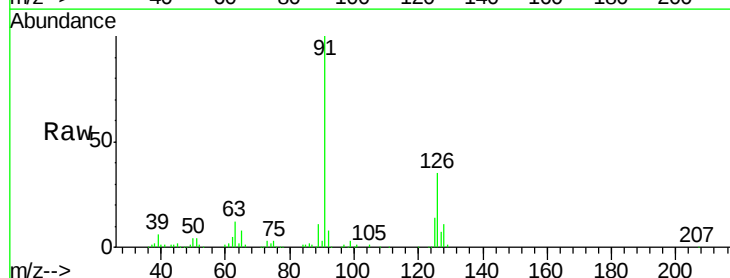
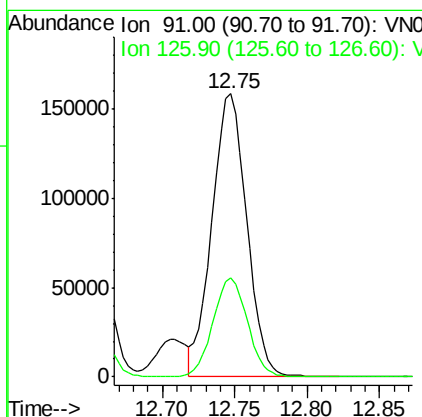
RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	91	Resp:	262151
Ion Ratio	Lower	Upper	
91	100		
126	35.0	17.5	52.6





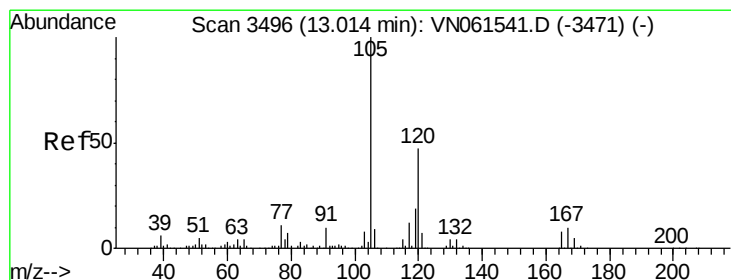
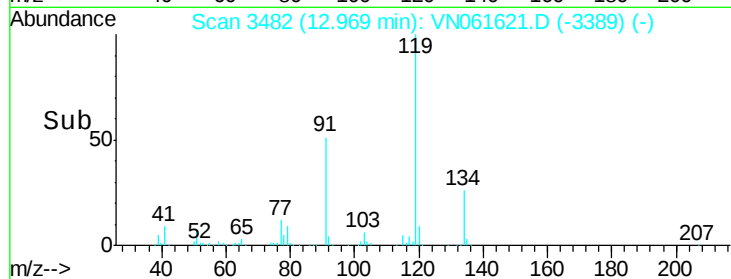
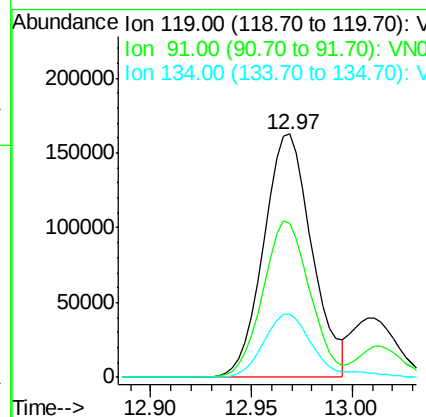
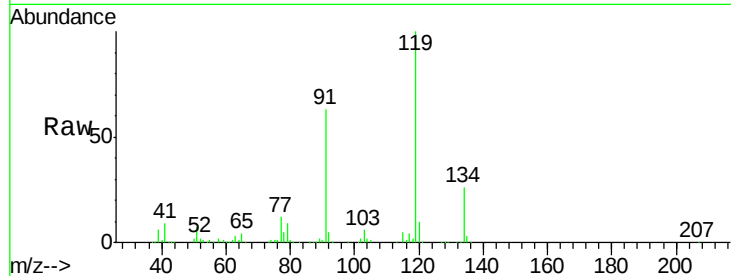
#83
 tert-Butylbenzene
 Concen: 19.693 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	271515		
91	62.6		31.3	93.8
134	27.1		13.5	40.4

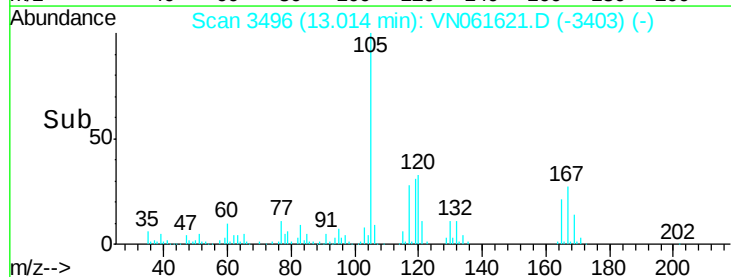
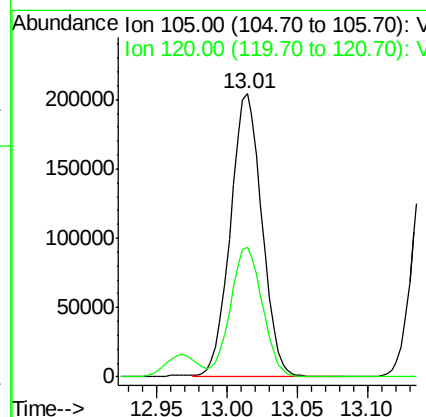
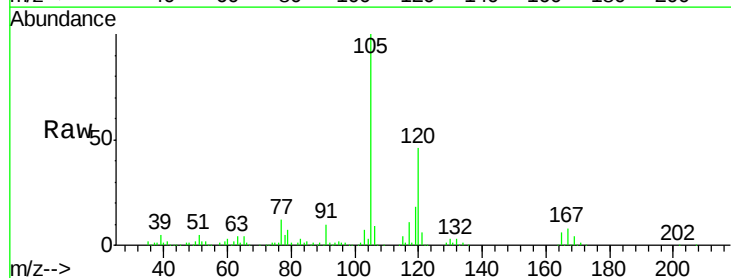
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.515 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	318028		
120	46.6		23.2	69.5





#85

sec-Butylbenzene

Concen: 19.398 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

ClientSampleID :

VN0602MBSD01

Tot Ion:105 Resp: 344634

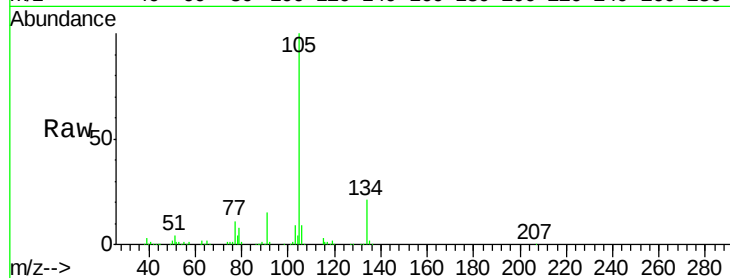
Ion Ratio Lower Upper

105 100

134 20.5 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

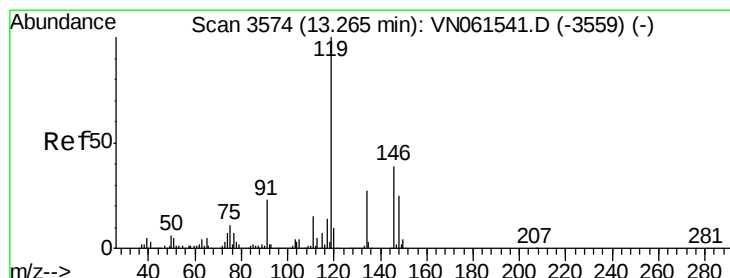
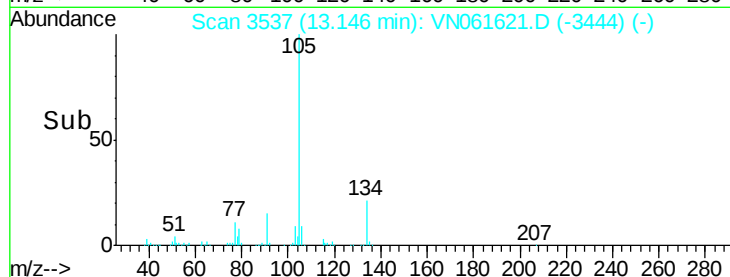
100000

50000

0

13.05 13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.620 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

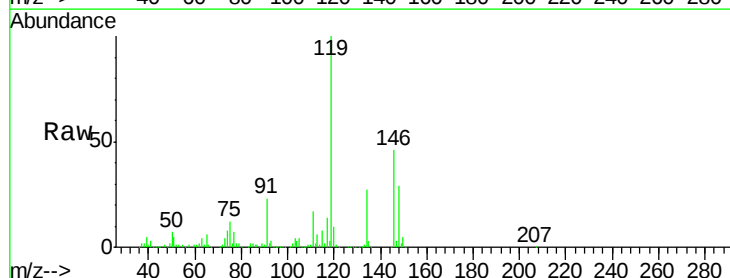
Tgt Ion:119 Resp: 321011

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.8 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

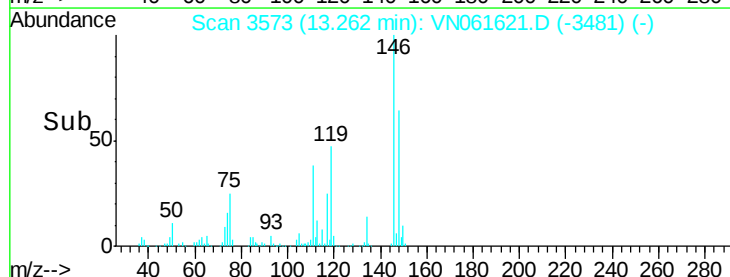
100000

50000

0

13.20 13.30

Time-->





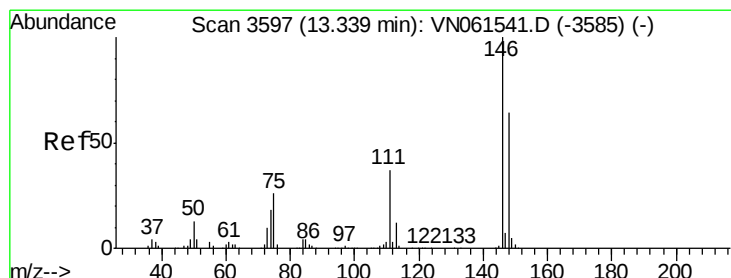
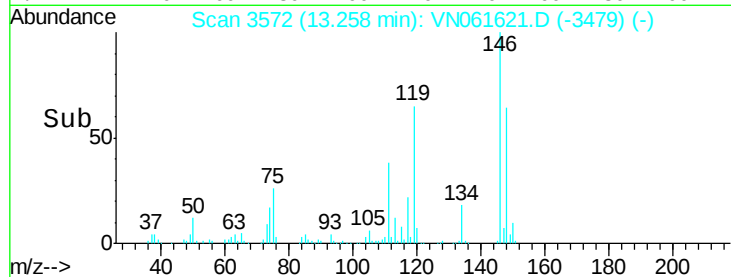
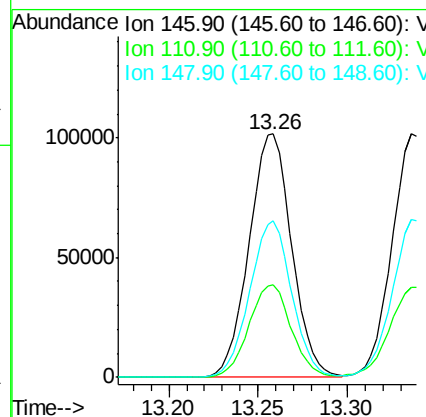
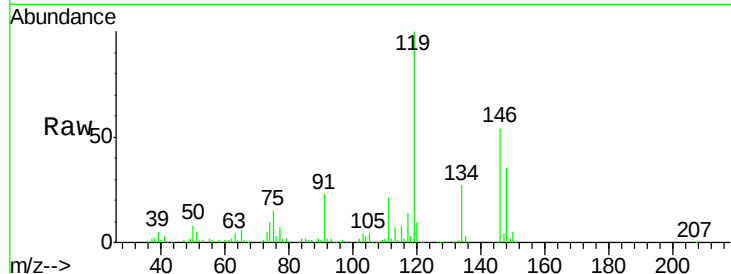
#87
 1,3-Dichlorobenzene
 Concen: 20.104 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	169654		
111	37.9	19.2	57.6	
148	63.3	31.7	95.1	

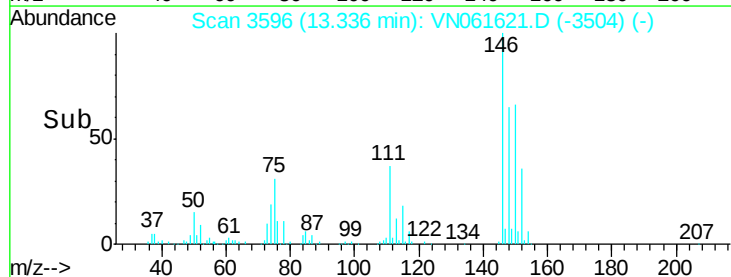
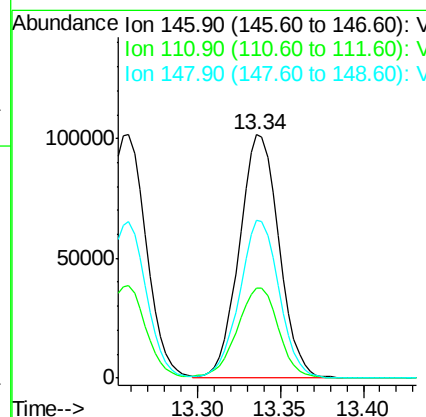
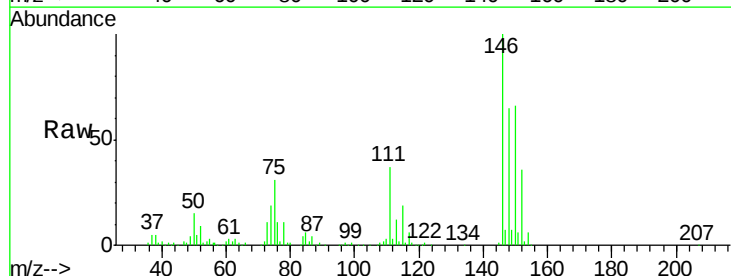
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.546 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	168041		
111	39.0	18.9	56.9	
148	65.6	31.8	95.3	





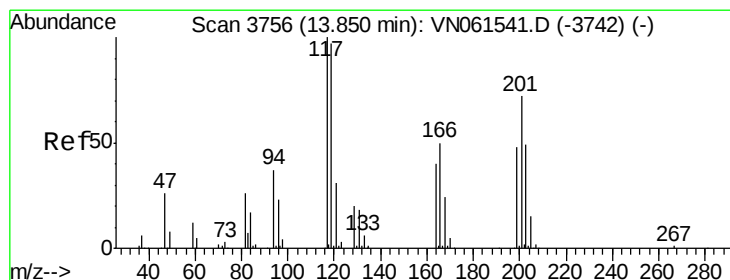
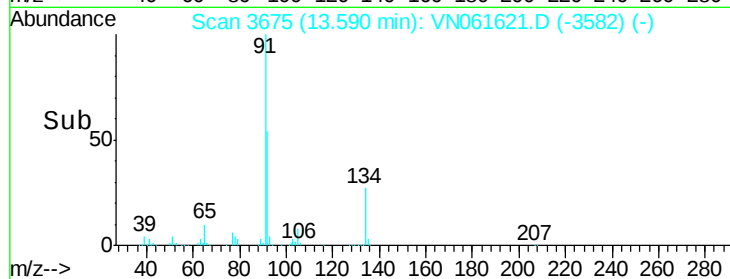
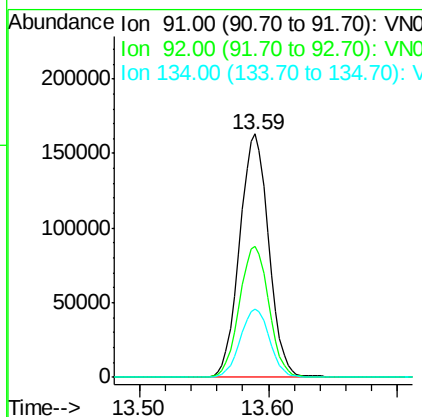
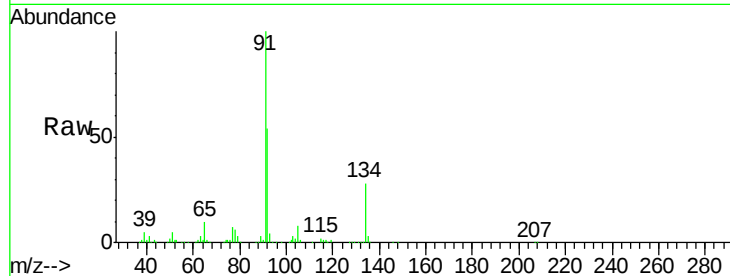
#89
n-Butylbenzene
Concen: 18.720 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.6
134	28.5	14.0	42.0

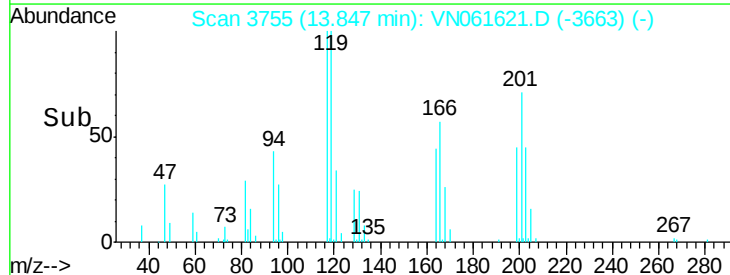
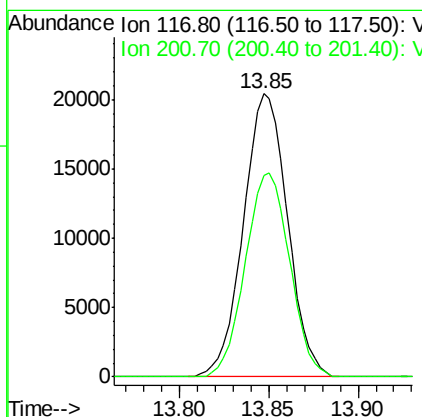
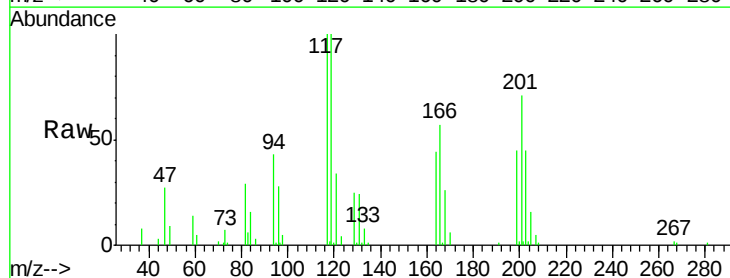
Manual Integrations
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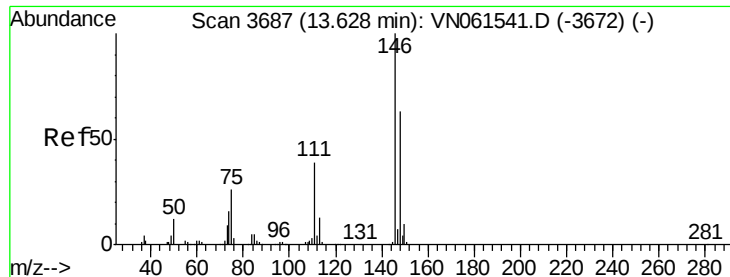
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#90
Hexachloroethane
Concen: 19.477 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061621.D
Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 20.190 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

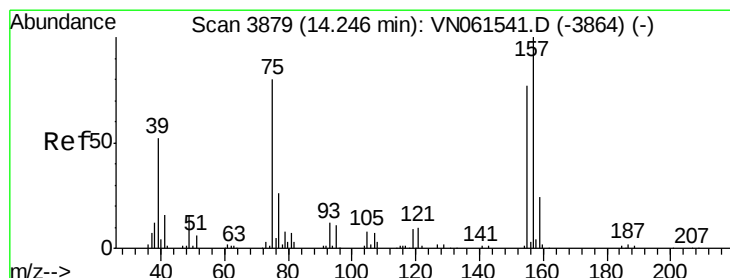
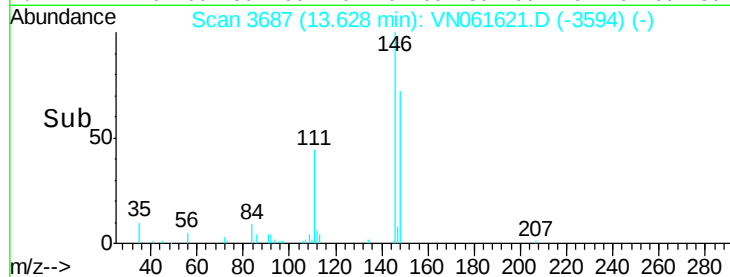
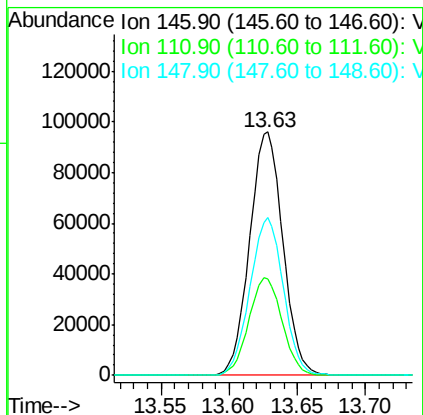
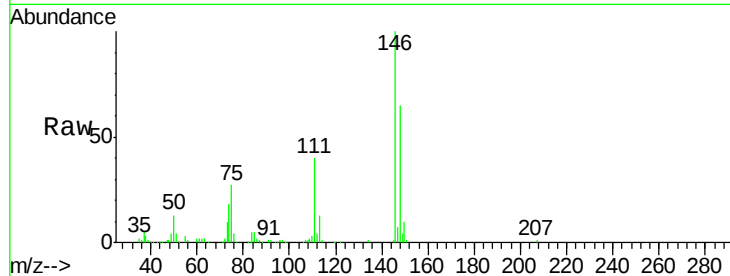
ClientSampleId :

VN0602MBSD01

Tot Ion:	146	Resp:	162828
Ion Ratio		Lower	Upper
146	100		
111	40.2	20.1	60.2
148	65.0	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.688 ug/l

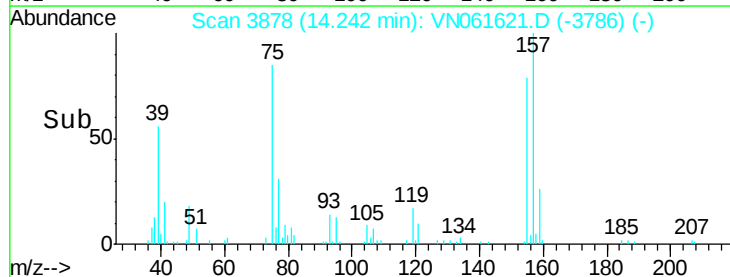
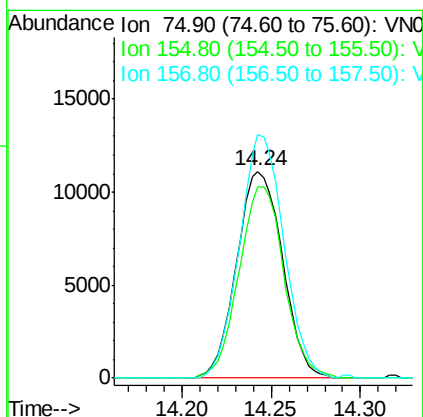
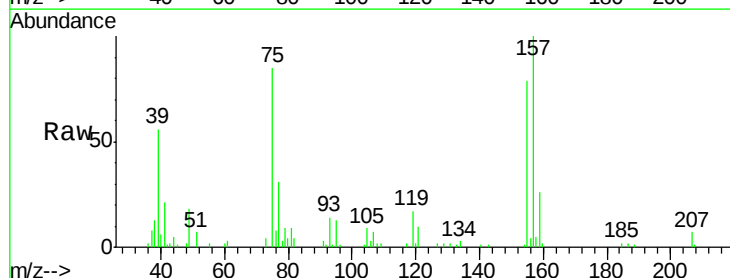
RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	75	Resp:	19940
Ion Ratio		Lower	Upper
75	100		
155	90.9	47.1	141.4
157	114.2	60.3	180.8





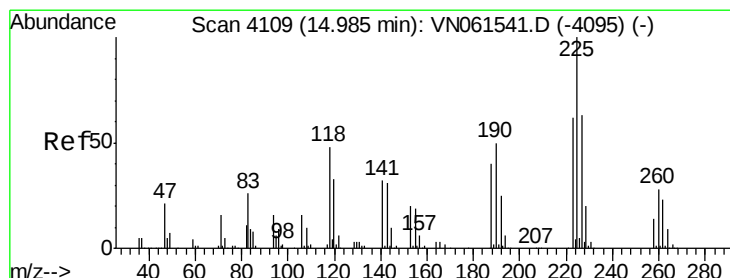
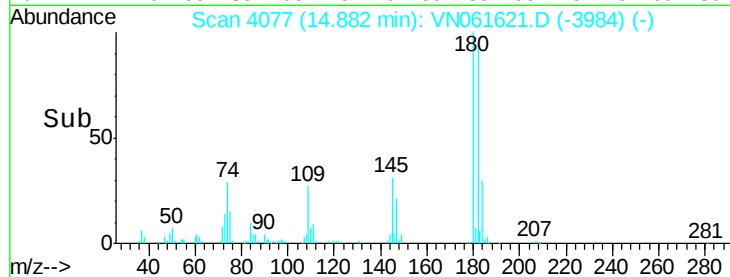
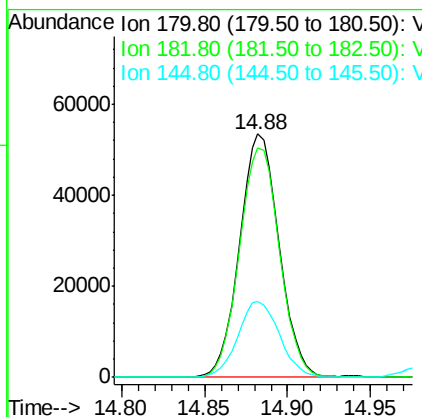
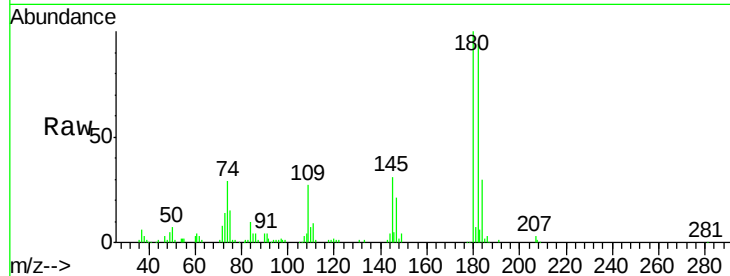
#93
 1,2,4-Trichlorobenzene
 Concen: 18.750 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	88438		
182	96.1	47.8	143.3	
145	32.9	15.5	46.5	

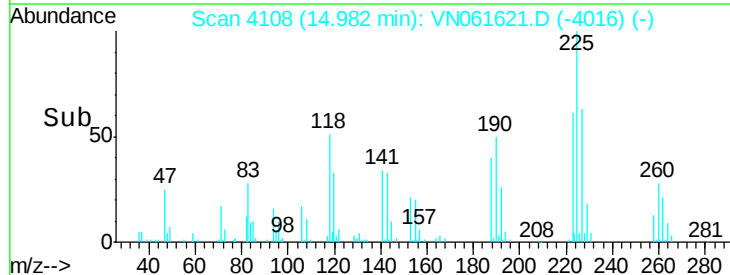
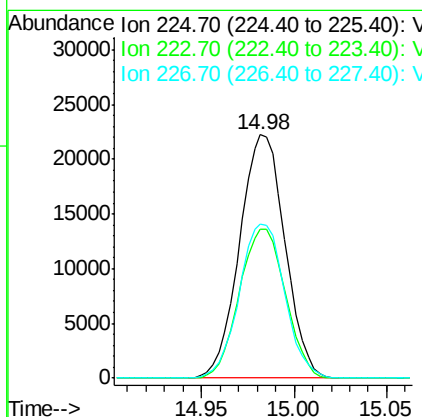
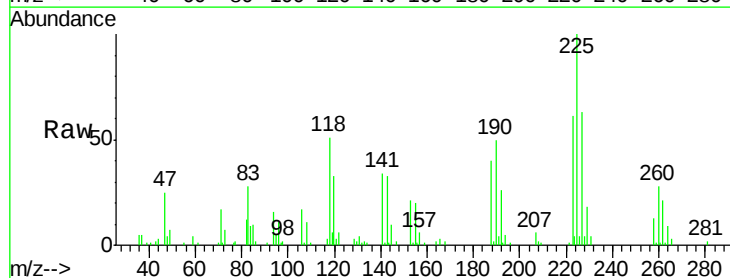
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 18.743 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061621.D
 Acq: 2 Jun 2020 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37703		
223	62.0	31.9	95.5	
227	63.3	31.9	95.9	





#95

Naphthalene

Concen: 19.650 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Instrument :

MSVOA_N

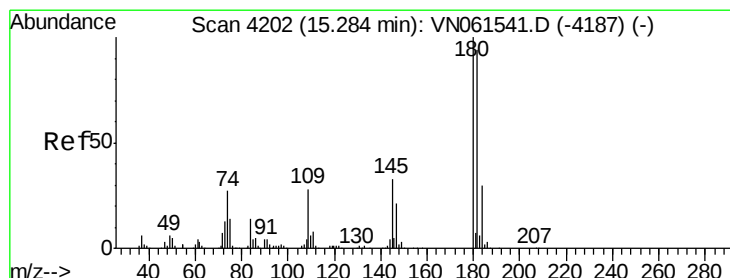
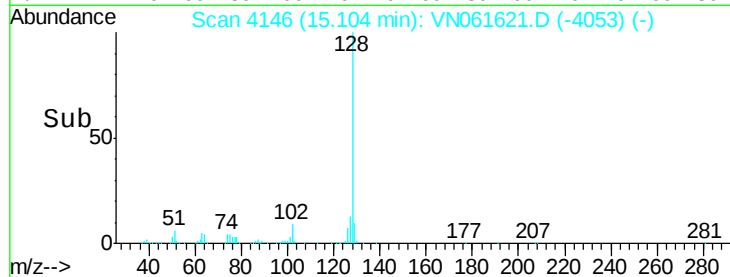
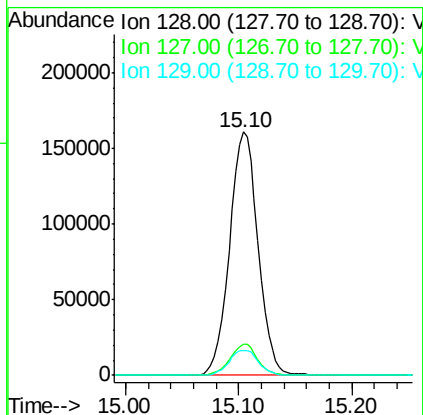
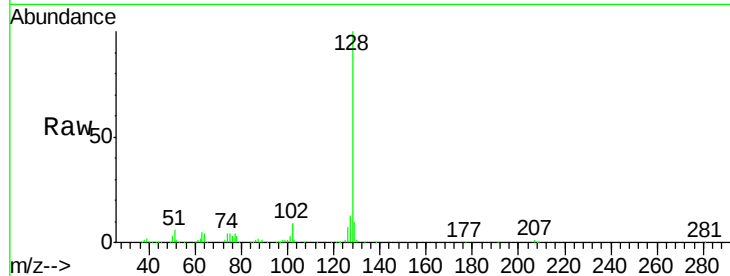
ClientSampleId :

VN0602MBSD01

Tot Ion:	128	Resp:	282096
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.0	15.0
129	10.7	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.082 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061621.D

Acq: 2 Jun 2020 16:02

Tgt Ion:	180	Resp:	88489
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.1	141.3
145	33.7	16.3	48.9

