

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061444.D
 Acq On : 18 May 2020 19:00
 Operator : JC/MD
 Sample : VN0518WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:56 PM

Quant Time: May 19 04:31:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	285908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	530906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	491754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225840	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	199127	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.55	113	141405	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.06	98	589700	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	12.37	95	219101	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	47294	19.894	ug/l	100
3) Chloromethane	2.03	50	68421	17.646	ug/l	99
4) Vinyl Chloride	2.16	62	99798	17.984	ug/l	100
5) Bromomethane	2.54	94	54340	16.707	ug/l	95
6) Chloroethane	2.67	64	65013	17.406	ug/l	99
7) Trichlorofluoromethane	2.98	101	111976	16.620	ug/l	98
8) Diethyl Ether	3.37	74	34491	17.576	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49423	17.641	ug/l	99
10) Methyl Iodide	3.91	142	61947	18.204	ug/l	99
11) Tert butyl alcohol	4.73	59	44555	90.621	ug/l	99
12) 1,1-Dichloroethene	3.70	96	51002	17.403	ug/l	95
13) Acrolein	3.57	56	29096	68.991	ug/l	97
14) Allyl chloride	4.28	41	85338	17.893	ug/l	95
15) Acrylonitrile	4.93	53	132043	90.650	ug/l	99
16) Acetone	3.77	43	97658	81.760	ug/l	99
17) Carbon Disulfide	4.01	76	136609	19.792	ug/l	98
18) Methyl Acetate	4.28	43	52936	17.392	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	199532	17.941	ug/l	99
20) Methylene Chloride	4.50	84	59632	17.004	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	58962	17.448	ug/l	96
22) Diisopropyl ether	5.90	45	190878	17.810	ug/l	94
23) Vinyl Acetate	5.84	43	773283	90.733	ug/l	99
24) 1,1-Dichloroethane	5.80	63	113545	18.164	ug/l	98
25) 2-Butanone	6.79	43	171414	88.229	ug/l	99
26) 2,2-Dichloropropane	6.78	77	101702	17.066	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	72499	18.162	ug/l	98
28) Bromochloromethane	7.15	49	51837	19.536	ug/l	98
29) Tetrahydrofuran	7.17	42	113291	88.049	ug/l	99
30) Chloroform	7.33	83	119168	18.252	ug/l	97
31) Cyclohexane	7.62	56	96357	15.456	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	105937	17.756	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84723	17.067	ug/l	99
37) Ethyl Acetate	6.88	43	76074	16.898	ug/l	98
38) Carbon Tetrachloride	7.73	117	77142	16.876	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	90384	14.907	ug/l	98
40) Benzene	8.00	78	262988	17.579	ug/l	100
41) Methacrylonitrile	7.12	41	36634	19.266	ug/l #	91
42) 1,2-Dichloroethane	8.09	62	95765	17.768	ug/l	100
43) Isopropyl Acetate	8.13	43	137030	17.452	ug/l	100
44) Trichloroethene	8.80	130	70891	18.085	ug/l	95
45) 1,2-Dichloropropane	9.09	63	67101	17.920	ug/l	99
46) Dibromomethane	9.18	93	46570	17.741	ug/l	99
47) Bromodichloromethane	9.37	83	96306	17.413	ug/l	100
48) Methyl methacrylate	9.17	41	61580	16.977	ug/l	98
49) 1,4-Dioxane	9.17	88	14523	356.394	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	386695	90.404	ug/l	99
52) Toluene	10.12	92	169271	17.624	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	106950	17.643	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	113964	17.685	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	65823	18.127	ug/l	99
56) Ethyl methacrylate	10.40	69	103531	18.237	ug/l	99
57) 1,3-Dichloropropane	10.68	76	113879	18.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	236273	94.820	ug/l	99
59) 2-Hexanone	10.72	43	269963	87.235	ug/l	100
60) Dibromochloromethane	10.87	129	69298	17.253	ug/l	98
61) 1,2-Dibromoethane	10.98	107	69435	18.187	ug/l	100
64) Tetrachloroethene	10.60	164	64587	16.977	ug/l	99
65) Chlorobenzene	11.41	112	175425	17.494	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	61157	17.011	ug/l	98
67) Ethyl Benzene	11.48	91	324896	17.749	ug/l	99
68) m/p-Xylenes	11.59	106	243507	35.047	ug/l	99
69) o-Xylene	11.92	106	119411	17.760	ug/l	98
70) Styrene	11.94	104	202695	18.205	ug/l	99
71) Bromoform	12.10	173	43869	17.078	ug/l #	98
73) Isopropylbenzene	12.22	105	303680	16.750	ug/l	100
74) N-amyl acetate	12.05	43	119145	17.954	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	90719	18.187	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	79388m	16.382	ug/l	
77) Bromobenzene	12.50	156	74130	18.840	ug/l	93
78) n-propylbenzene	12.57	91	351552	17.018	ug/l	99
79) 2-Chlorotoluene	12.65	91	210847	17.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	255726	17.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30181	16.522	ug/l	96
82) 4-Chlorotoluene	12.75	91	222321	17.584	ug/l	99
83) tert-Butylbenzene	12.97	119	207169	16.292	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	258531	17.402	ug/l	99
85) sec-Butylbenzene	13.15	105	273676	15.916	ug/l	99
86) p-Isopropyltoluene	13.27	119	242107	15.857	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	127682	17.731	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	126736	17.574	ug/l	96
89) n-Butylbenzene	13.59	91	208891	15.059	ug/l	99
90) Hexachloroethane	13.85	117	31182	15.069	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	124399	18.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18921	18.778	ug/l	98

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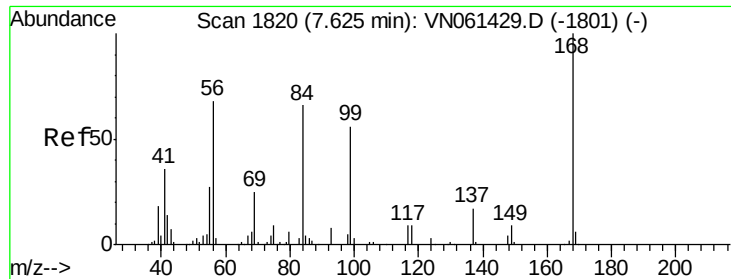
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	64740	17.285	ug/l	97
94) Hexachlorobutadiene	14.98	225	21597	12.978	ug/l	99
95) Naphthalene	15.10	128	233817	19.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	63146	16.936	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD01

Tot Ion:168 Resp: 285908

Ion Ratio Lower Upper

168 100

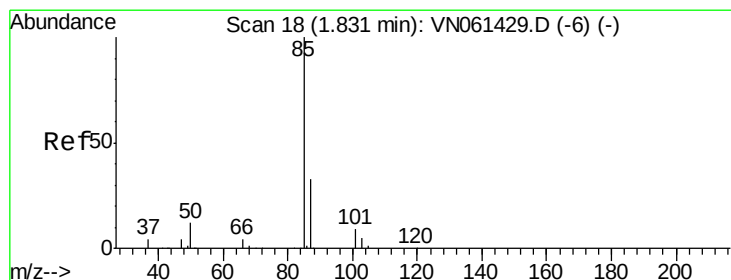
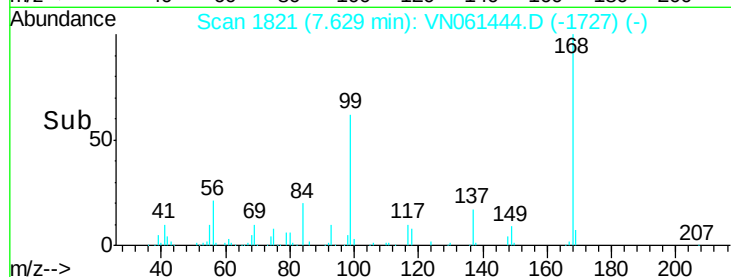
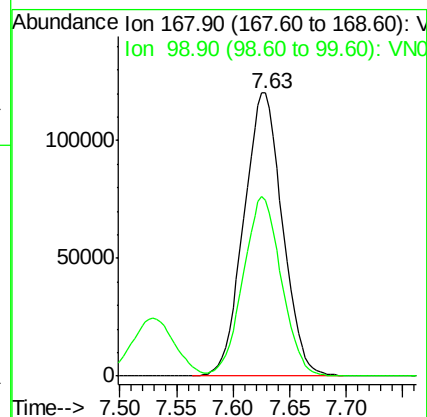
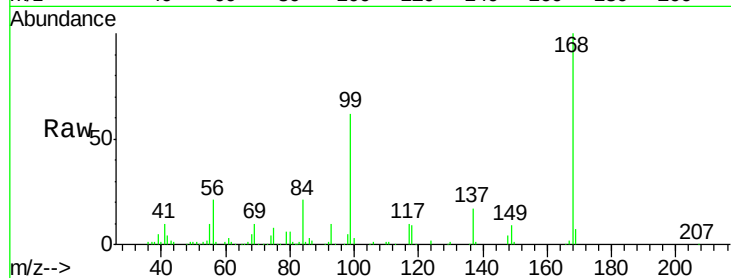
99 61.7 51.1 76.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.894 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061444.D

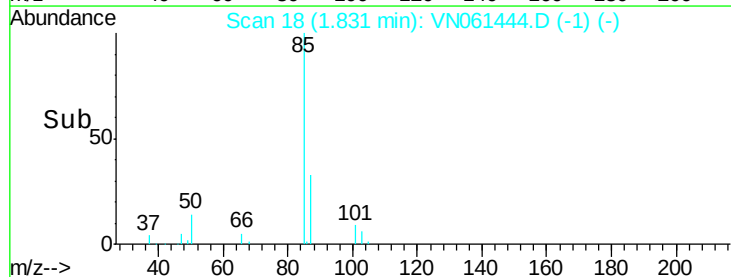
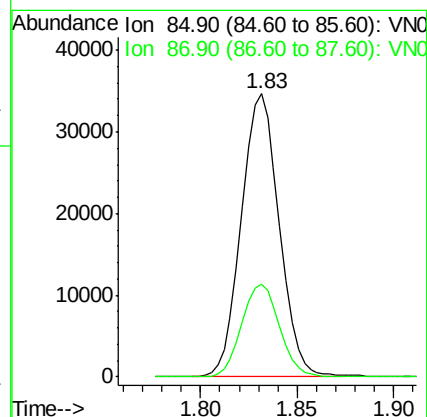
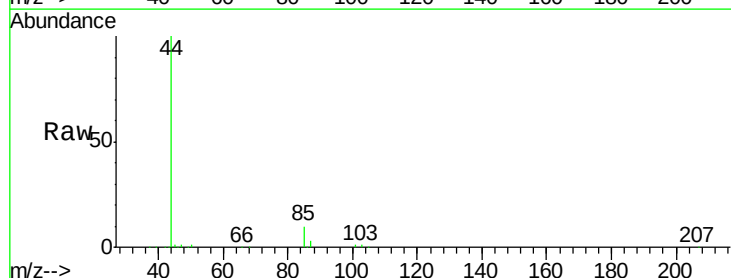
Acq: 18 May 2020 19:00

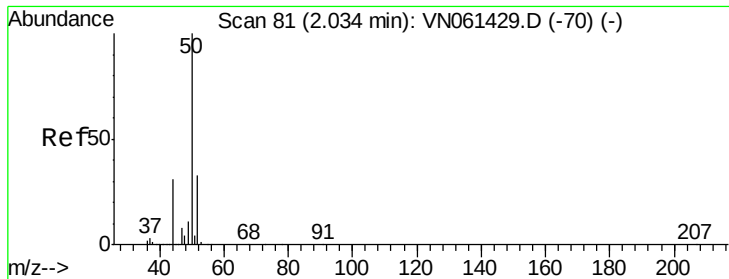
Tgt Ion: 85 Resp: 47294

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8





#3

Chloromethane

Concen: 17.646 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD01

Tot Ion: 50 Resp: 68421

Ion Ratio Lower Upper

50 100

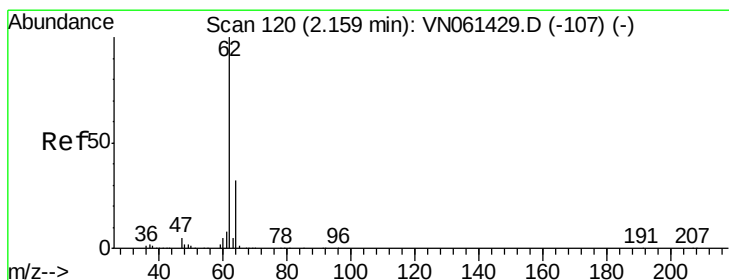
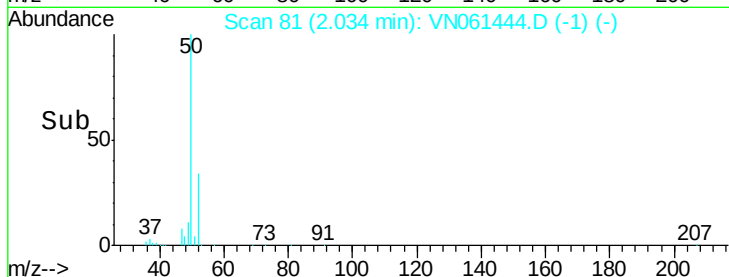
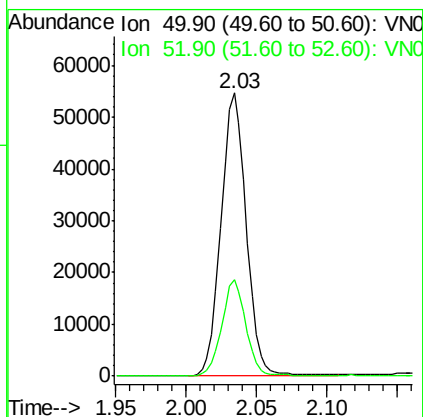
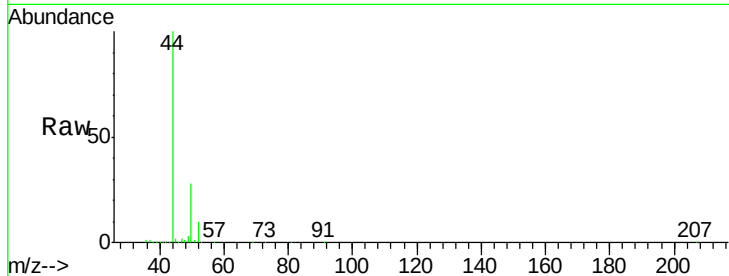
52 34.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.984 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061444.D

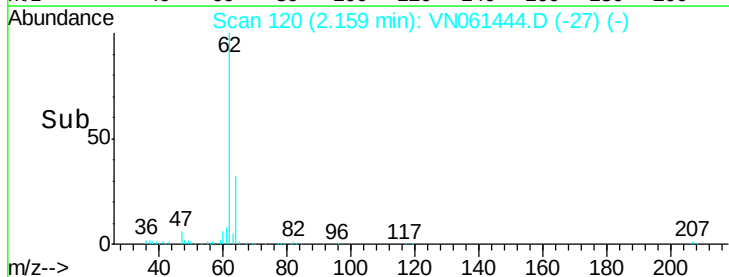
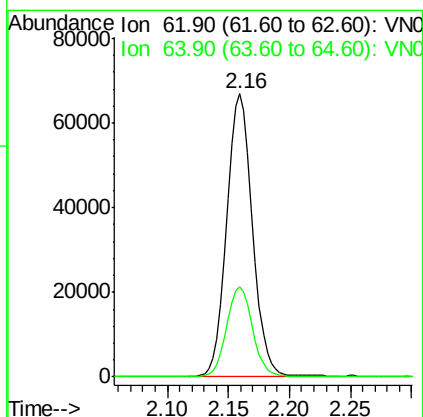
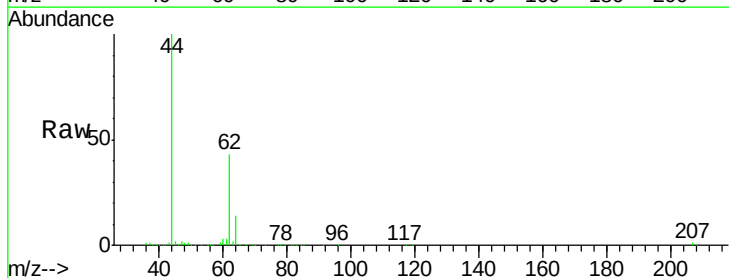
Acq: 18 May 2020 19:00

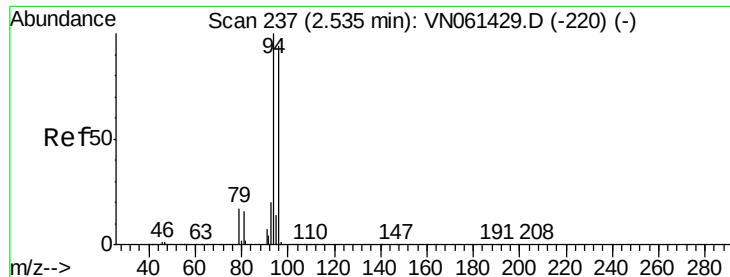
Tgt Ion: 62 Resp: 99798

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 16.707 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

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VN0518WBSD01

Tot Ion: 94 Resp: 54340

Ion Ratio Lower Upper

94 100

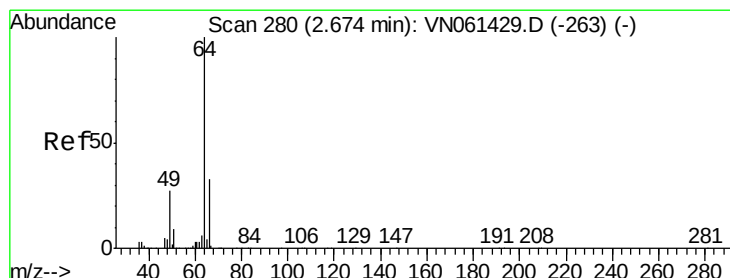
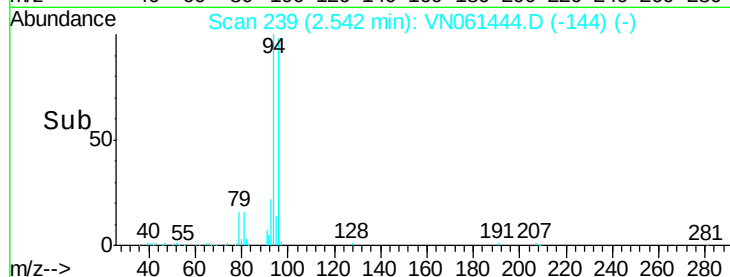
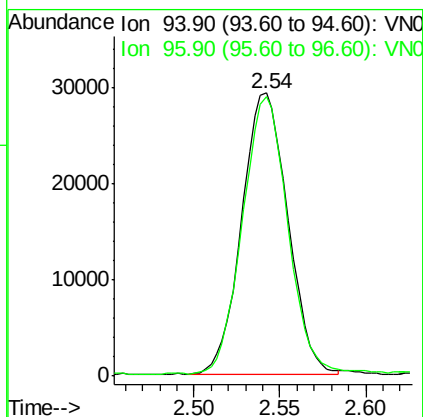
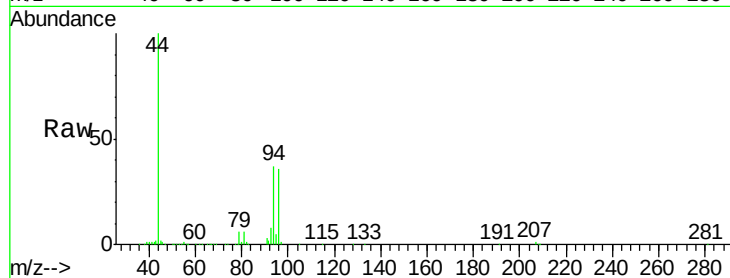
96 98.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 17.406 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061444.D

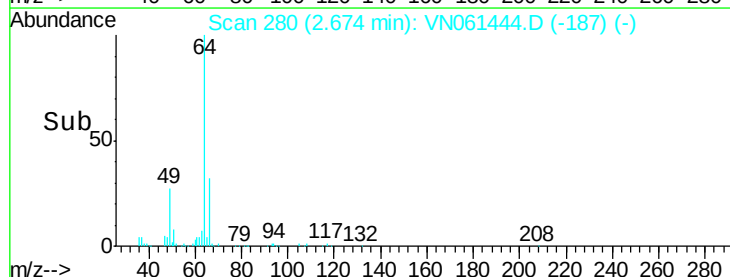
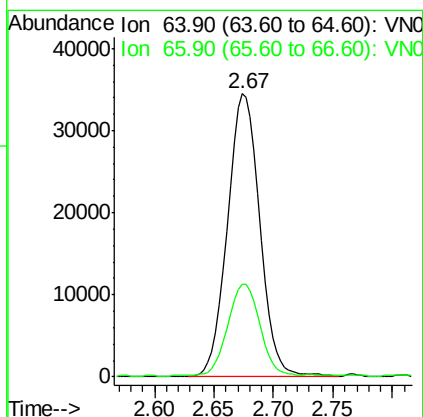
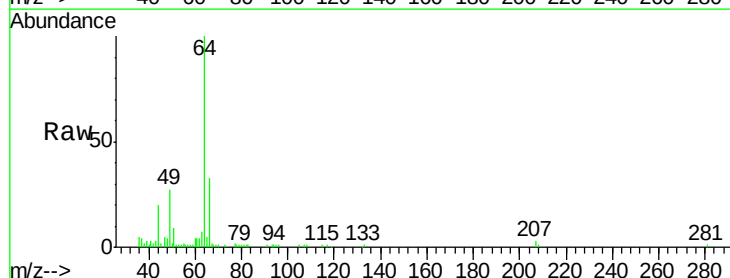
Acq: 18 May 2020 19:00

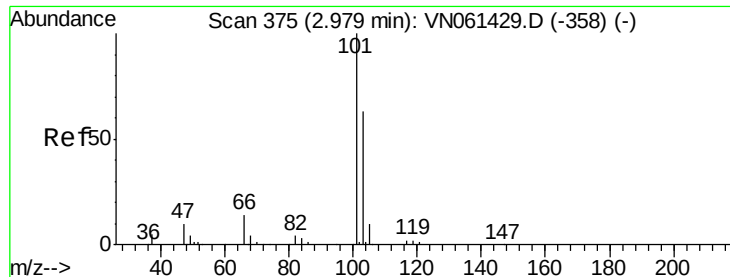
Tgt Ion: 64 Resp: 65013

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5





#7

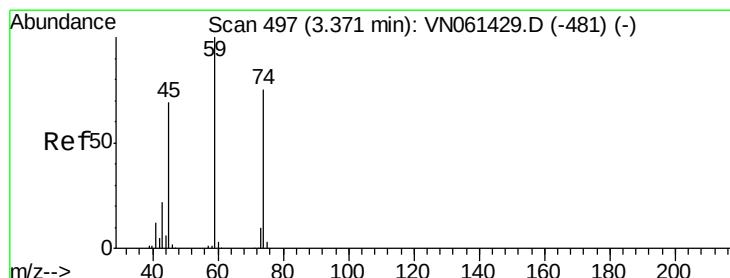
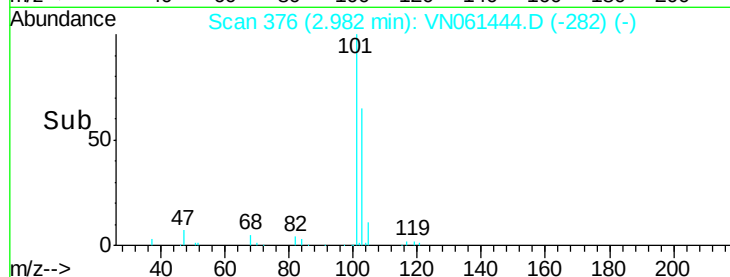
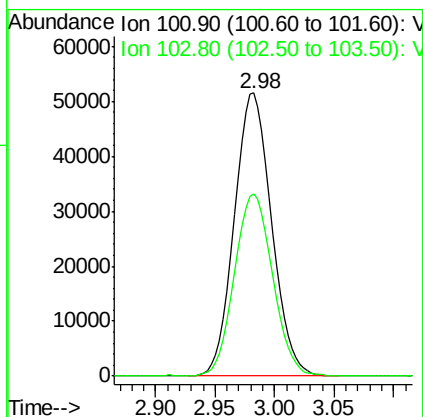
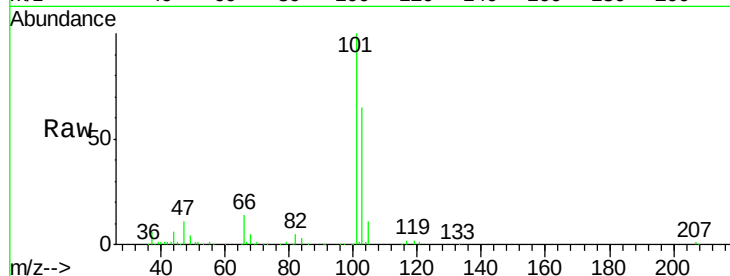
Trichlorofluoromethane
 Concen: 16.620 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
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 VN0518WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		111976		
103	64.5	50.2	75.4		

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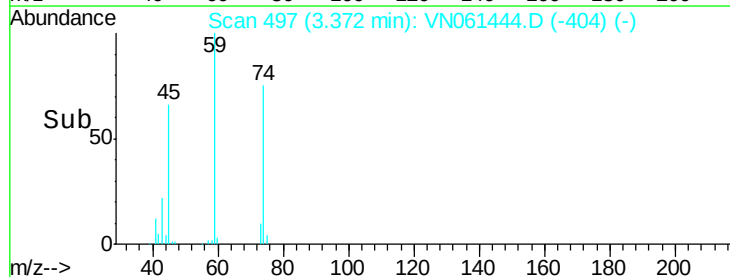
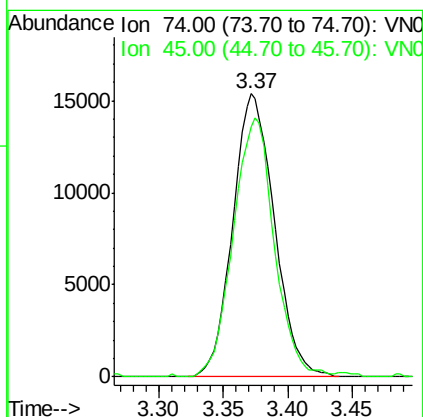
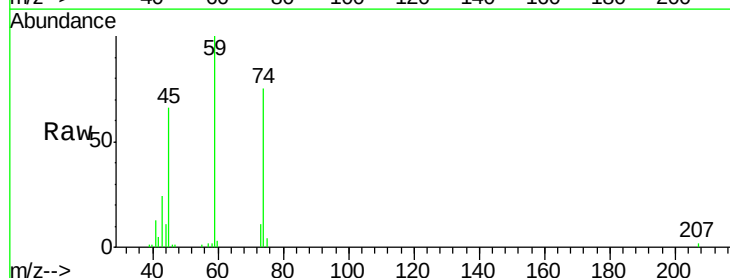
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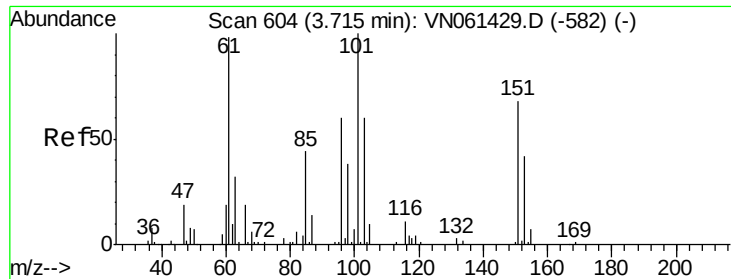


#8

Diethyl Ether
 Concen: 17.576 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34491		
45	90.3	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.641 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

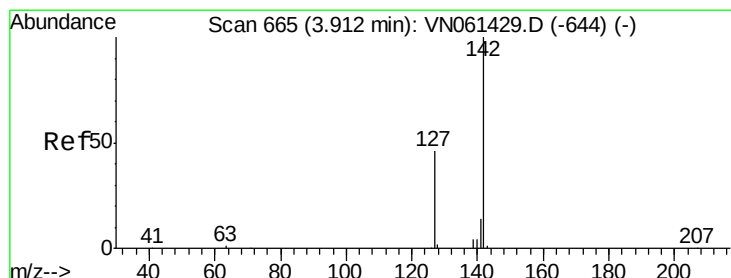
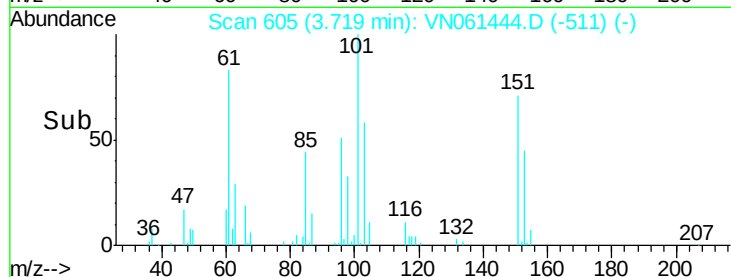
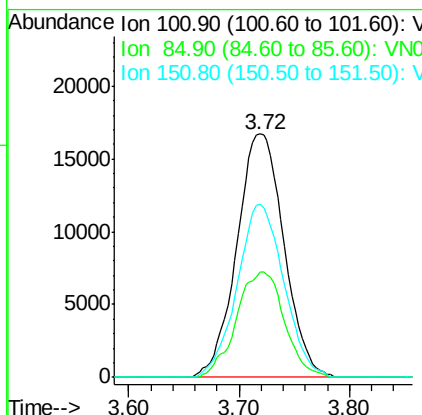
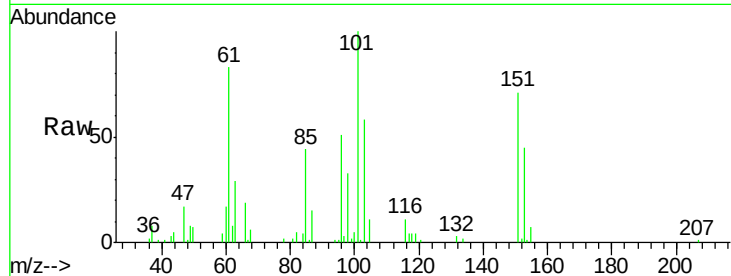
ClientSampleId :

VN0518WBSD01

Tot Ion:	101	Resp:	49423
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.6	55.0
151	70.5	56.3	84.5

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#10

Methyl Iodide

Concen: 18.204 ug/l

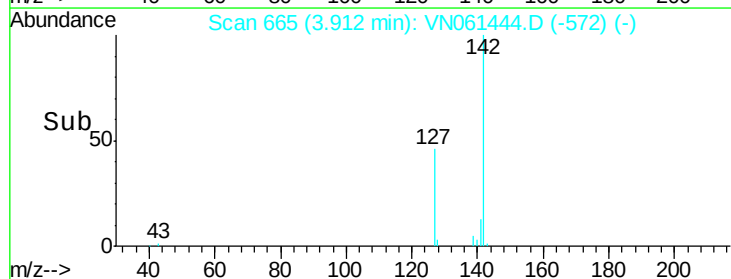
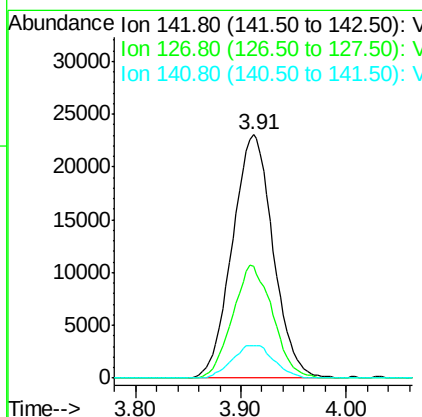
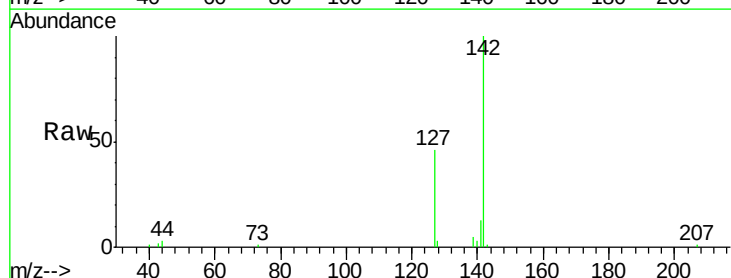
RT: 3.91 min Scan# 665

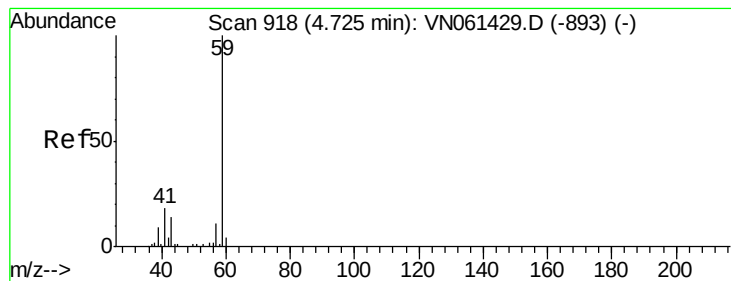
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	142	Resp:	61947
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.7	55.1
141	13.8	11.5	17.3





#11

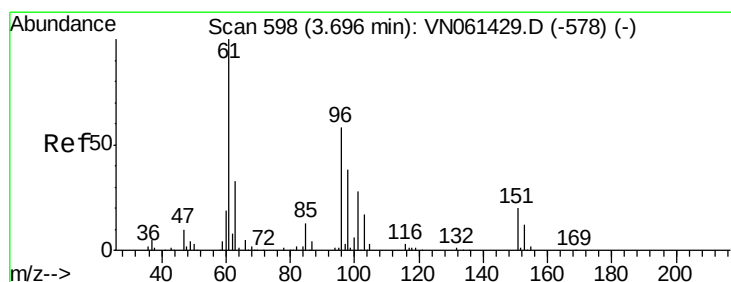
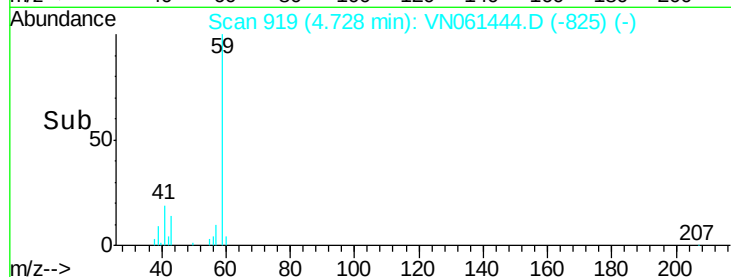
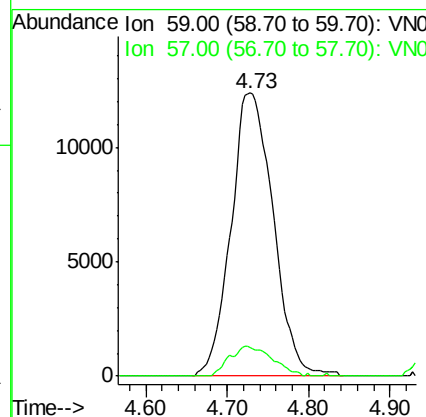
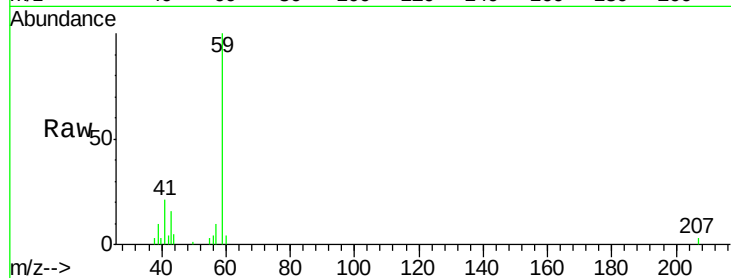
Tert butyl alcohol
Concen: 90.621 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

Manual Integrations
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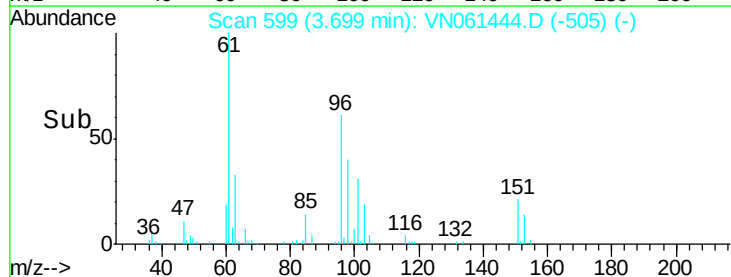
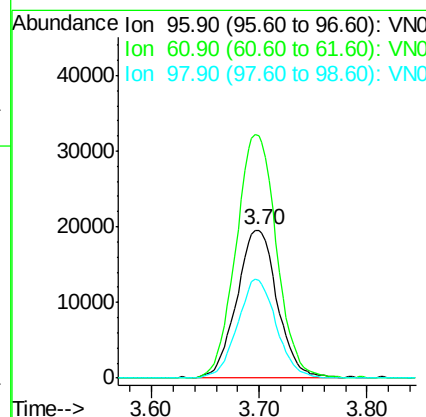
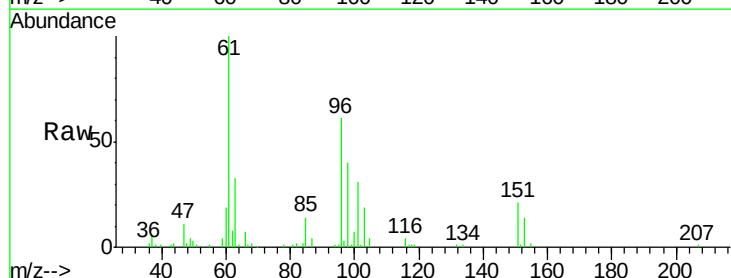
MMDadoda
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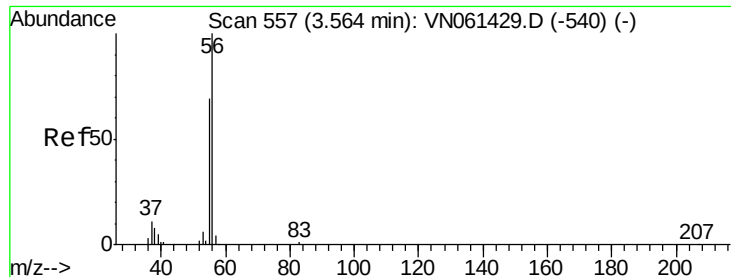


#12

1,1-Dichloroethene
Concen: 17.403 ug/l
RT: 3.70 min Scan# 599
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	138.7	208.1
98	65.9	53.0	79.6





#13

Acrolein

Concen: 68.991 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD01

Tot Ion: 56 Resp: 29096

Ion Ratio Lower Upper

56 100

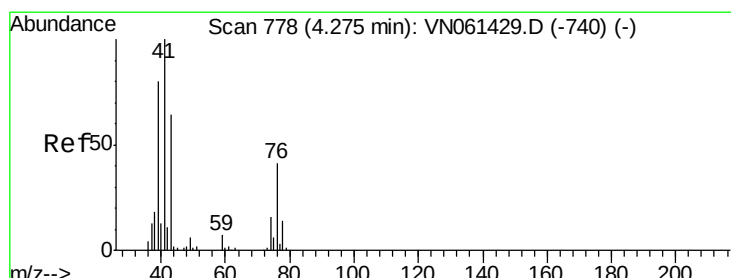
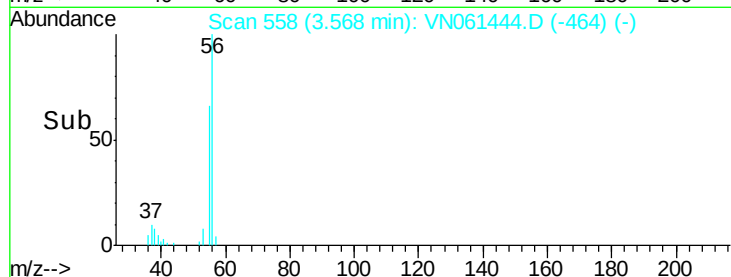
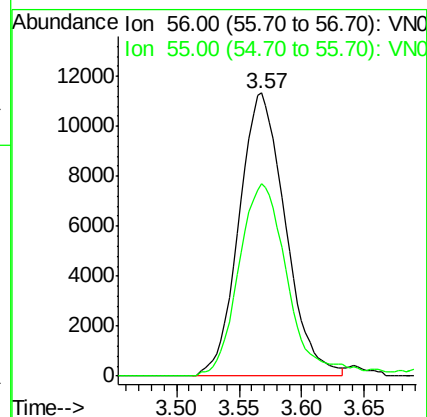
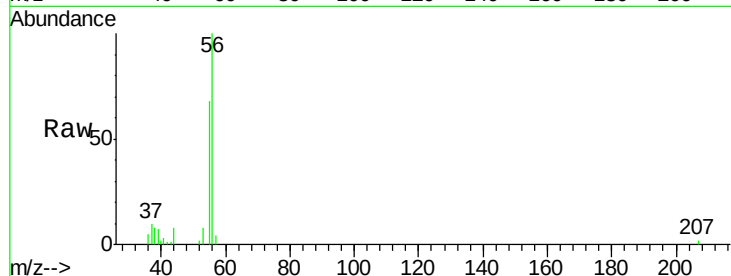
55 71.3 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.893 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

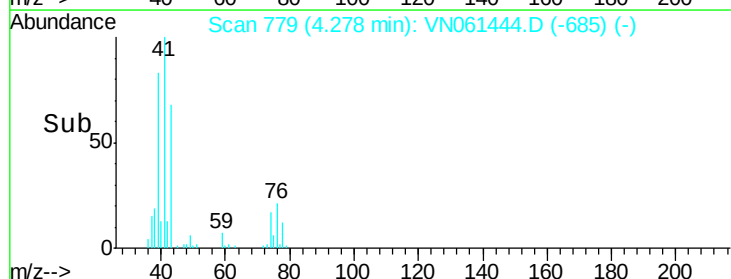
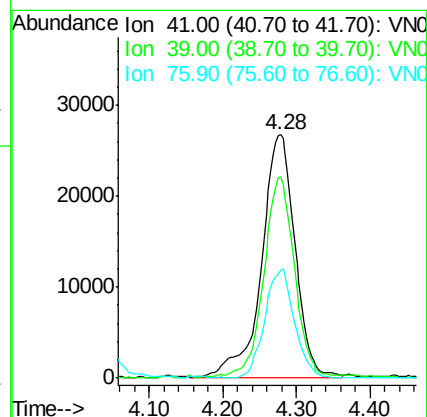
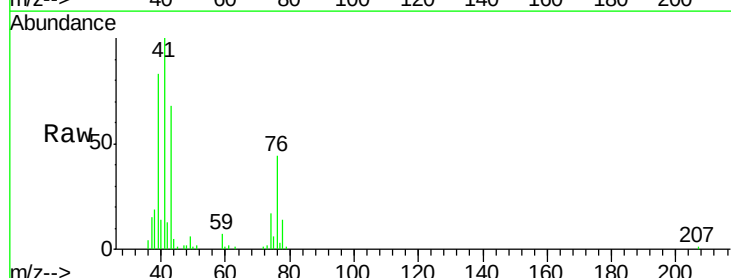
Tgt Ion: 41 Resp: 85338

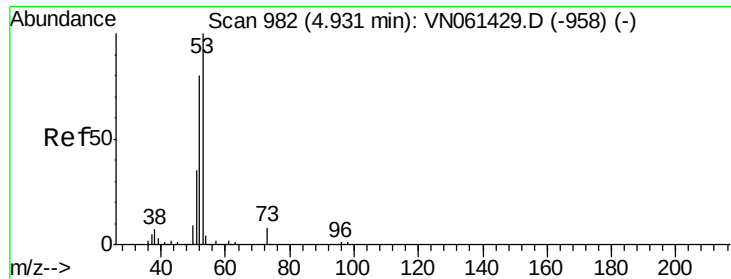
Ion Ratio Lower Upper

41 100

39 72.1 61.2 91.8

76 39.4 29.9 44.9





#15

Acrylonitrile

Concen: 90.650 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

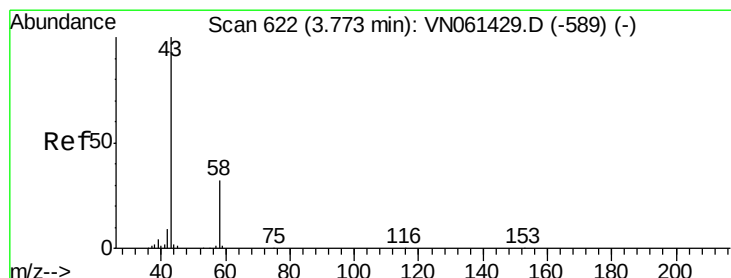
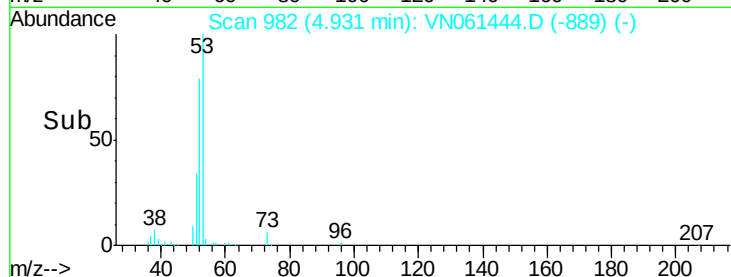
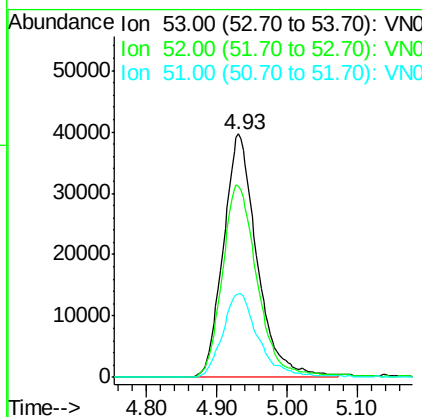
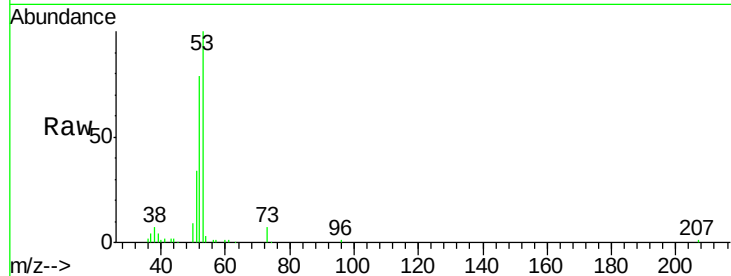
ClientSampleId :

VN0518WBSD01

Tot Ion:	53	Resp:	132043
Ion Ratio		Lower	Upper
53	100		
52	81.8	64.7	97.1
51	36.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 81.760 ug/l

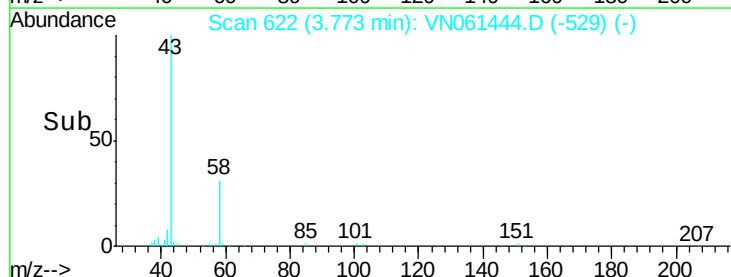
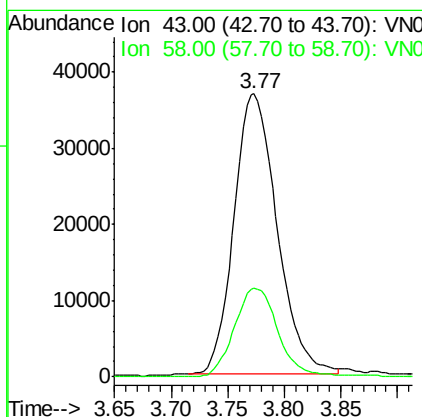
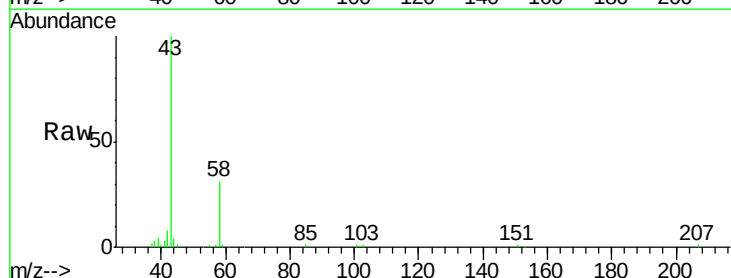
RT: 3.77 min Scan# 622

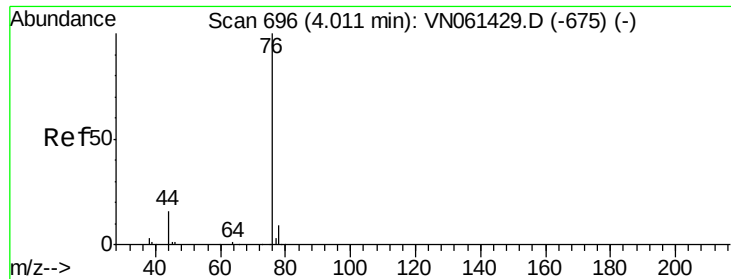
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	43	Resp:	97658
Ion Ratio		Lower	Upper
43	100		
58	31.5	25.6	38.4





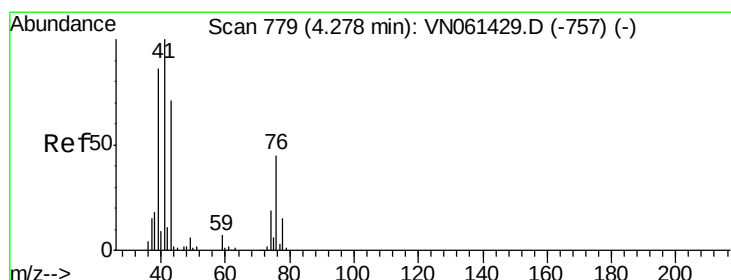
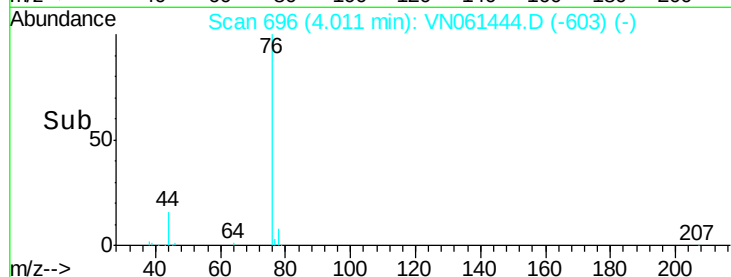
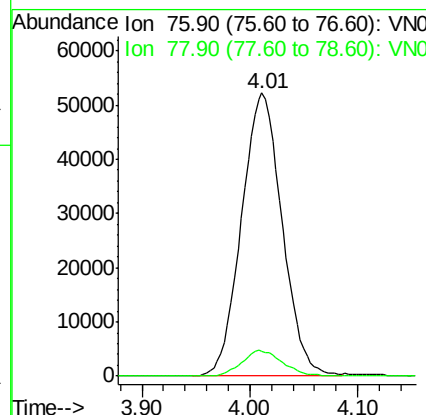
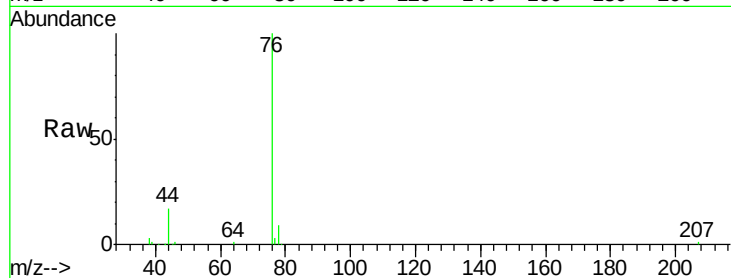
#17
Carbon Disulfide
Concen: 19.792 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion: 76 Resp: 136609
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0

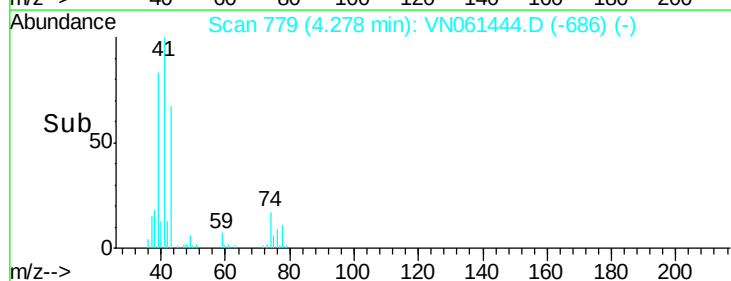
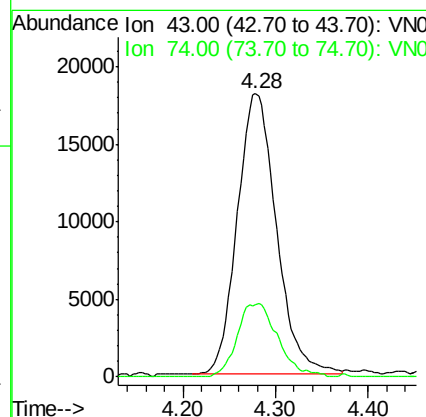
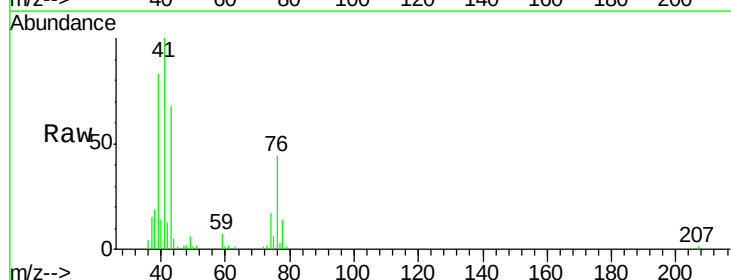
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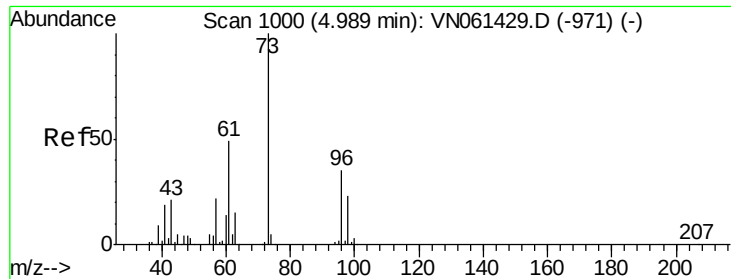
MMDadoda
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#18
Methyl Acetate
Concen: 17.392 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 43 Resp: 52936
Ion Ratio Lower Upper
43 100
74 27.1 20.8 31.2





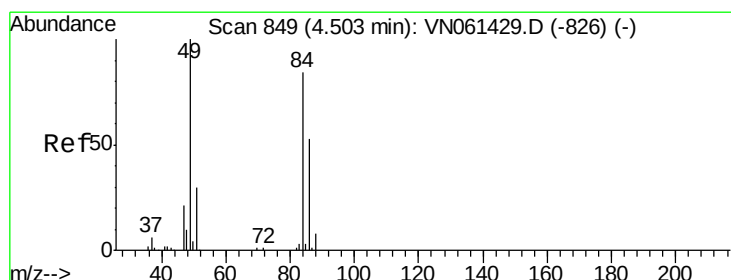
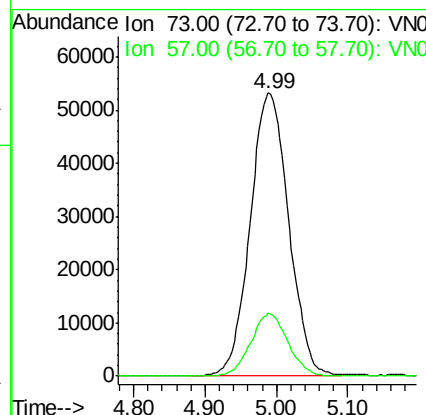
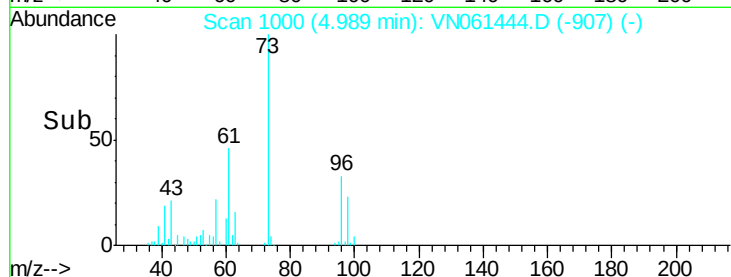
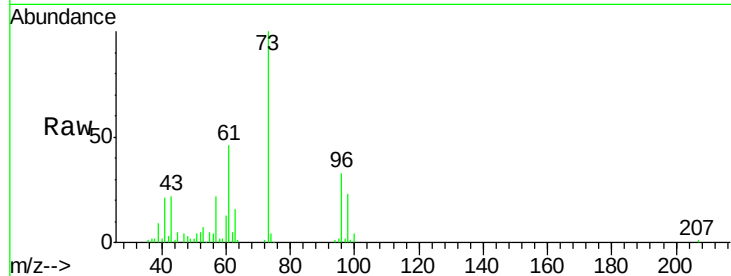
#19
Methvl tert-butvl Ether
Concen: 17.941 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion: 73 Resp: 199532
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.0

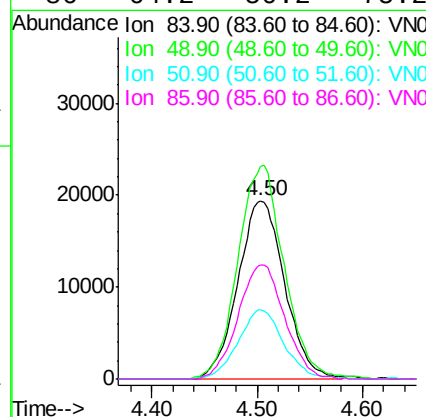
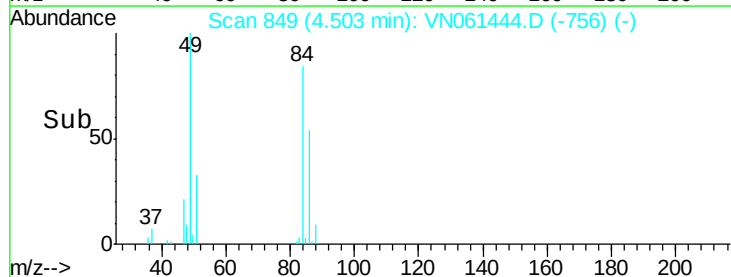
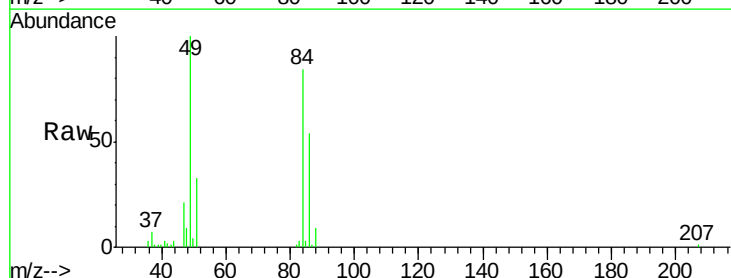
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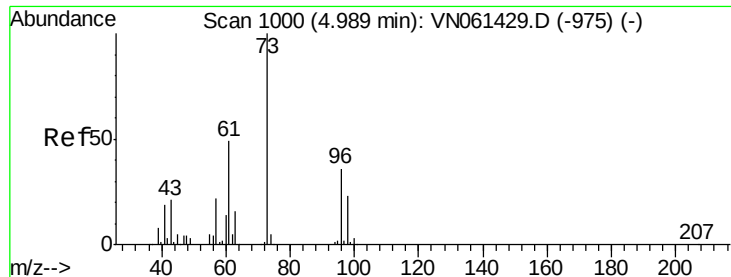
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#20
Methylene Chloride
Concen: 17.004 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 84 Resp: 59632
Ion Ratio Lower Upper
84 100
49 118.3 95.3 142.9
51 39.0 29.0 43.6
86 64.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.448 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

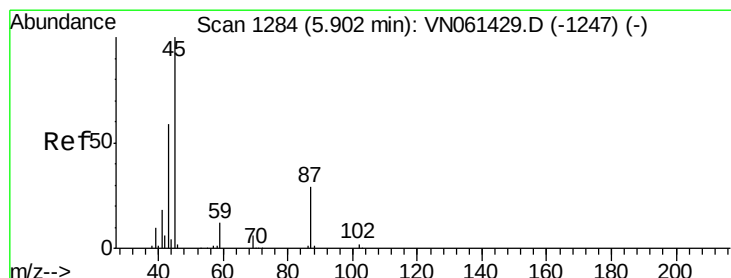
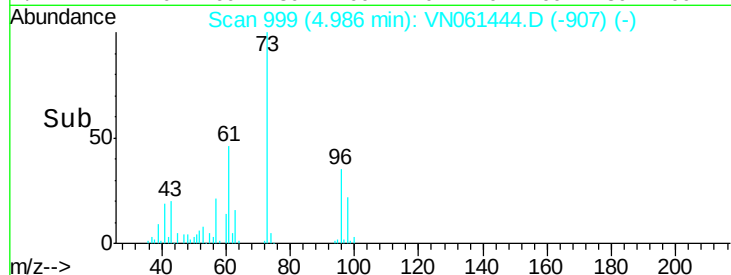
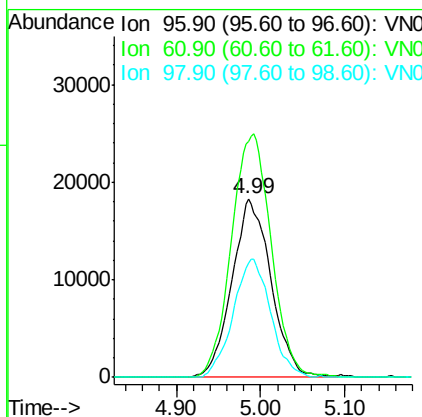
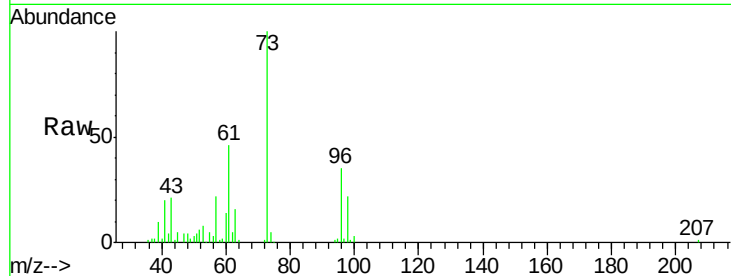
ClientSampleId :

VN0518WBSD01

Tot Ion:	96	Resp:	58962
Ion	Ratio	Lower	Upper
96	100		
61	131.9	109.8	164.6
98	63.6	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.810 ug/l

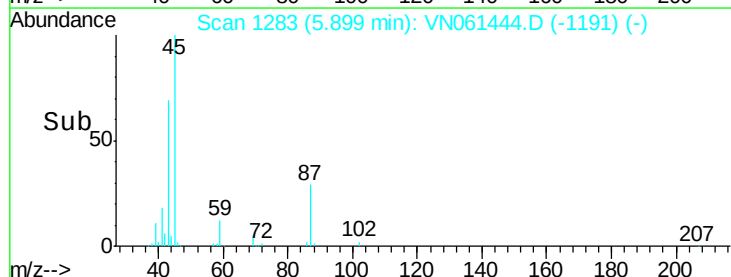
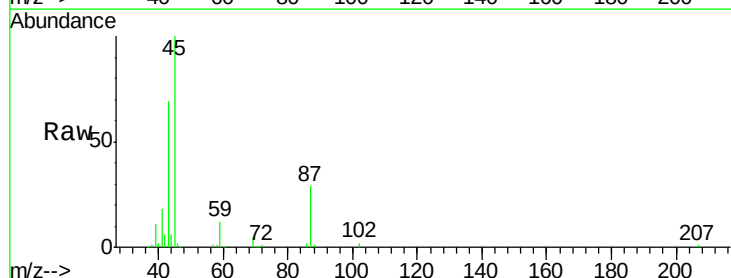
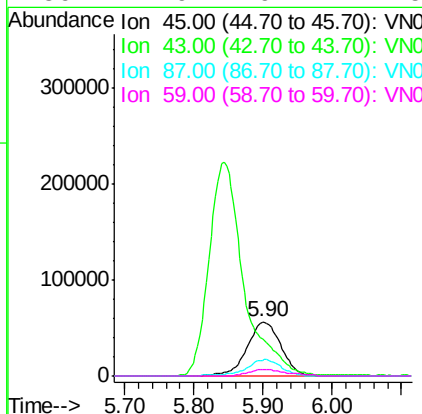
RT: 5.90 min Scan# 1283

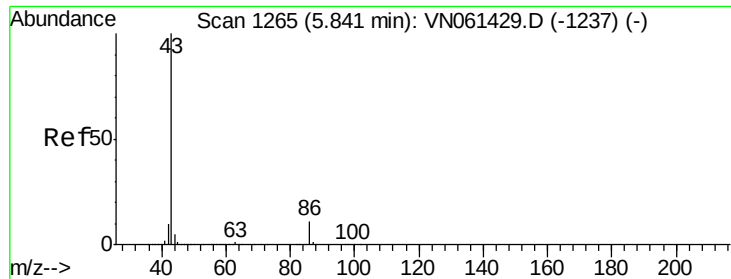
Delta R.T. -0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	45	Resp:	190878
Ion	Ratio	Lower	Upper
45	100		
43	66.3	47.9	71.9
87	29.1	24.0	36.0
59	11.9	9.7	14.5





#23

Vinyl Acetate

Concen: 90.733 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD01

Tot Ion: 43 Resp: 773283

Ion Ratio Lower Upper

43 100

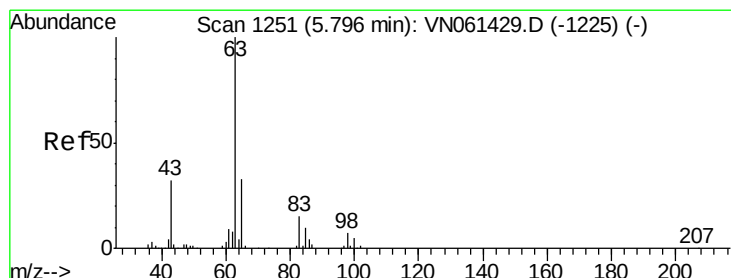
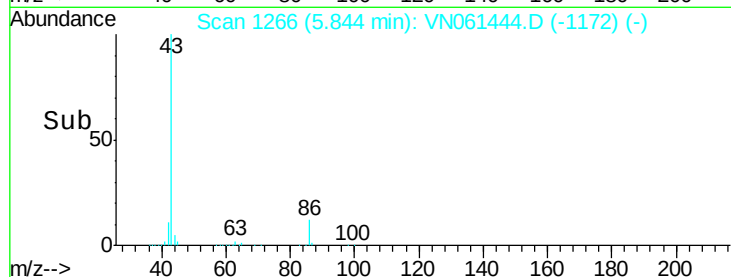
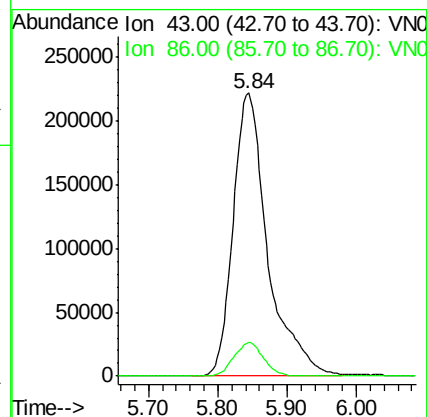
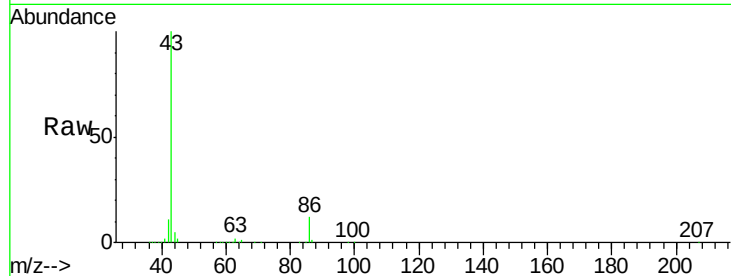
86 12.0 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 18.164 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

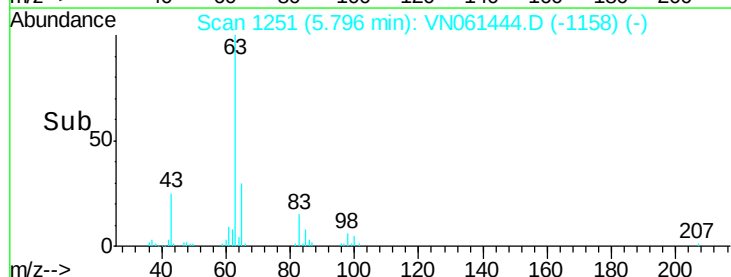
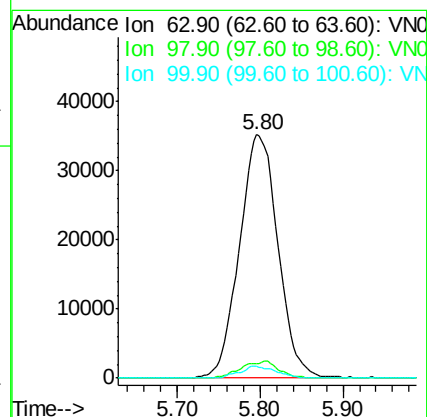
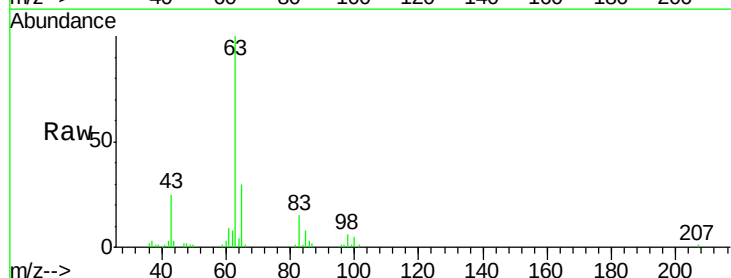
Tgt Ion: 63 Resp: 113545

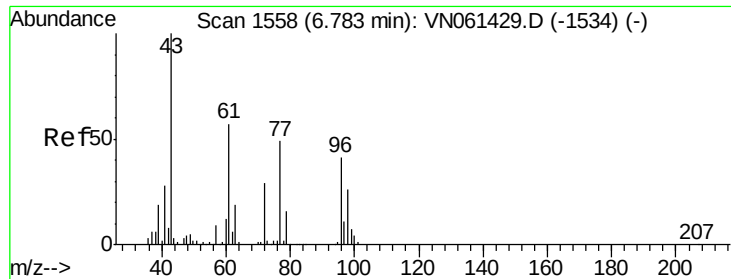
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 4.8 2.3 6.9





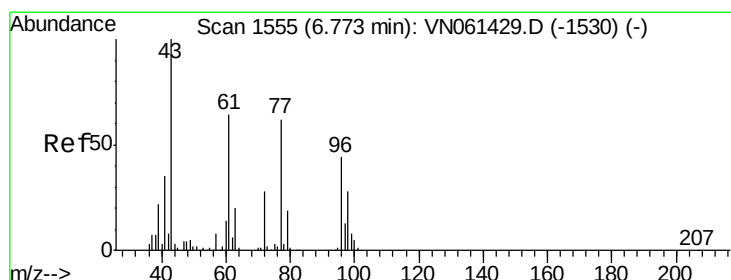
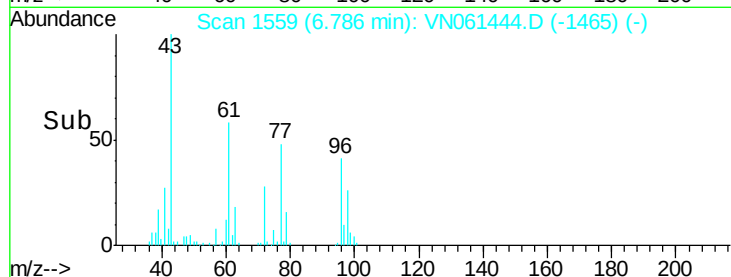
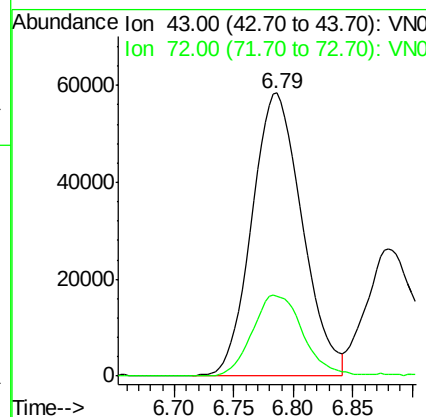
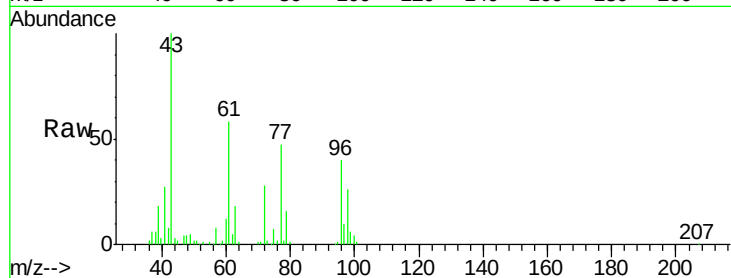
#25
2-Butanone
Concen: 88.229 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion: 43 Resp: 171414
Ion Ratio Lower Upper
43 100
72 28.3 23.0 34.6

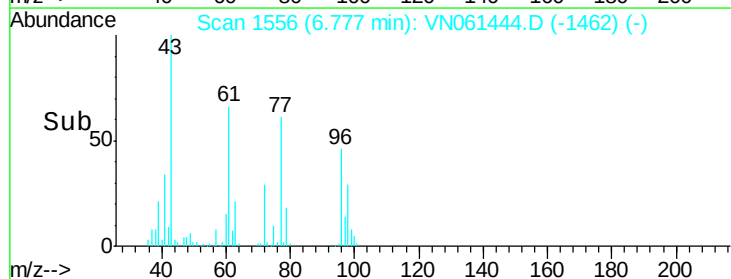
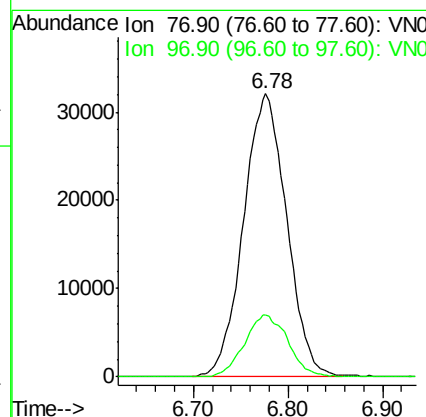
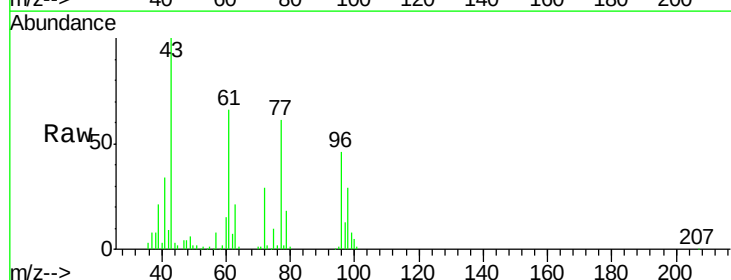
Manual Integrations
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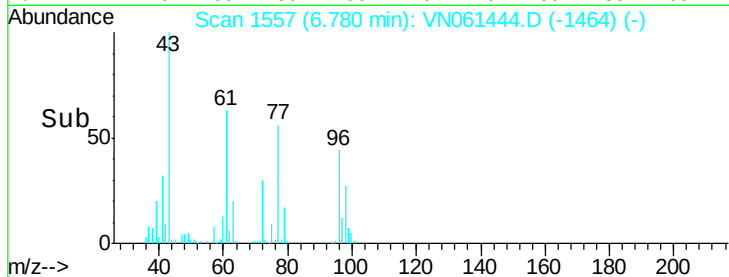
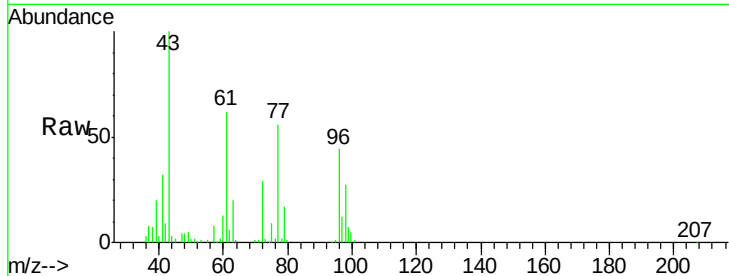
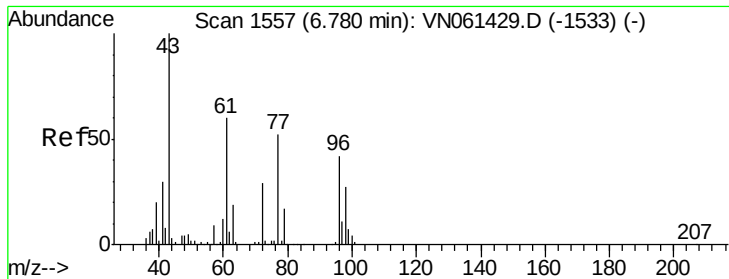
MMDadoda
5/19/2020 4:24:56 PM



#26
2,2-Dichloropropane
Concen: 17.066 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 77 Resp: 101702
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.9





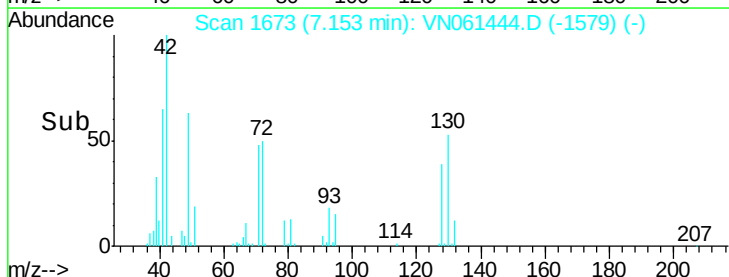
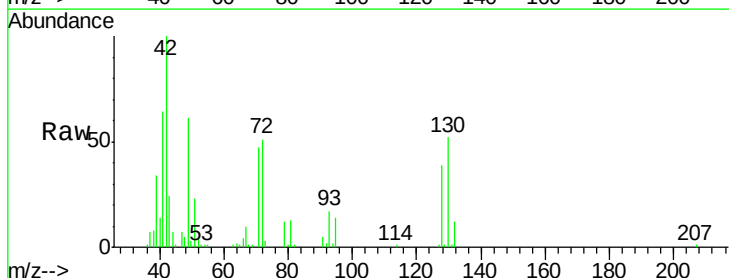
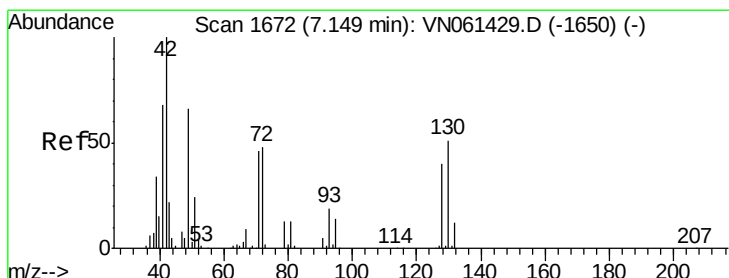
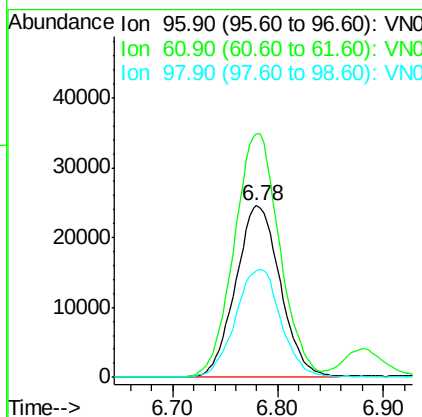
#27
 cis-1,2-Dichloroethene
 Concen: 18.162 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tot Ion	Ratio	Resp	Lower	Upper
96	100	72499		
61	144.0		0.0	294.2
98	63.9		0.0	128.2

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

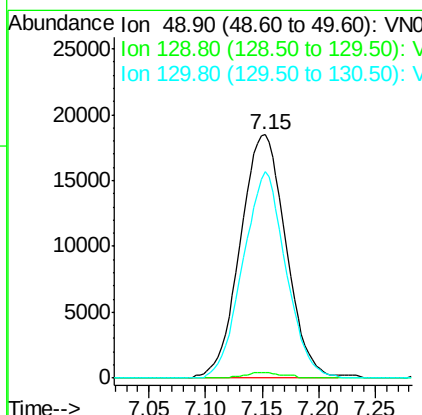
Manual Integrations
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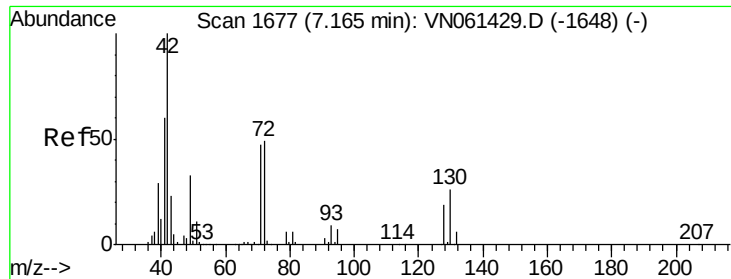
MMDadoda
 5/19/2020 4:24:56 PM



#28
 Bromochloromethane
 Concen: 19.536 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51837		
129	1.9		0.0	4.6
130	79.7		62.2	93.2





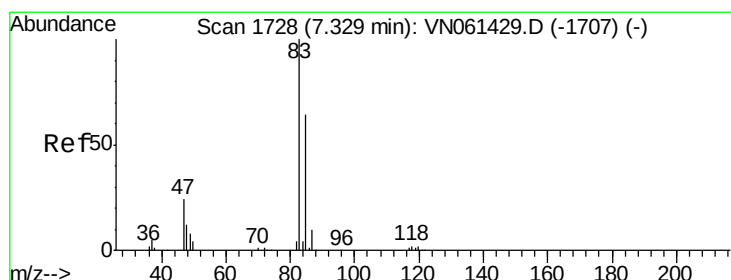
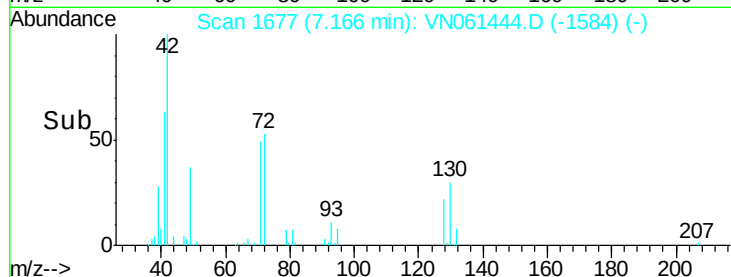
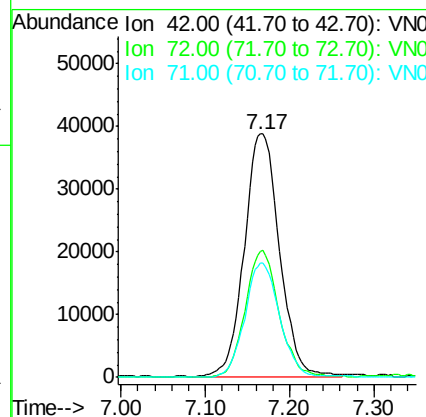
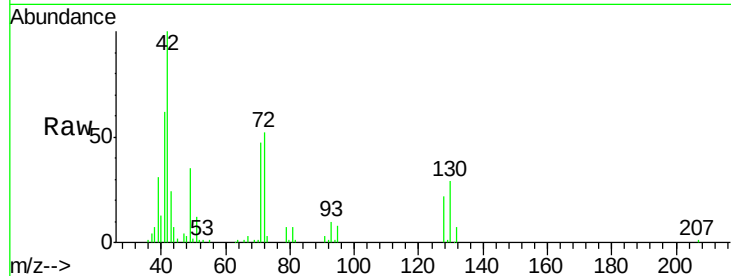
#29
Tetrahydrofuran
Concen: 88.049 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :
VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.0	58.6
71	45.9	36.9	55.3

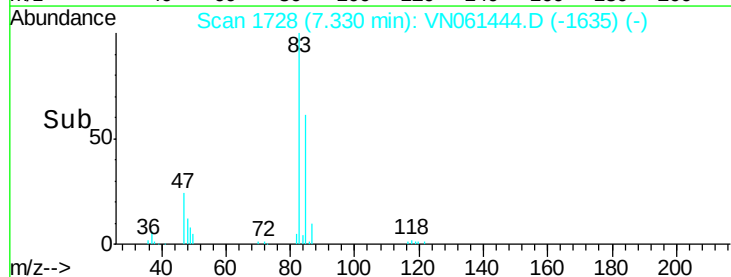
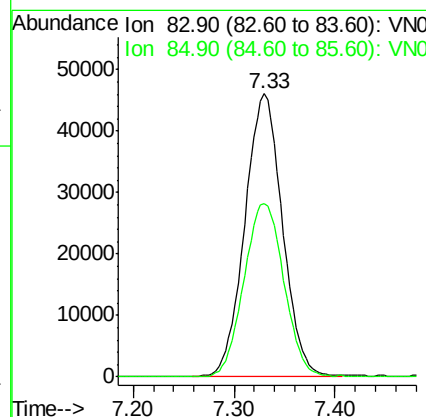
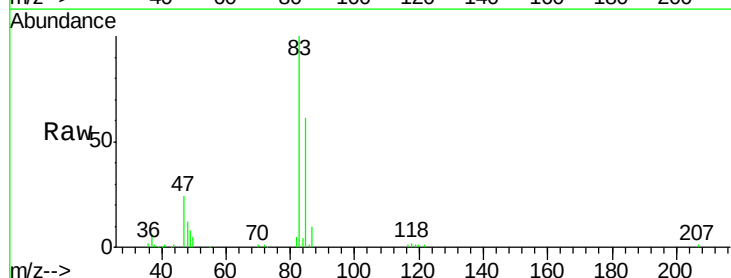
Manual Integrations
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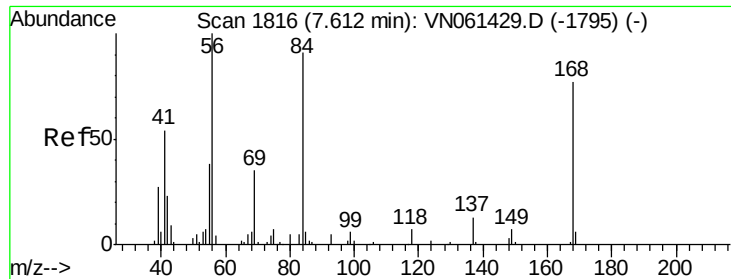
MMDadoda
5/19/2020 4:24:56 PM



#30
Chloroform
Concen: 18.252 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.0	76.4





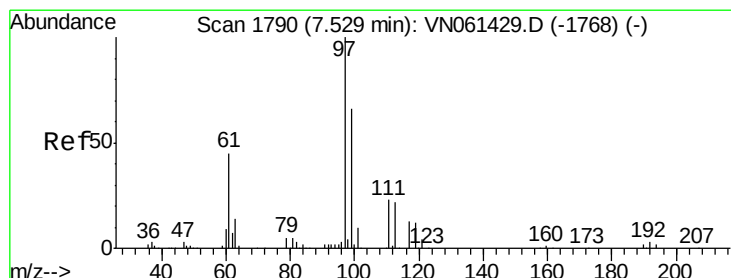
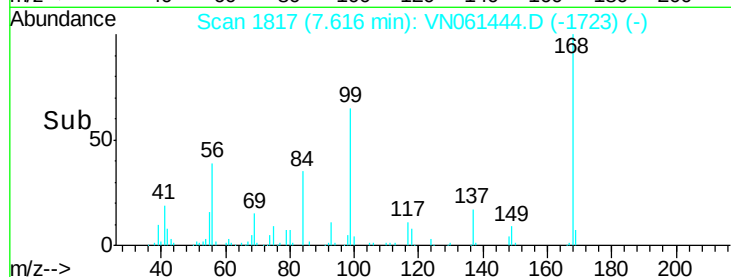
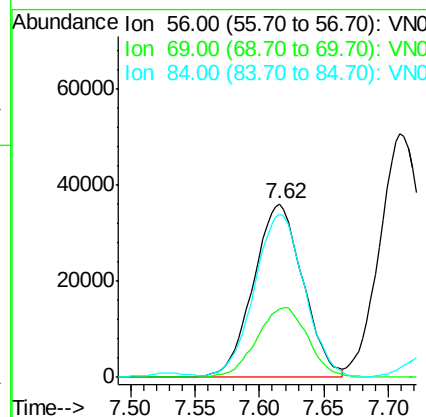
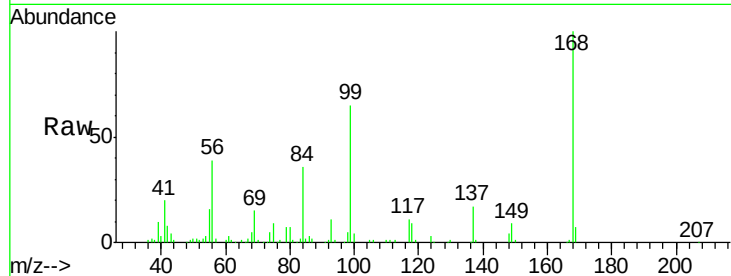
#31
Cyclohexane
Concen: 15.456 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	27.8	41.6
84	92.8	72.7	109.1

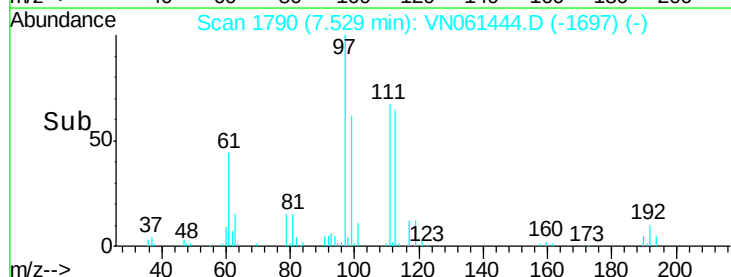
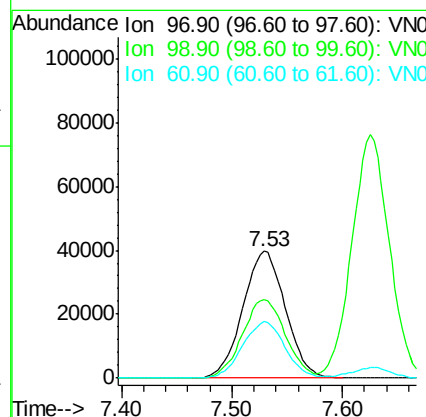
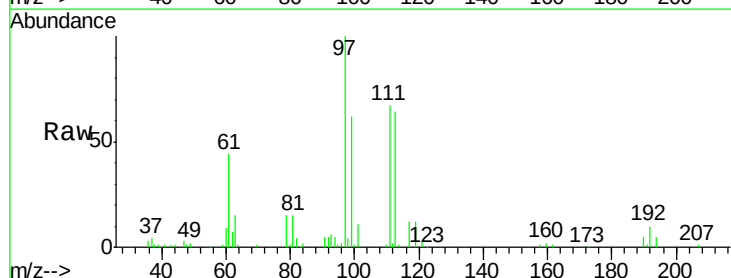
Manual Integrations
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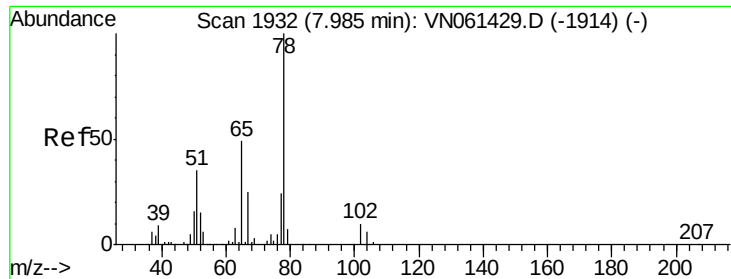
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#32
1,1,1-Trichloroethane
Concen: 17.756 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
97	100		
61	62.8	51.5	77.3
111	44.3	35.8	53.6





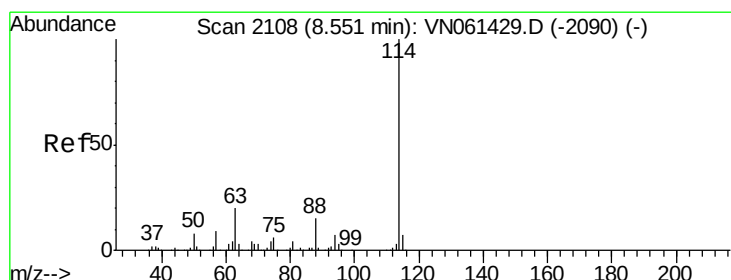
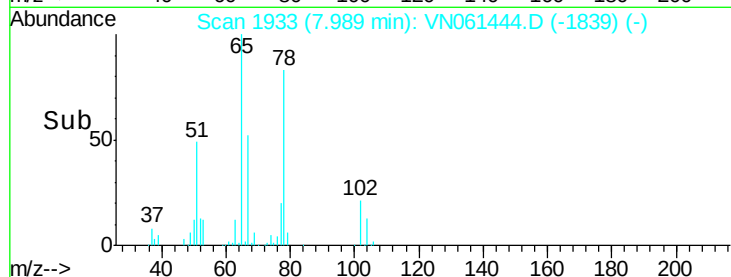
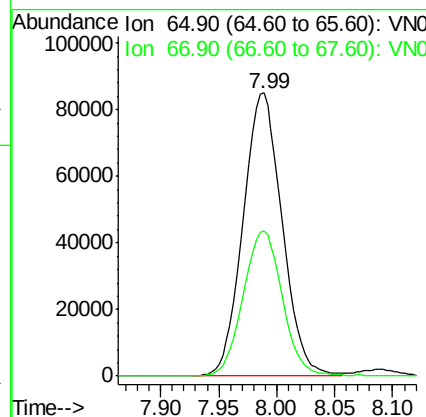
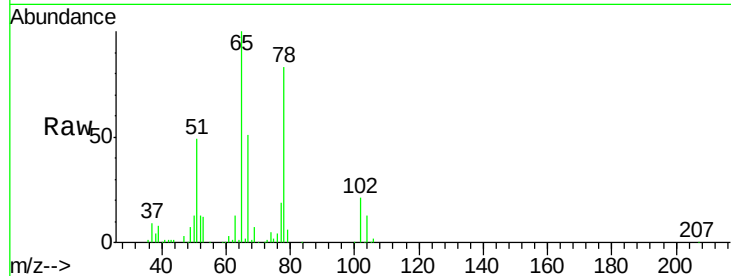
#33
 1,2-Dichloroethane-d4
 Concen: 46.666 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199127		
67	51.5	0.0	101.4	

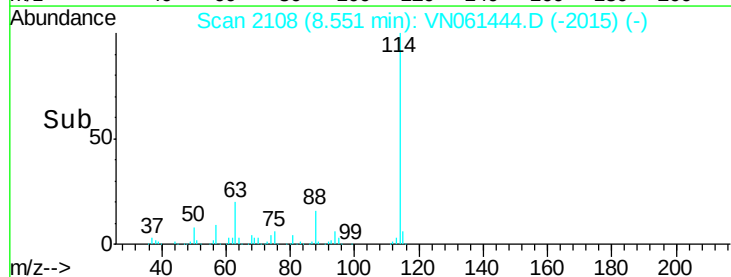
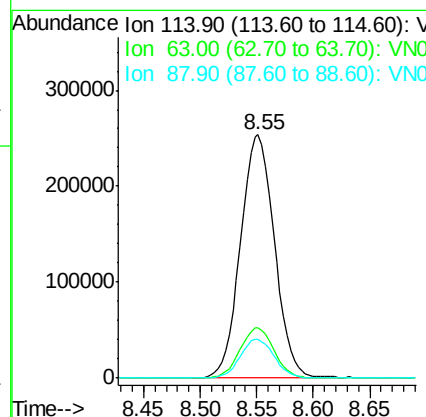
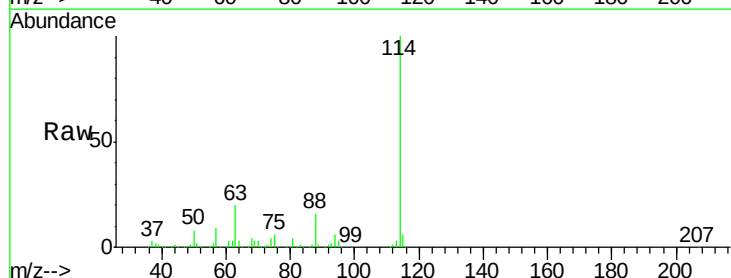
Manual Integrations
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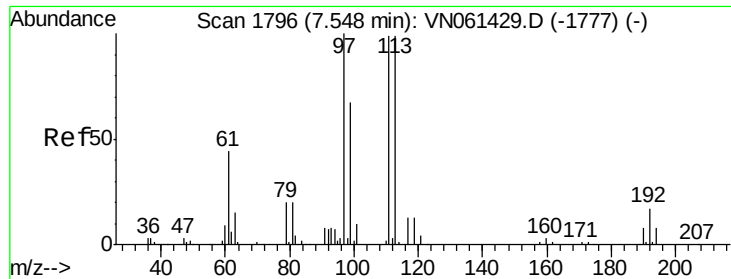
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	530906		
63	20.4	0.0	40.8	
88	16.0	0.0	30.8	





#35

Dibromofluoromethane

Concen: 50.842 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

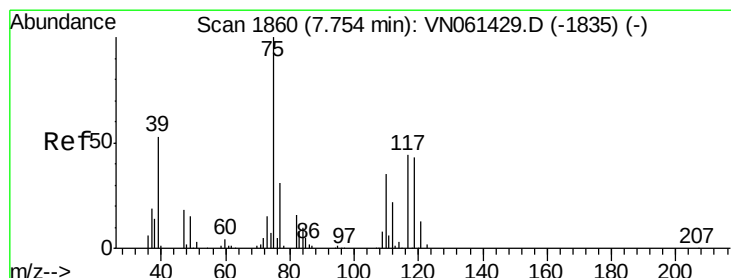
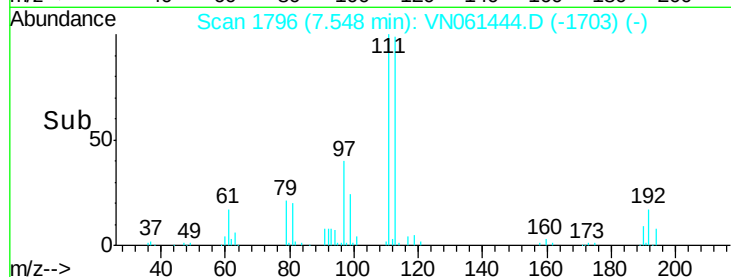
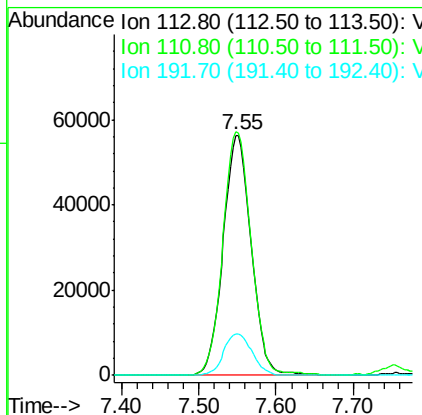
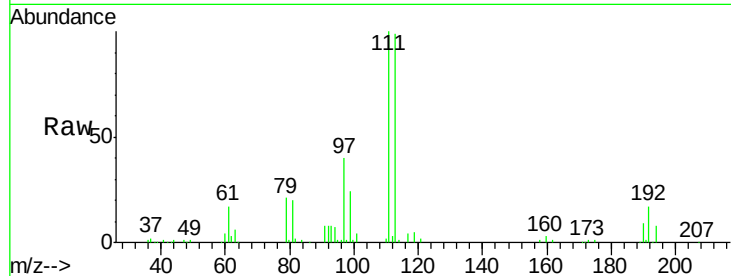
ClientSampled :

VN0518WBSD01

Tot Ion:	113	Resp:	141405
Ion Ratio	Lower	Upper	
113	100		
111	101.7	80.6	121.0
192	17.5	13.2	19.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 17.067 ug/l

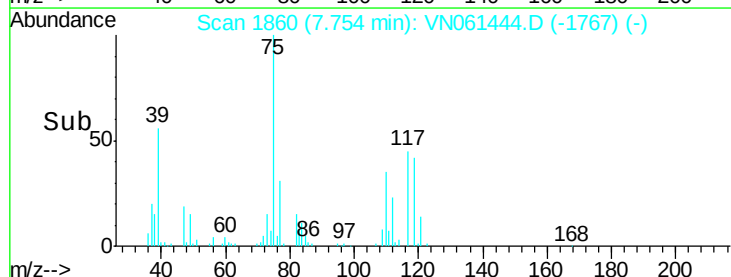
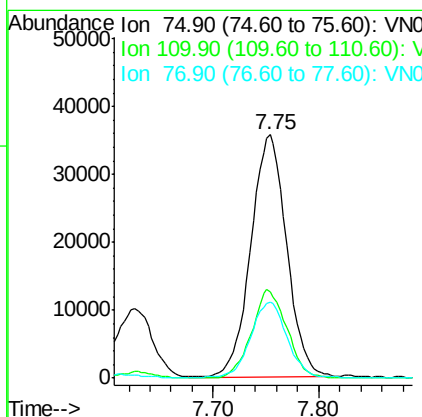
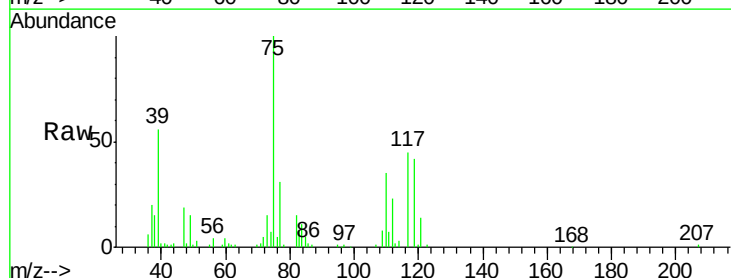
RT: 7.75 min Scan# 1860

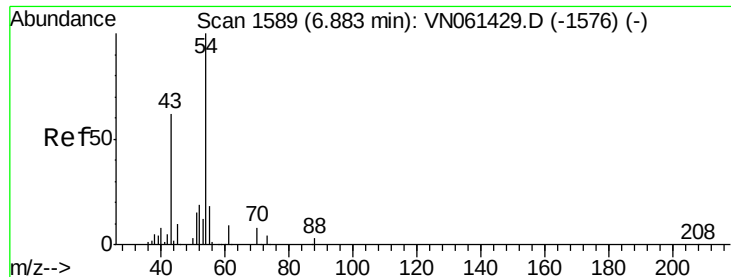
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	75	Resp:	84723
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.3	51.9
77	31.8	24.9	37.3





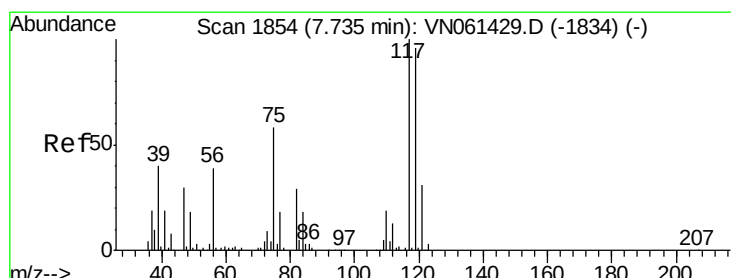
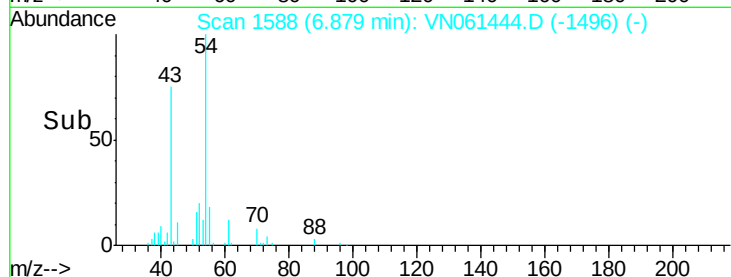
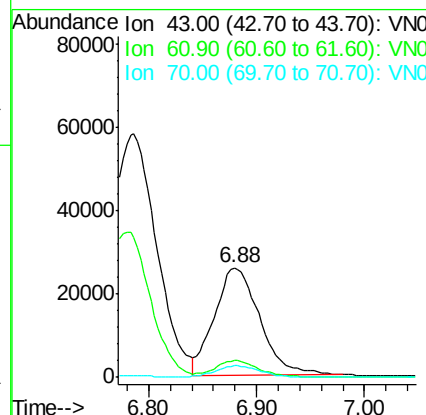
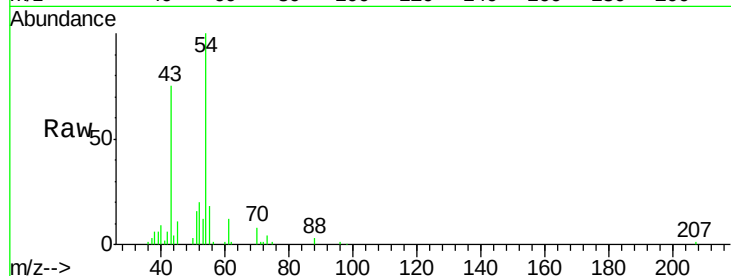
#37
Ethyl Acetate
Concen: 16.898 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	43	Resp	76074
Ion Ratio	100	Lower	Upper
43	100		
61	15.2	11.7	17.5
70	10.7	9.2	13.8

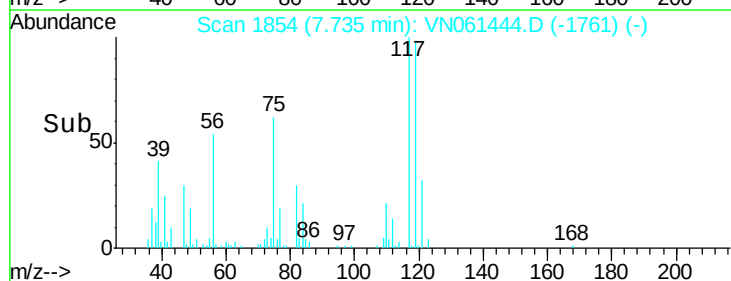
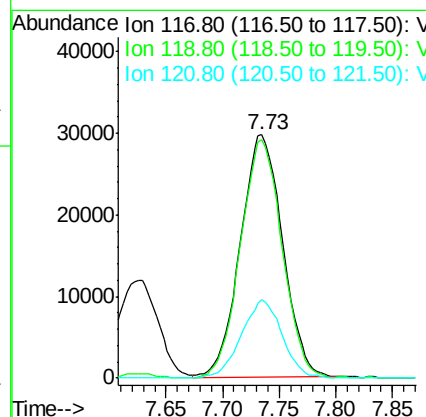
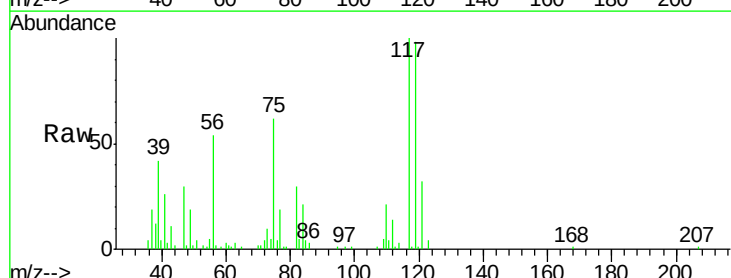
Manual Integrations
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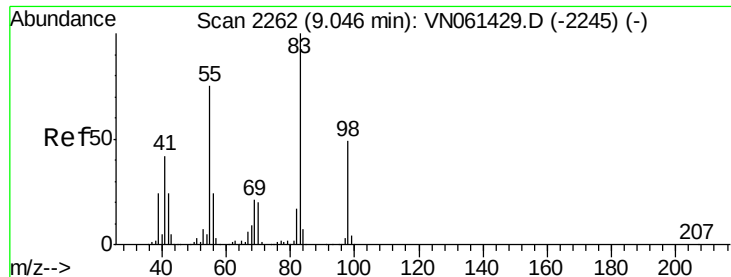
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#38
Carbon Tetrachloride
Concen: 16.876 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	117	Resp	77142
Ion Ratio	100	Lower	Upper
117	100		
119	98.8	77.0	115.6
121	32.2	24.7	37.1





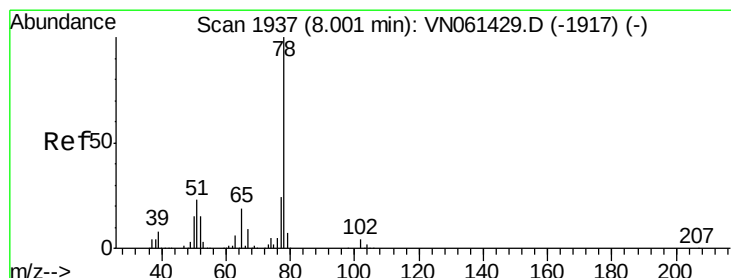
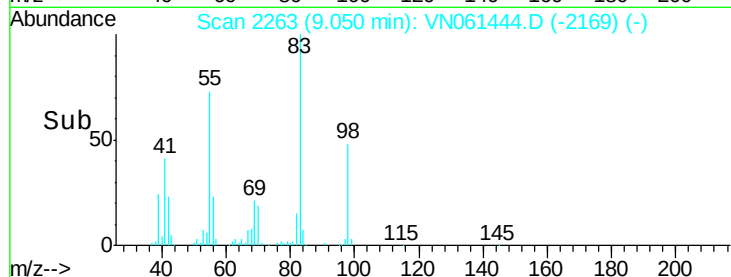
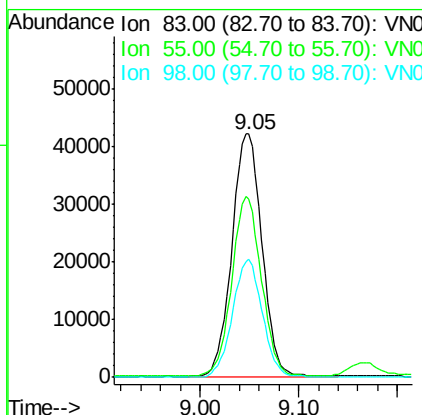
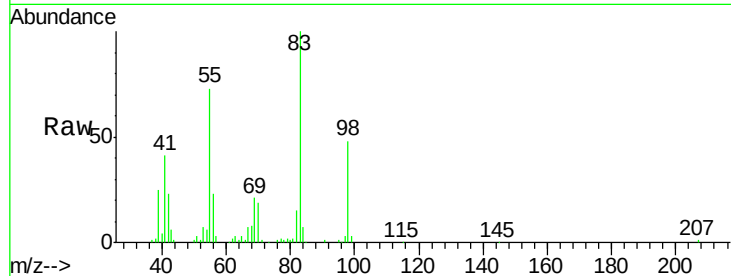
#39
Methylvlcyclohexane
Concen: 14.907 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.6		59.7	89.5
98	48.3		38.9	58.3

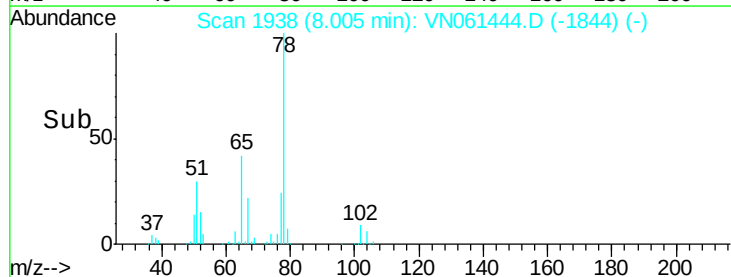
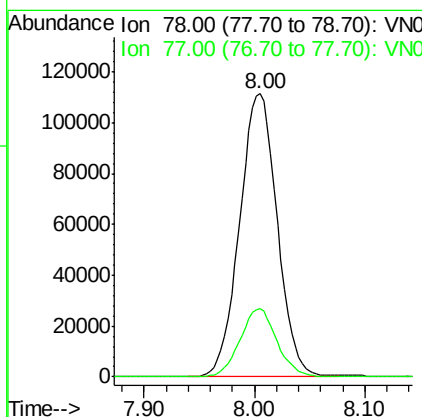
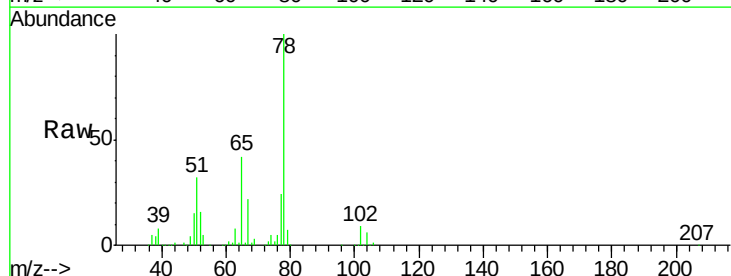
Manual Integrations
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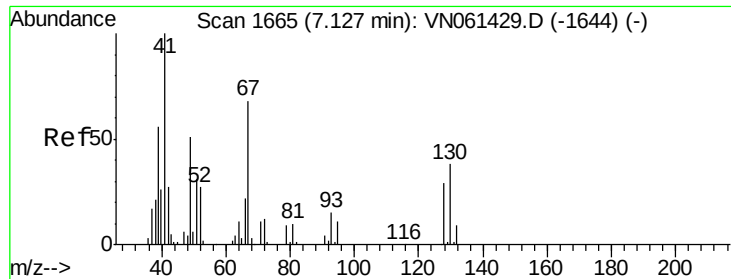
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#40
Benzene
Concen: 17.579 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0		19.1	28.7





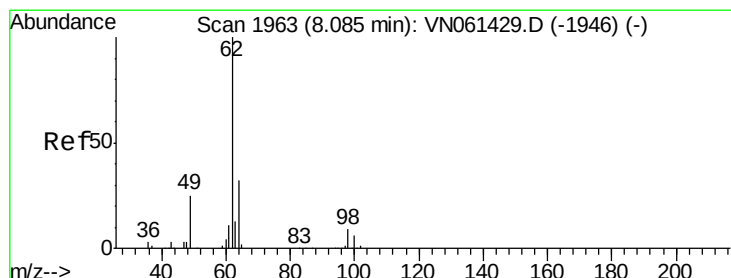
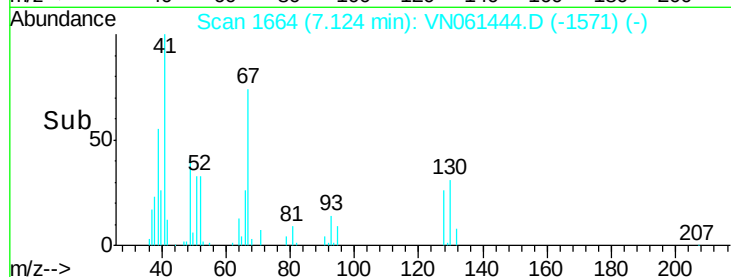
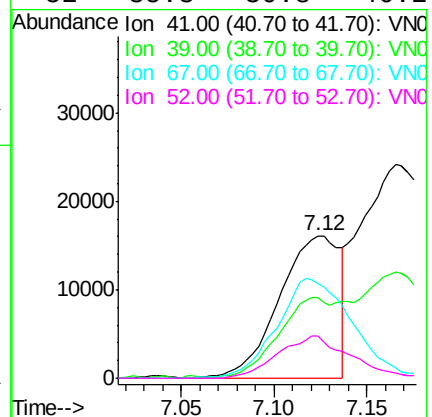
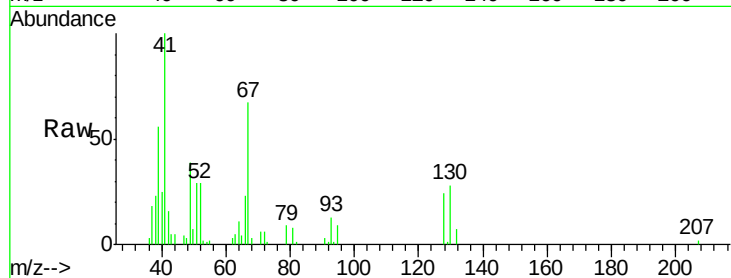
#41
Methacrylonitrile
Concen: 19.266 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.5	48.3	72.5#	
67	87.6	74.2	111.4	
52	35.3	30.8	46.2	

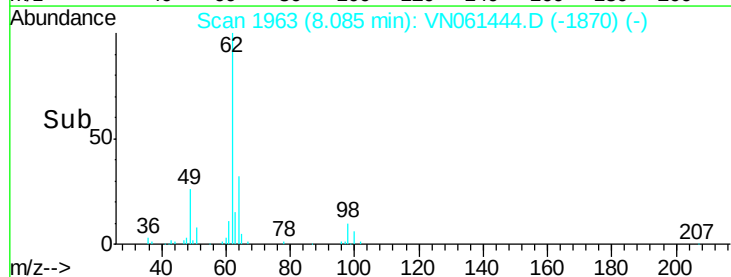
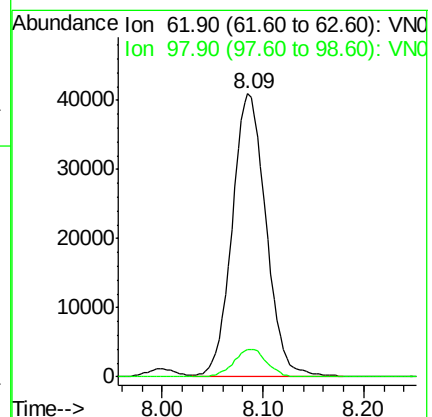
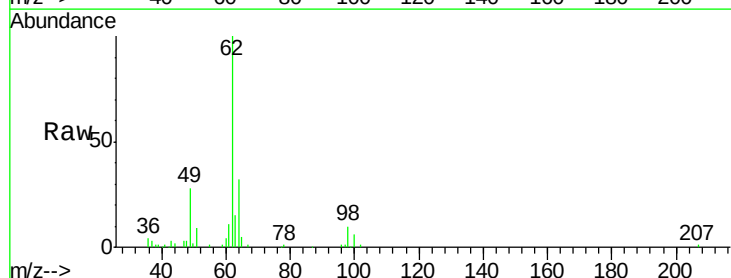
Manual Integrations
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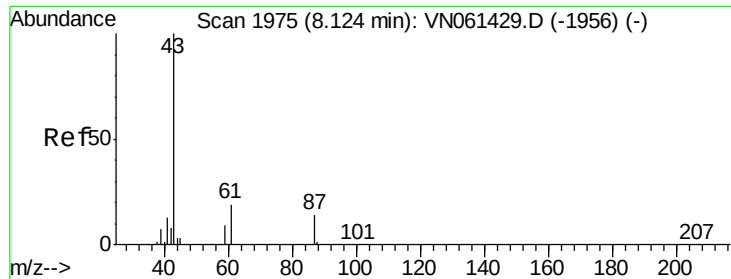
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#42
1,2-Dichloroethane
Concen: 17.768 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	18.4	





#43

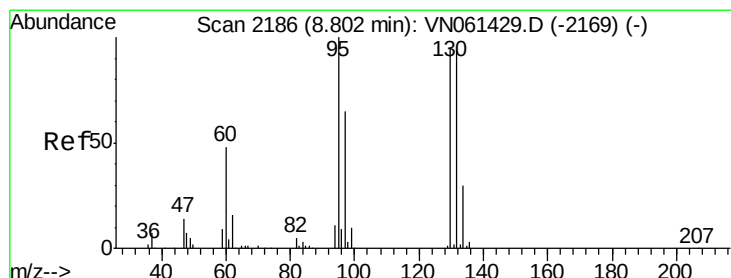
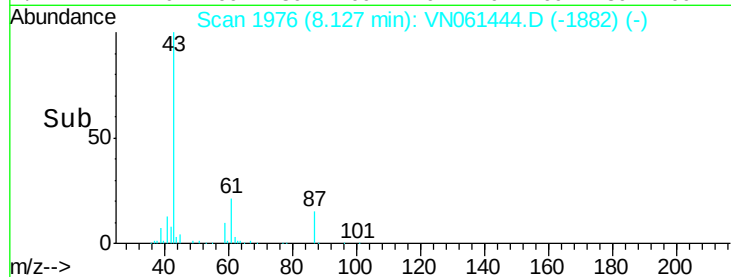
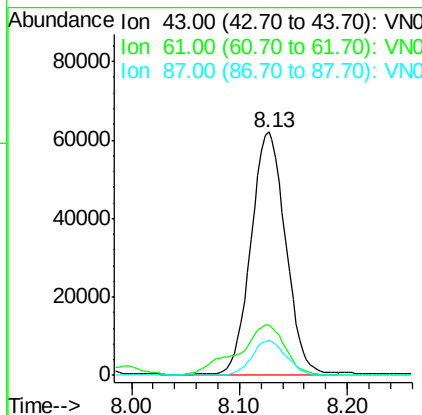
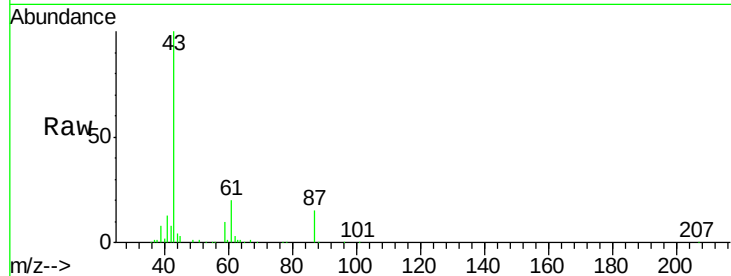
Isopropyl Acetate
 Concen: 17.452 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.0	34.4
87	14.3	11.6	17.4

Manual Integrations
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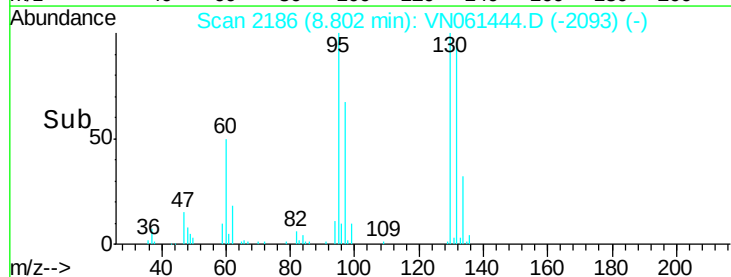
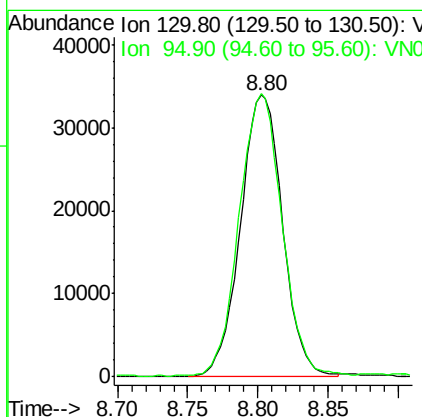
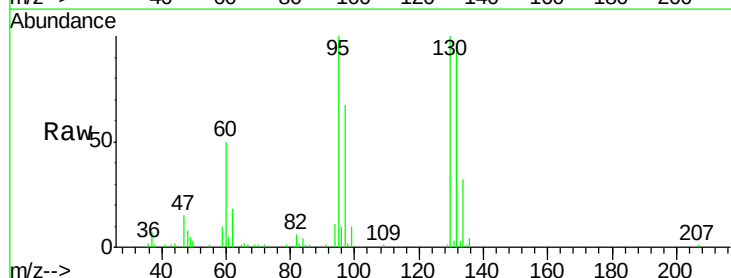
MMDadoda
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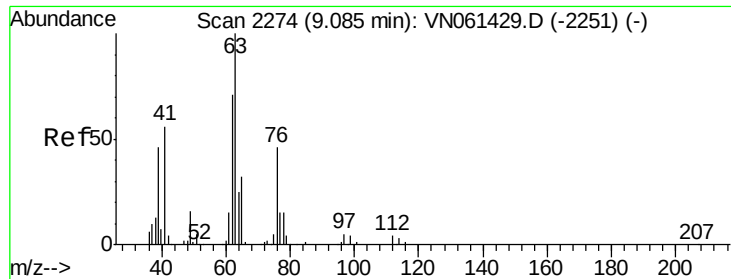


#44

Trichloroethene
 Concen: 18.085 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	209.8





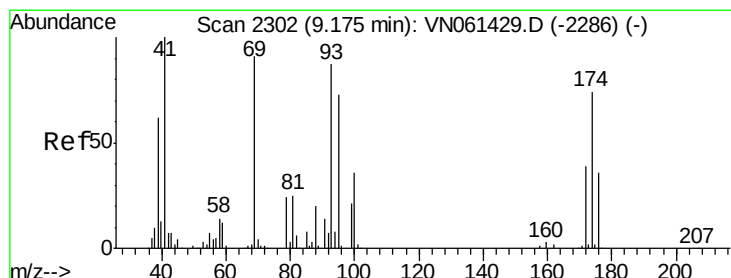
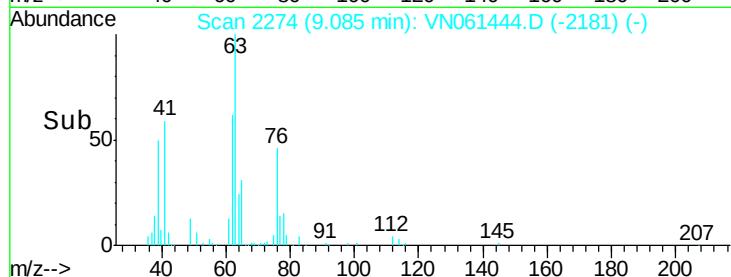
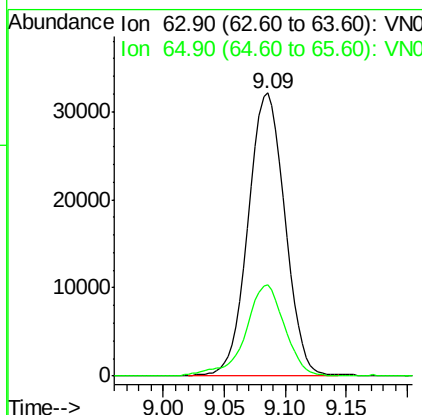
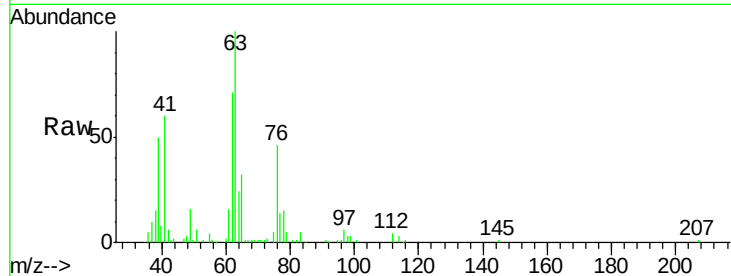
#45
 1,2-Dichloropropane
 Concen: 17.920 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.2	37.8

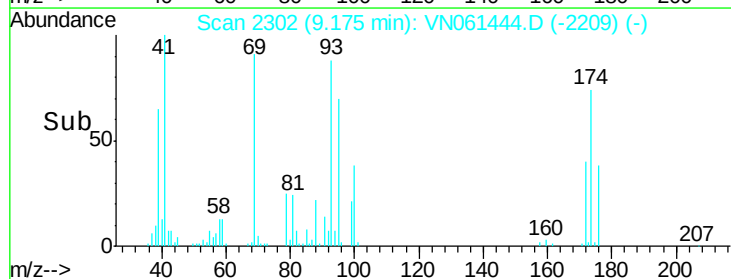
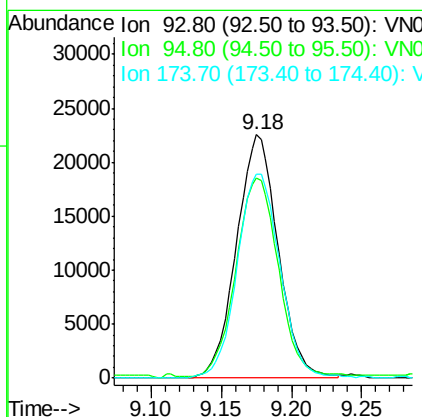
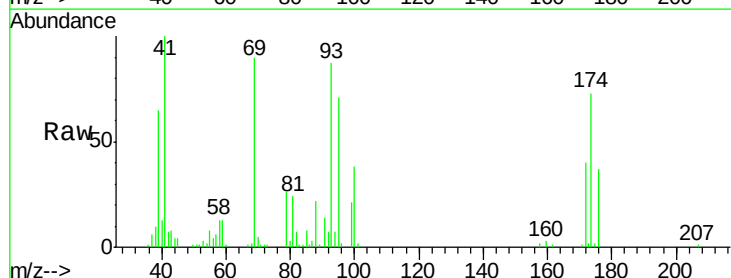
Manual Integrations
 APPROVED

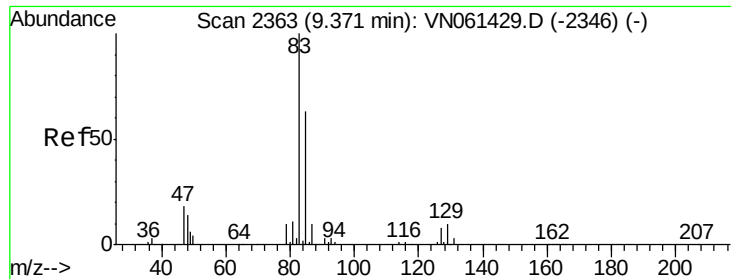
MMDadoda
 5/19/2020 4:24:56 PM



#46
 Dibromomethane
 Concen: 17.741 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	86.3	68.0	102.0





#47

Bromodichloromethane

Concen: 17.413 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

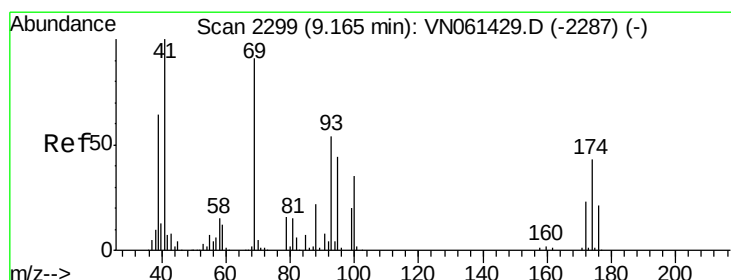
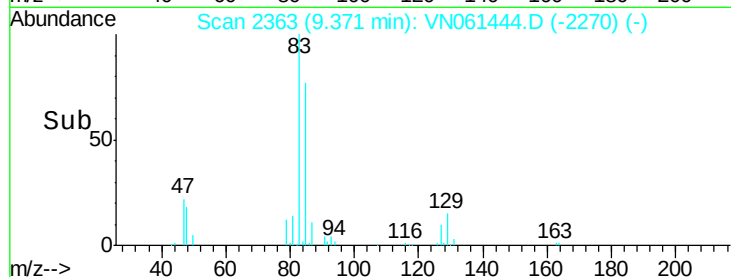
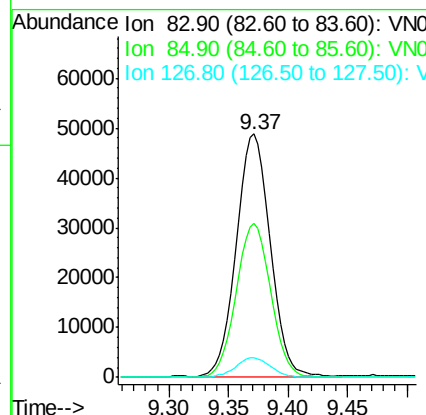
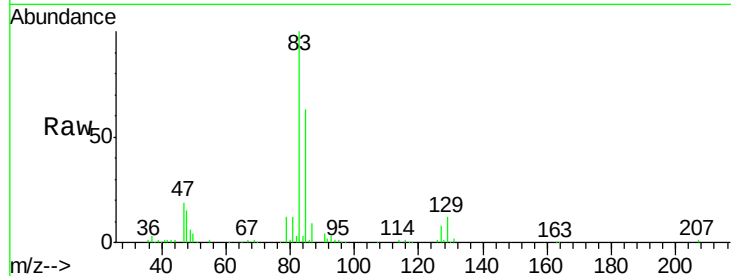
ClientSampleId :

VN0518WBSD01

Tot Ion:	83	Resp:	96306
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	76.0
127	8.0	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.977 ug/l

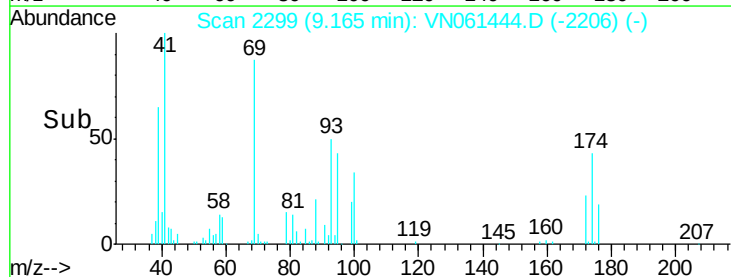
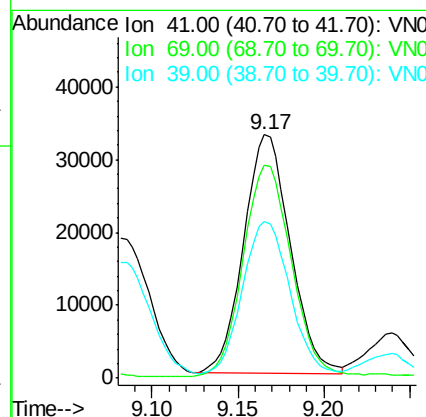
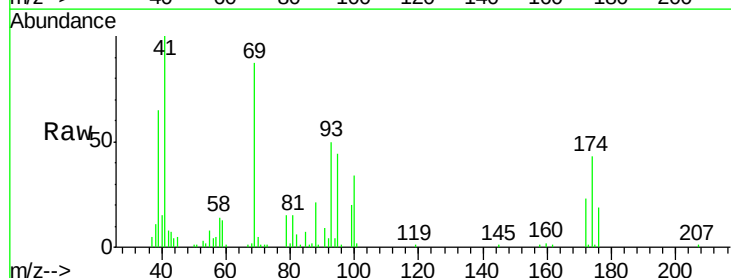
RT: 9.17 min Scan# 2299

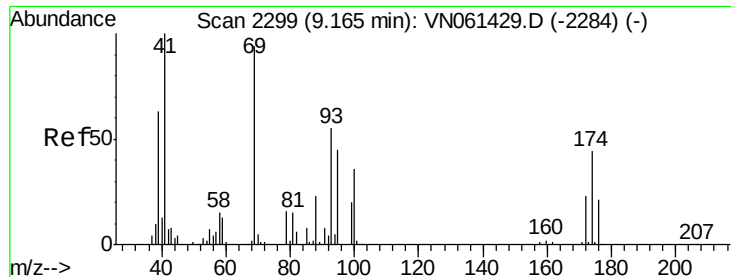
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	41	Resp:	61580
Ion	Ratio	Lower	Upper
41	100		
69	92.0	75.3	112.9
39	68.0	52.6	79.0





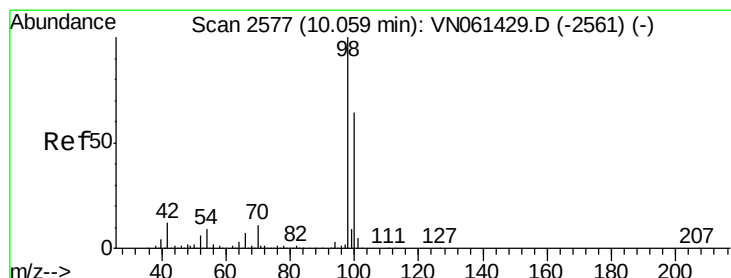
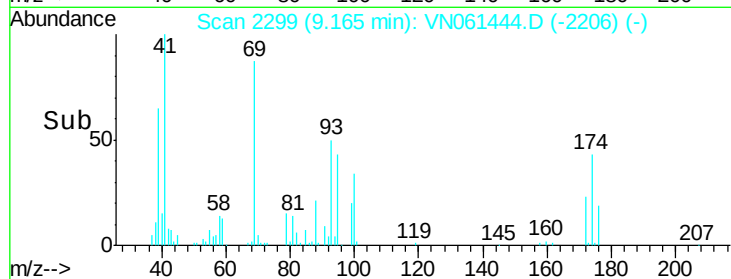
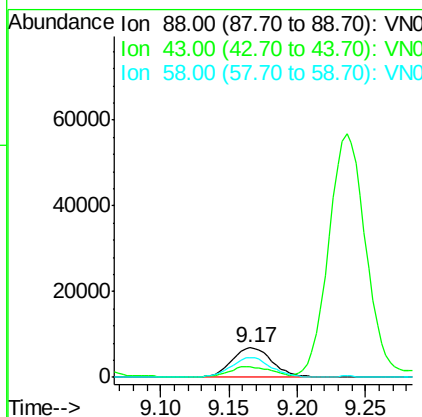
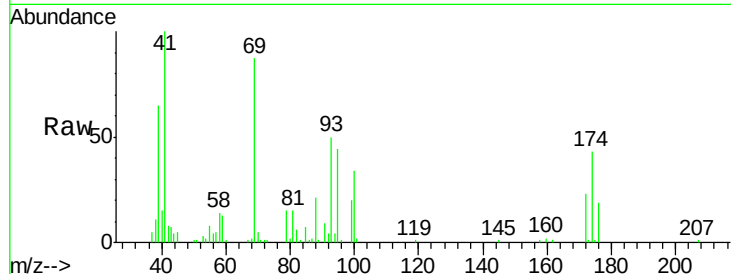
#49
 1,4-Dioxane
 Concen: 356.394 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Tot Ion	88	Resp	14523
Ion	Ratio	Lower	Upper
88	100		
43	37.9	26.3	39.5
58	64.6	54.1	81.1

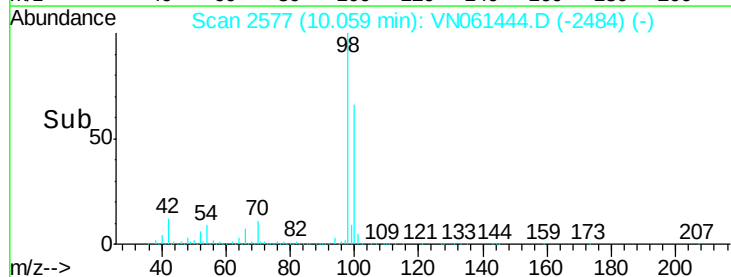
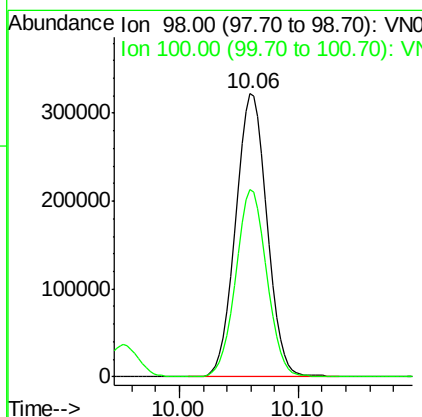
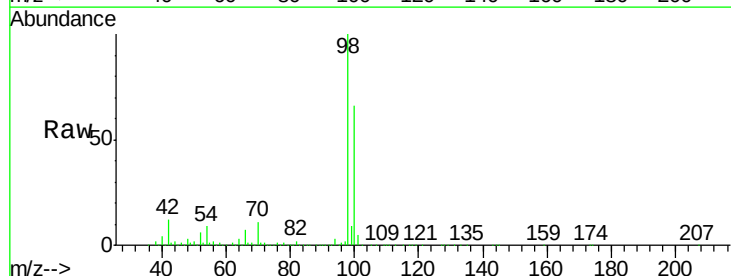
Manual Integrations
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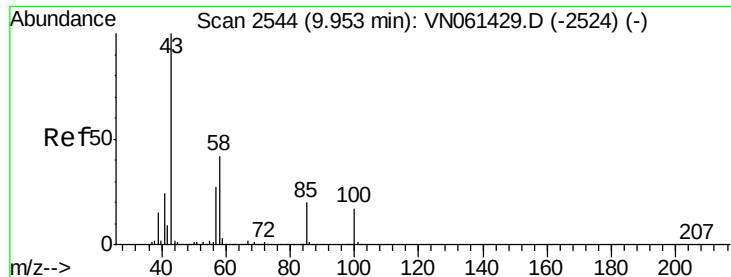
MMDadoda
 5/19/2020 4:24:56 PM



#50
 Toluene-d8
 Concen: 45.713 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	98	Resp	589700
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 90.404 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD01

Tot Ion: 43 Resp: 386695

Ion Ratio Lower Upper

43 100

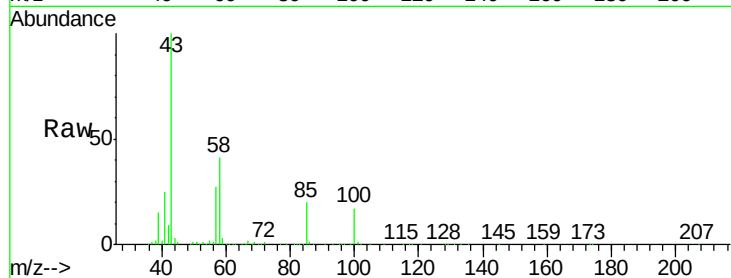
58 41.0 33.4 50.2

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)

Ion 58.00 (57.70 to 58.70): VN061429.D (-2524) (-)

250000

200000

150000

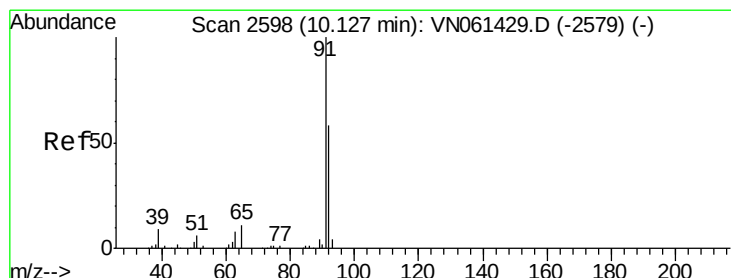
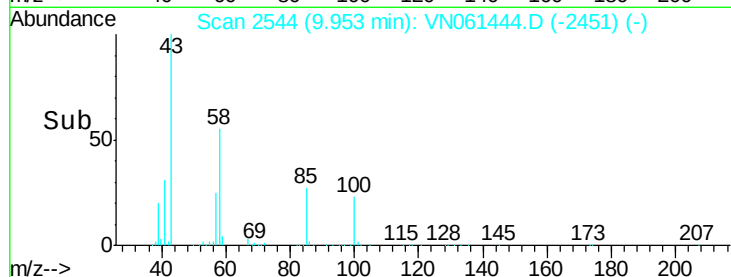
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 17.624 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061444.D

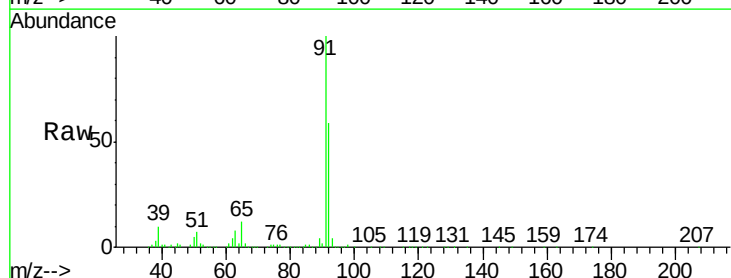
Acq: 18 May 2020 19:00

Tgt Ion: 92 Resp: 169271

Ion Ratio Lower Upper

92 100

91 171.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)

Ion 91.00 (90.70 to 91.70): VN061429.D (-2579) (-)

150000

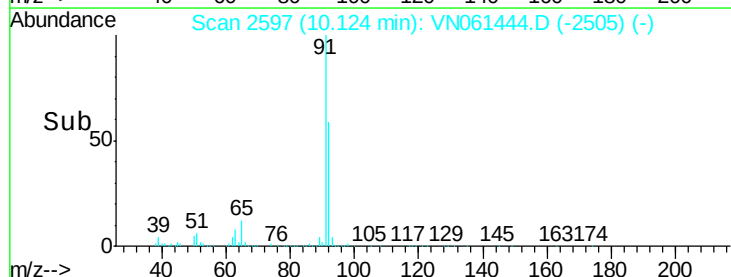
100000

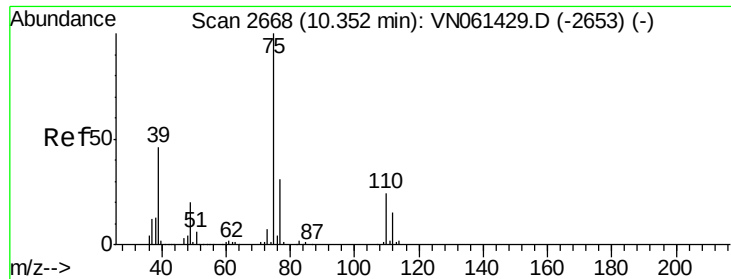
50000

0

10.10 10.12 10.20

Time-->





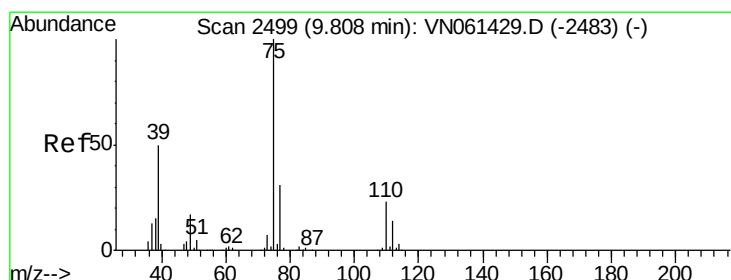
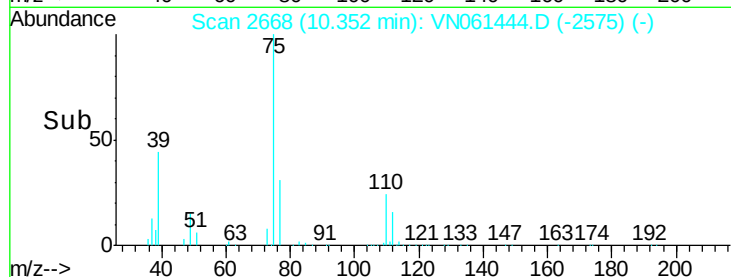
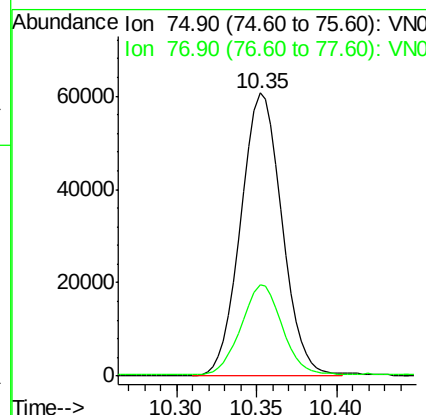
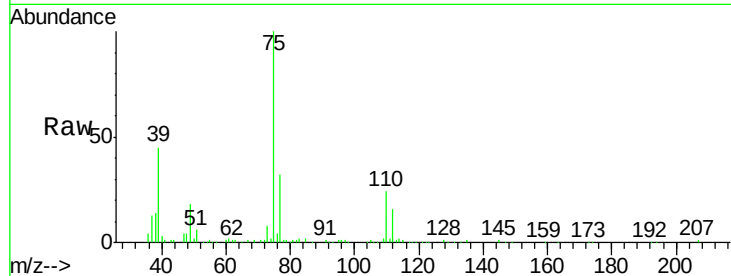
#53
t-1,3-Dichloropropene
Concen: 17.643 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :
VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

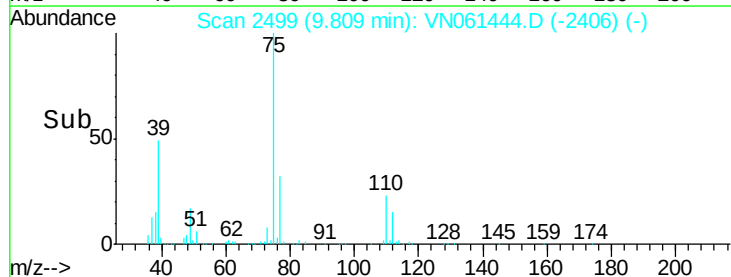
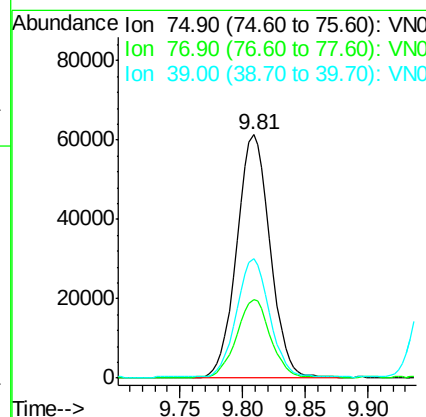
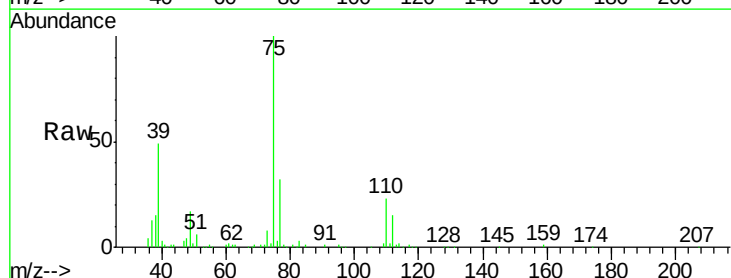
Manual Integrations
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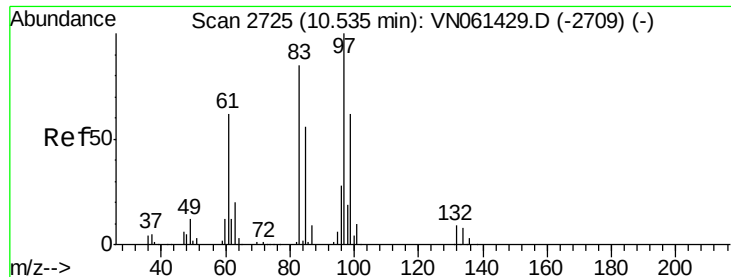
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.685 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2
39	48.4	39.8	59.6





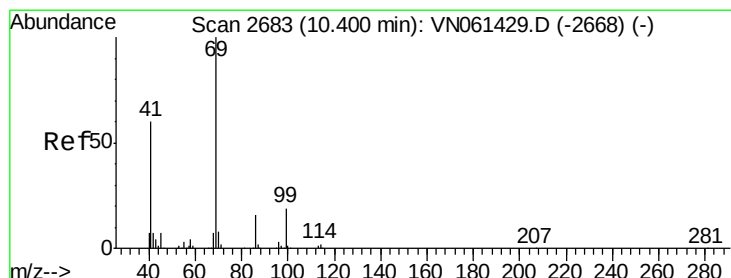
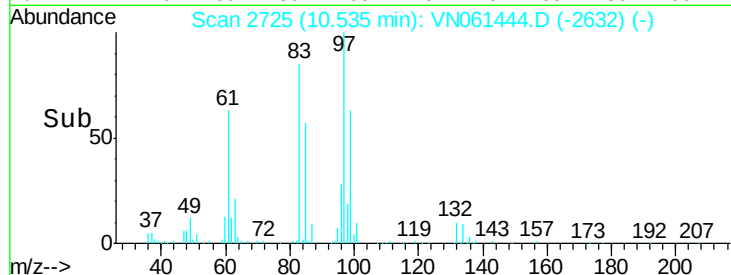
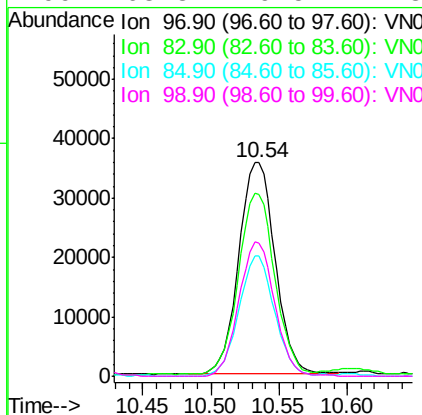
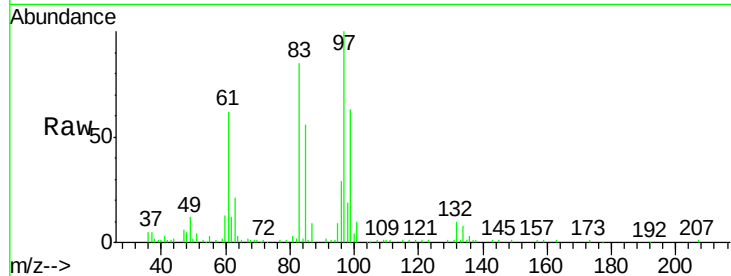
#55
 1,1,2-Trichloroethane
 Concen: 18.127 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Tot Ion	97	Resp	65823
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.4
85	56.7	44.6	67.0
99	63.3	49.5	74.3

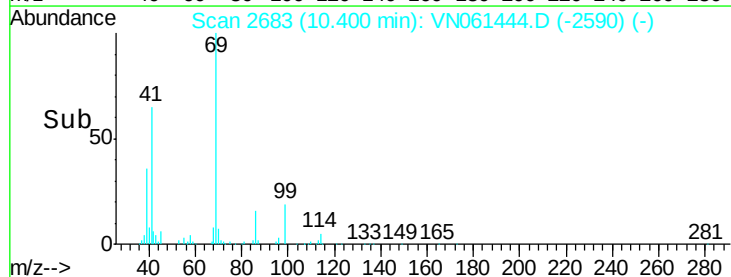
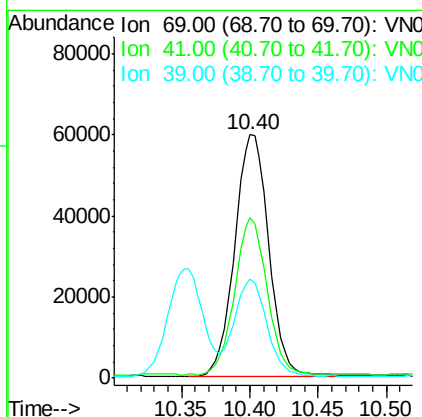
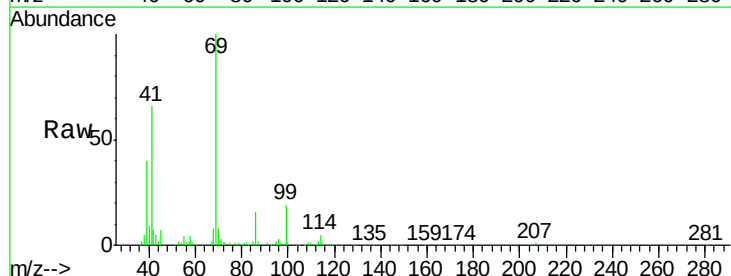
Manual Integrations
 APPROVED

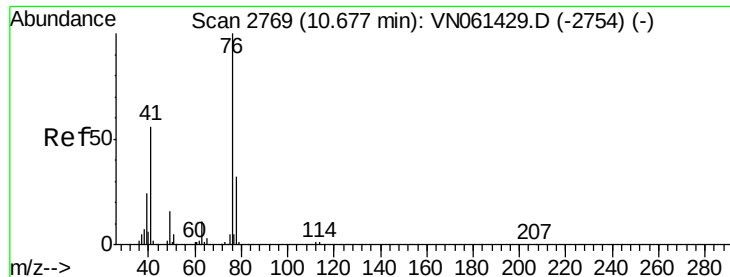
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#56
 Ethyl methacrylate
 Concen: 18.237 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	69	Resp	103531
Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.3	72.5
39	38.3	30.2	45.2





#57

1,3-Dichloropropane

Concen: 18.147 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

VN0518WBSD01

Tot Ion: 76 Resp: 113879

Ion Ratio Lower Upper

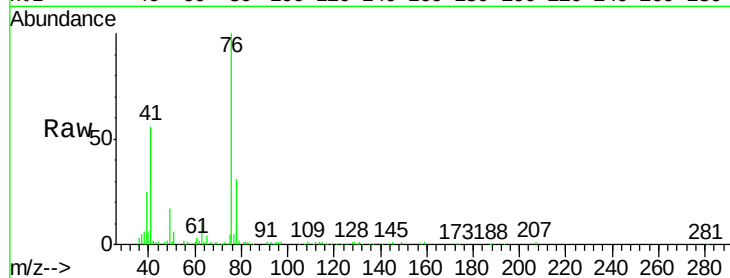
76 100

78 32.0 26.0 39.0

Manual Integrations
APPROVED

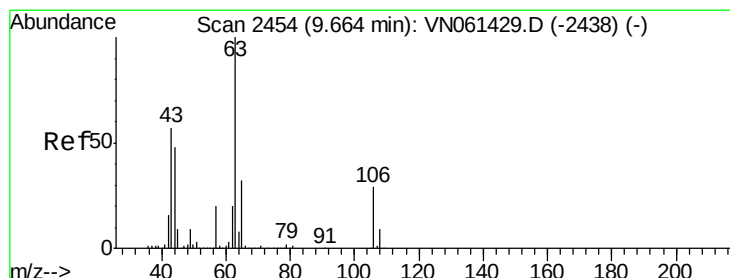
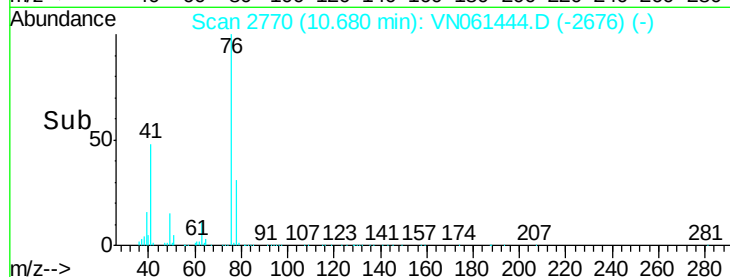
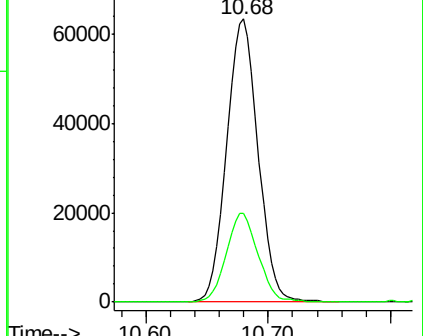
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.820 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061444.D

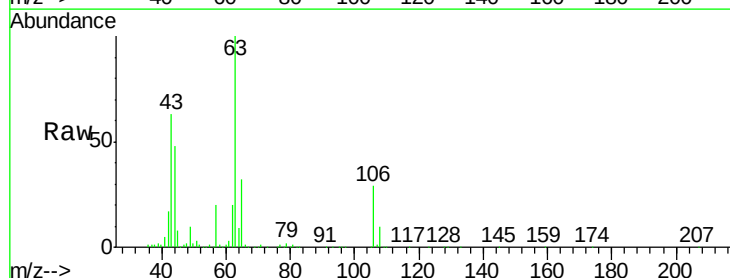
Acq: 18 May 2020 19:00

Tgt Ion: 63 Resp: 236273

Ion Ratio Lower Upper

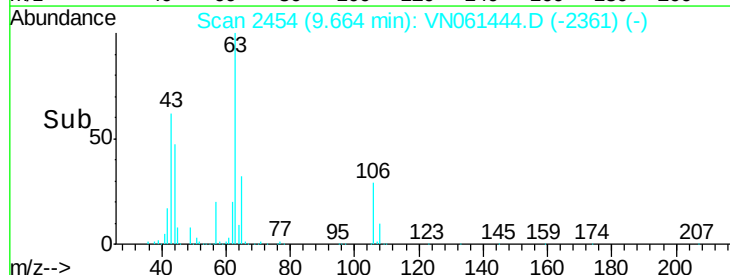
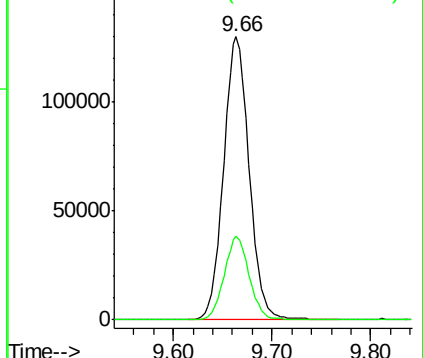
63 100

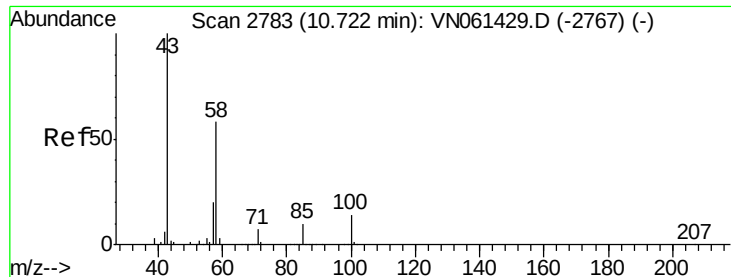
106 28.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





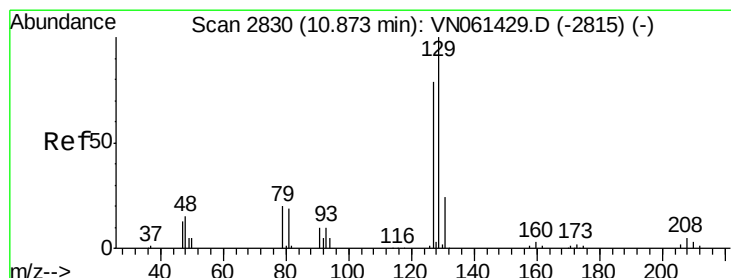
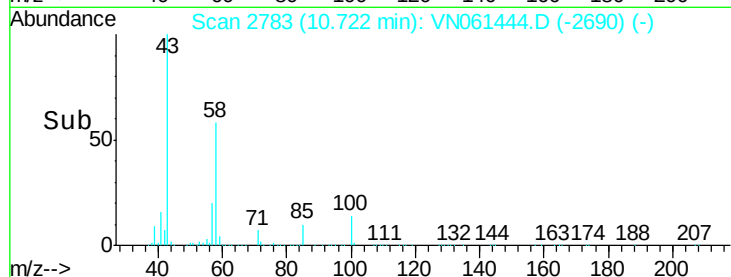
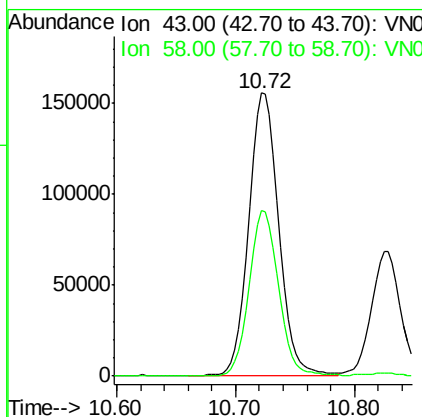
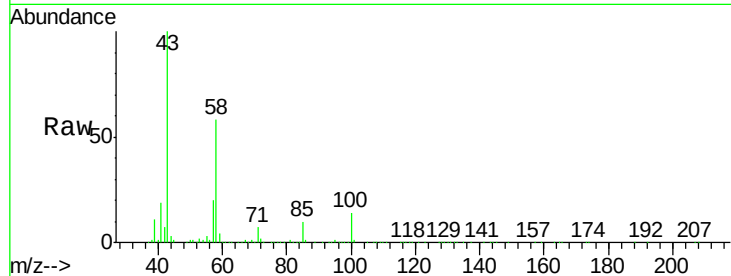
#59
2-Hexanone
Concen: 87.235 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.2	29.2	87.6

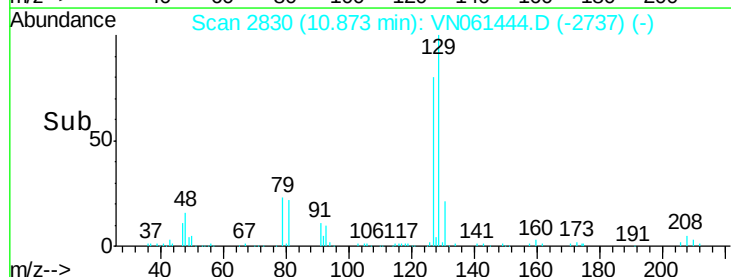
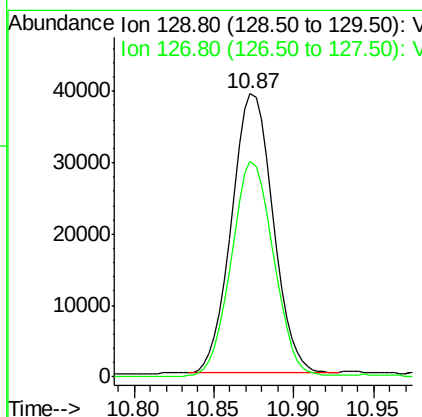
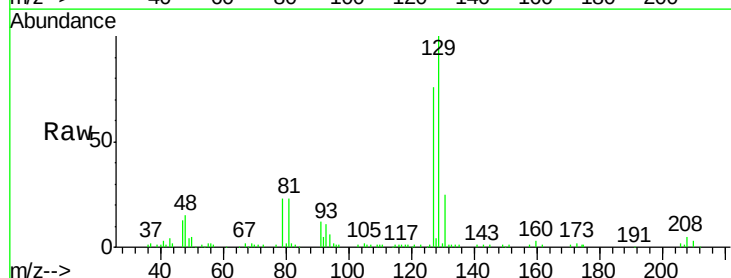
Manual Integrations
APPROVED

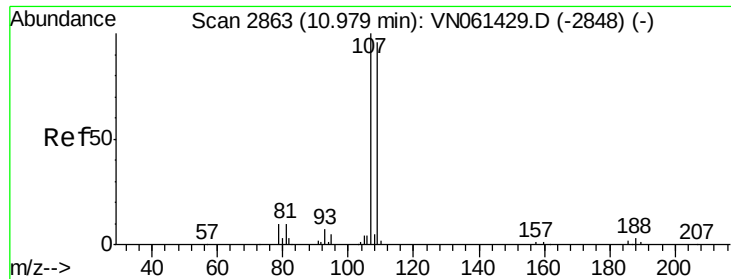
MMDadoda
5/19/2020 4:24:56 PM



#60
Dibromochloromethane
Concen: 17.253 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.8	116.3





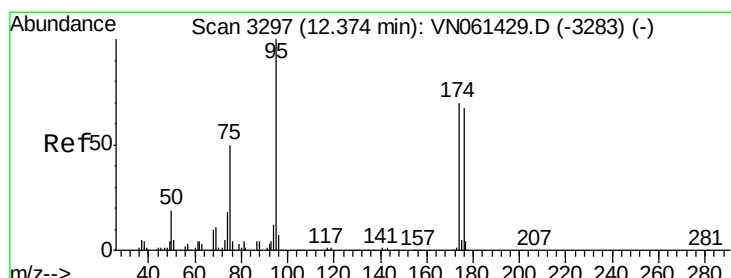
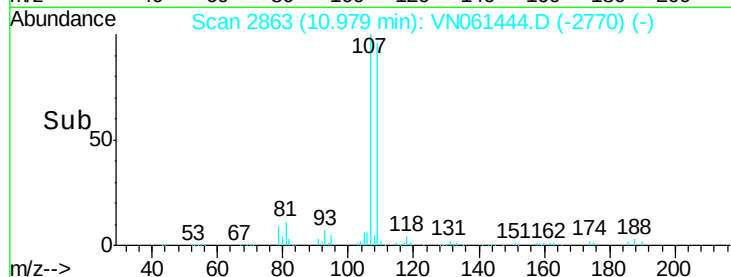
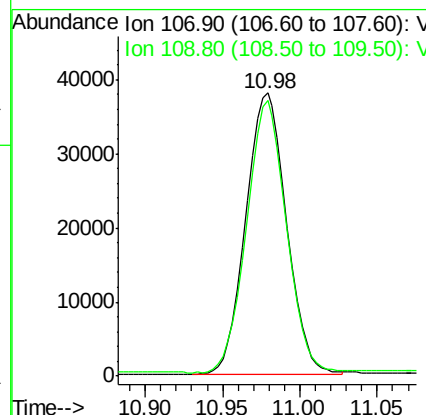
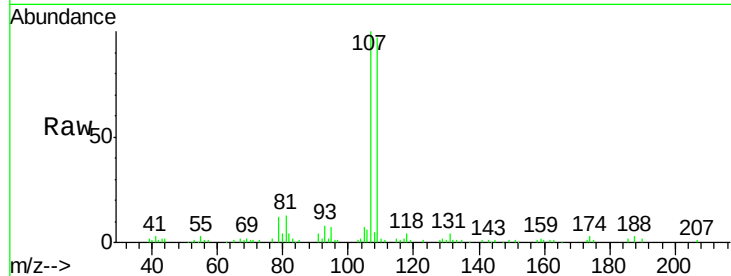
#61
 1,2-Dibromoethane
 Concen: 18.187 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.7	113.5

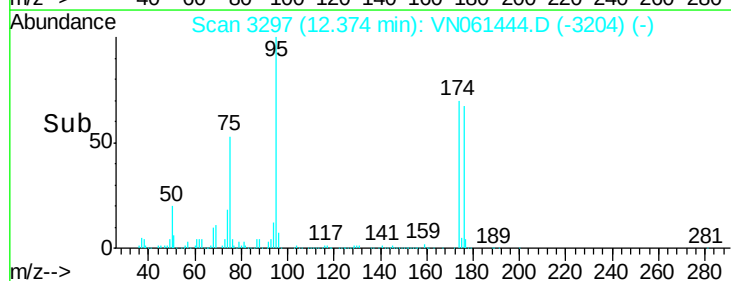
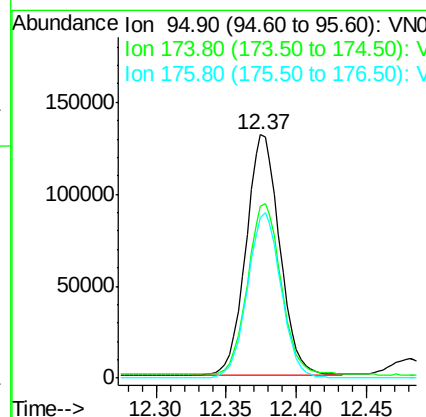
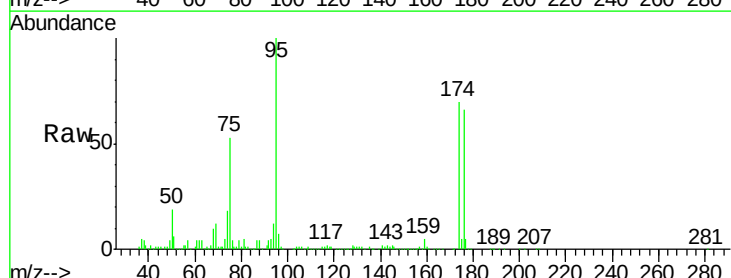
Manual Integrations
 APPROVED

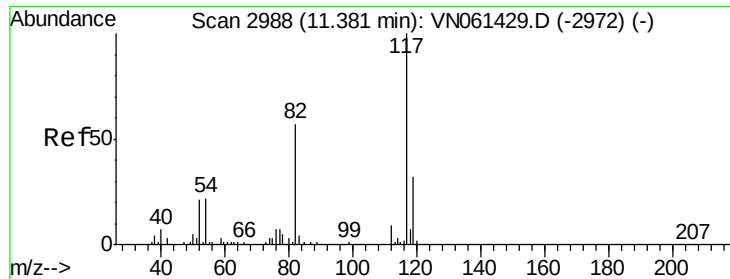
MMDadoda
 5/19/2020 4:24:56 PM



#62
 4-Bromofluorobenzene
 Concen: 45.460 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	141.2
176	68.5	0.0	137.6





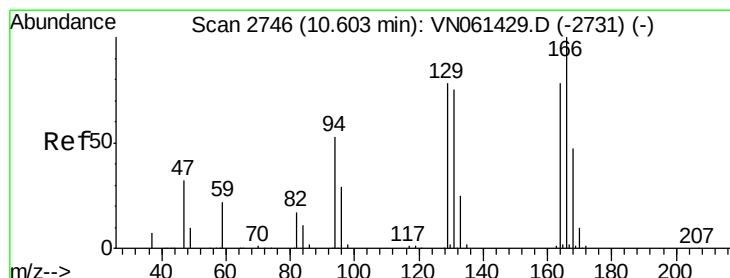
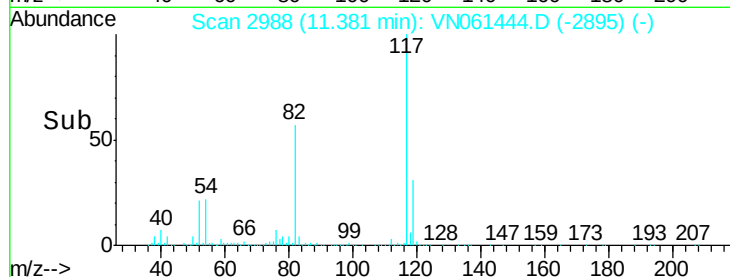
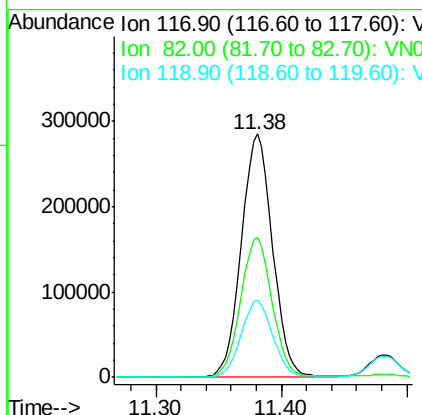
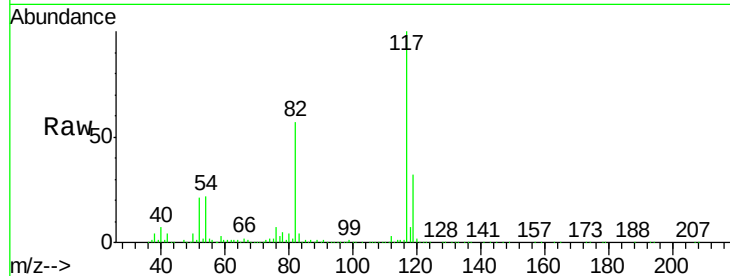
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	491754		
82	57.3	45.2	67.8	
119	31.4	25.3	37.9	

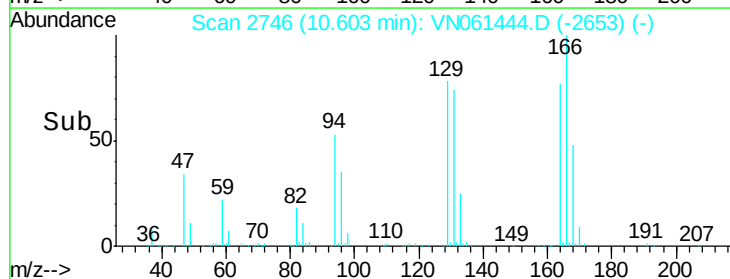
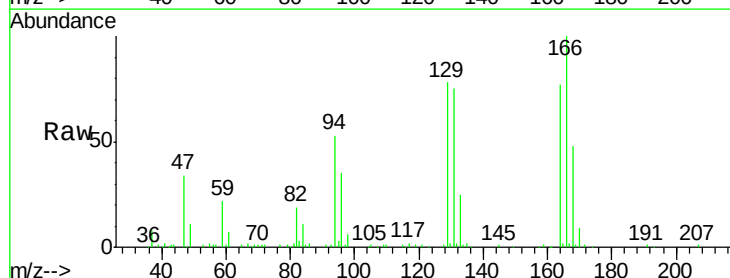
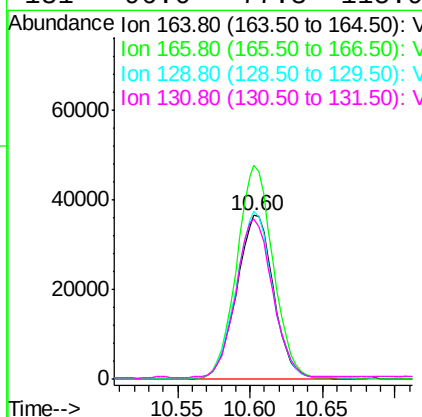
Manual Integrations
APPROVED

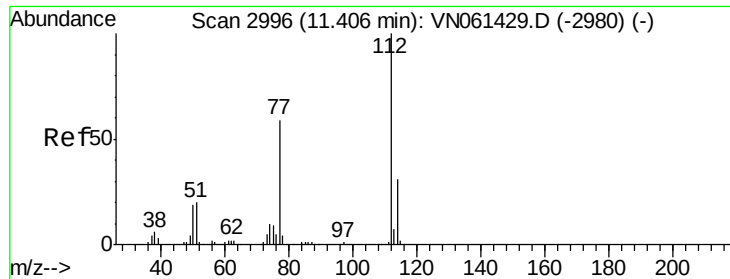
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5/19/2020 4:24:56 PM



#64
Tetrachloroethene
Concen: 16.977 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64587		
166	130.6	103.2	154.8	
129	101.3	81.0	121.4	
131	96.6	77.3	115.9	





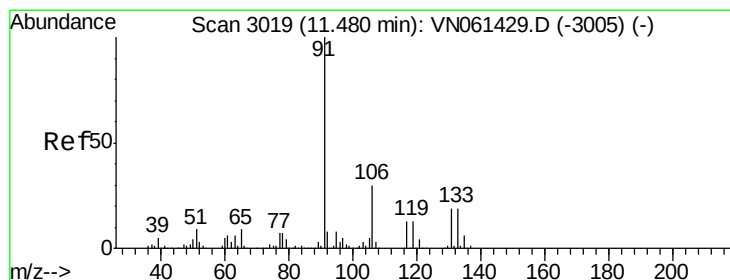
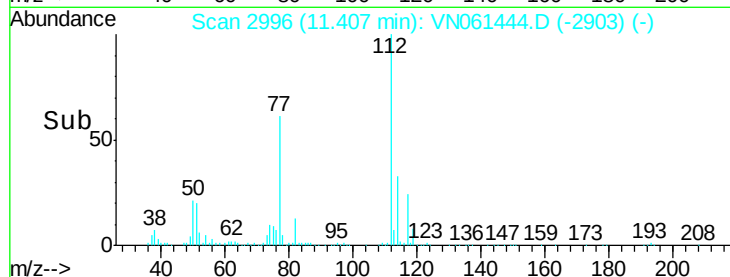
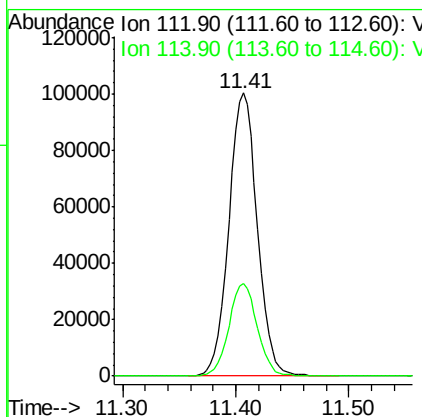
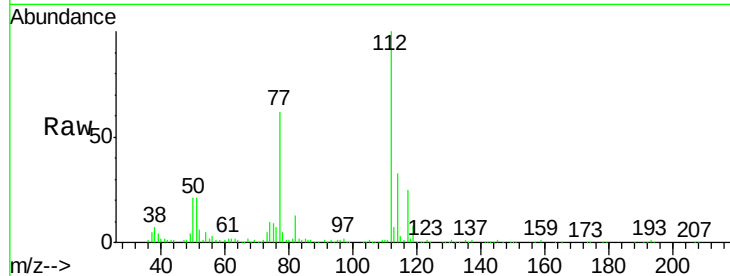
#65
Chlorobenzene
Concen: 17.494 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion:112 Resp: 175425
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.6

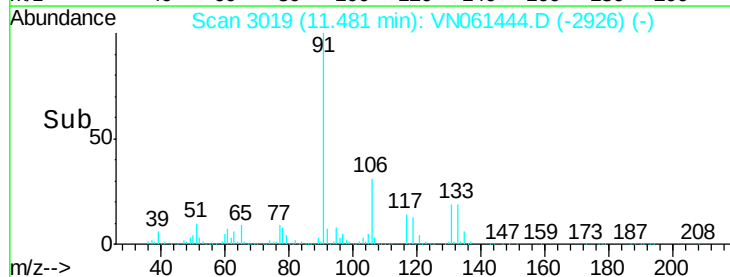
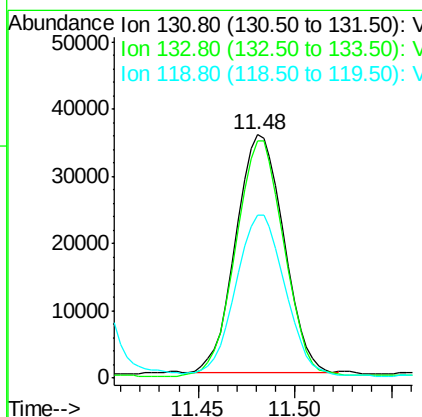
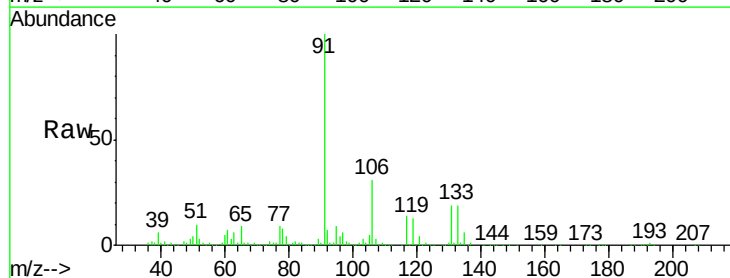
Manual Integrations
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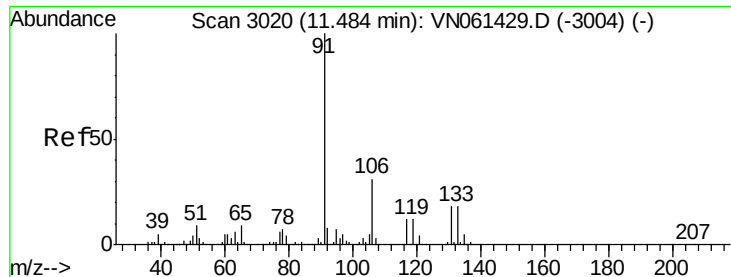
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.011 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion:131 Resp: 61157
Ion Ratio Lower Upper
131 100
133 99.4 48.7 146.1
119 69.0 33.8 101.3





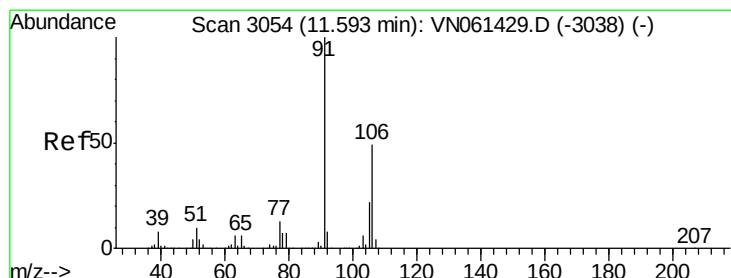
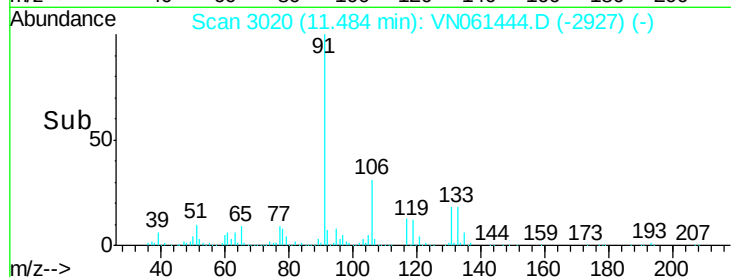
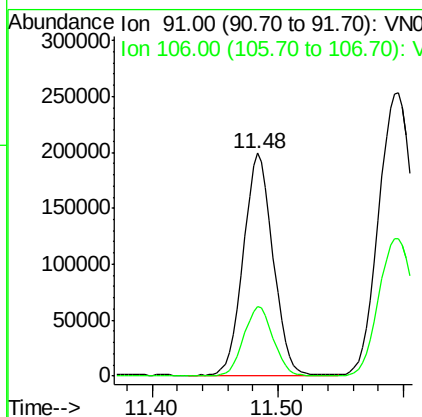
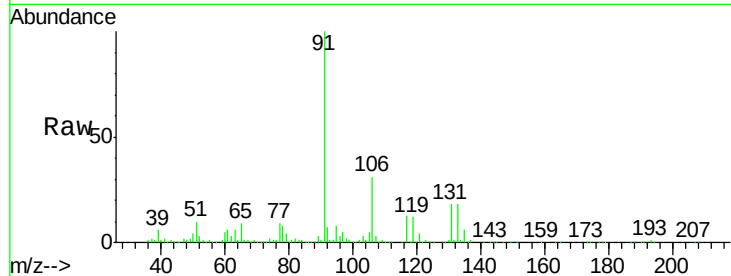
#67
Ethyl Benzene
Concen: 17.749 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.6	36.8

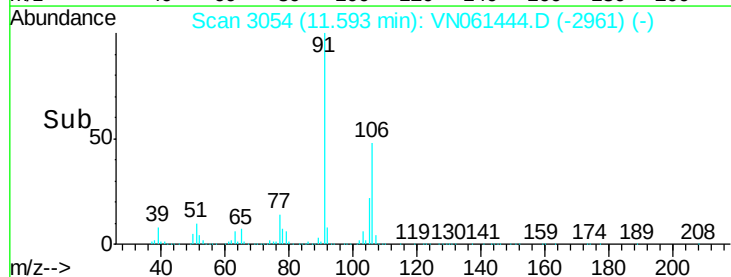
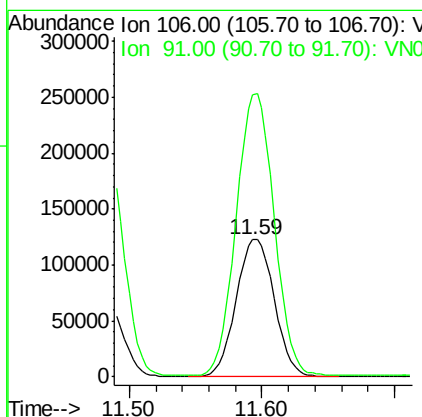
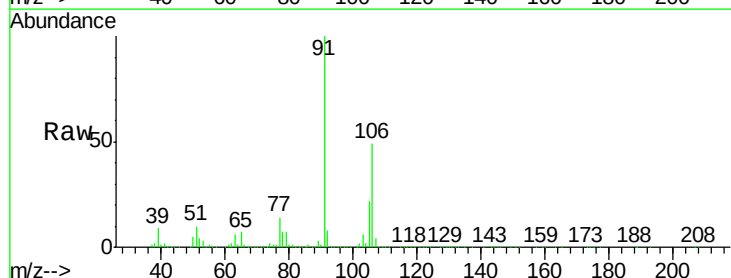
Manual Integrations
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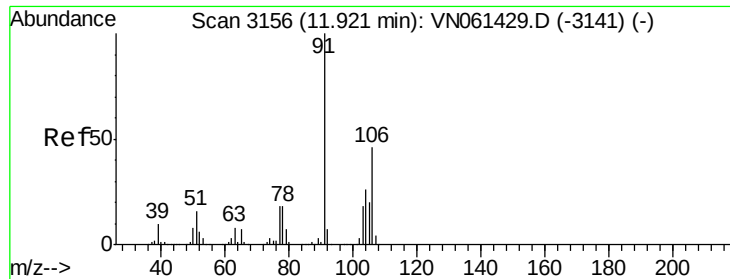
MMDadoda
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#68
m/p-Xylenes
Concen: 35.047 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.3	163.0	244.6





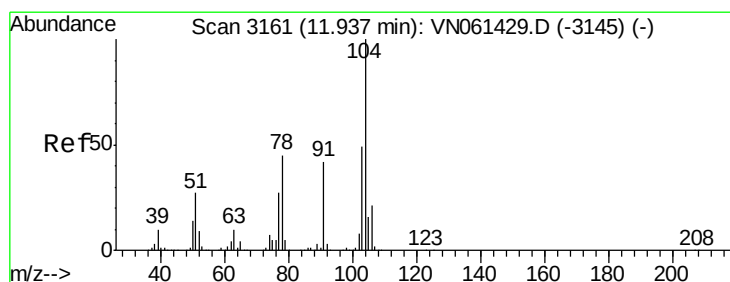
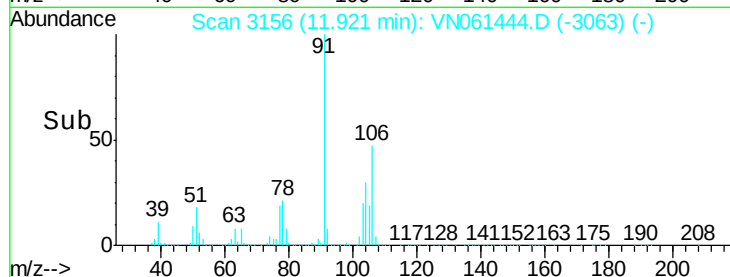
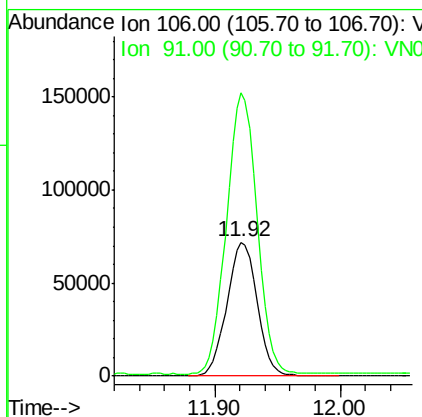
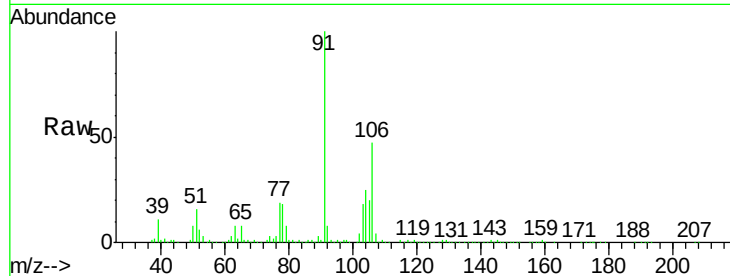
#69
o-Xylene
Concen: 17.760 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :
VN0518WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		119411		
91	213.2	107.9	323.7		

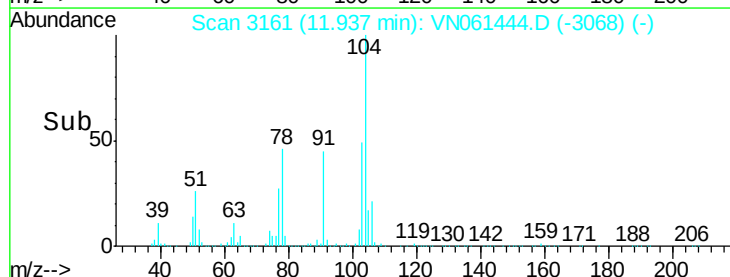
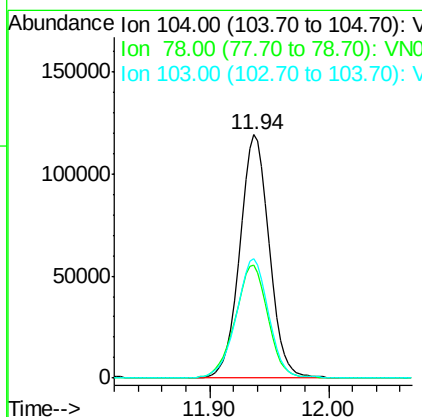
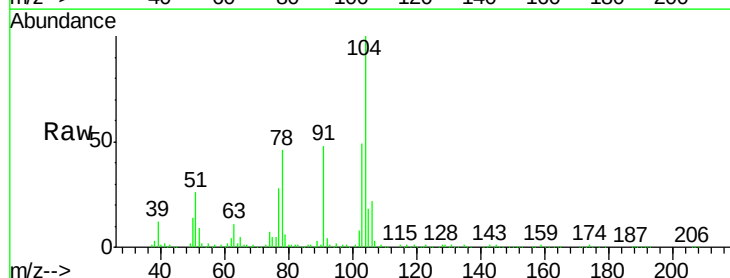
Manual Integrations
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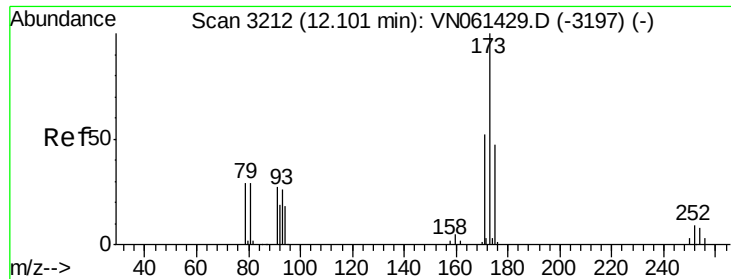
MMDadoda
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#70
Styrene
Concen: 18.205 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		202695		
78	51.4	40.7	61.1		
103	53.9	43.0	64.4		





#71

Bromoform

Concen: 17.078 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

VN0518WBSD01

Tot Ion:173 Resp: 43869

Ion Ratio Lower Upper

173 100

175 46.6 23.9 71.8

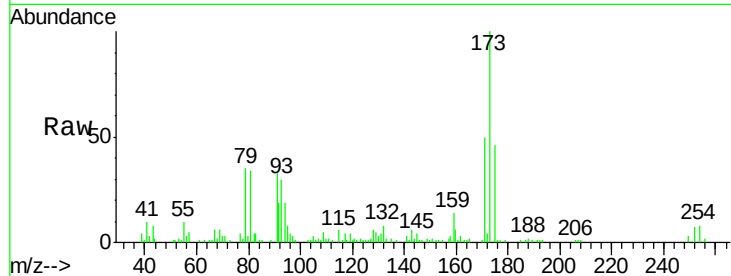
254 0.0 0.0 0.0

Manual Integrations

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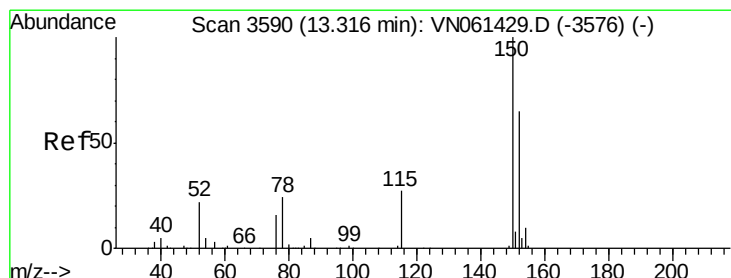
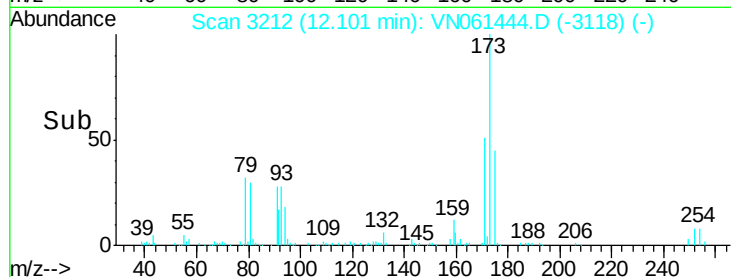
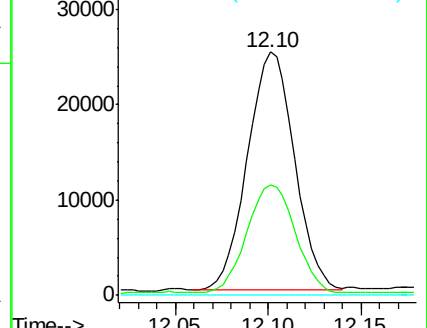
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

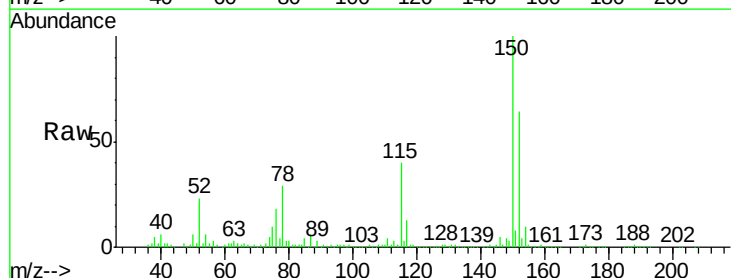
Tgt Ion:152 Resp: 225840

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.5

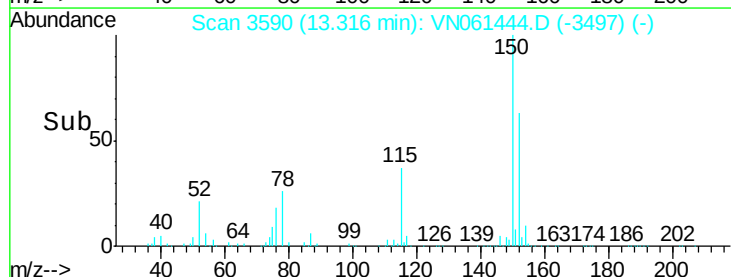
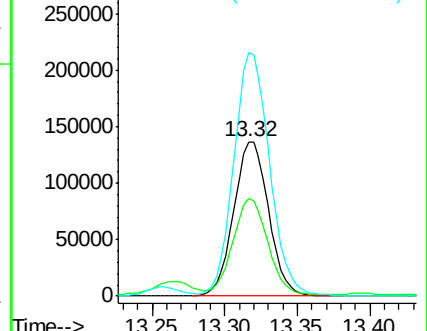
150 163.2 0.0 349.2

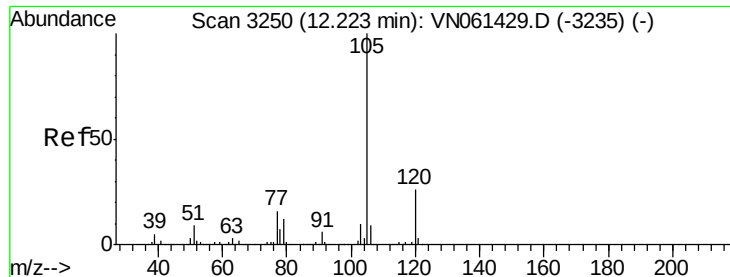


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





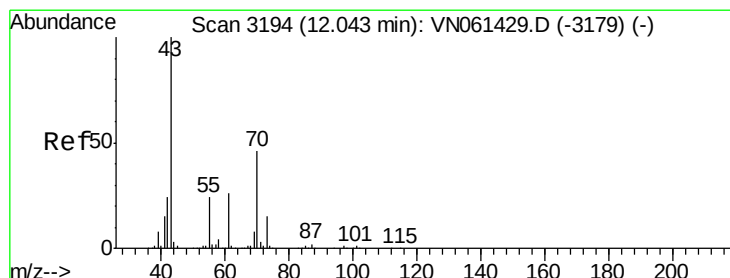
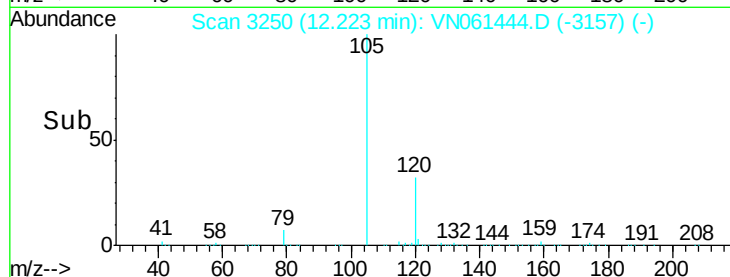
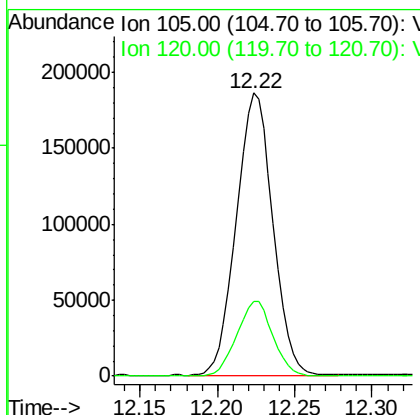
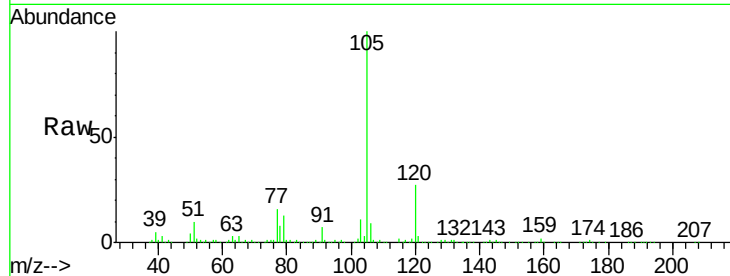
#73
Isopropylbenzene
Concen: 16.750 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0

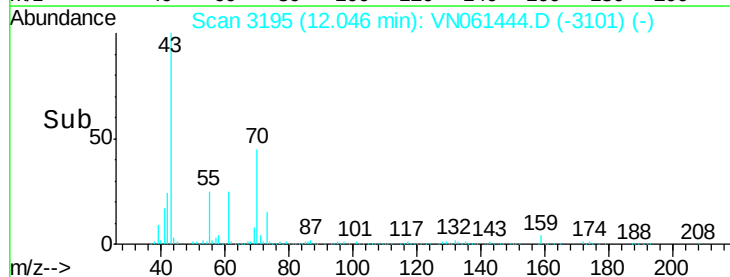
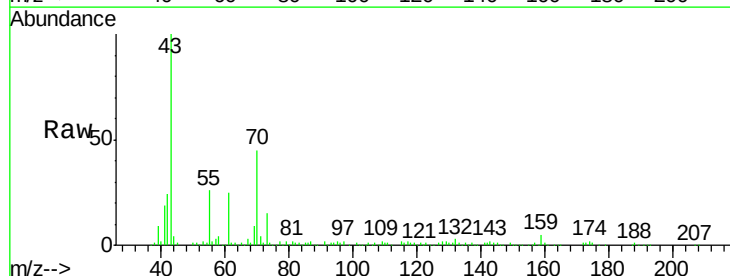
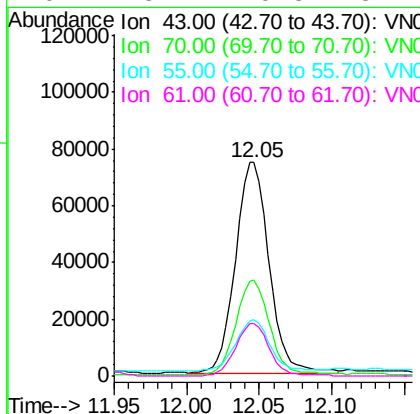
Manual Integrations
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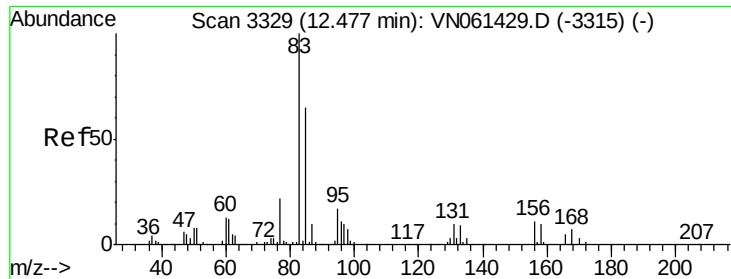
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#74
N-ethyl acetate
Concen: 17.954 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.8	37.0	55.4
55	24.4	19.5	29.3
61	25.2	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.187 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

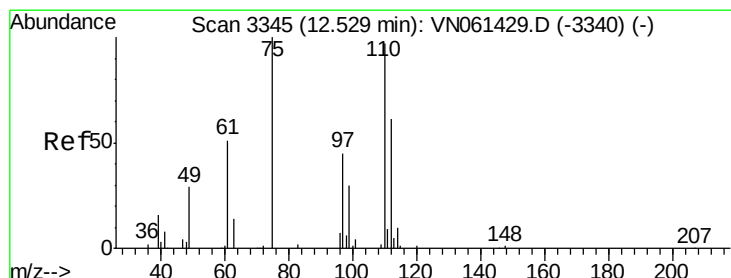
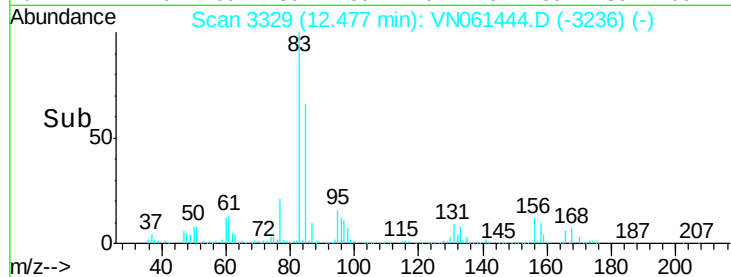
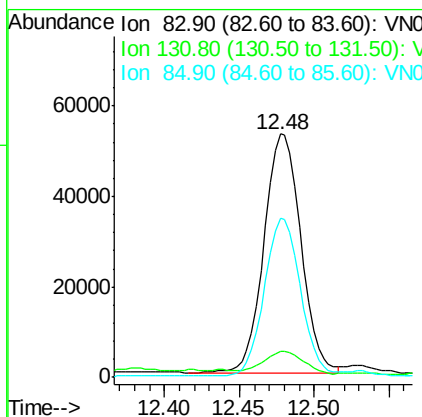
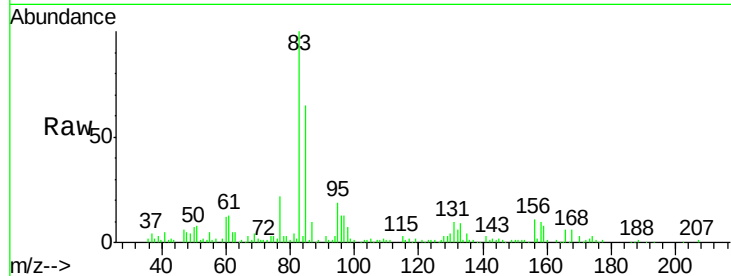
ClientSampleId :

VN0518WBSD01

Tot Ion:	83	Resp:	90719
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.8	14.4
85	64.7	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.382 ug/l m

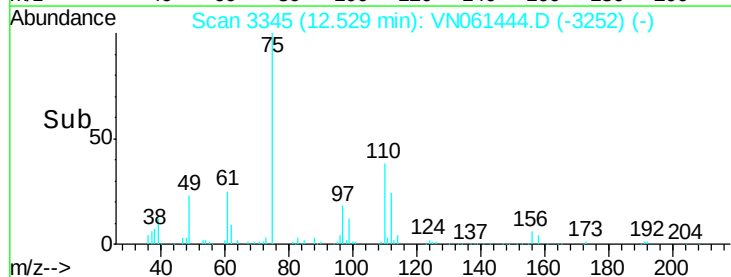
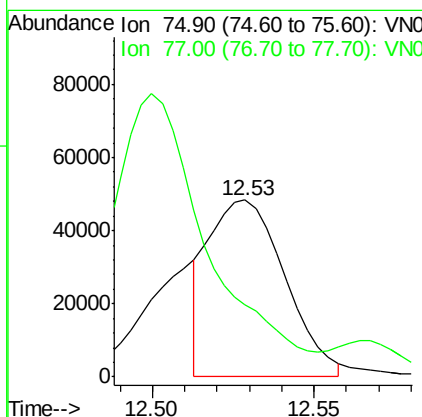
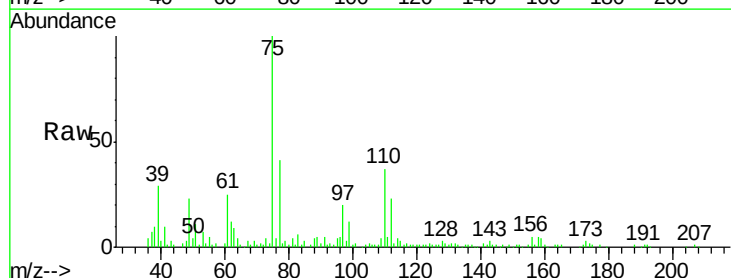
RT: 12.53 min Scan# 3345

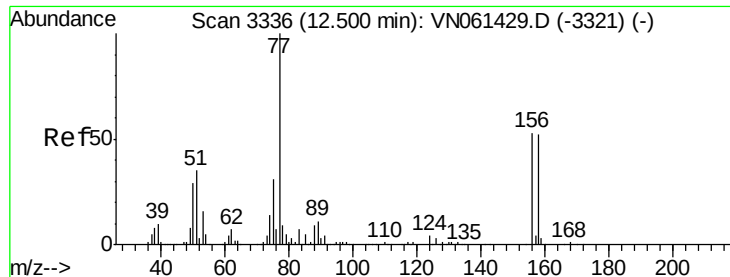
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	75	Resp:	79388
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.840 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD01

Tot Ion:156 Resp: 74130

Ion Ratio Lower Upper

156 100

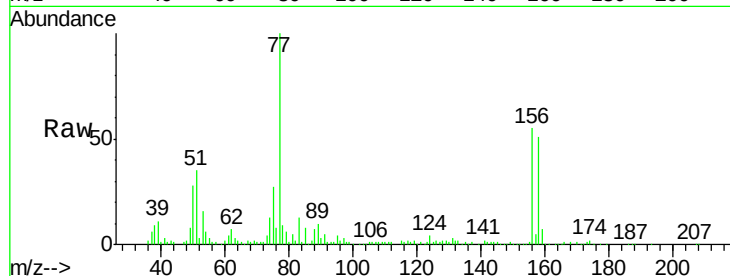
77 211.8 112.3 336.9

158 91.5 47.9 143.6

Manual Integrations
APPROVED

MMDadoda

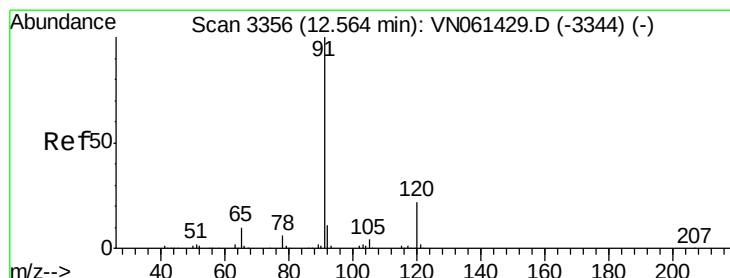
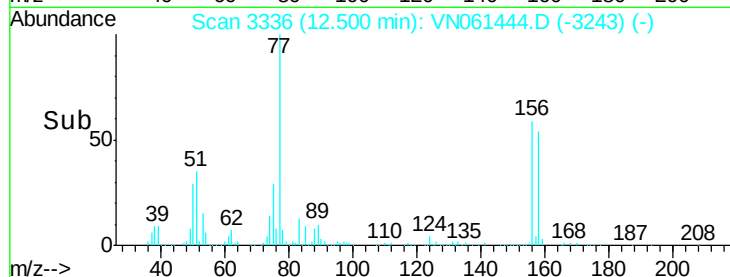
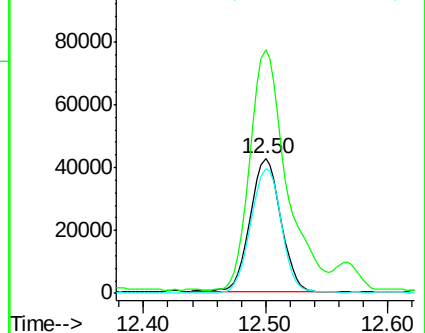
5/19/2020 4:24:56 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.018 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061444.D

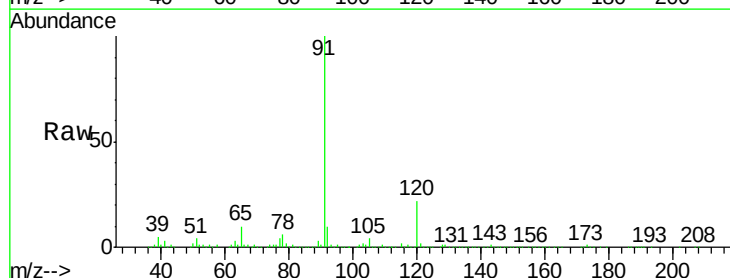
Acq: 18 May 2020 19:00

Tgt Ion: 91 Resp: 351552

Ion Ratio Lower Upper

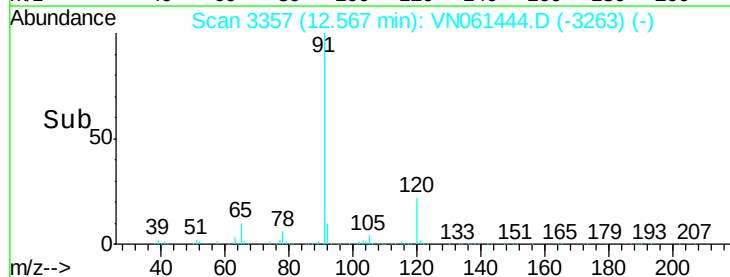
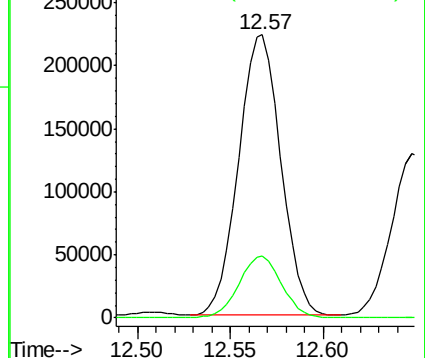
91 100

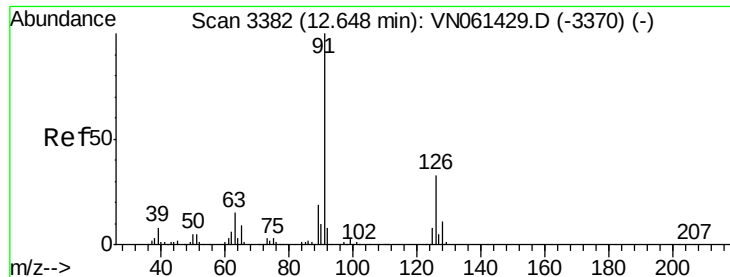
120 21.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.268 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBSD01

Tot Ion: 91 Resp: 210847

Ion Ratio Lower Upper

91 100

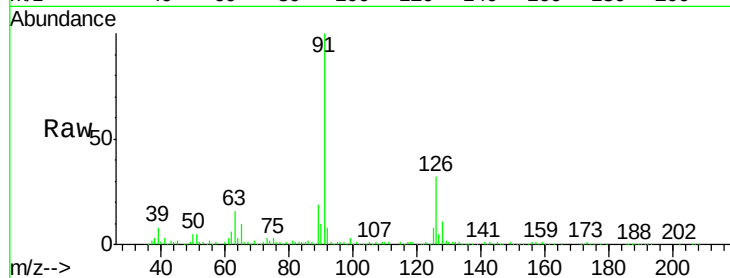
126 32.7 16.3 48.9

Manual Integrations

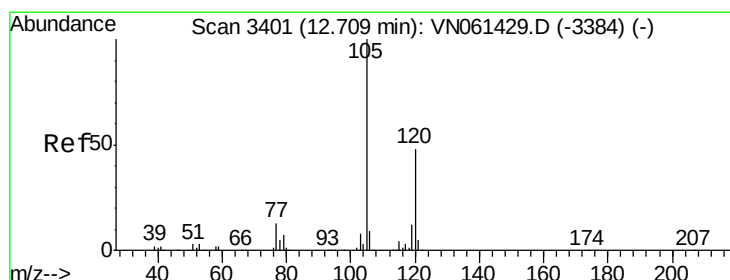
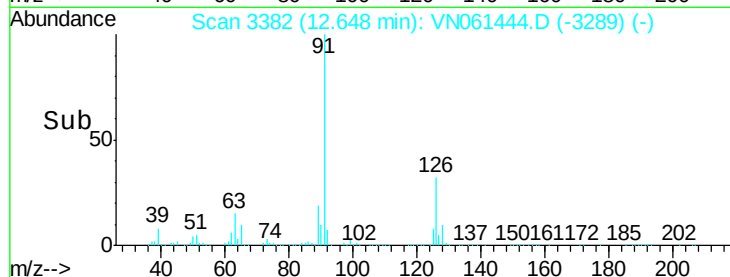
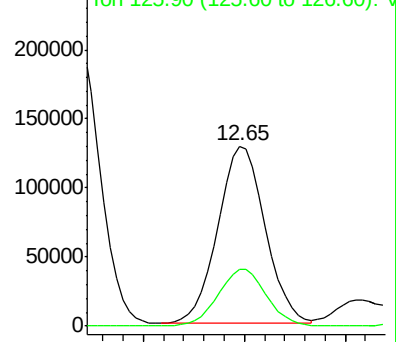
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Abundance Ion 91.00 (90.70 to 91.70): VN061444.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.226 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061444.D

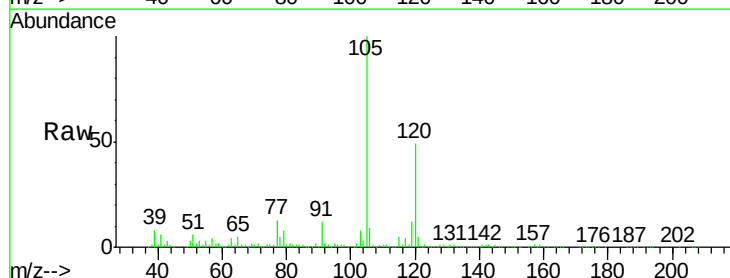
Acq: 18 May 2020 19:00

Tgt Ion: 105 Resp: 255726

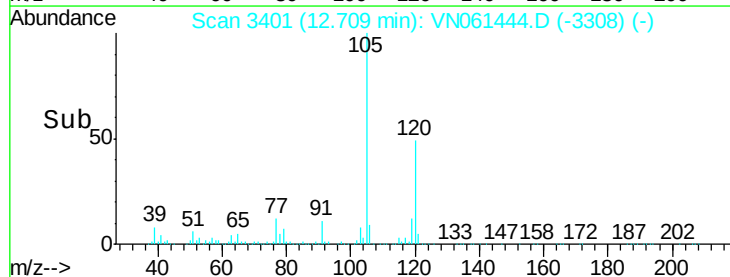
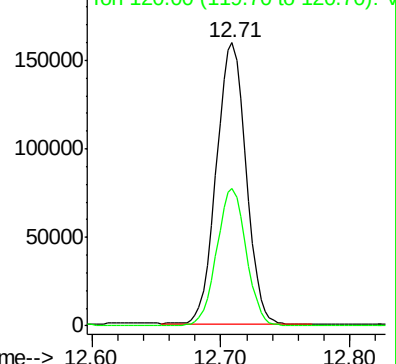
Ion Ratio Lower Upper

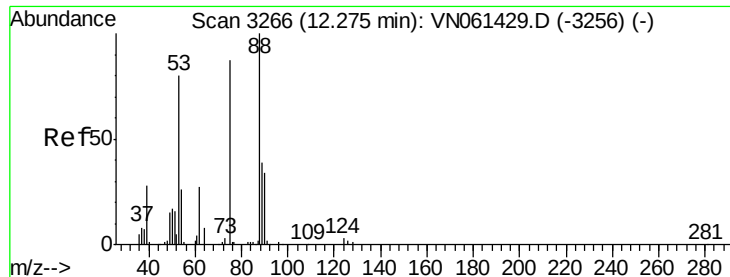
105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061444.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.522 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

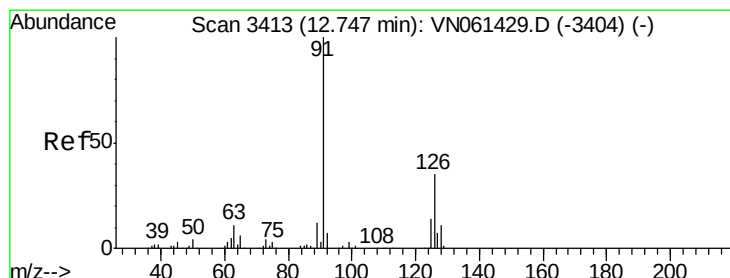
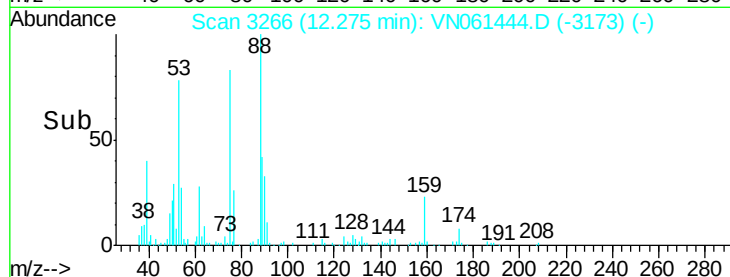
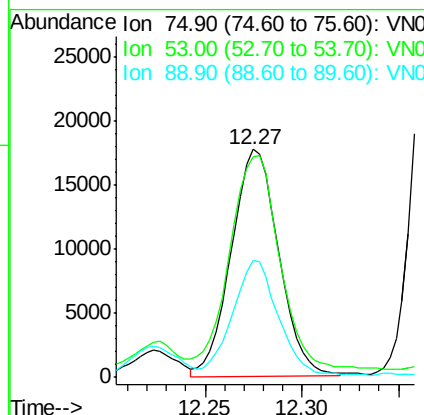
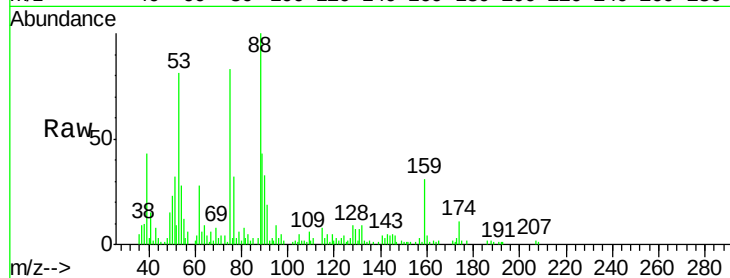
ClientSampleId :

VN0518WBSD01

Tot Ion:	75	Resp:	30181
Ion	Ratio	Lower	Upper
75	100		
53	99.0	75.2	112.8
89	49.2	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.584 ug/l

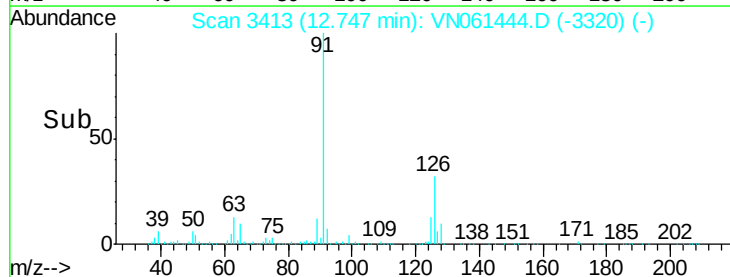
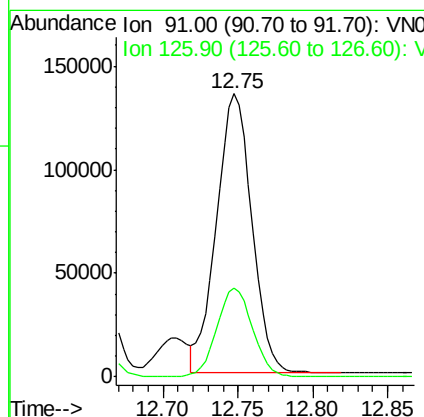
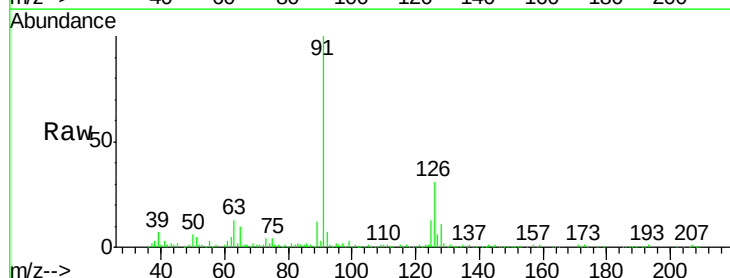
RT: 12.75 min Scan# 3413

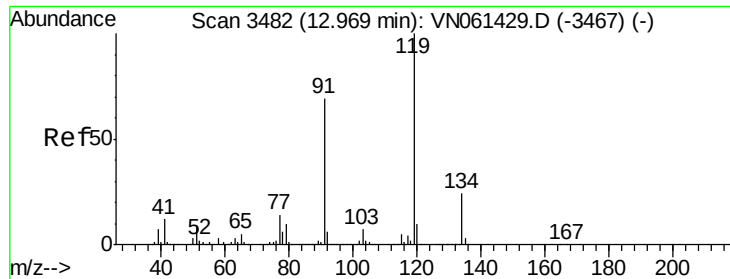
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	91	Resp:	222321
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.2





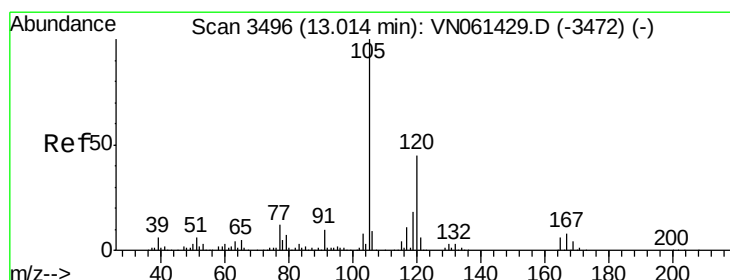
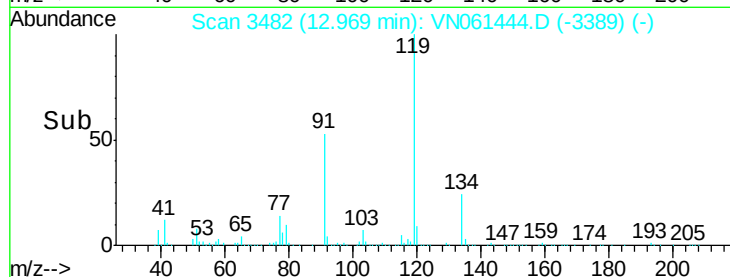
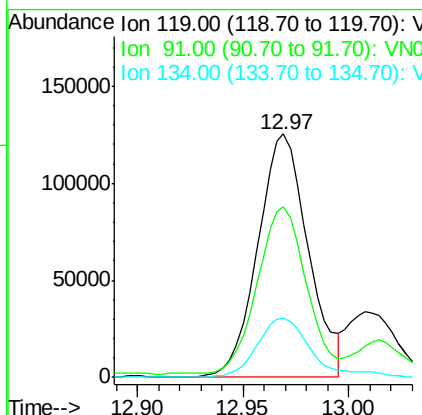
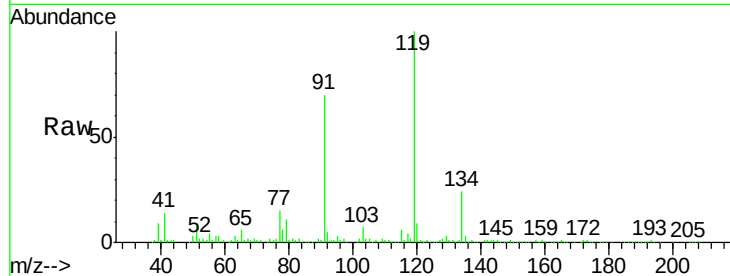
#83
 tert-Butylbenzene
 Concen: 16.292 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207169		
91	67.1		33.7	101.0
134	26.7		12.8	38.3

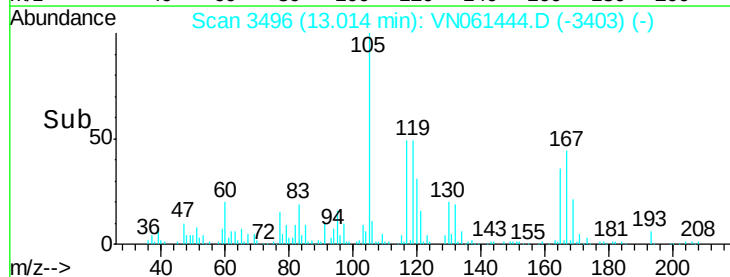
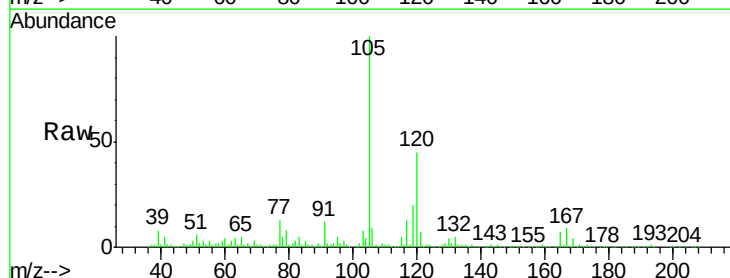
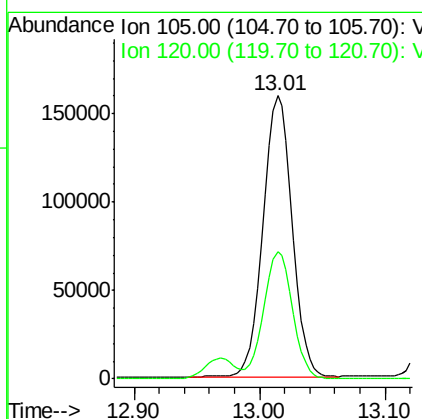
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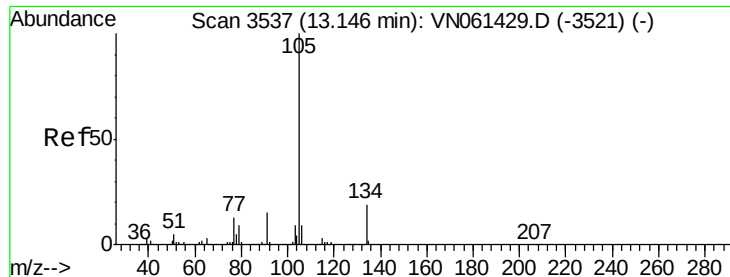
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.402 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258531		
120	44.4		22.4	67.3





#85

sec-Butylbenzene

Concen: 15.916 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

VN0518WBSD01

Tot Ion:105 Resp: 273676

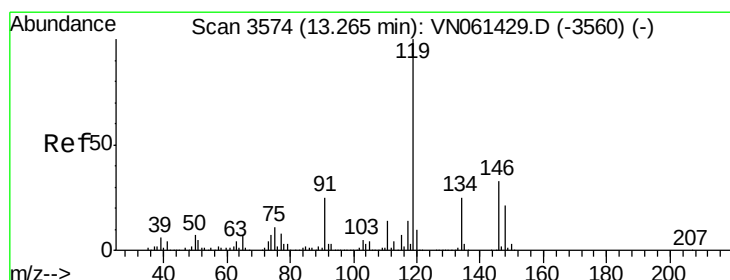
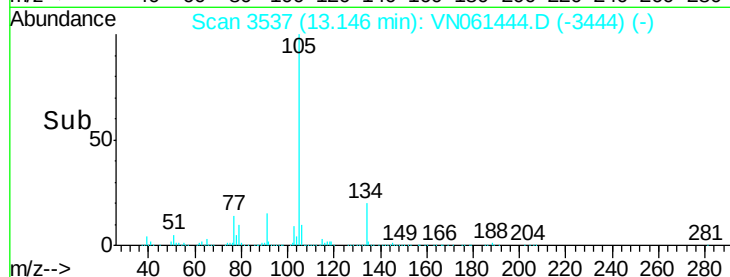
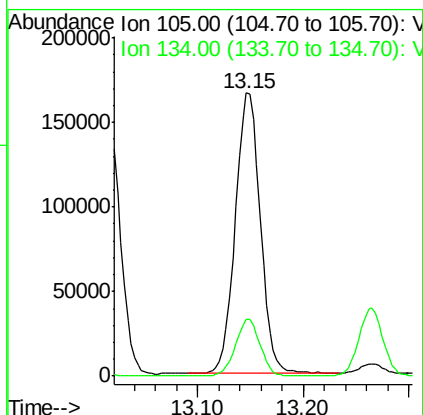
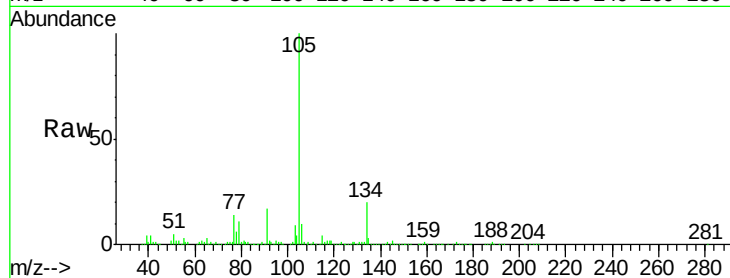
Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 15.857 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

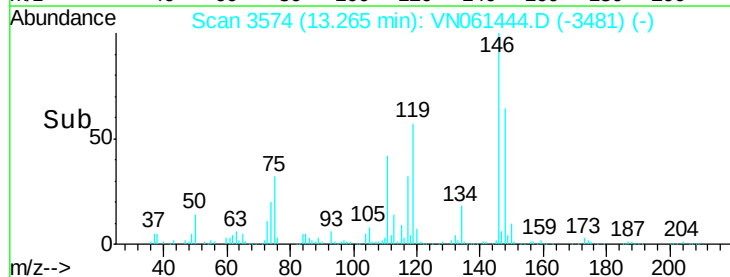
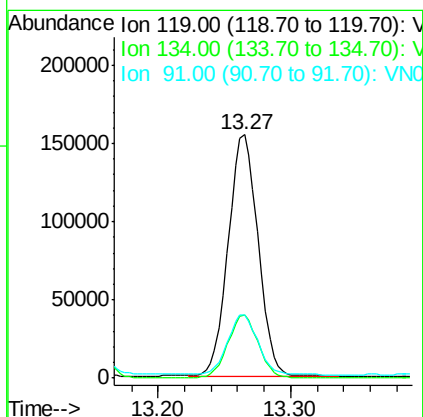
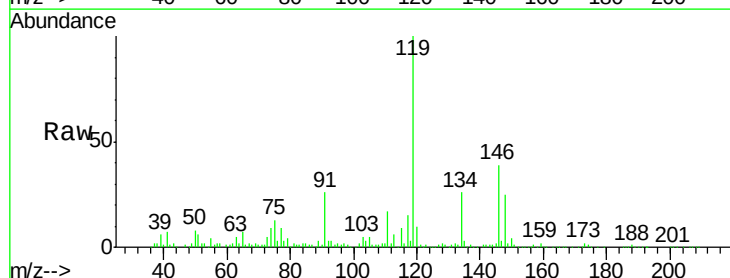
Tgt Ion:119 Resp: 242107

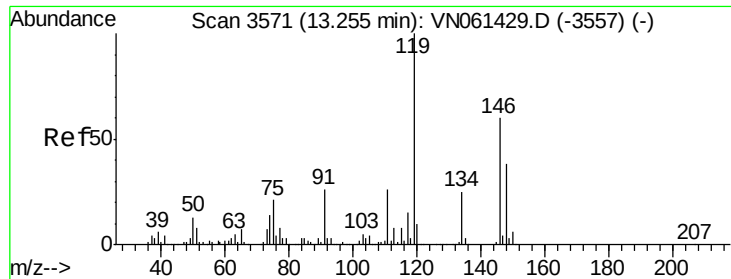
Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.2 12.6 37.6





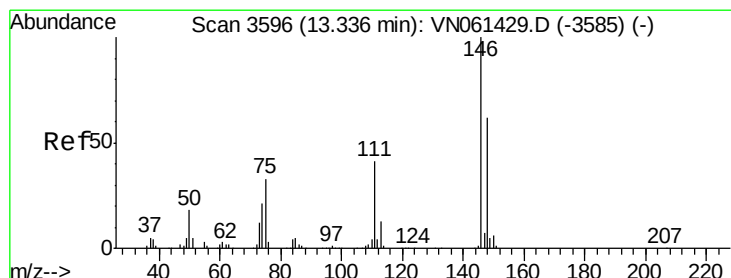
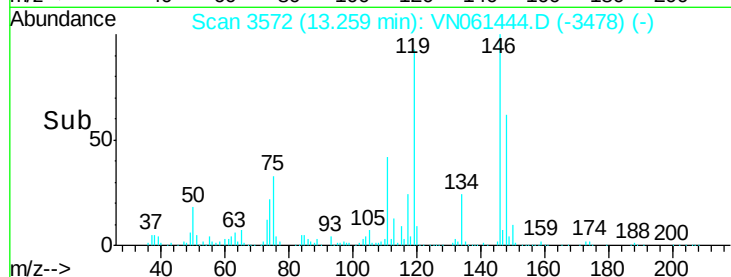
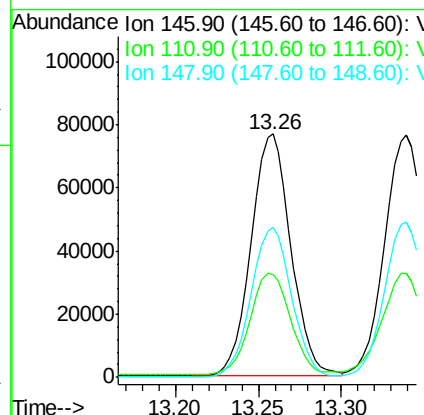
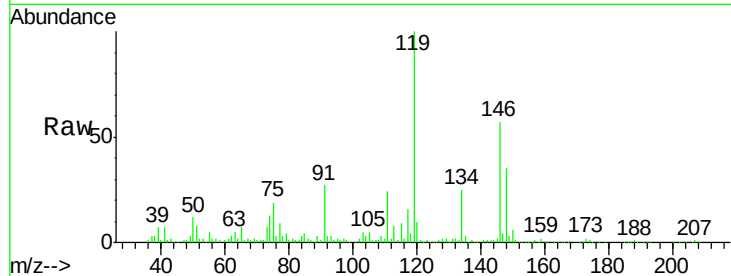
#87
 1,3-Dichlorobenzene
 Concen: 17.731 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.4	31.8	95.3

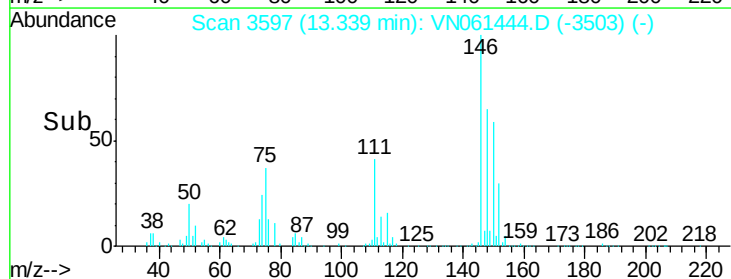
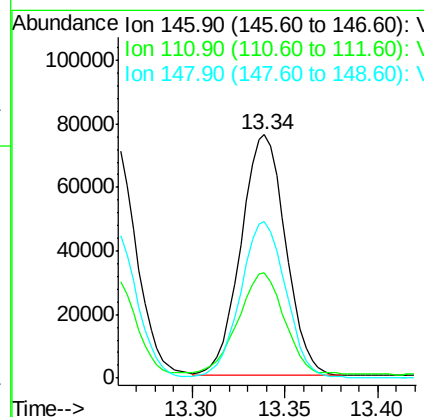
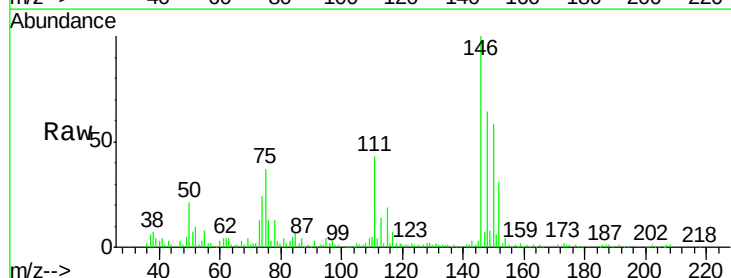
Manual Integrations
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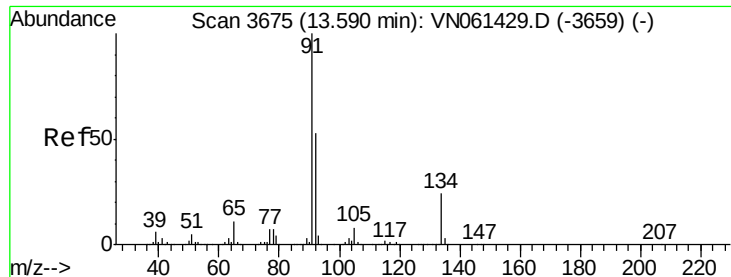
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#88
 1,4-Dichlorobenzene
 Concen: 17.574 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.8	62.5
148	66.0	31.6	94.8





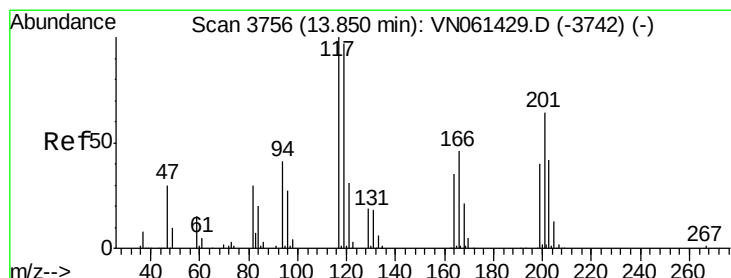
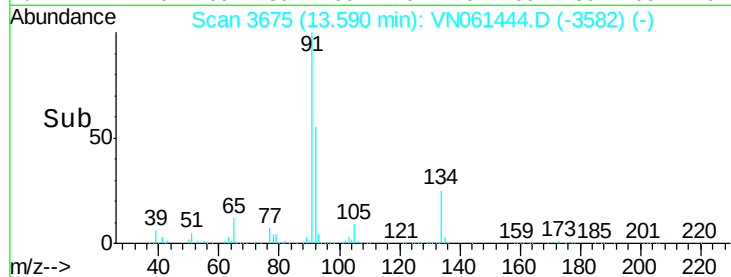
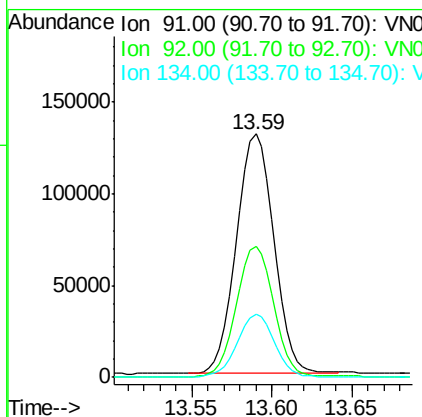
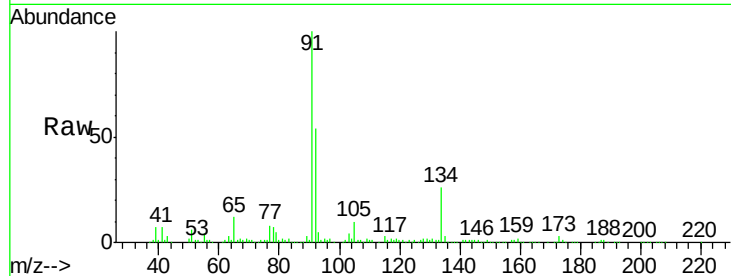
#89
n-Butylbenzene
Concen: 15.059 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	208891		
92	53.7		26.8	80.3
134	25.5		12.4	37.4

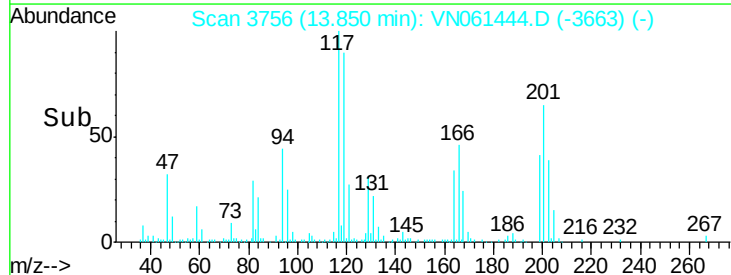
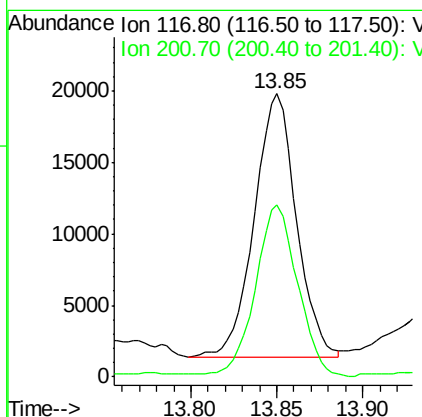
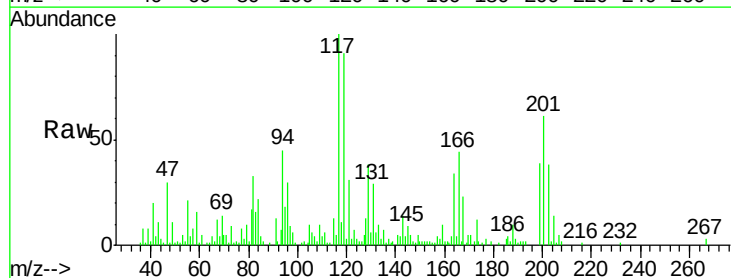
Manual Integrations
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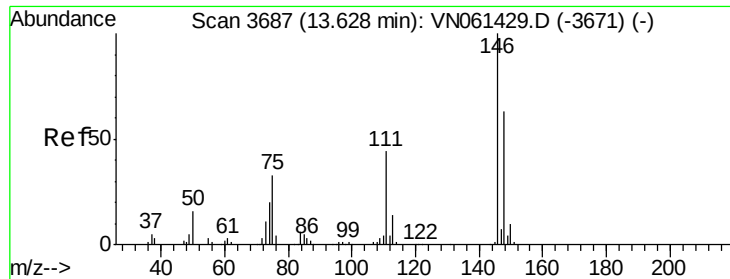
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#90
Hexachloroethane
Concen: 15.069 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31182		
201	66.0		32.9	98.7





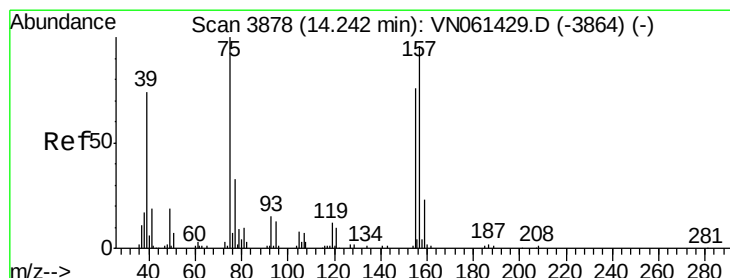
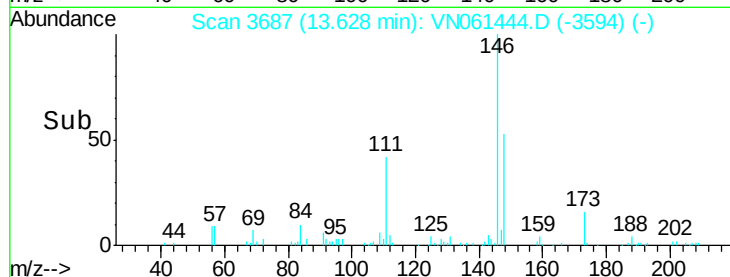
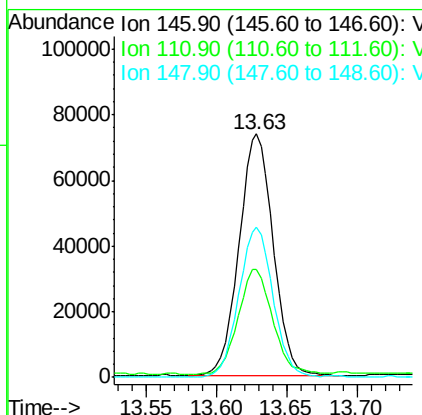
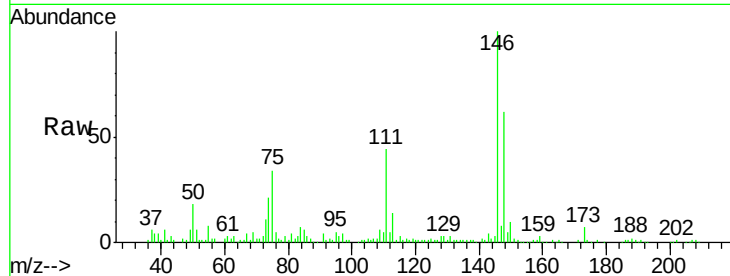
#91
 1,2-Dichlorobenzene
 Concen: 18.009 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124399		
111	43.6	21.9	65.7	
148	62.5	31.6	94.7	

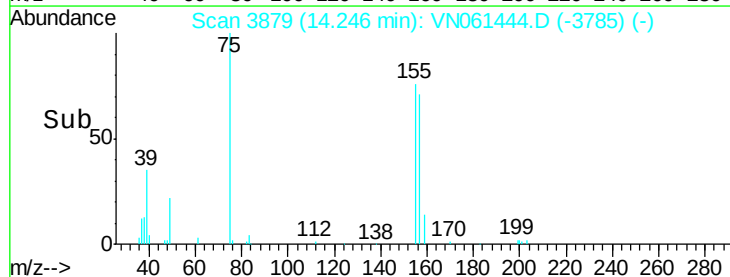
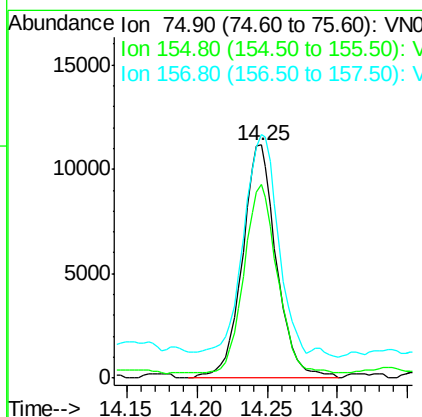
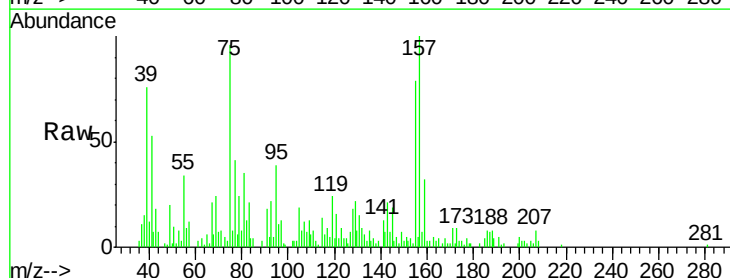
Manual Integrations
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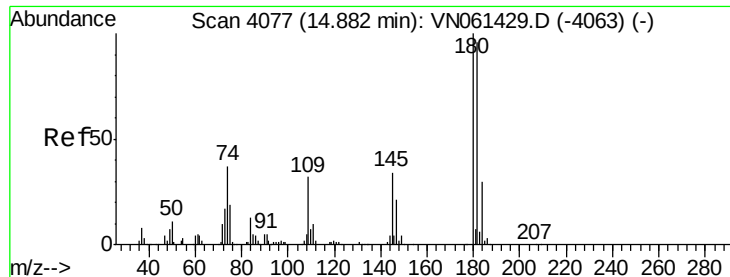
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.778 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18921		
155	78.4	38.9	116.7	
157	93.7	48.6	145.8	





#93

1,2,4-Trichlorobenzene

Concen: 17.285 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

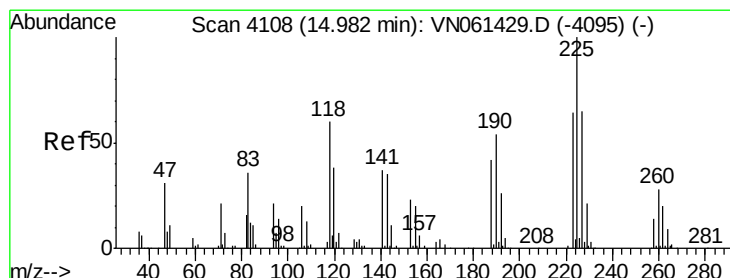
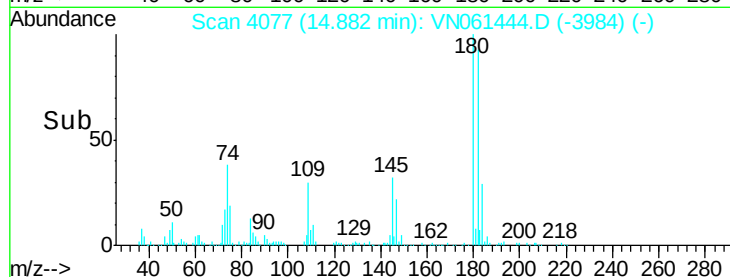
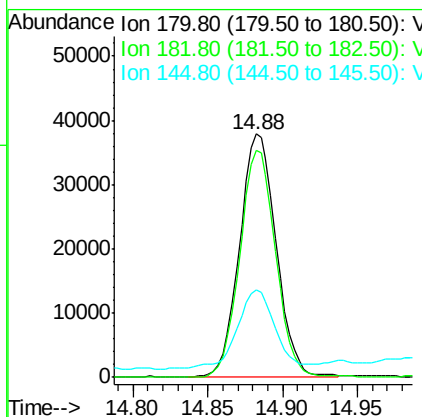
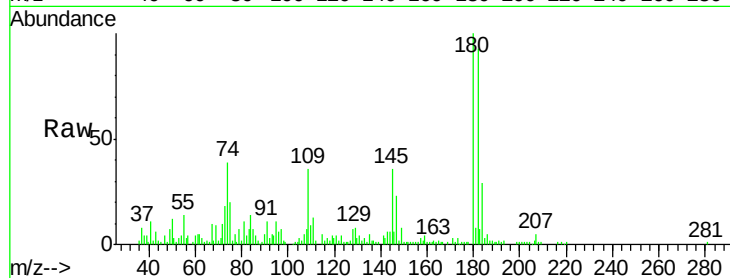
ClientSampleId :

VN0518WBSD01

Tot Ion:	180	Resp:	64740
Ion Ratio	Lower	Upper	
180	100		
182	91.2	47.0	141.0
145	32.2	16.7	50.0

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 12.978 ug/l

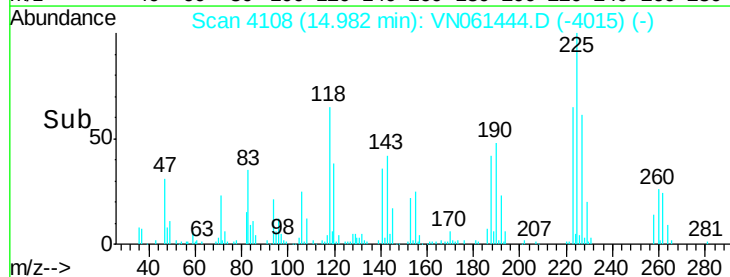
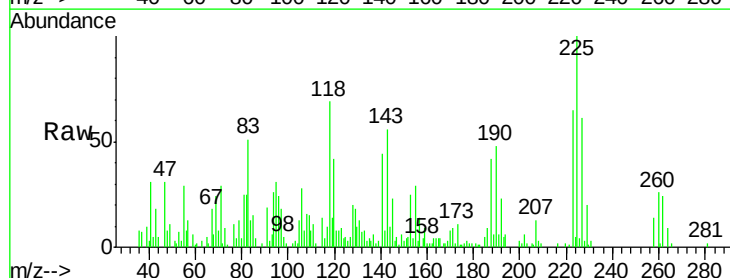
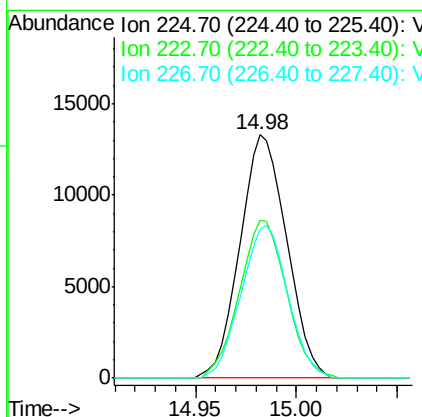
RT: 14.98 min Scan# 4108

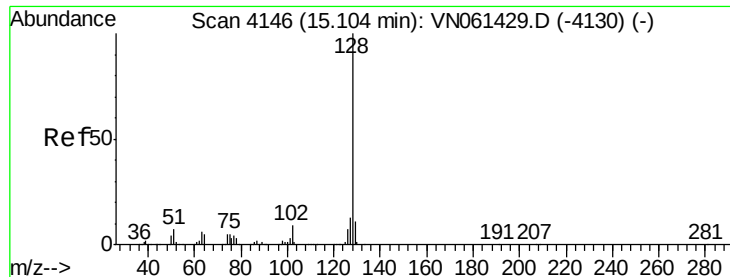
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	225	Resp:	21597
Ion Ratio	Lower	Upper	
225	100		
223	65.1	31.9	95.7
227	62.5	31.5	94.5





#95

Naphthalene

Concen: 19.637 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

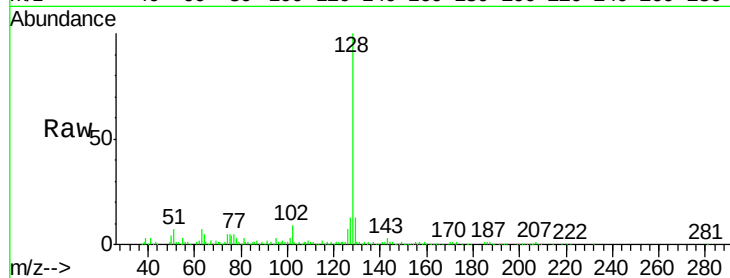
ClientSampleId :

VN0518WBSD01

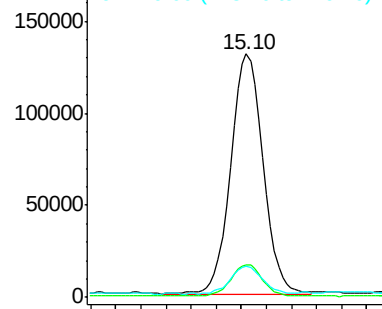
Tot Ion:	128	Resp:	233817
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

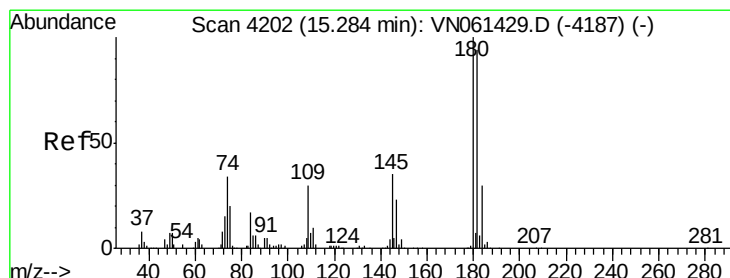
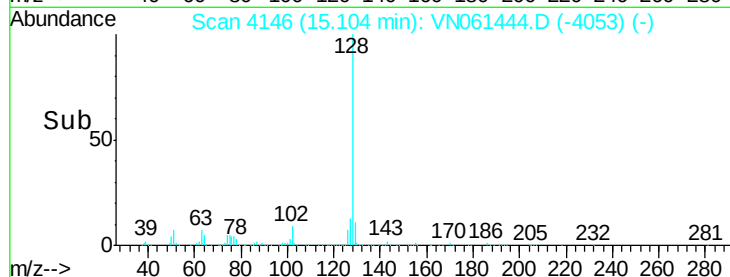
MMDadoda
5/19/2020 4:24:56 PM



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 16.936 ug/l

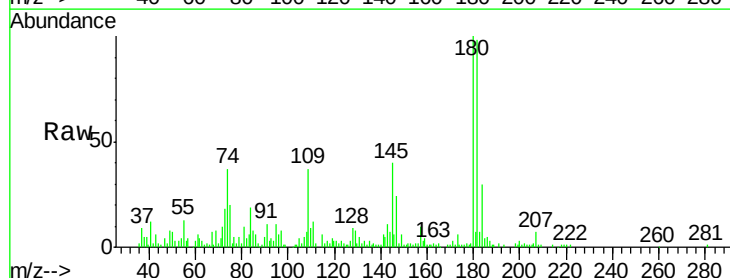
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

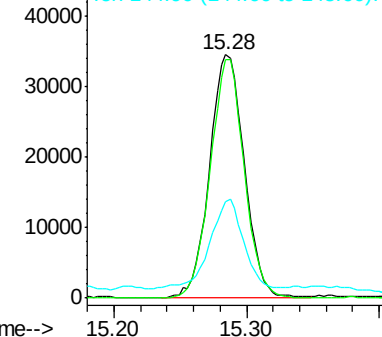
Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:	180	Resp:	63146
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.8	143.3
145	35.3	17.3	51.9



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



Time-->

