

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061729.D
 Acq On : 10 Jun 2020 10:31
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:24 PM

Quant Time: Jun 10 12:16:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.14	128	69266	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.54	114	367708	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	341150	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	130504	22.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	75.03%
60) 4-Bromofluorobenzene	12.37	95	143464	25.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.13%
63) Toluene-d8	10.06	98	442177	28.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	13091	4.224 ug/l	96
3) Chloromethane	2.03	50	15055	2.863 ug/l	97
4) Vinyl Chloride	2.16	62	21408	3.032 ug/l	99
5) Bromomethane	2.54	94	14397	3.843 ug/l	99
6) Chloroethane	2.67	64	16071	3.364 ug/l	99
7) Trichlorofluoromethane	2.98	101	33177	4.139 ug/l	98
8) Diethyl Ether	3.37	74	10219	4.076 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.71	101	19229	5.550 ug/l	97
10) 1,1-Dichloroethene	3.69	96	16923	4.676 ug/l	92
11) Methyl Iodide	3.91	142	20110	4.868 ug/l	98
12) Methyl Acetate	4.27	43	13981	3.402 ug/l	100
13) Acrolein	3.56	56	10048	14.804 ug/l	100
14) Acrylonitrile	4.93	53	35948	18.502 ug/l #	93
15) Acetone	3.77	58	12455	25.659 ug/l	96
16) Carbon Disulfide	4.00	76	27776	2.855 ug/l	97
17) Allyl chloride	4.27	41	18237	2.711 ug/l	93
18) Methylene Chloride	4.50	84	21231	4.873 ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	18183	4.251 ug/l	94
20) Diisopropyl ether	5.89	45	48271	3.092 ug/l	95
21) 1,1-Dichloroethane	5.79	63	32554	3.869 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	23146m	4.667 ug/l	
23) tert-Butyl Alcohol	4.73	59	14325	22.589 ug/l #	100
24) Methyl tert-Butyl Ether	4.98	73	56420	4.014 ug/l #	72
25) Chloroform	7.32	83	38732	4.648 ug/l	94
26) Cyclohexane	7.61	56	19259	2.463 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	23079	3.791 ug/l	99
30) 2-Butanone	6.79	43	44401m	17.820 ug/l	
31) 2,2-Dichloropropane	6.77	77	31119	4.367 ug/l #	76
32) 1,1,1-Trichloroethane	7.52	97	33329	4.784 ug/l	98
33) Carbon Tetrachloride	7.73	117	24783	4.589 ug/l	94
34) Benzene	8.00	78	76614	4.388 ug/l #	74
35) Methacrylonitrile	7.12	41	8476	3.541 ug/l #	78
36) 1,2-Dichloroethane	8.08	62	26983	4.150 ug/l	97
37) Trichloroethene	8.80	130	24454	5.437 ug/l	94
38) Methylcyclohexane	9.04	83	22824	3.152 ug/l	96
39) 1,2-Dichloropropane	9.08	63	19796	4.239 ug/l	99
40) Dibromomethane	9.17	93	14180	4.724 ug/l	97

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 Acq On : 10 Jun 2020 10:31
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 6/11/2020 12:44:24 PM

Quant Time: Jun 10 12:16:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.36	83	29030	4.530	ug/l	98
42) Vinyl Acetate	5.84	43	174042	14.896	ug/l	98
43) Ethyl Acetate	6.88	43	17011	3.303	ug/l #	86
44) Isopropyl Acetate	8.12	43	31519	3.104	ug/l #	90
45) 1,4-Dioxane	9.16	88	6508	137.911	ug/l	91
46) Methyl methacrylate	9.16	41	13629	2.889	ug/l	98
47) n-amyl Acetate	12.05	43	23795	2.653	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	28233	3.822	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	32048	4.057	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	21718	5.211	ug/l	98
51) Ethyl methacrylate	10.40	69	23239	3.405	ug/l	99
52) 1,3-Dichloropropane	10.68	76	33576	4.550	ug/l	100
53) Dibromochloromethane	10.87	129	24128	5.217	ug/l	98
54) 1,2-Dibromoethane	10.98	107	21392	4.962	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	39899	13.537	ug/l	99
56) Bromoform	12.10	173	15739	5.324	ug/l #	94
58) 4-Methyl-2-Pentanone	9.95	43	88814	15.820	ug/l	99
59) 2-Hexanone	10.72	43	63919	16.071	ug/l	99
61) Tetrachloroethene	10.60	164	25317	5.736	ug/l	87
62) Toluene	10.12	91	89645	4.685	ug/l	99
64) Chlorobenzene	11.40	112	58453	5.097	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	22552	5.351	ug/l	99
66) Ethyl Benzene	11.48	91	95342	4.388	ug/l	99
67) m/p-Xylenes	11.59	106	73571	9.043	ug/l	96
68) o-Xylene	11.92	106	33804	4.368	ug/l	96
69) Styrene	11.94	104	56445	4.249	ug/l	100
70) Isopropylbenzene	12.22	105	92886	4.442	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	27339	4.789	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	24225m	4.492	ug/l	
73) Bromobenzene	12.50	156	25515	5.603	ug/l	98
74) n-propylbenzene	12.56	91	106415	4.311	ug/l	99
75) 2-Chlorotoluene	12.65	91	64062	4.528	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	76999	4.394	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	7035	3.159	ug/l	99
78) 4-Chlorotoluene	12.75	91	65067	4.382	ug/l	99
79) tert-butylbenzene	12.97	119	68117	4.669	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	76130	4.334	ug/l	99
81) sec-Butylbenzene	13.15	105	86700	4.343	ug/l	100
82) p-Isopropyltoluene	13.26	119	78177	4.328	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	46887	5.571	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	44727	5.400	ug/l	99
85) n-Butylbenzene	13.59	91	64399	3.927	ug/l	98
86) Hexachloroethane	13.85	117	11847	4.753	ug/l	91
87) 1,2-Dichlorobenzene	13.63	146	44672	5.605	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	4828	4.090	ug/l	91
89) 1,2,4-Trichlorobenzene	14.89	180	22809	5.024	ug/l	98
90) Hexachlorobutadiene	14.99	225	11621	6.112	ug/l	95
91) Naphthalene	15.10	128	61202	4.375	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	23409	5.266	ug/l	97

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

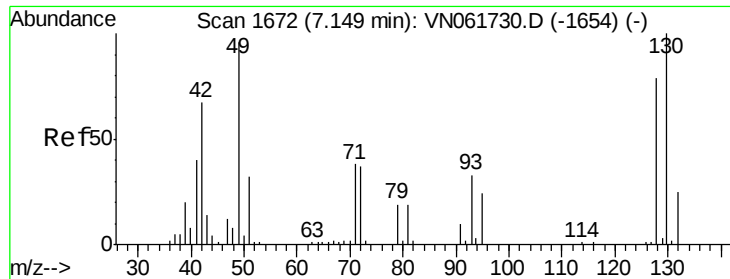
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 10 11:59:42 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



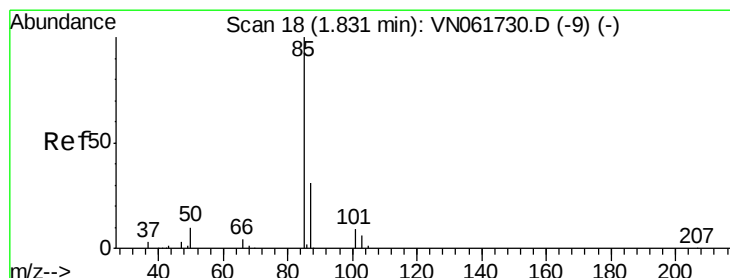
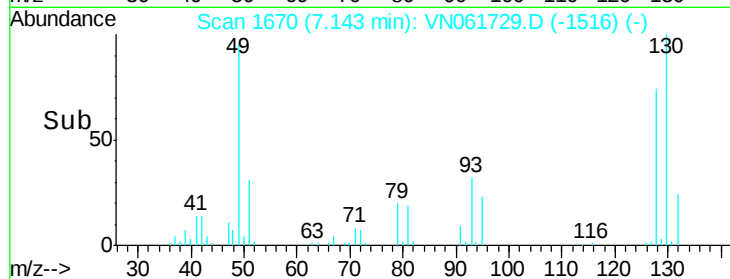
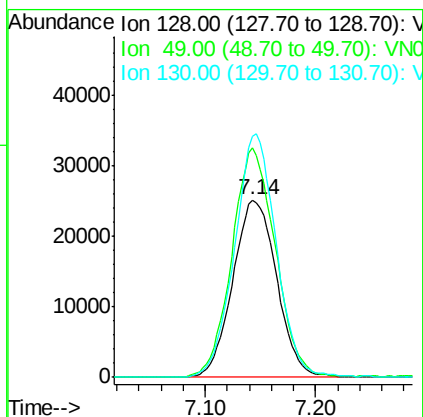
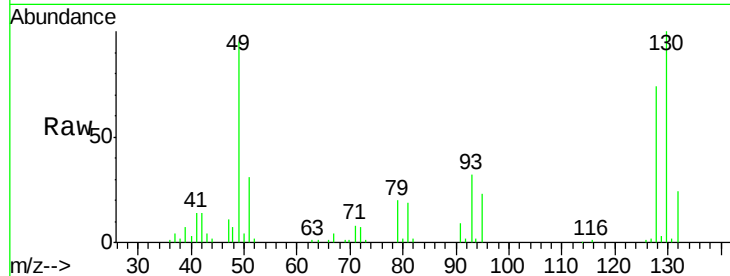
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.14 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	128.2	0.0	312.3
130	130.1	0.0	328.7

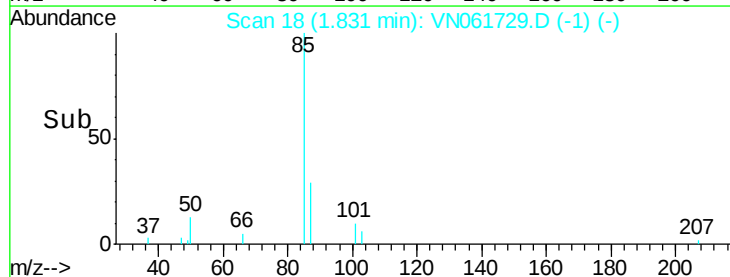
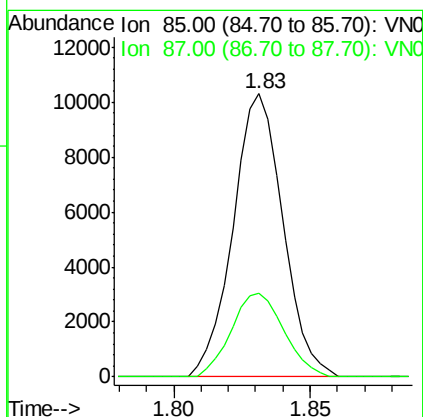
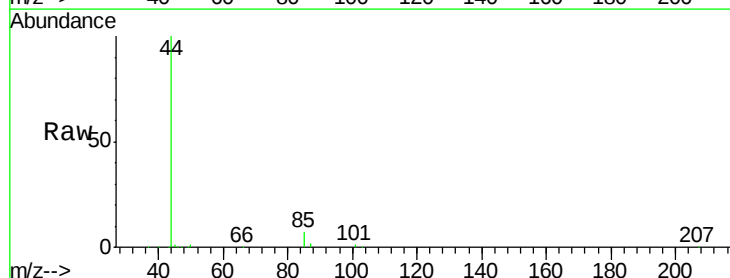
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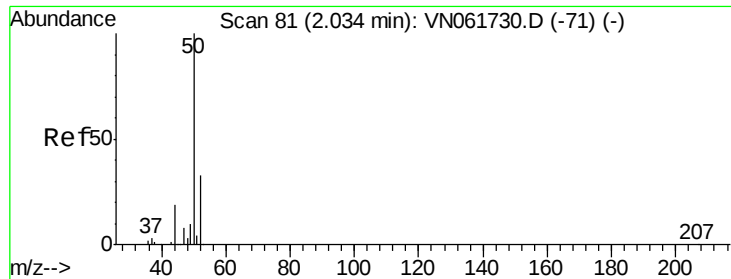
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#2
 Dichlorodifluoromethane
 Concen: 4.224 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.5	15.7	47.1





#3

Chloromethane

Concen: 2.863 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 15055

Ion Ratio Lower Upper

50 100

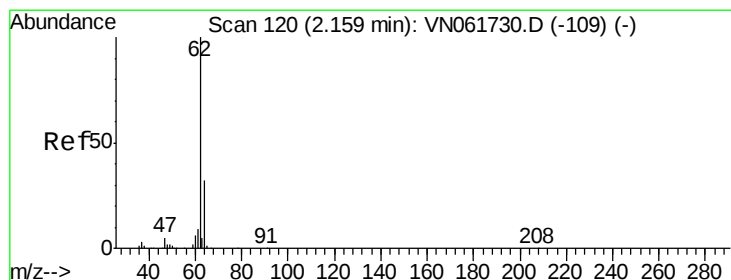
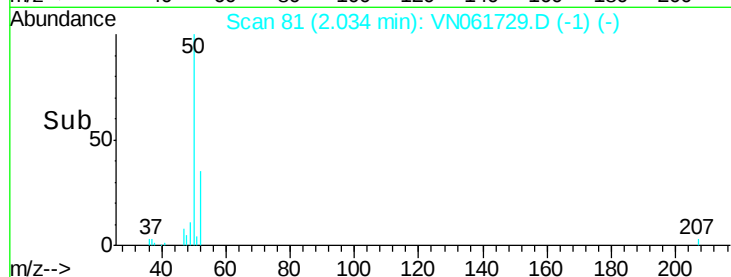
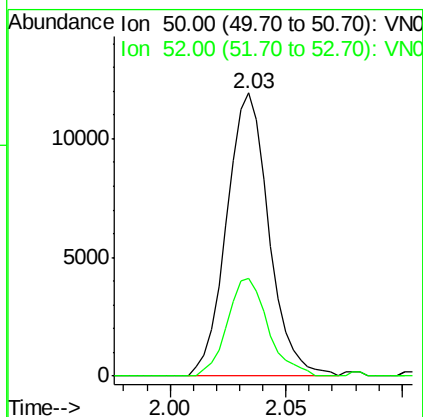
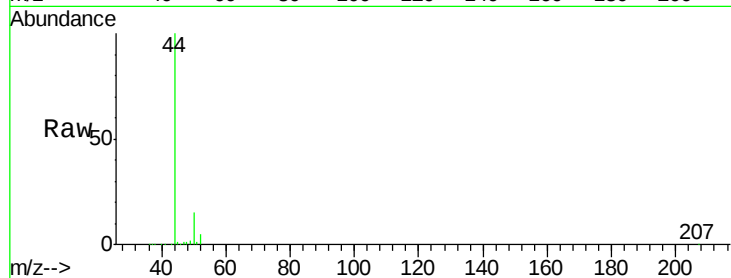
52 34.5 26.2 39.2

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#4

Vinyl Chloride

Concen: 3.032 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061729.D

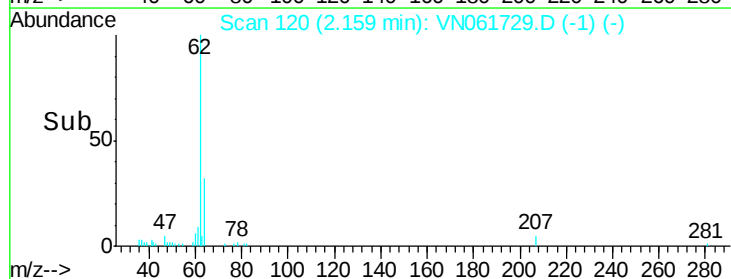
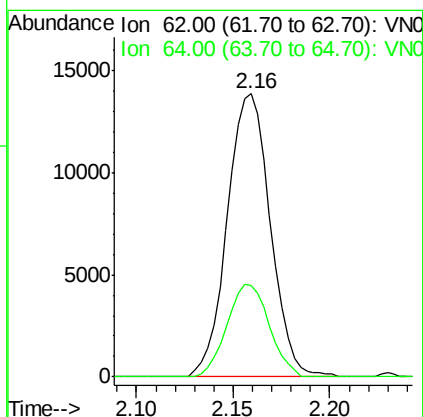
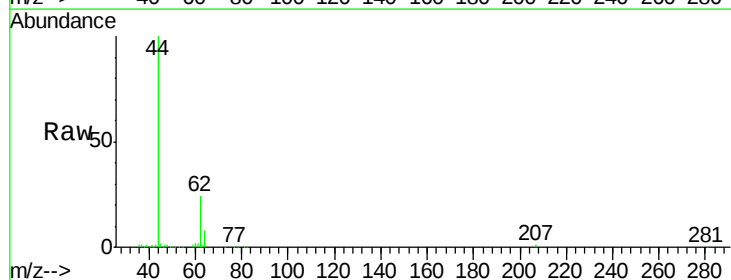
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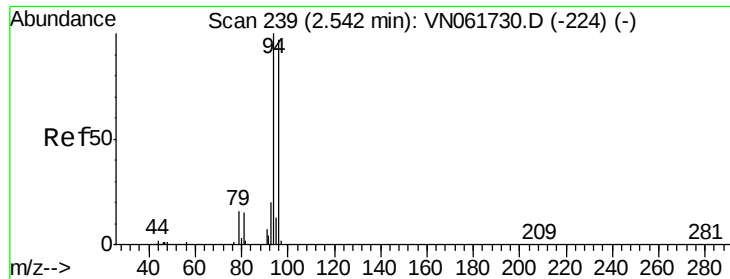
Tgt Ion: 62 Resp: 21408

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 3.843 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14397

Ion Ratio Lower Upper

94 100

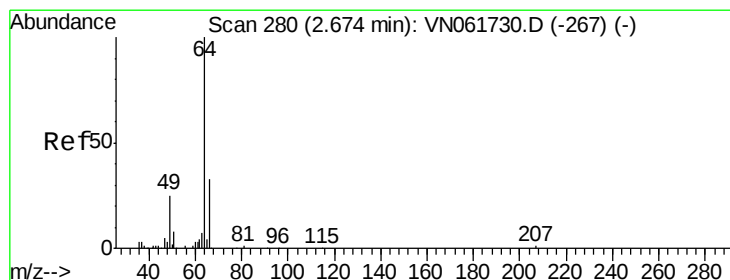
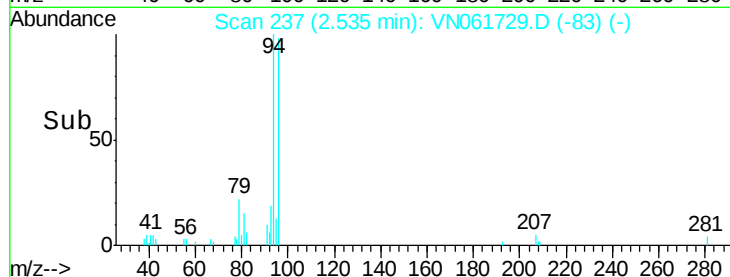
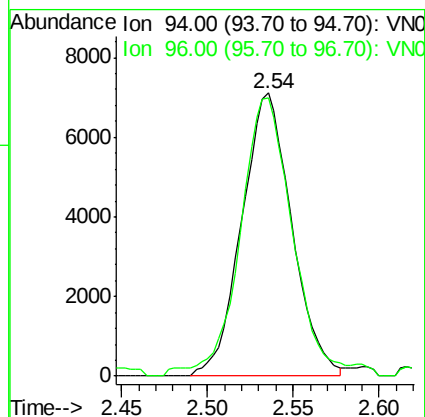
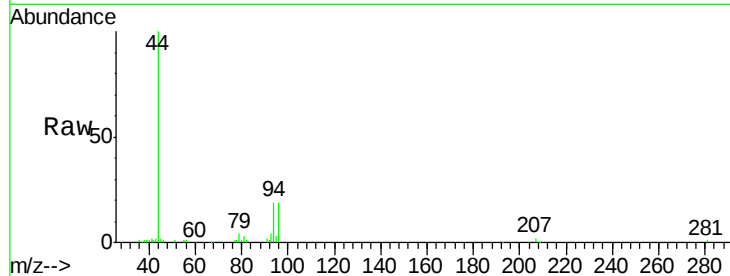
96 95.4 77.4 116.2

Manual Integrations

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#6

Chloroethane

Concen: 3.364 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061729.D

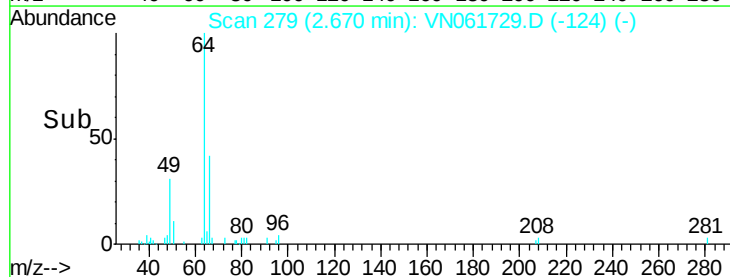
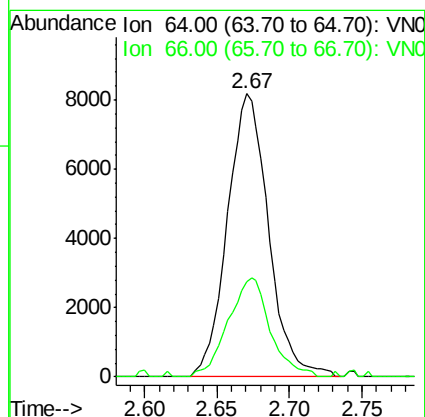
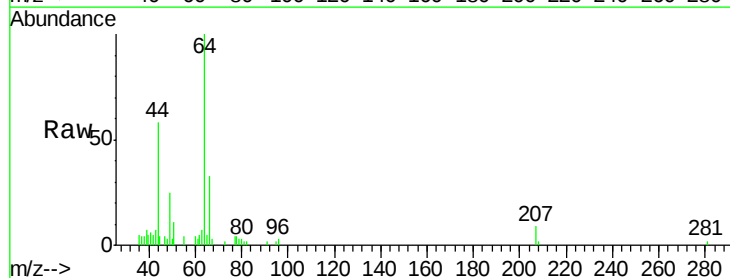
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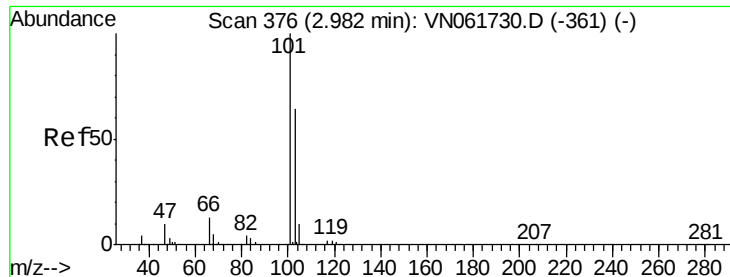
Tgt Ion: 64 Resp: 16071

Ion Ratio Lower Upper

64 100

66 33.5 26.6 39.8





#7

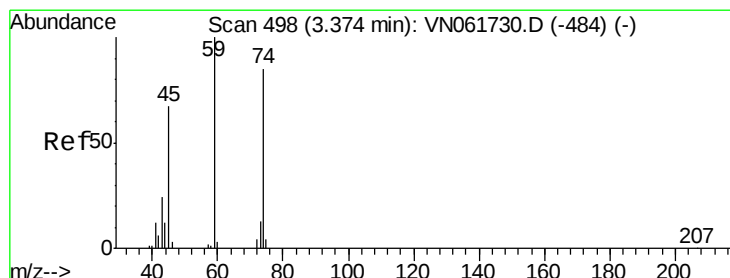
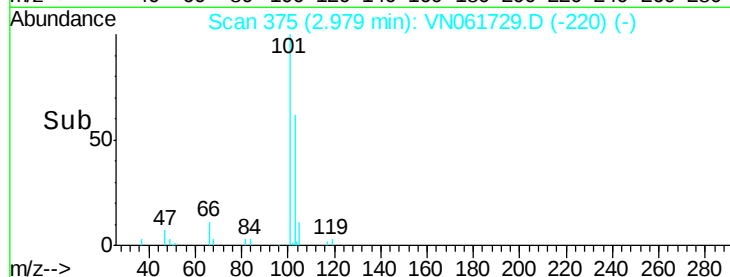
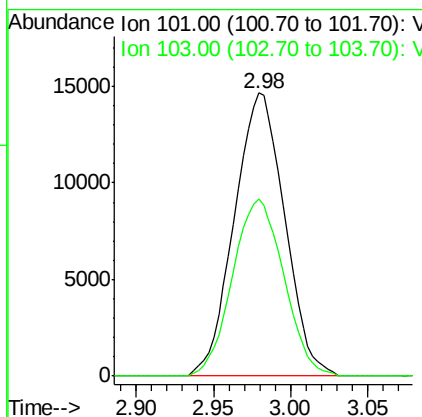
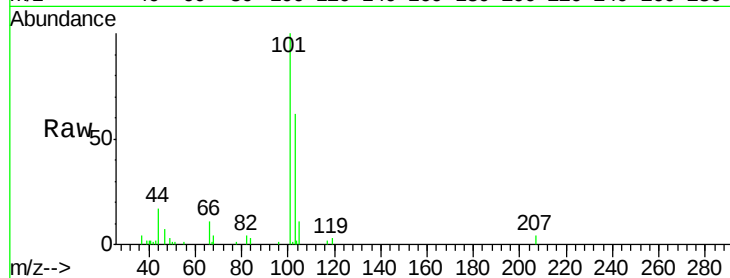
Trichlorofluoromethane
Concen: 4.139 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.1	76.7

Manual Integrations
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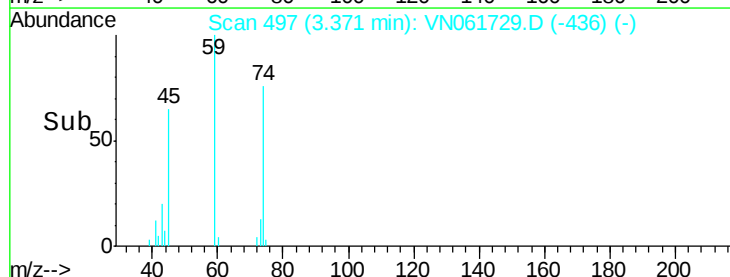
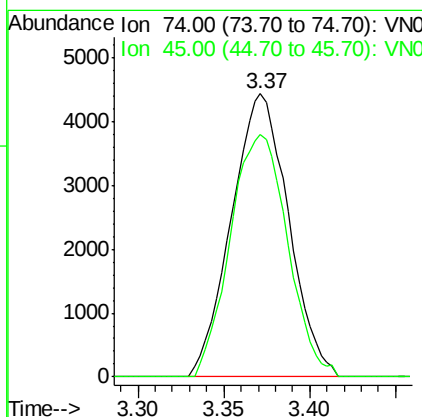
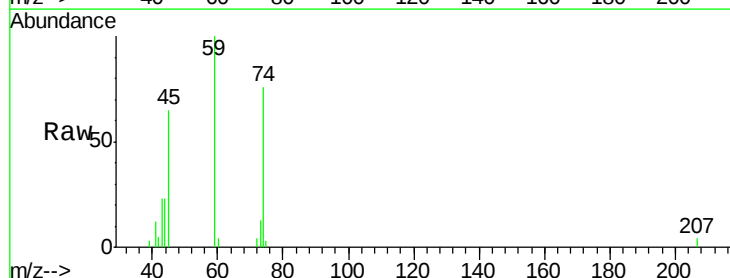
MMDadoda
6/11/2020 12:44:24 PM

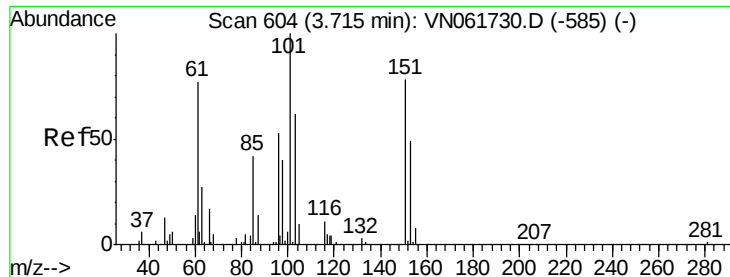


#8

Diethyl Ether
Concen: 4.076 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.6	15.4	138.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.550 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

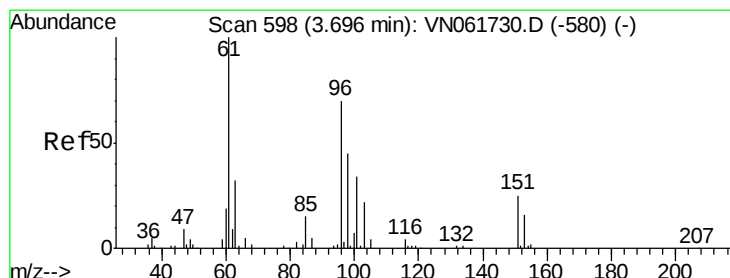
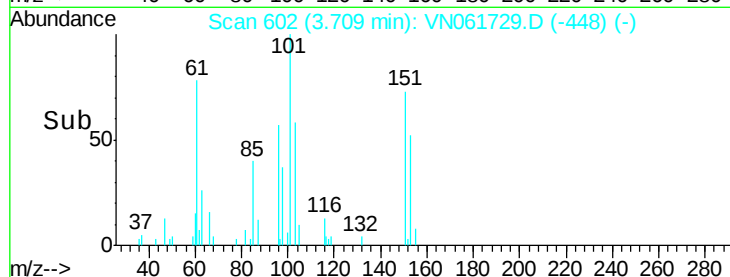
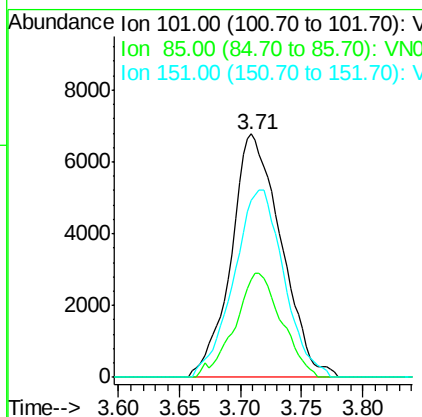
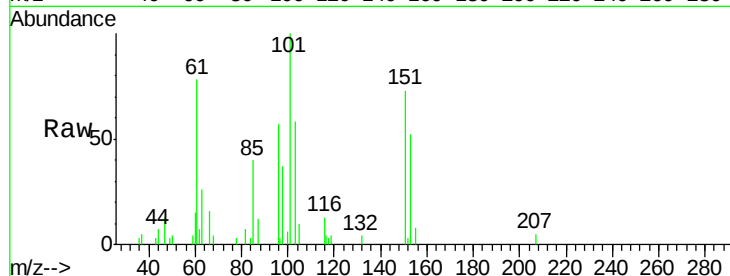
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	19229
Ion Ratio	Lower	Upper	
101	100		
85	39.0	0.0	84.8
151	77.3	0.0	159.0

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 4.676 ug/l

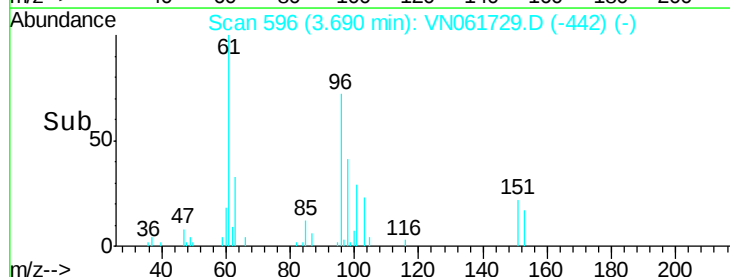
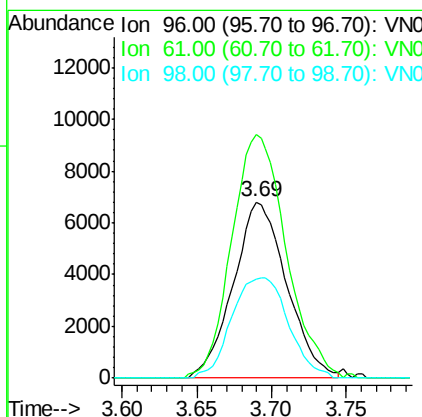
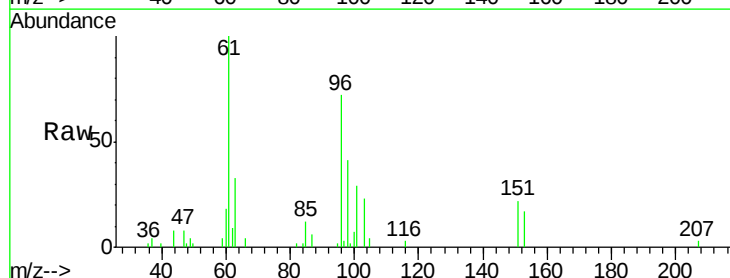
RT: 3.69 min Scan# 596

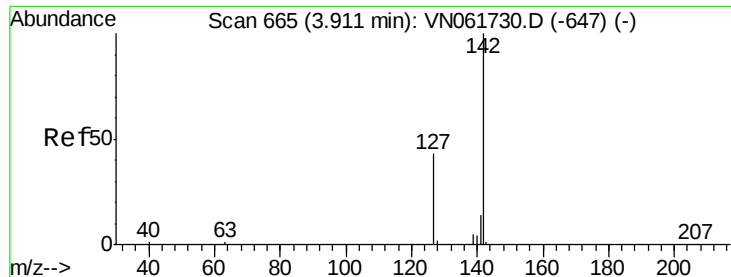
Delta R.T. -0.01 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion:	96	Resp:	16923
Ion Ratio	Lower	Upper	
96	100		
61	136.1	114.9	172.3
98	56.2	52.2	78.2





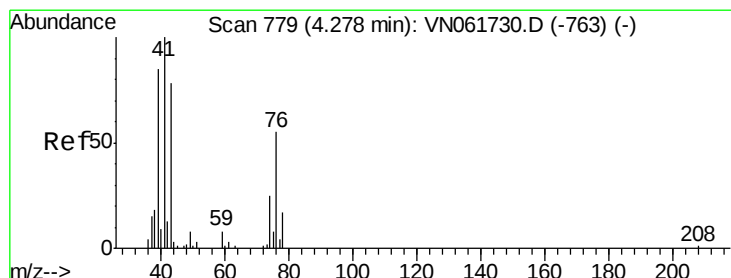
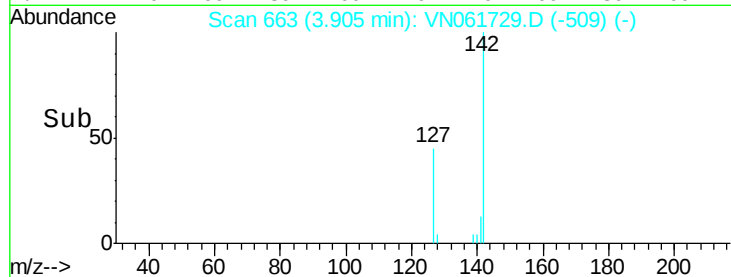
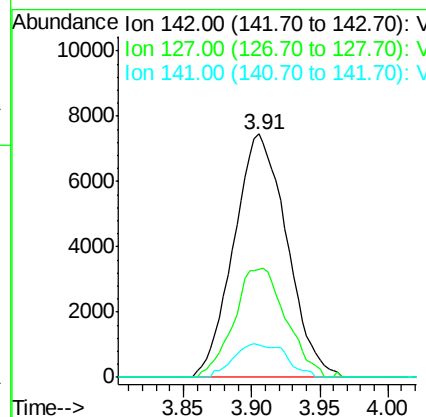
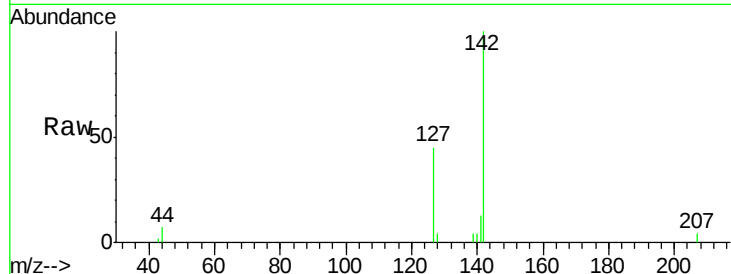
#11
Methyl Iodide
Concen: 4.868 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.6	21.6	64.6
141	13.4	7.2	21.6

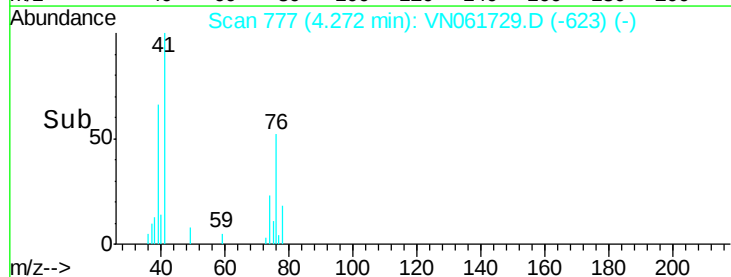
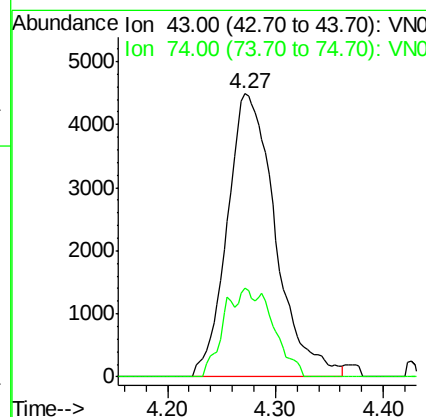
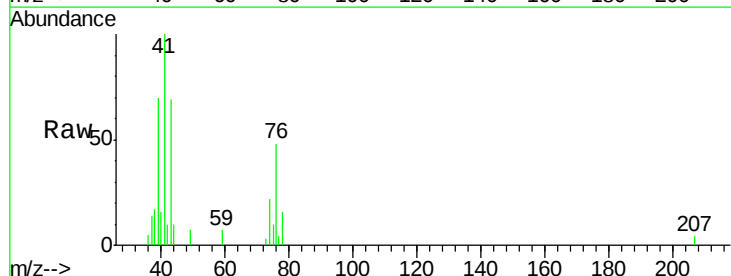
Manual Integrations
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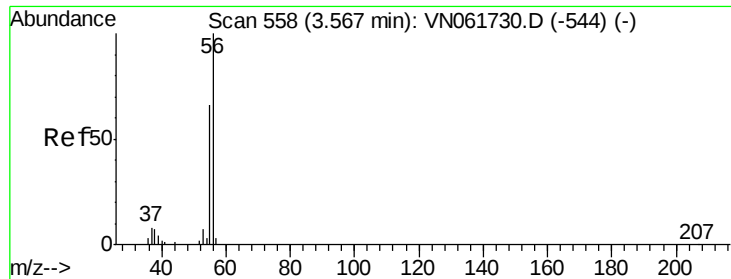
MMDadoda
6/11/2020 12:44:24 PM



#12
Methyl Acetate
Concen: 3.402 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.1	25.8	38.6





#13

Acrolein

Concen: 14.804 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10048

Ion Ratio Lower Upper

56 100

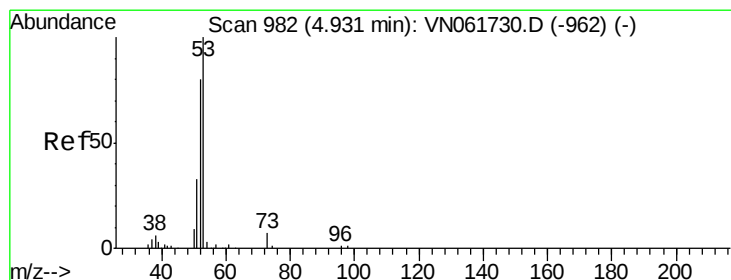
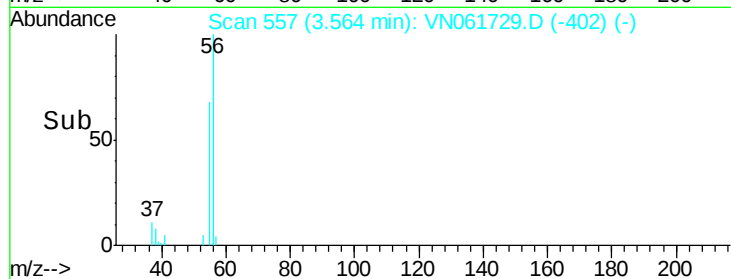
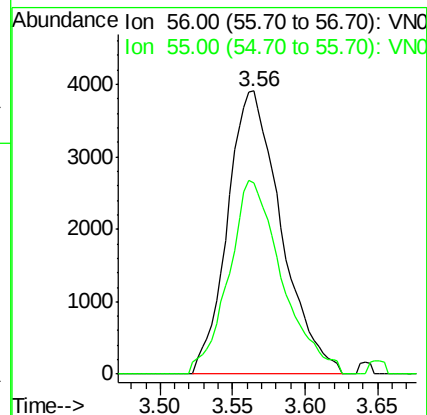
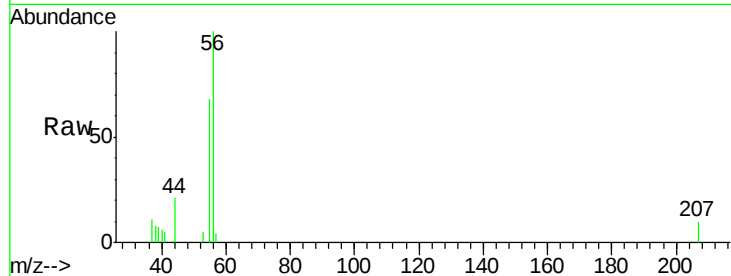
55 67.6 53.9 80.9

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#14

Acrylonitrile

Concen: 18.502 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

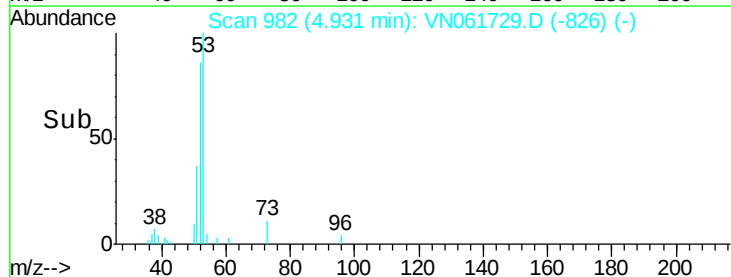
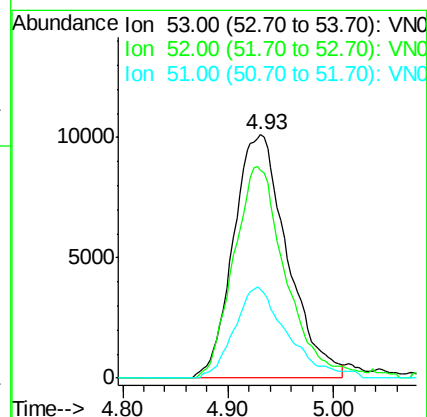
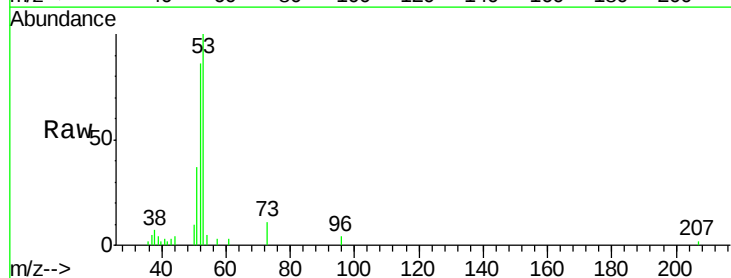
Tgt Ion: 53 Resp: 35948

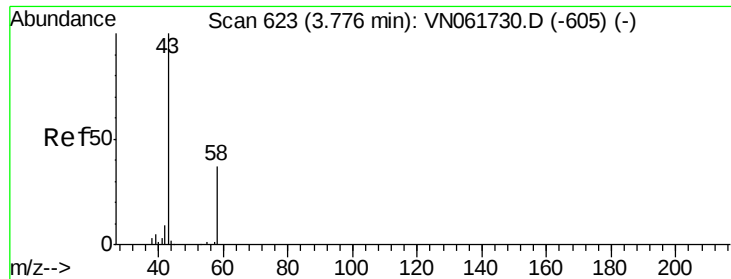
Ion Ratio Lower Upper

53 100

52 82.2 41.3 123.7

51 34.7 8.0 23.8#





#15

Acetone

Concen: 25.659 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.01 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 12455

Ion Ratio Lower Upper

58 100

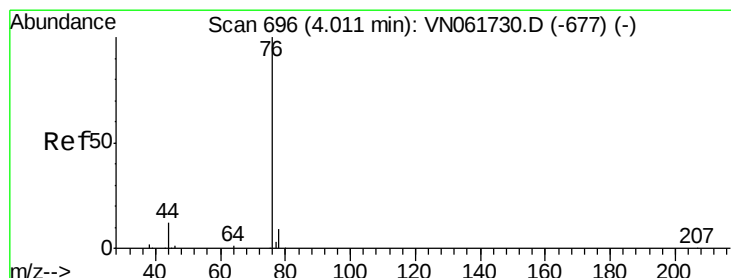
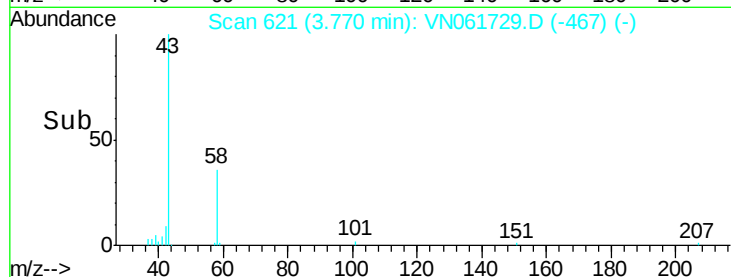
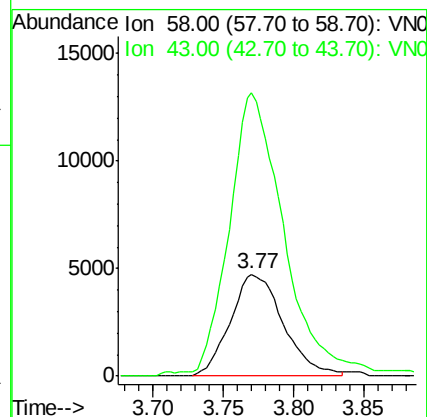
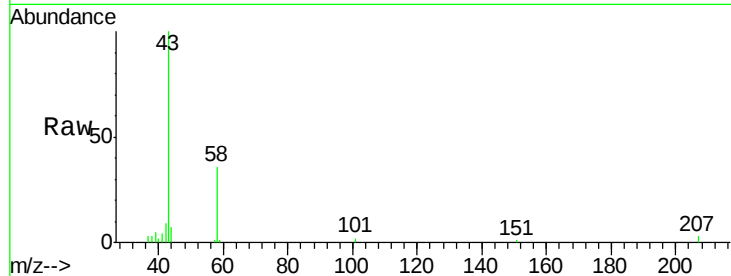
43 273.9 213.7 320.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 2.855 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.01 min

Lab File: VN061729.D

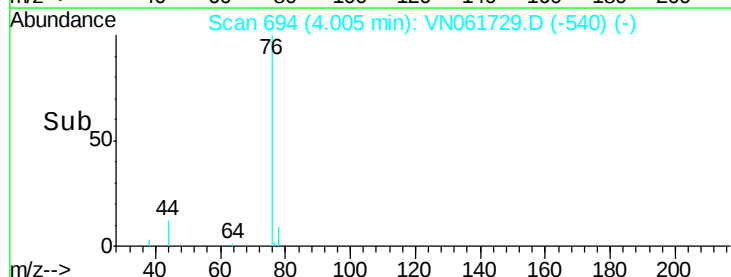
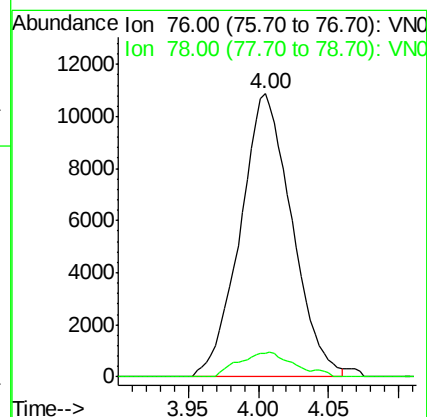
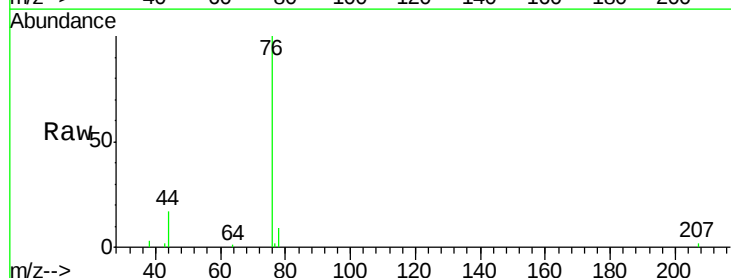
Acq: 10 Jun 2020 10:31

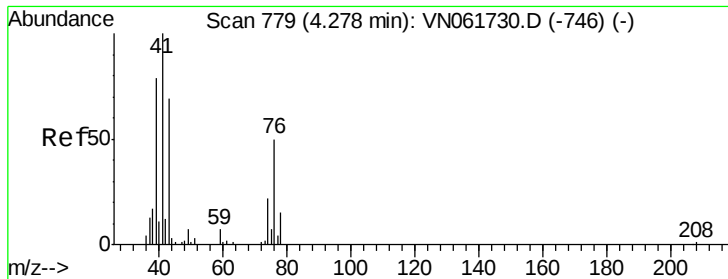
Tgt Ion: 76 Resp: 27776

Ion Ratio Lower Upper

76 100

78 8.5 7.6 11.4





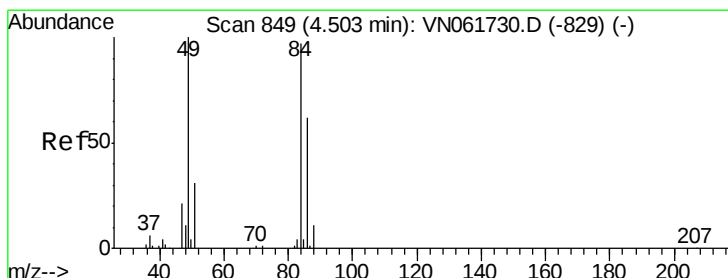
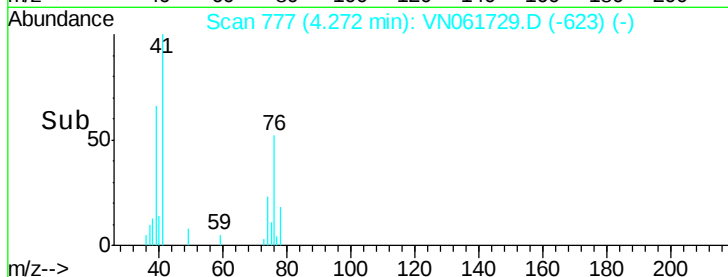
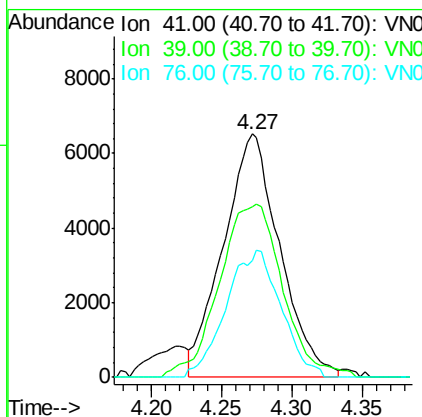
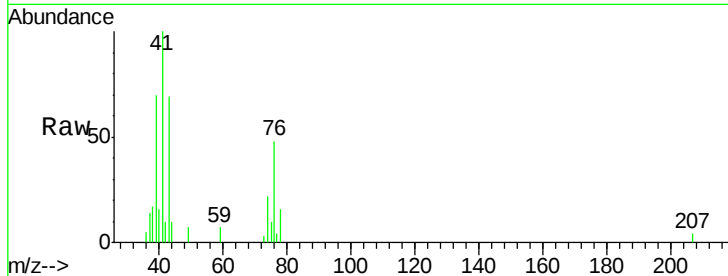
#17
Allvl chloride
Concen: 2.711 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	18237
Ion Ratio	Lower	Upper	
41	100		
39	68.8	39.5	118.5
76	49.3	24.9	74.7

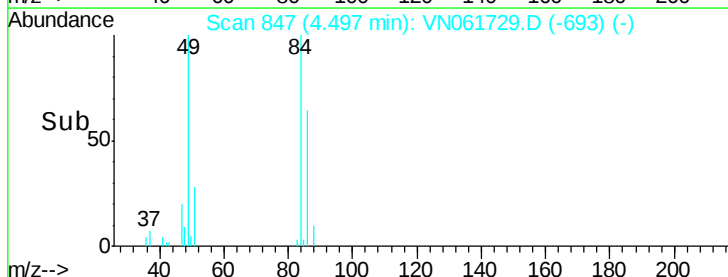
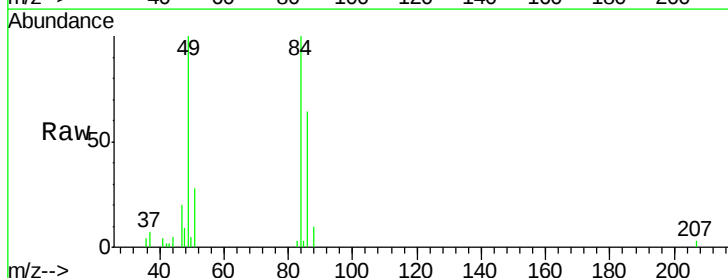
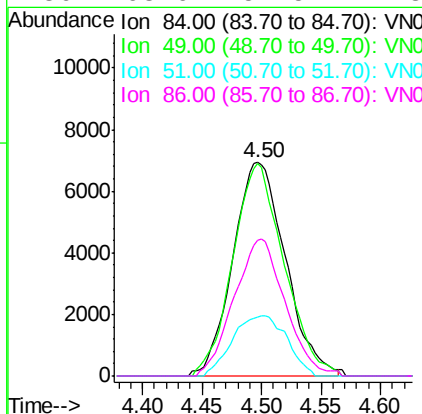
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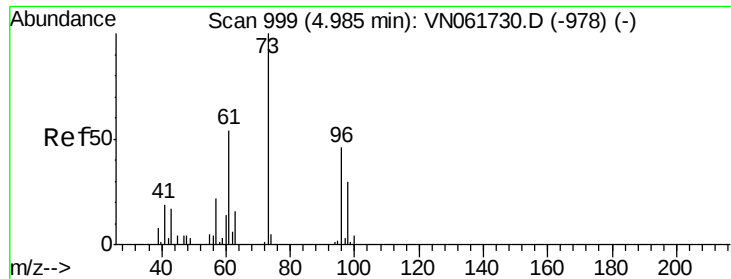
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#18
Methylene Chloride
Concen: 4.873 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion:	84	Resp:	21231
Ion Ratio	Lower	Upper	
84	100		
49	99.7	82.6	124.0
51	27.8	25.4	38.0
86	63.6	51.5	77.3





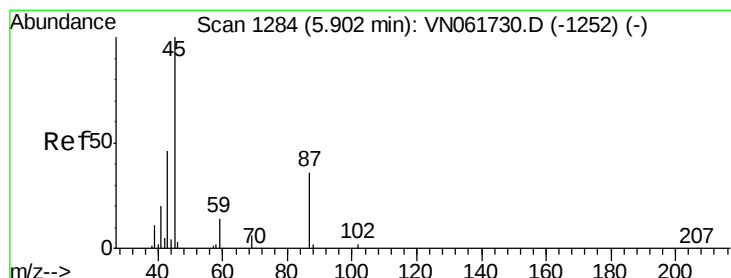
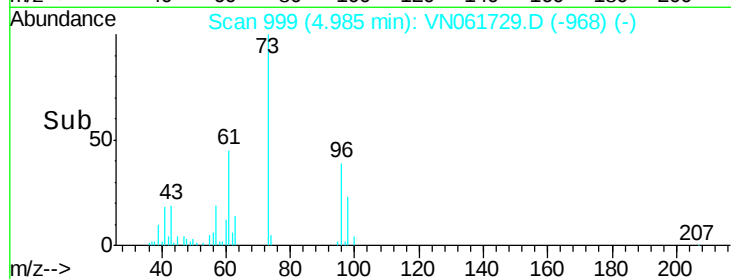
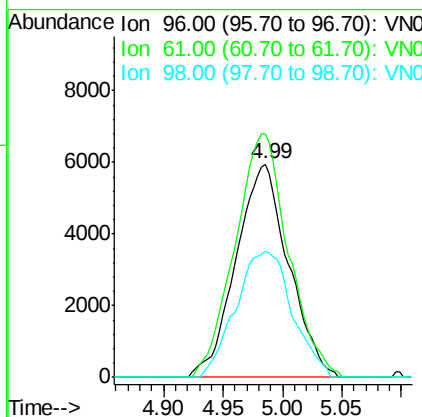
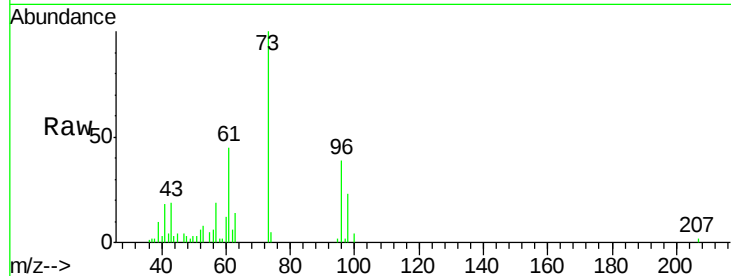
#19
trans-1,2-Dichloroethene
Concen: 4.251 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.4	95.4	143.0
98	59.1	52.6	79.0

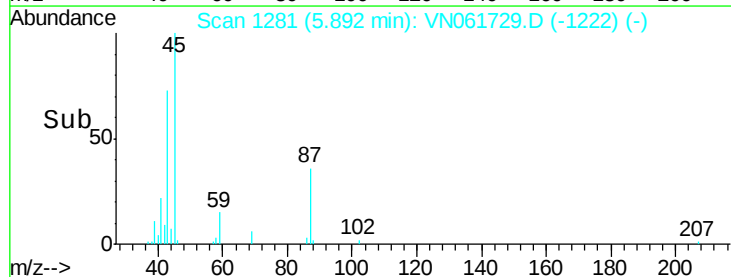
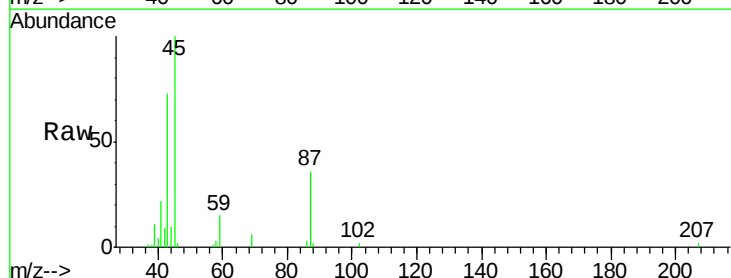
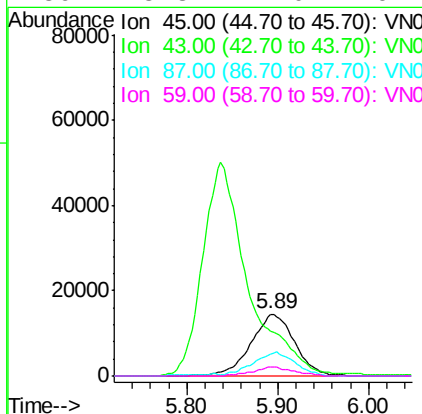
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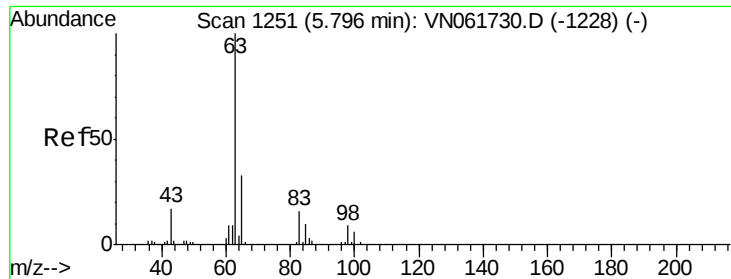
MMDadoda
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#20
Diisopropyl ether
Concen: 3.092 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.0	50.7	76.1
87	36.2	30.1	45.1
59	15.3	11.0	16.4





#21

1,1-Dichloroethane

Concen: 3.869 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

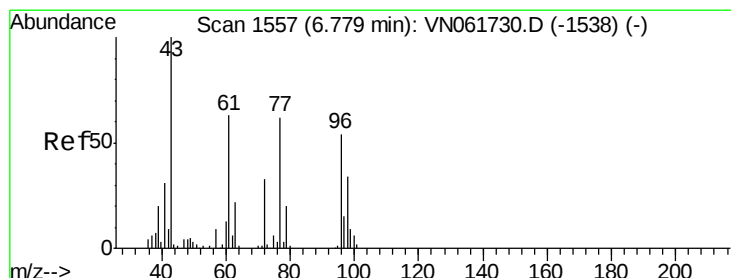
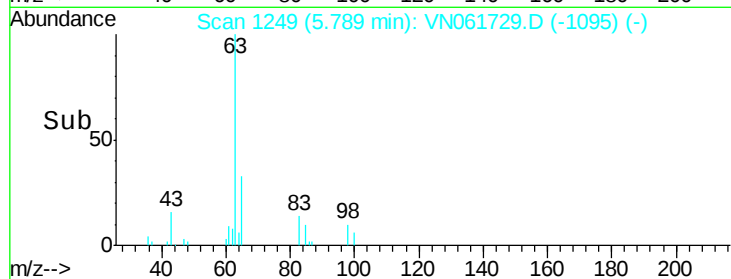
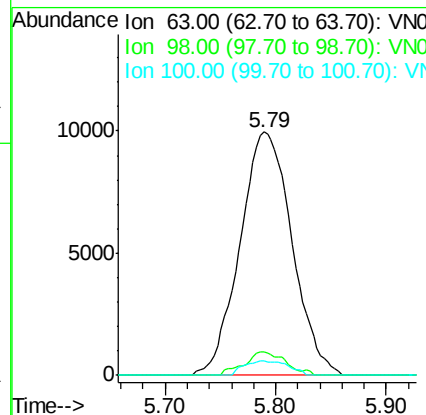
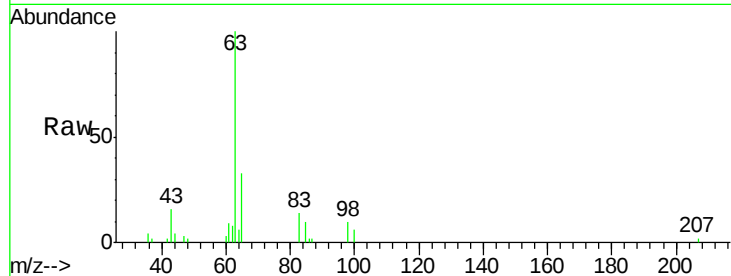
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	32554
Ion Ratio	Lower	Upper	
63	100		
98	9.8	4.5	13.7
100	5.9	2.9	8.7

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#22

cis-1,2-Dichloroethene

Concen: 4.667 ug/l m

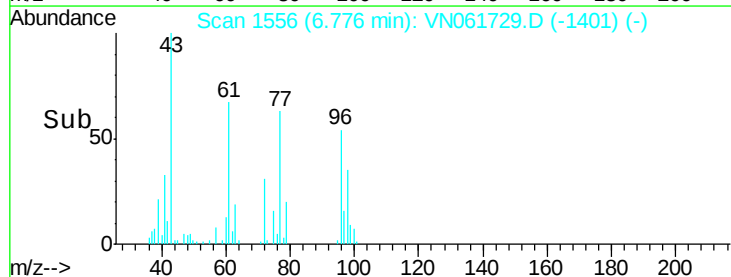
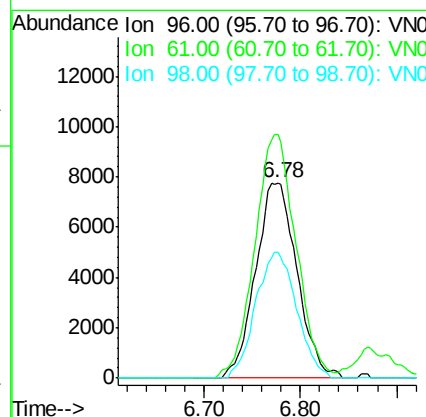
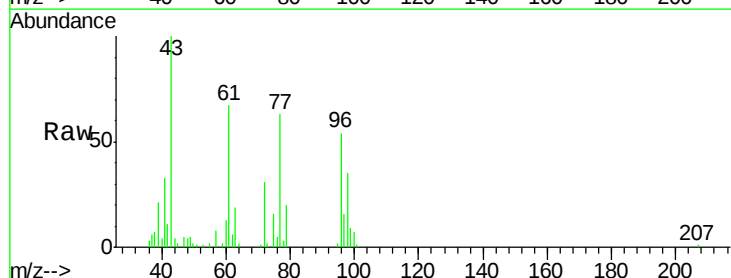
RT: 6.78 min Scan# 1556

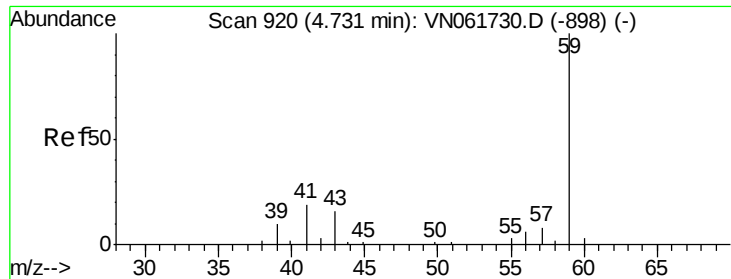
Delta R.T. -0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion:	96	Resp:	23146
Ion Ratio	Lower	Upper	
96	100		
61	124.6	100.6	151.0
98	63.9	52.6	79.0





#23

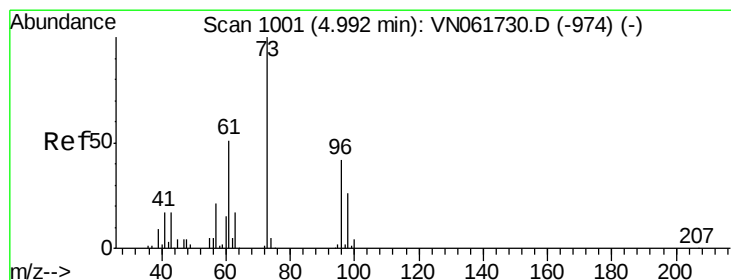
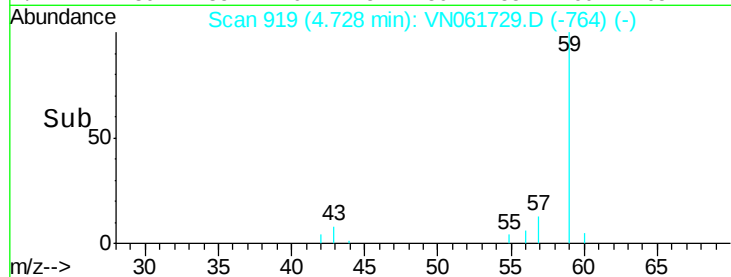
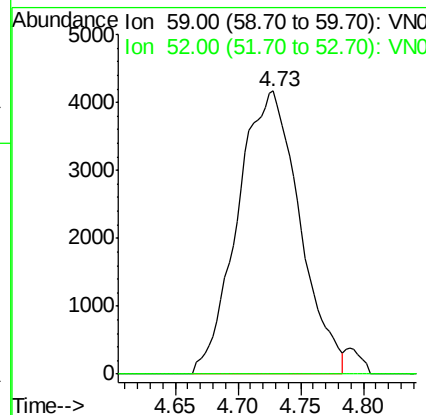
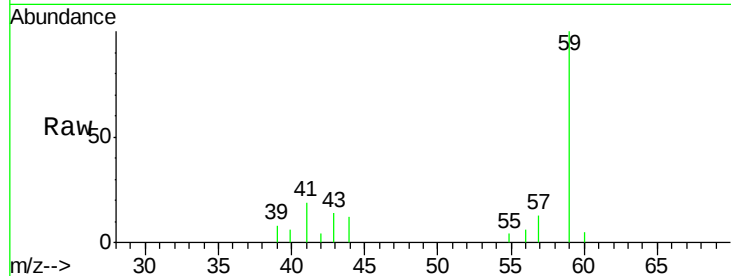
tert-Butyl Alcohol
 Concen: 22.589 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		14325		
52	0.0		0.0	0.0	0.0

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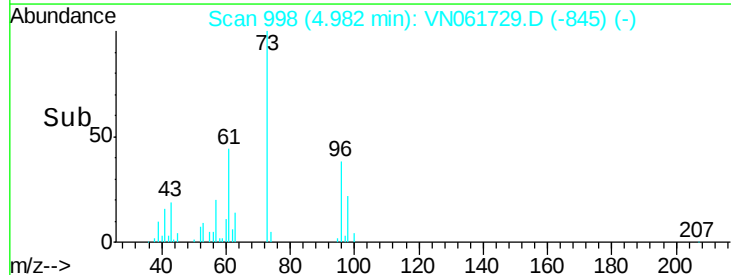
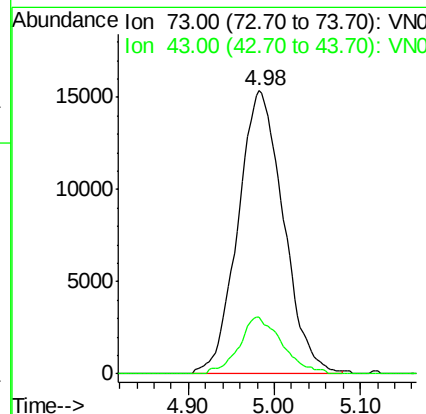
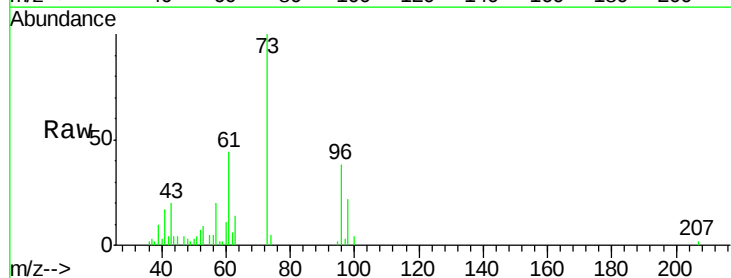
MMDadoda
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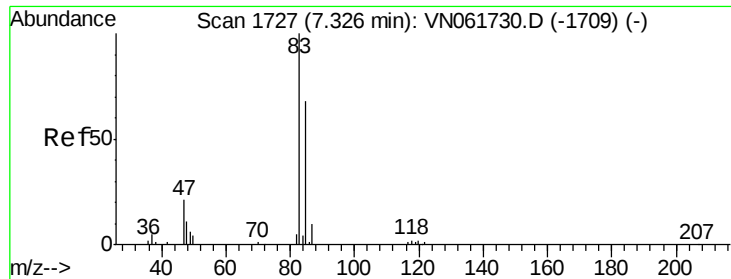


#24

Methyl tert-Butyl Ether
 Concen: 4.014 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		56420		
43	18.8		7.0	10.4	#





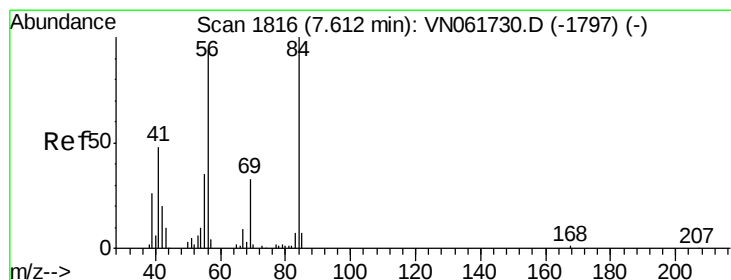
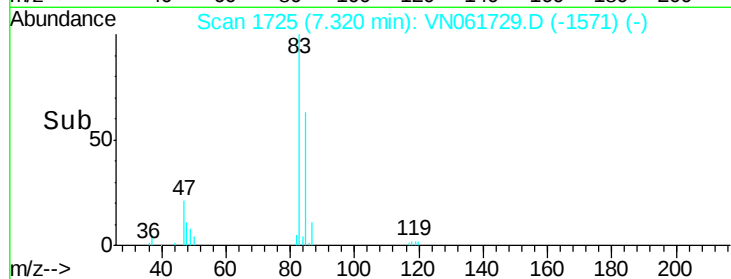
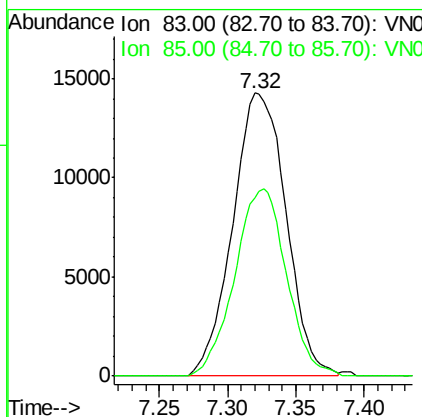
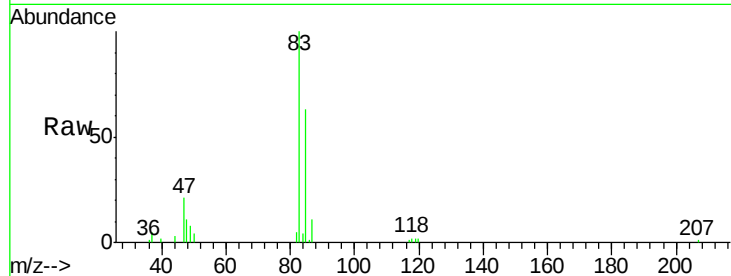
#25
Chloroform
Concen: 4.648 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	38732
Ion Ratio	100	Lower	Upper
85	63.1	54.2	81.4

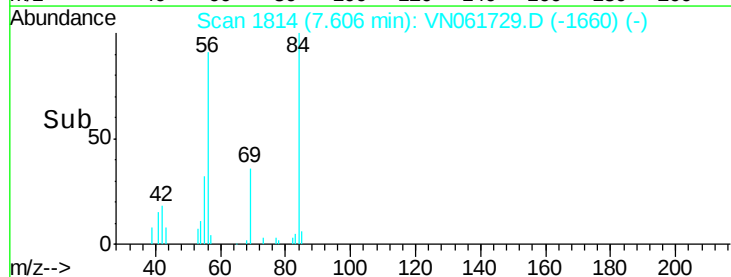
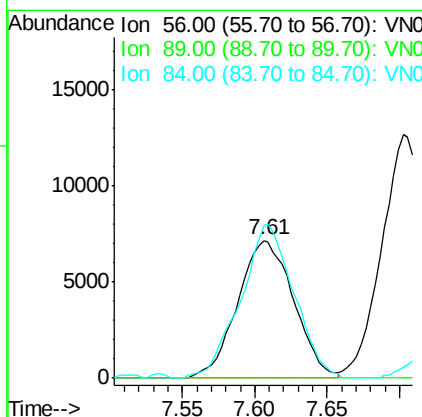
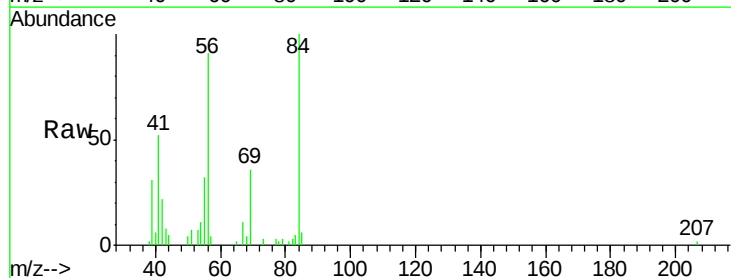
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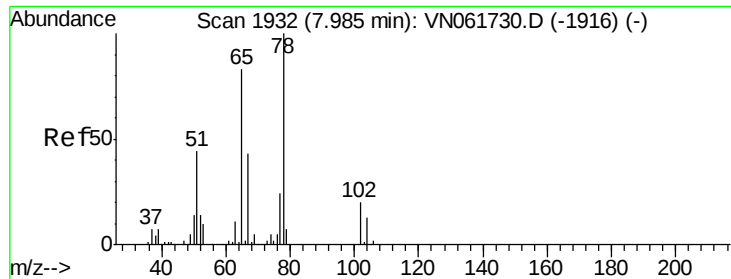
MMDadoda
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#26
Cyclohexane
Concen: 2.463 ug/l
RT: 7.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	56	Resp	19259
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	106.0	83.5	125.3





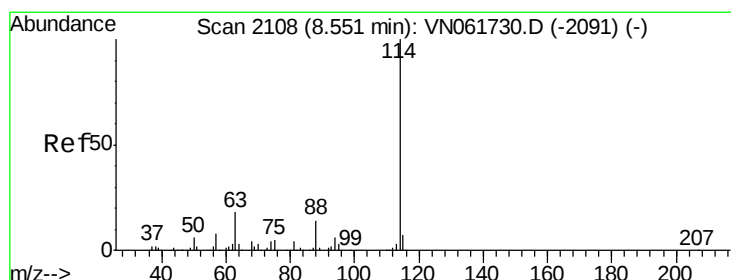
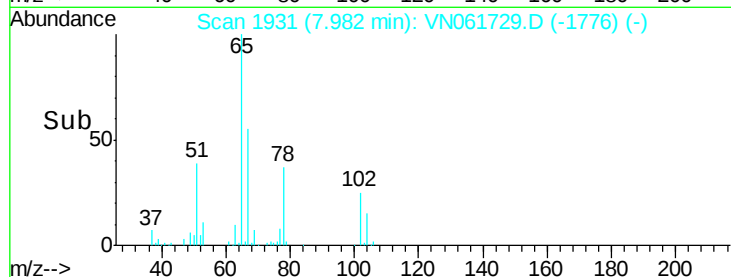
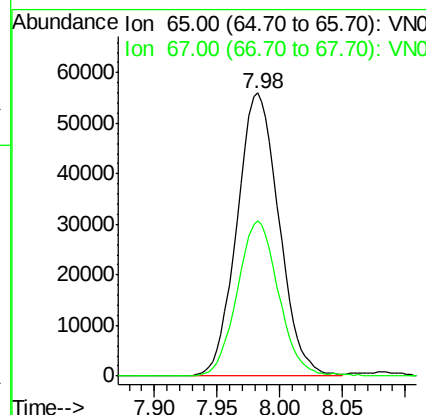
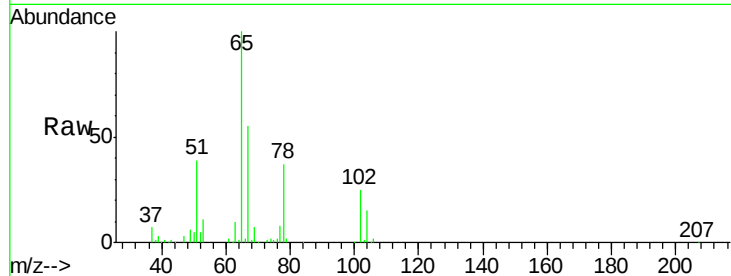
#27
 1,2-Dichloroethane-d4
 Concen: 22.513 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 130504
 Ion Ratio Lower Upper
 65 100
 67 53.7 42.2 63.4

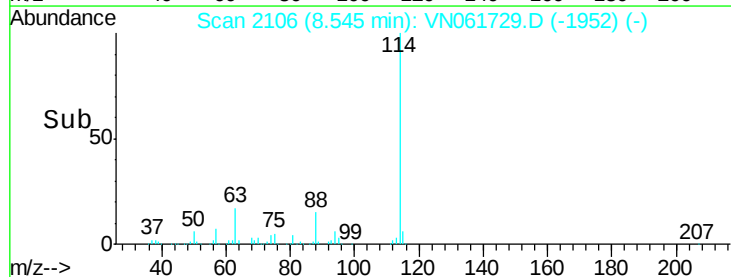
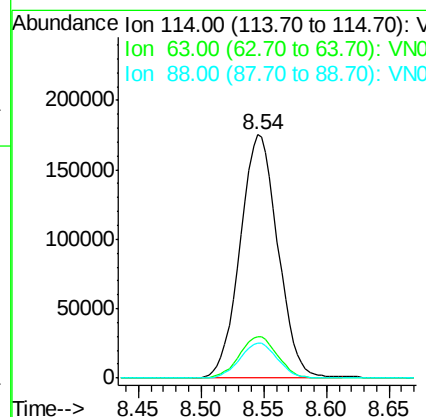
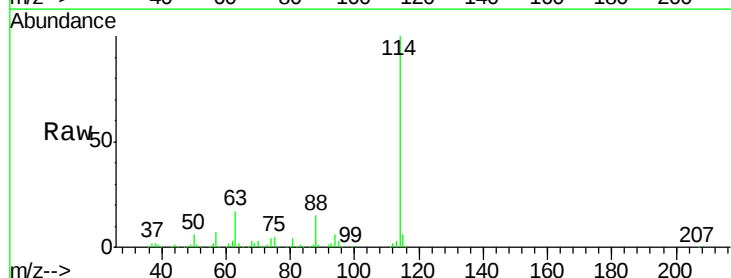
Manual Integrations
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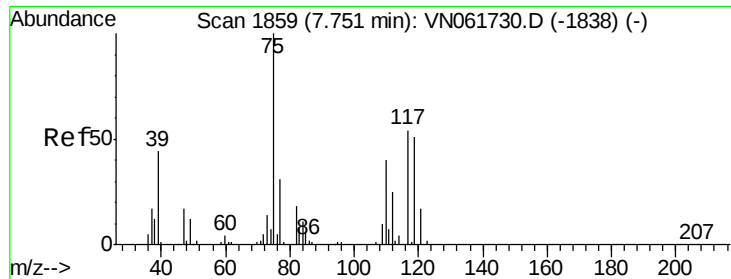
MMDadoda
 6/11/2020 12:44:24 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion: 114 Resp: 367708
 Ion Ratio Lower Upper
 114 100
 63 17.1 14.2 21.2
 88 14.5 11.4 17.2





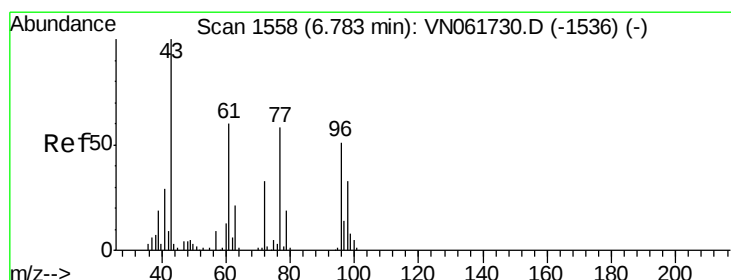
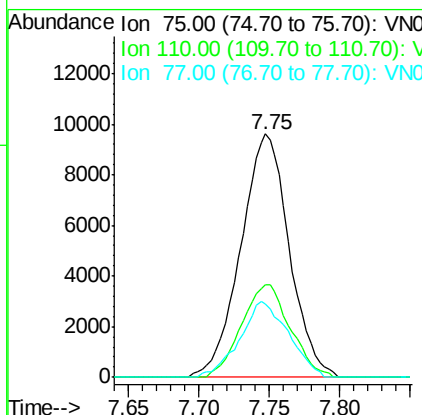
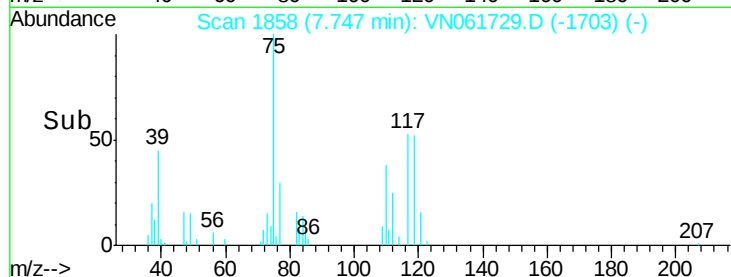
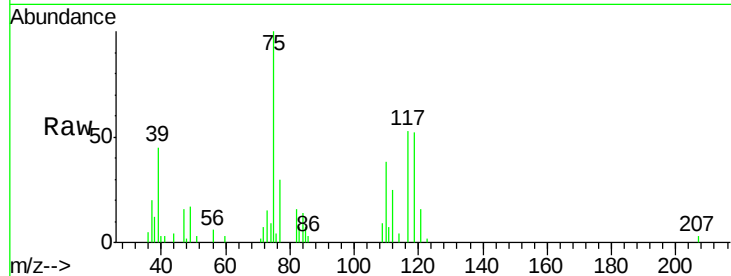
#29
 1,1-Dichloropropene
 Concen: 3.791 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.2	0.0	78.6
77	31.3	0.0	62.4

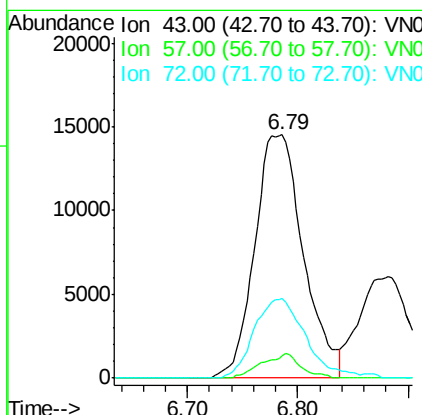
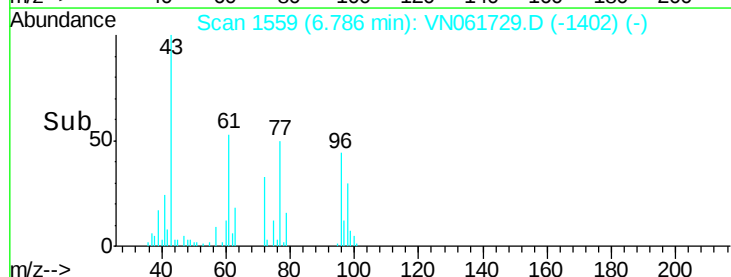
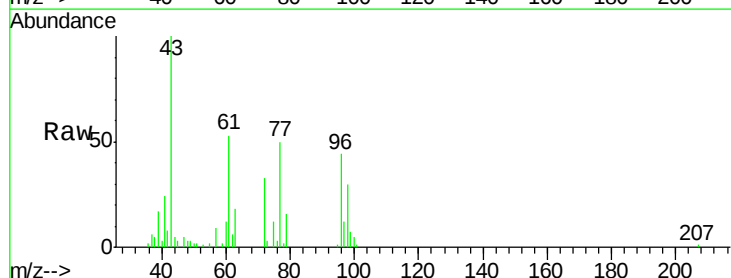
Manual Integrations
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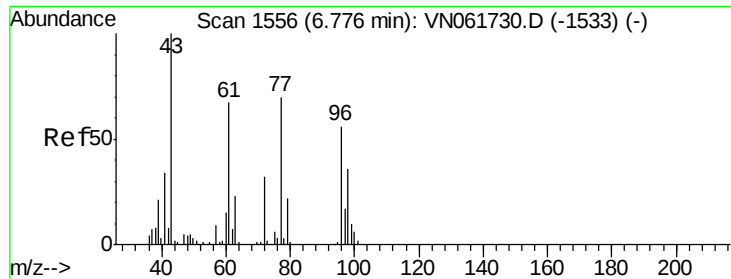
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 6/11/2020 12:44:24 PM



#30
 2-Butanone
 Concen: 17.820 ug/l m
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	7.6	11.4
72	34.5	27.8	41.6





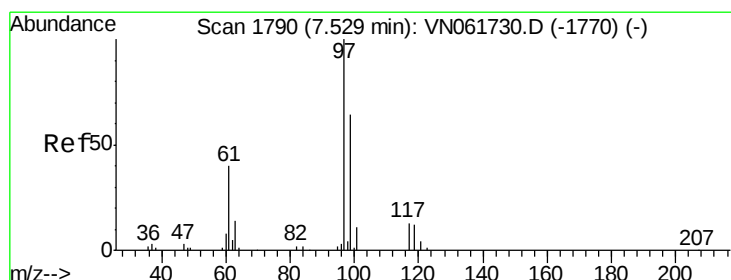
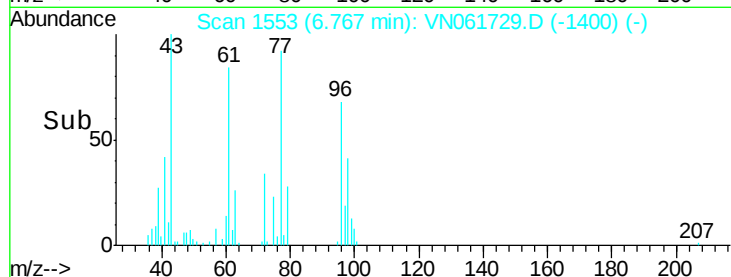
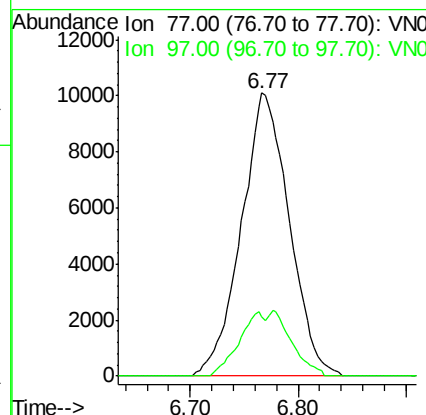
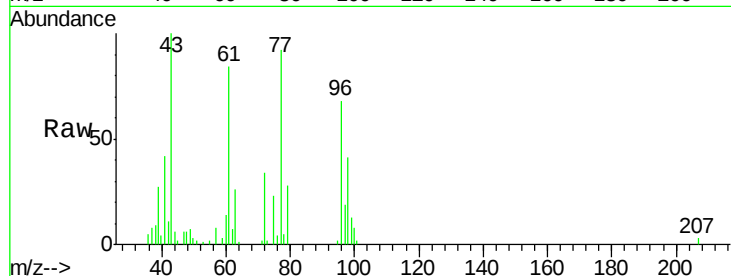
#31
 2,2-Dichloropropane
 Concen: 4.367 ug/l
 RT: 6.77 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
77	100		
97	12.6	19.6	29.4#

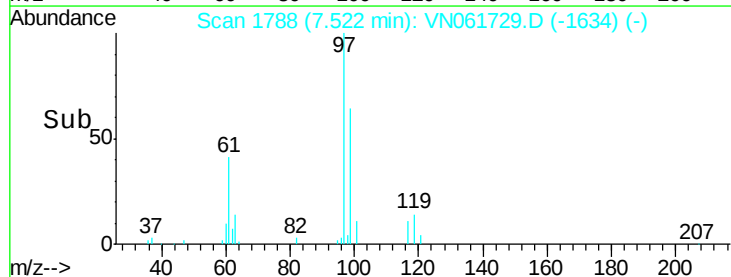
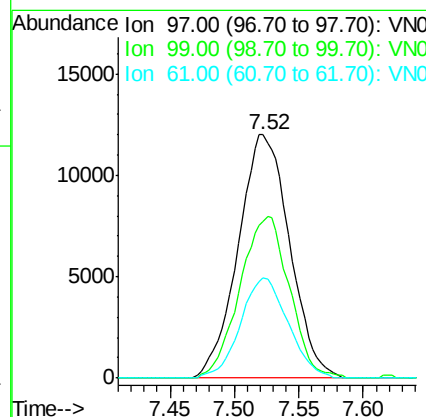
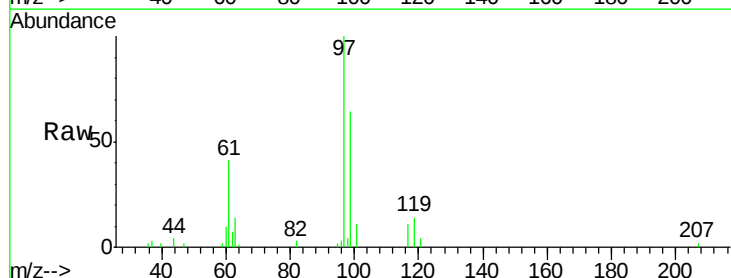
Manual Integrations
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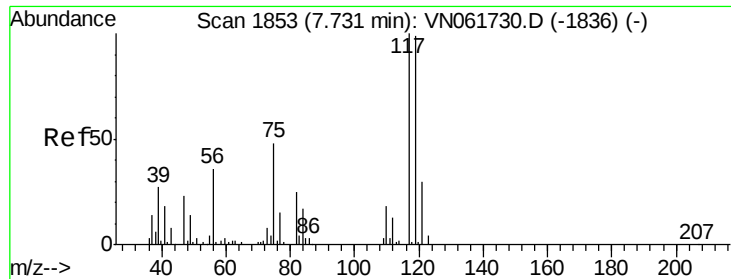
MMDadoda
 6/11/2020 12:44:24 PM



#32
 1,1,1-Trichloroethane
 Concen: 4.784 ug/l
 RT: 7.52 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	38.1	32.3	48.5





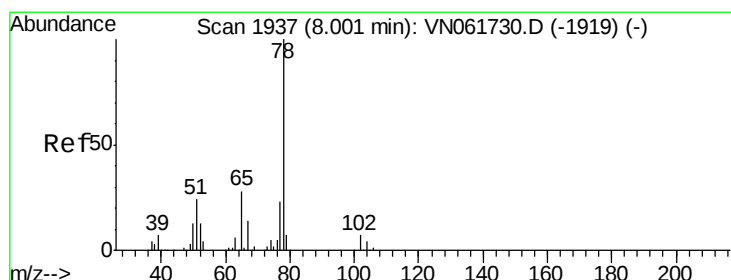
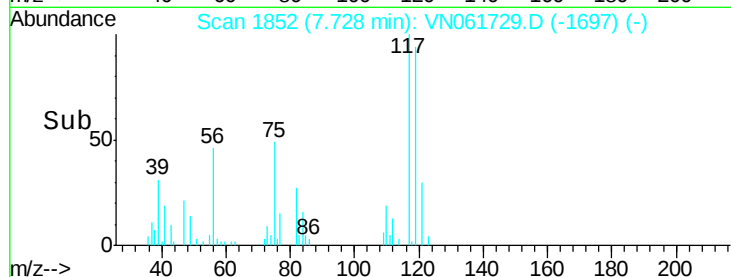
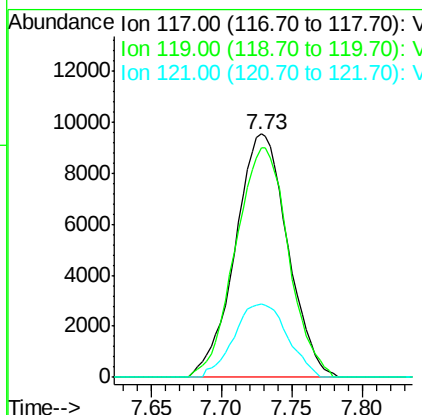
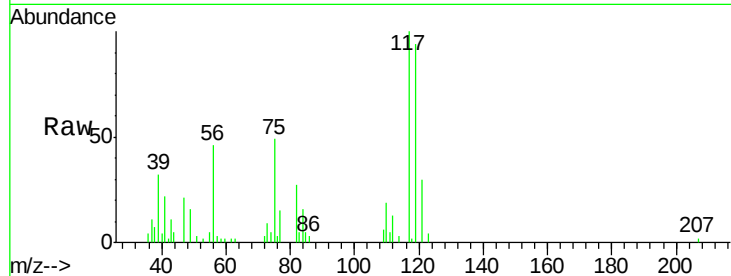
#33
Carbon Tetrachloride
Concen: 4.589 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.2	79.3	118.9
121	29.6	24.2	36.4

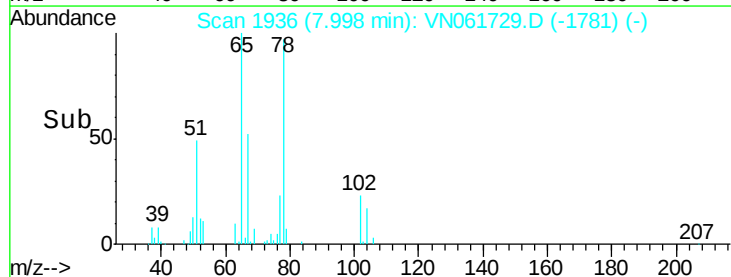
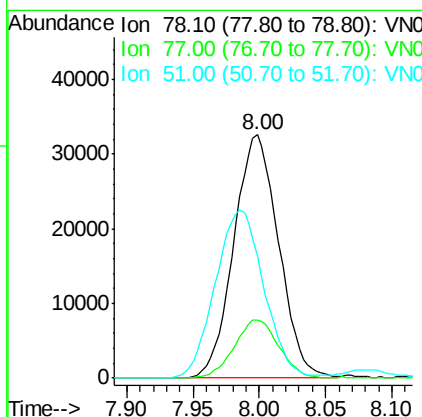
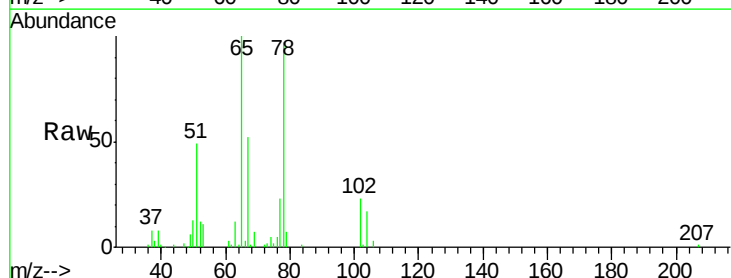
Manual Integrations
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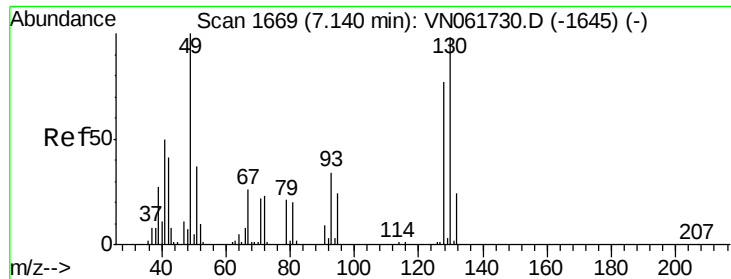
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#34
Benzene
Concen: 4.388 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.4	27.6
51	48.8	19.1	28.7#





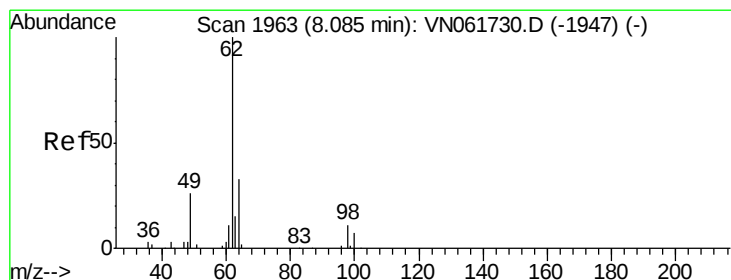
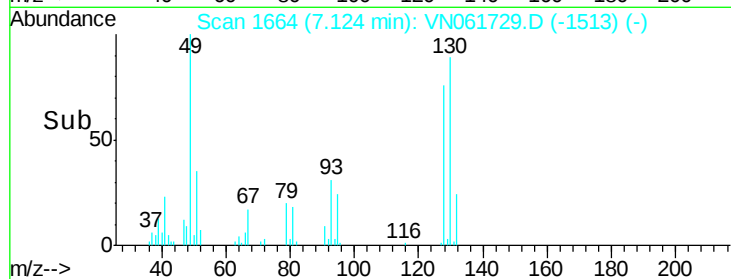
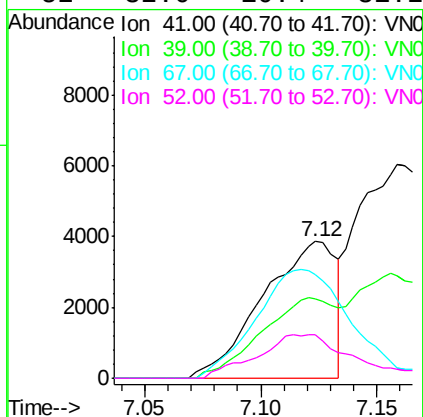
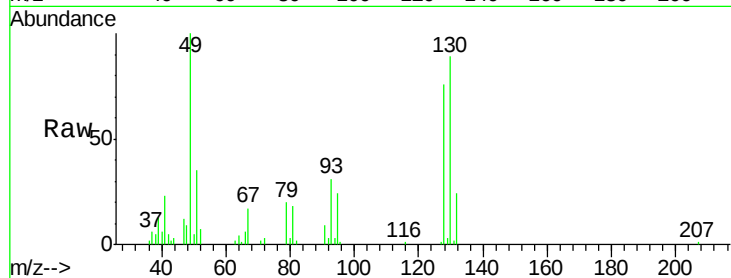
#35
Methacrylonitrile
Concen: 3.541 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.02 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	26.5	79.5
67	75.3	25.4	76.2
52	32.0	10.4	31.2

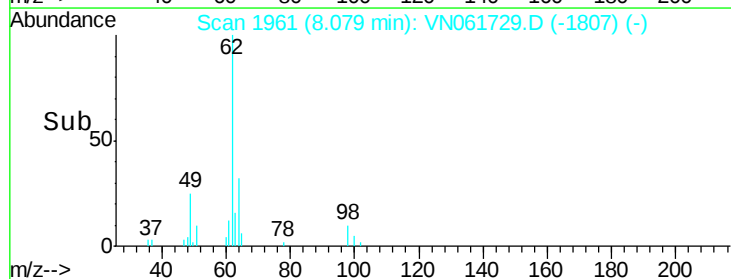
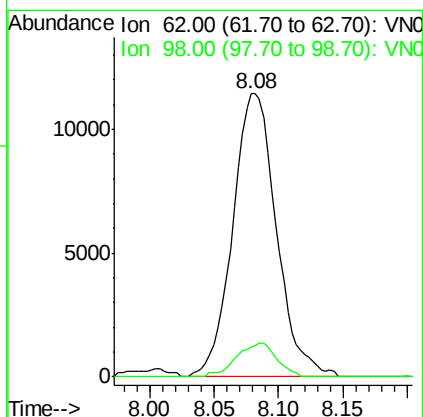
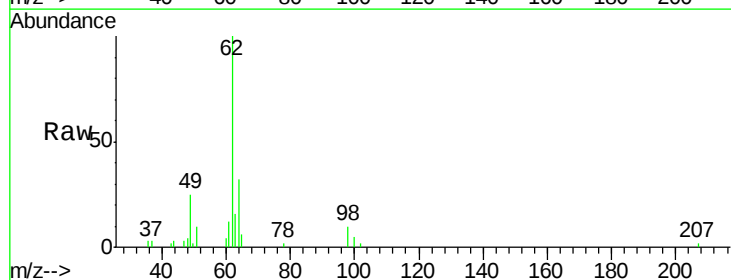
Manual Integrations
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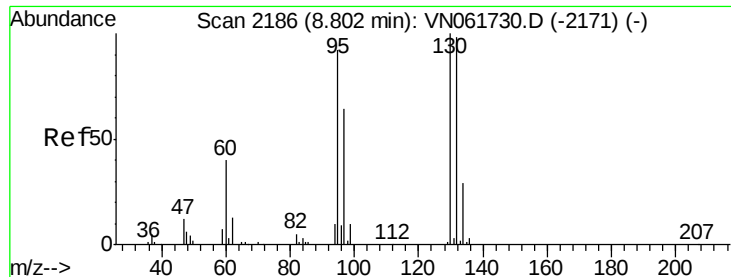
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#36
1,2-Dichloroethane
Concen: 4.150 ug/l
RT: 8.08 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	9.4	14.2





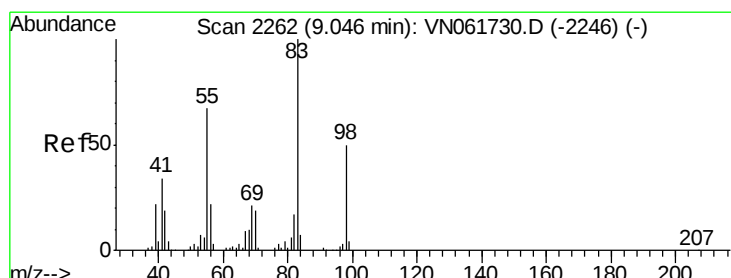
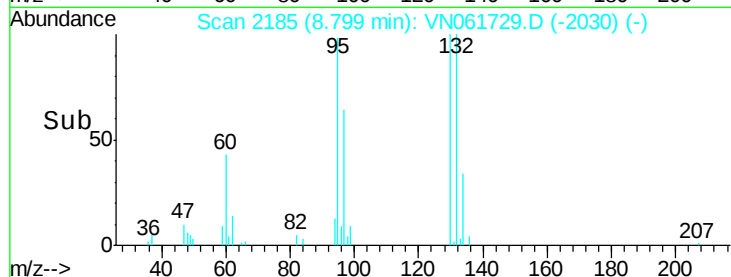
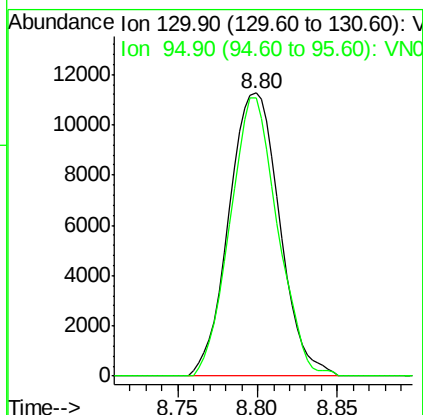
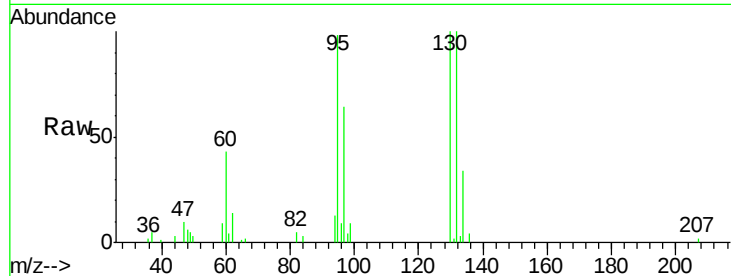
#37
 Trichloroethene
 Concen: 5.437 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 24454
 Ion Ratio Lower Upper
 130 100
 95 98.2 73.9 110.9

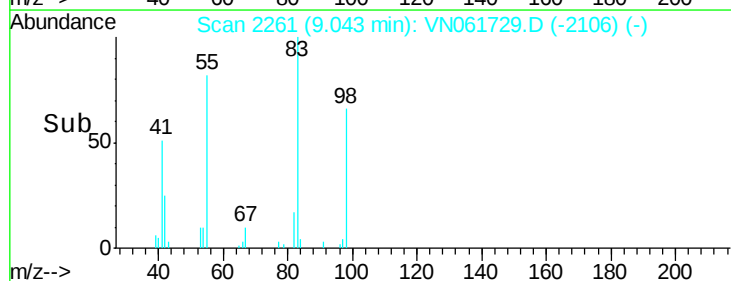
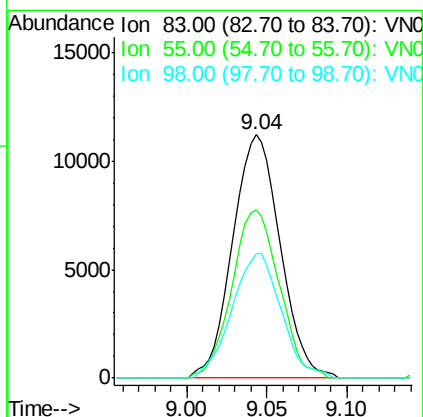
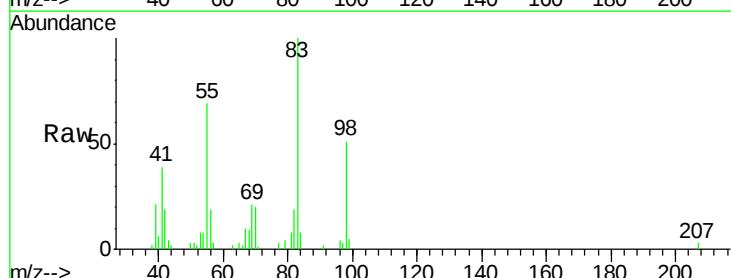
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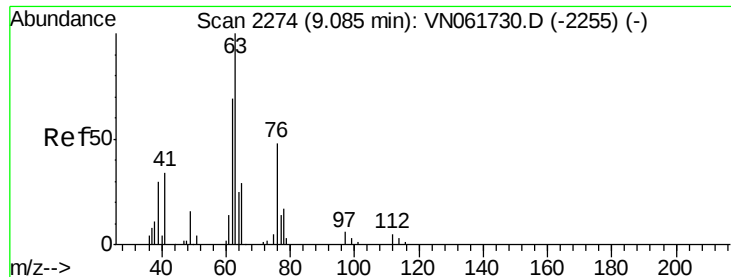
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#38
 Methylcyclohexane
 Concen: 3.152 ug/l
 RT: 9.04 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion: 83 Resp: 22824
 Ion Ratio Lower Upper
 83 100
 55 68.8 32.7 98.1
 98 52.7 25.4 76.4





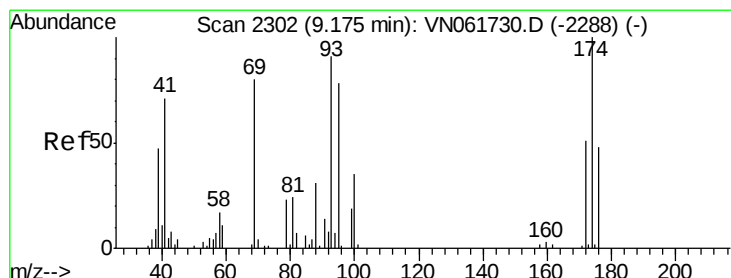
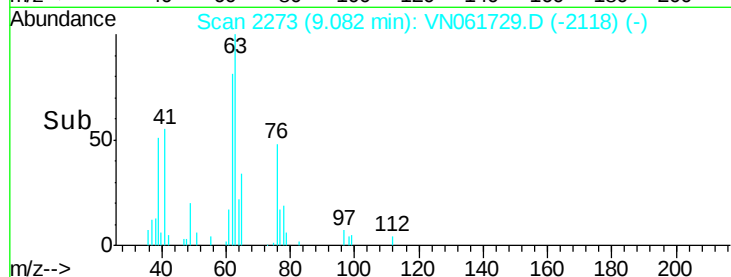
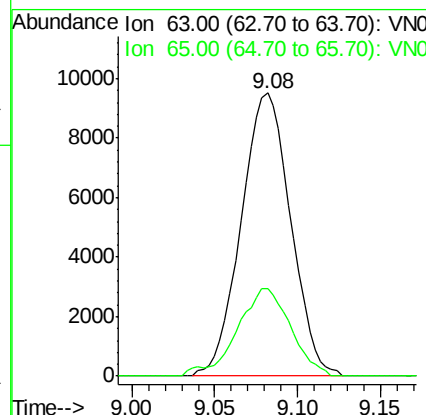
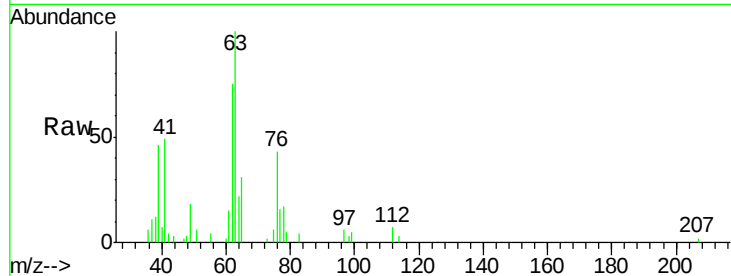
#39
 1,2-Dichloropropane
 Concen: 4.239 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.3	36.5

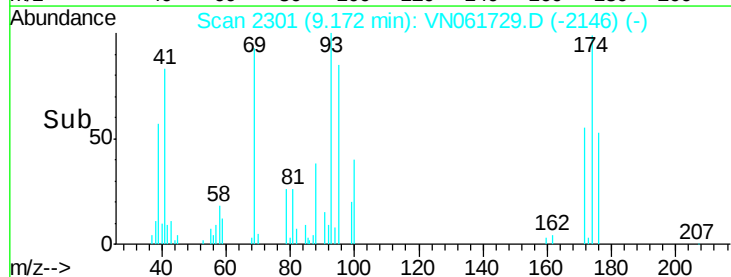
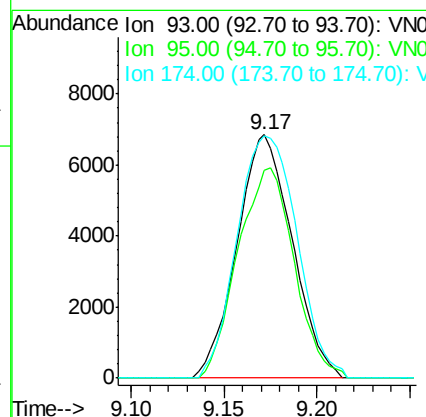
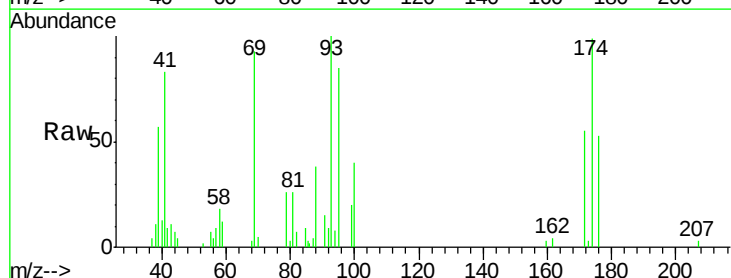
Manual Integrations
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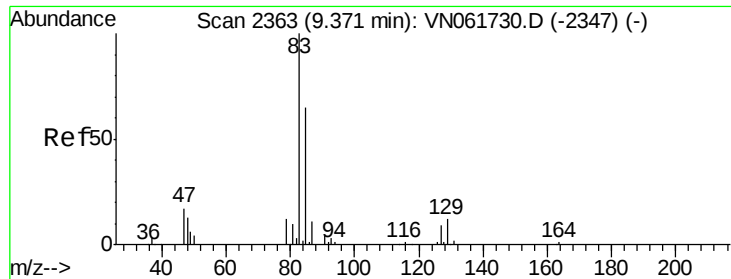
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#40
 Dibromomethane
 Concen: 4.724 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.7	0.0	165.8
174	107.9	0.0	217.8





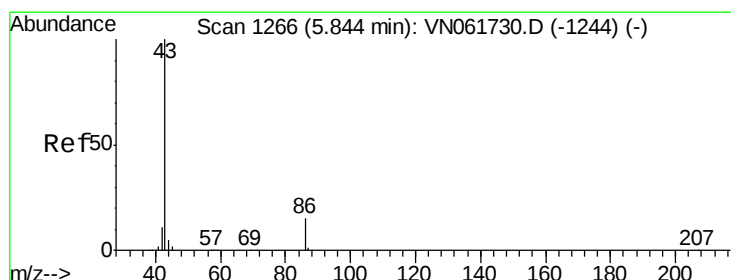
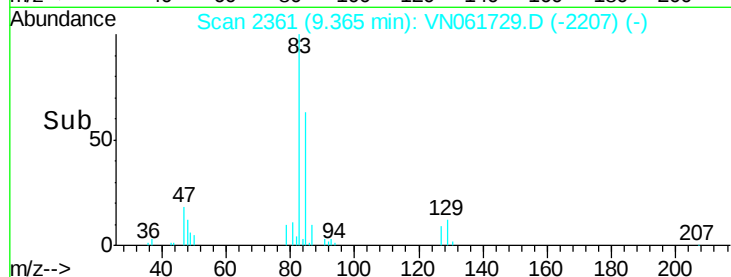
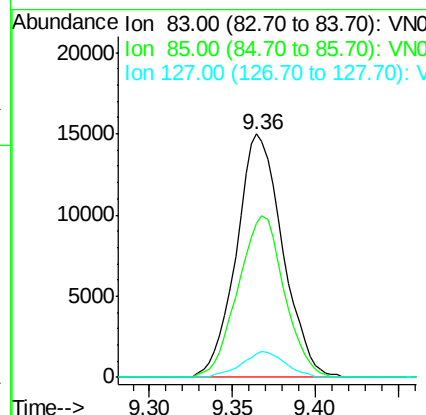
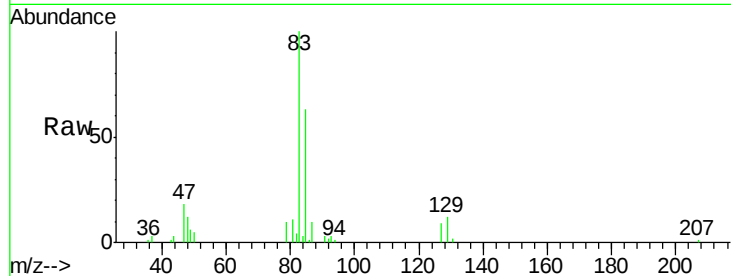
#41
 Bromodichloromethane
 Concen: 4.530 ug/l
 RT: 9.36 min Scan# 2361
 Delta R.T. -0.01 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	29030
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	52.2	78.4
127	9.4	7.2	10.8

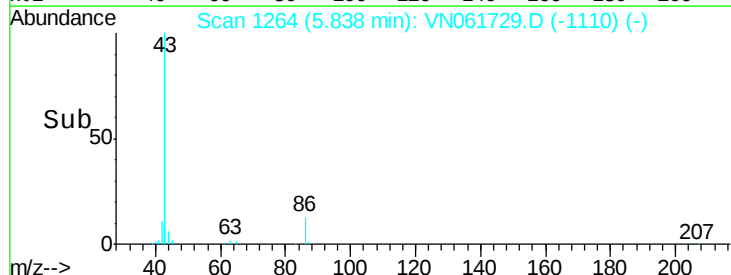
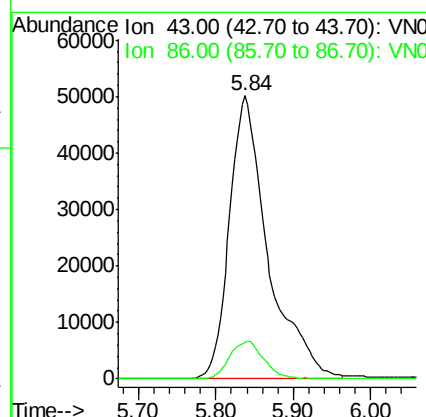
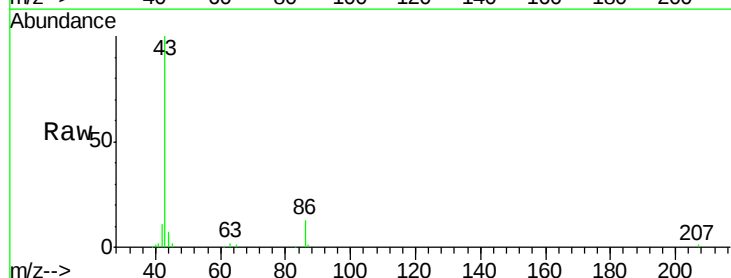
Manual Integrations
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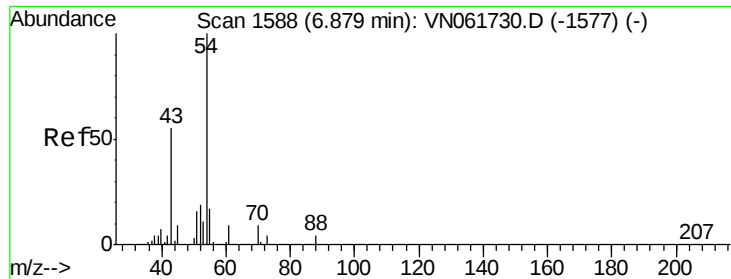
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#42
 Vinyl Acetate
 Concen: 14.896 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	43	Resp	174042
Ion Ratio	100	Lower	Upper
43	100		
86	11.7	10.0	15.0





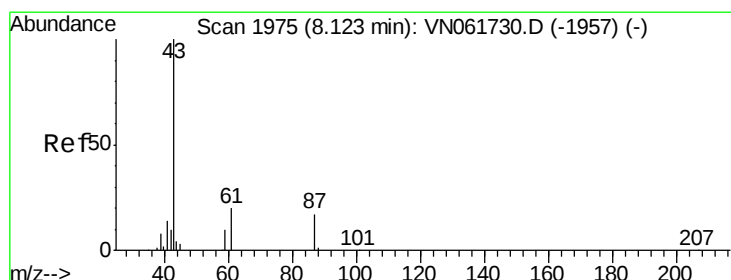
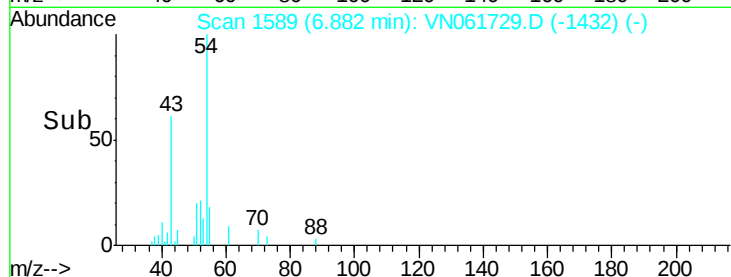
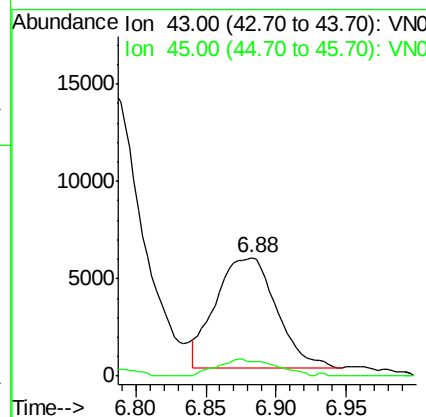
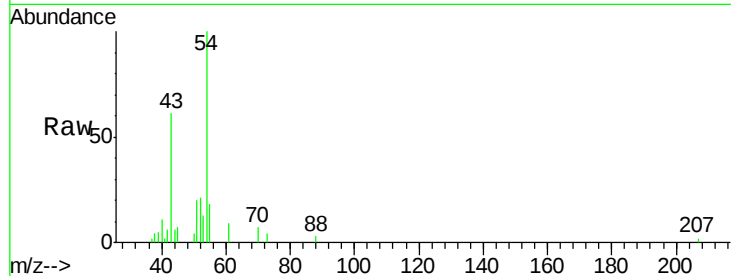
#43
Ethyl Acetate
Concen: 3.303 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Ratio	Lower	Upper
17011	100			
45	8.5	11.4	17.2	#

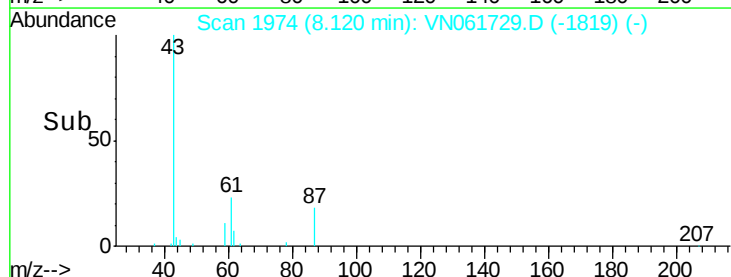
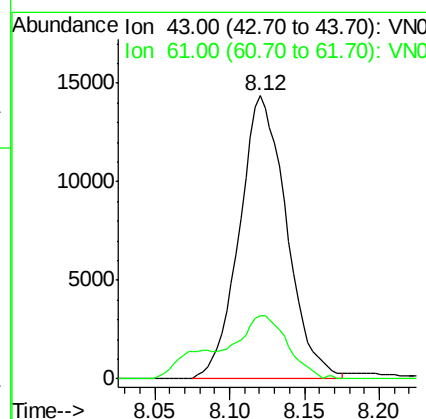
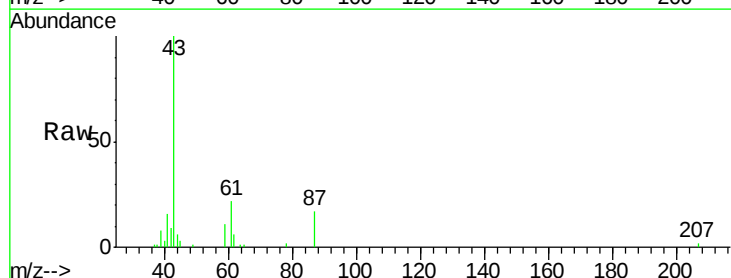
Manual Integrations
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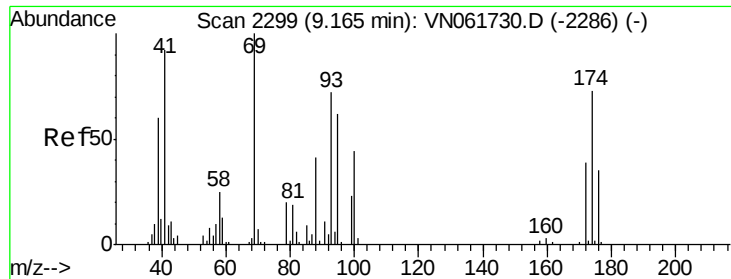
MMDadoda
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#44
Isopropyl Acetate
Concen: 3.104 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	43	Ratio	Lower	Upper
31519	100			
61	18.8	18.9	28.3	#





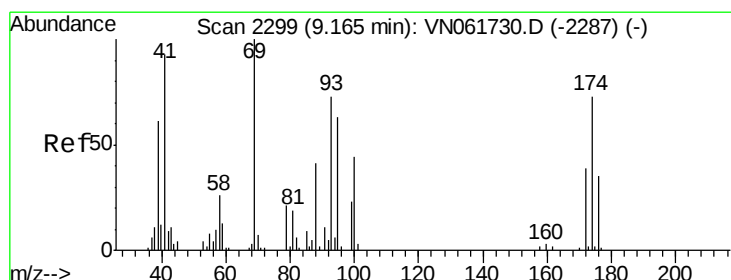
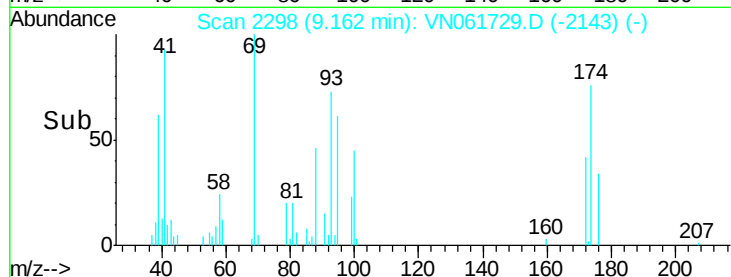
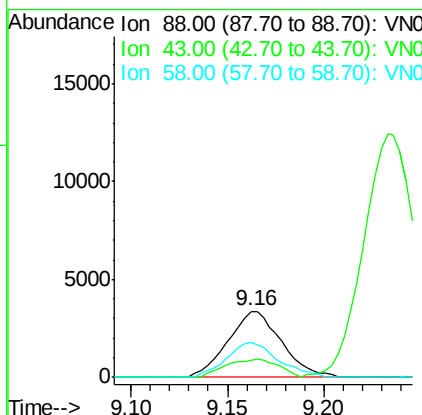
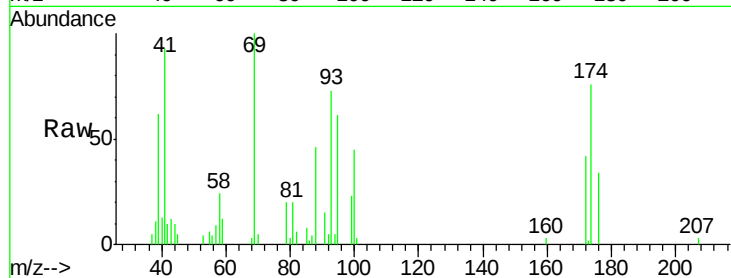
#45
 1,4-Dioxane
 Concen: 137.911 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	21.8	32.8
58	51.1	48.4	72.6

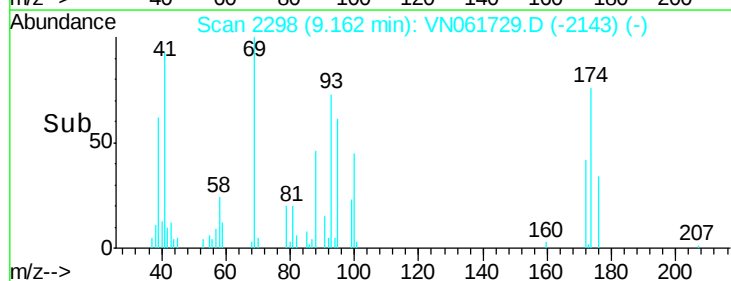
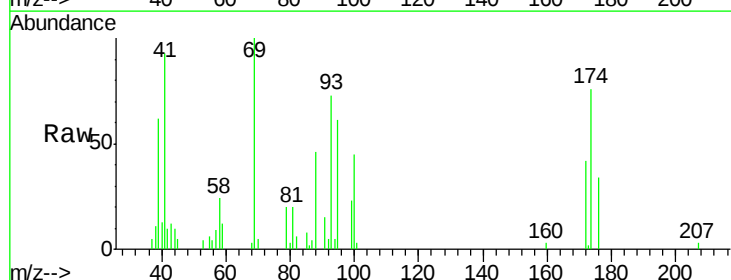
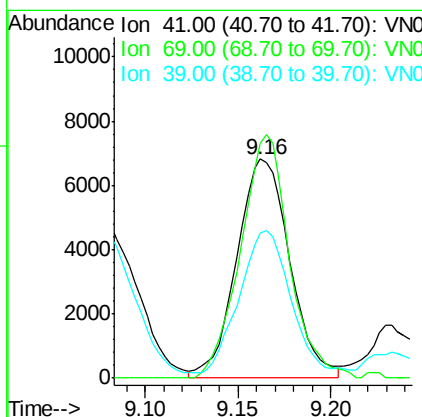
Manual Integrations
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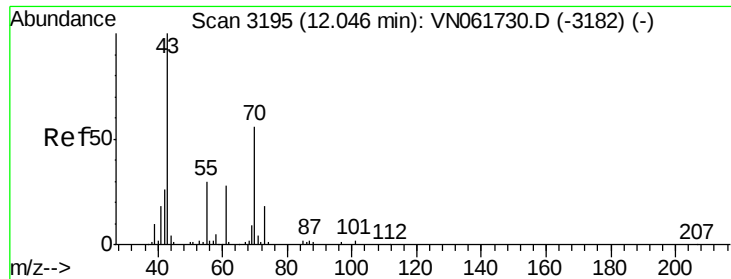
MMDadoda
 6/11/2020 12:44:24 PM



#46
 Methyl methacrylate
 Concen: 2.889 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	110.8	53.8	161.4
39	65.7	33.0	98.9





#47

n-amvl Acetate

Concen: 2.653 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23795

Ion Ratio Lower Upper

43 100

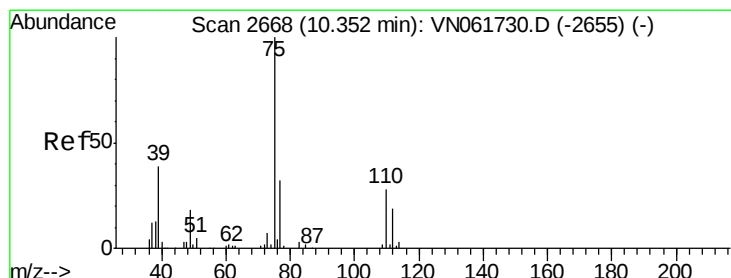
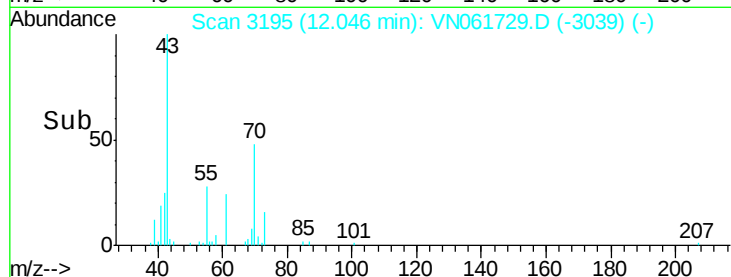
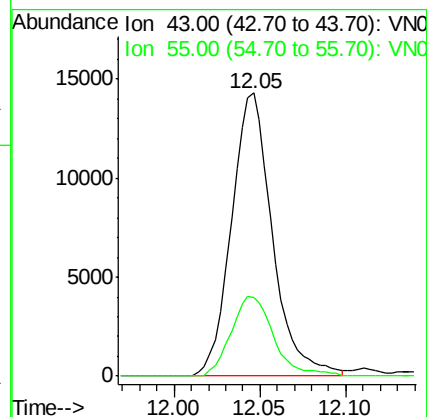
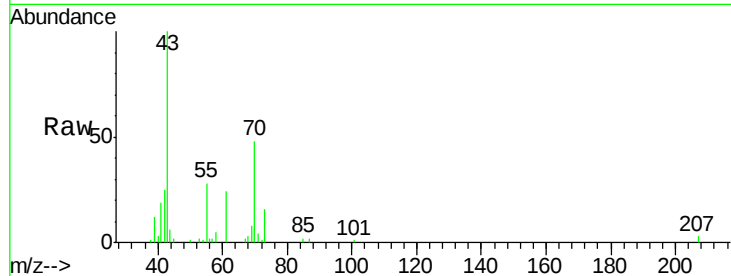
55 29.2 22.7 34.1

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 3.822 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061729.D

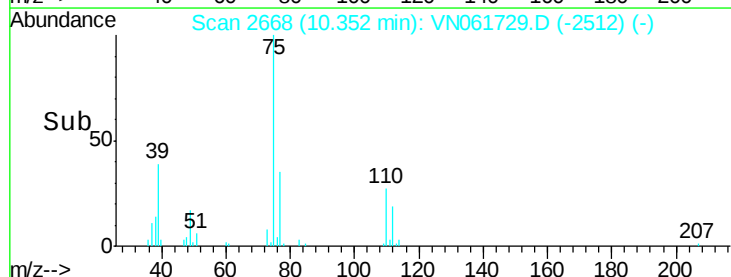
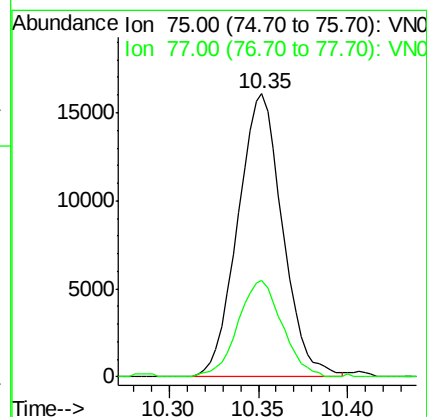
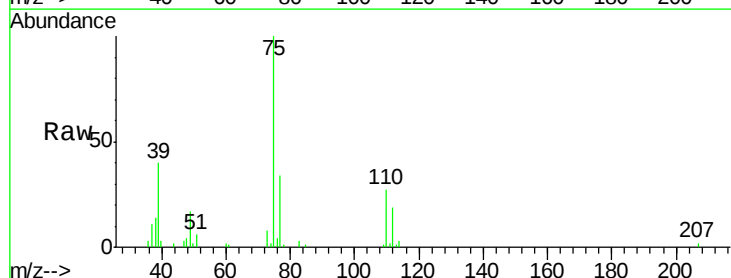
Acq: 10 Jun 2020 10:31

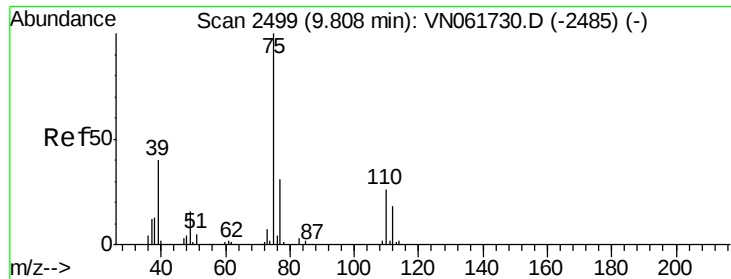
Tgt Ion: 75 Resp: 28233

Ion Ratio Lower Upper

75 100

77 34.3 25.4 38.2





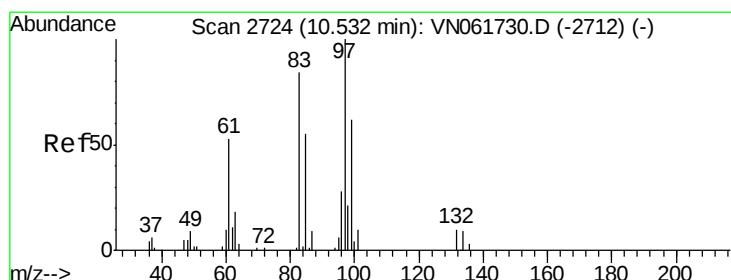
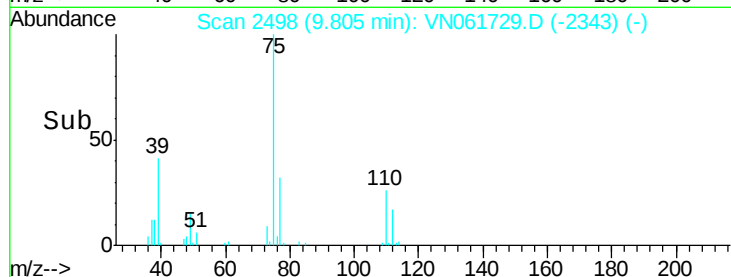
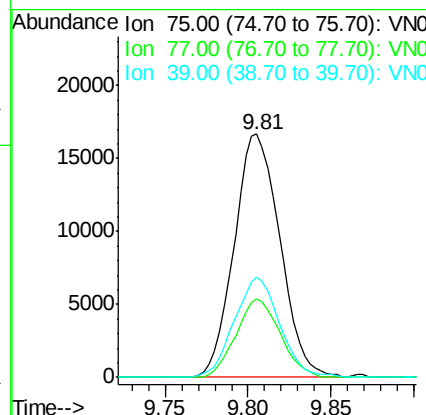
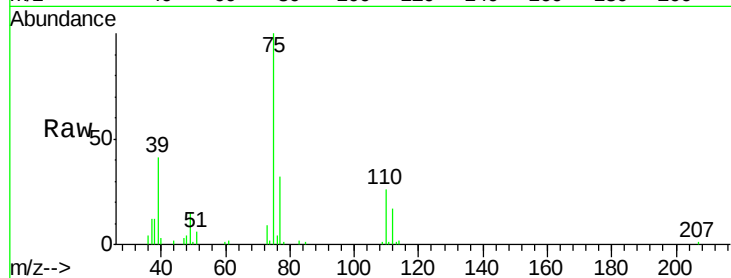
#49
 cis-1,3-Dichloropropene
 Concen: 4.057 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.8	37.2
39	41.1	31.8	47.6

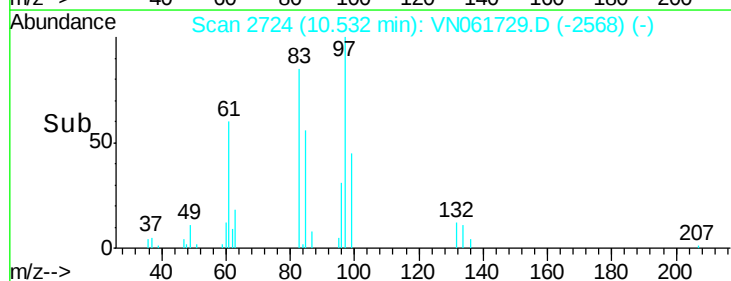
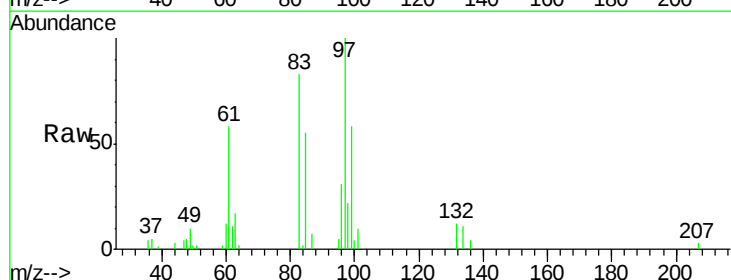
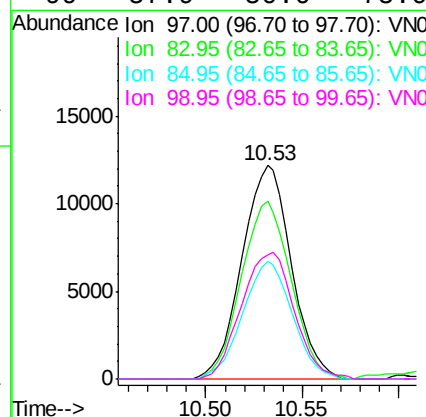
Manual Integrations
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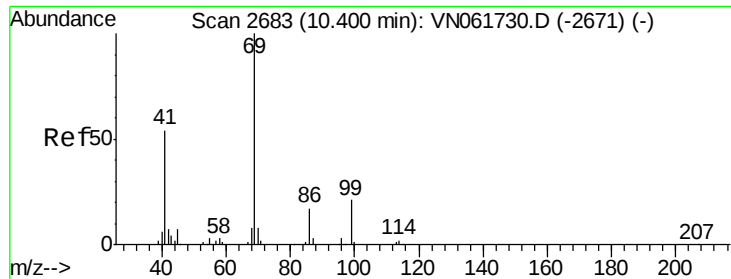
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#50
 1,1,2-Trichloroethane
 Concen: 5.211 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.6	101.4
85	55.0	44.0	66.0
99	57.9	50.0	75.0





#51

Ethyl methacrylate

Concen: 3.405 ug/l

RT: 10.40 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

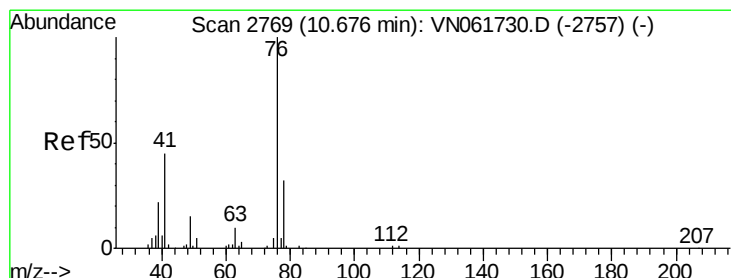
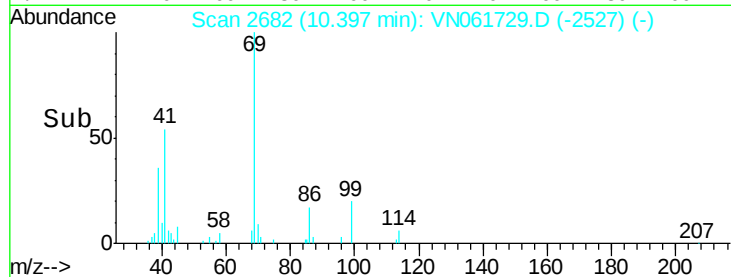
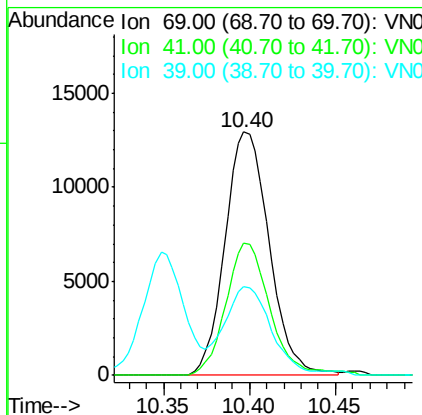
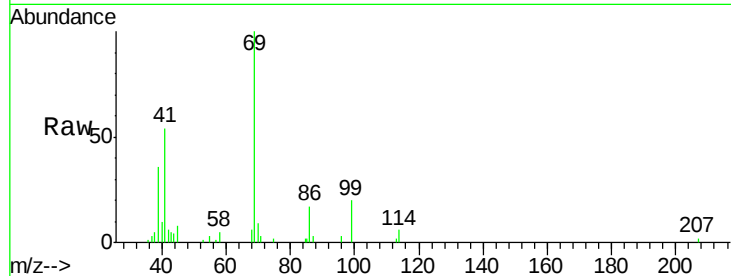
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	23239
Ion	Ratio	Lower	Upper
69	100		
41	54.2	26.9	80.7
39	34.8	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 4.550 ug/l

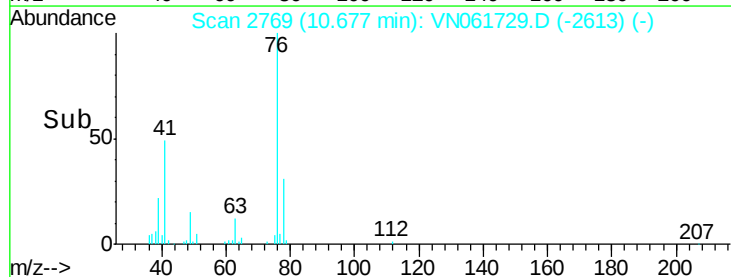
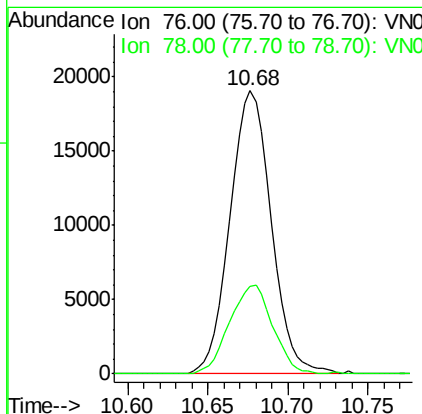
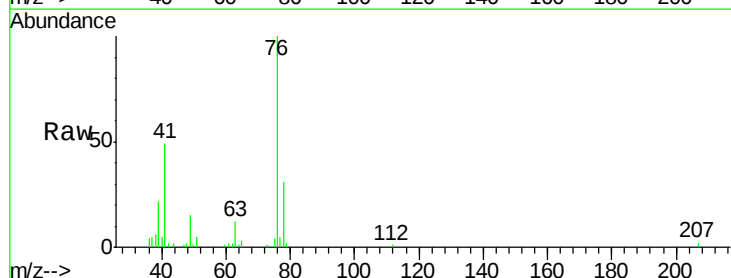
RT: 10.68 min Scan# 2769

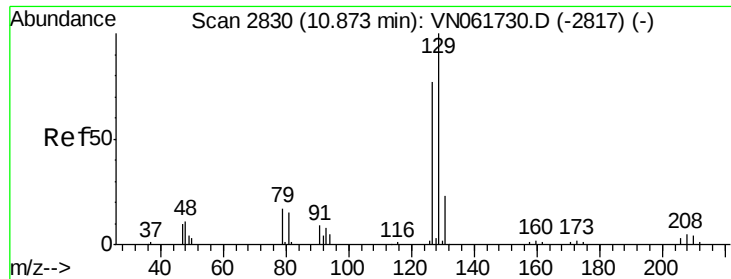
Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion:	76	Resp:	33576
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	65.8





#53

Dibromochloromethane

Concen: 5.217 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 24128

Ion Ratio Lower Upper

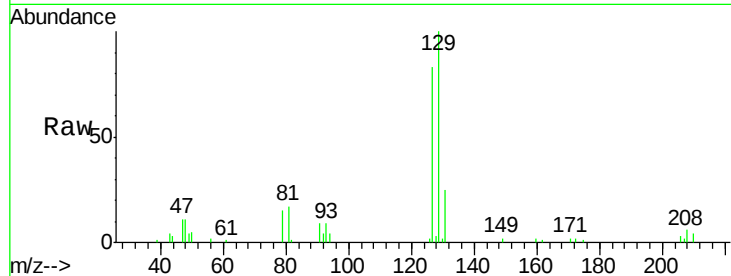
129 100

127 79.1 38.6 116.0

Manual Integrations
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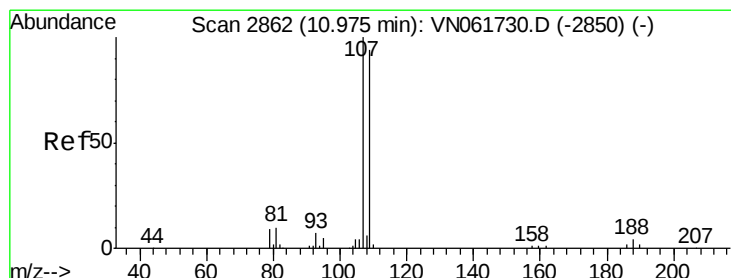
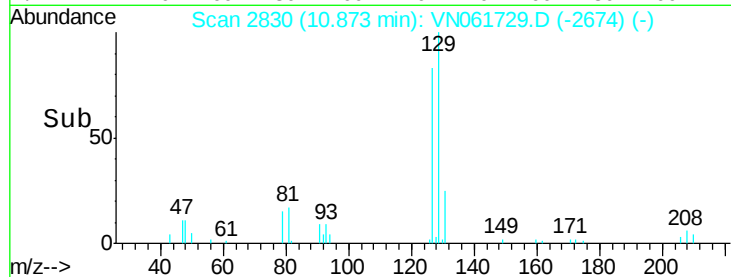
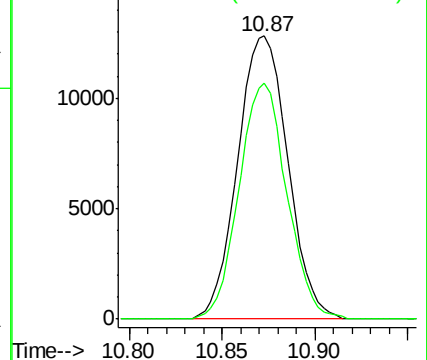
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.962 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN061729.D

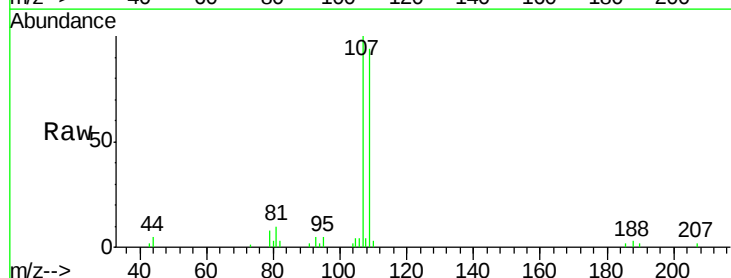
Acq: 10 Jun 2020 10:31

Tgt Ion:107 Resp: 21392

Ion Ratio Lower Upper

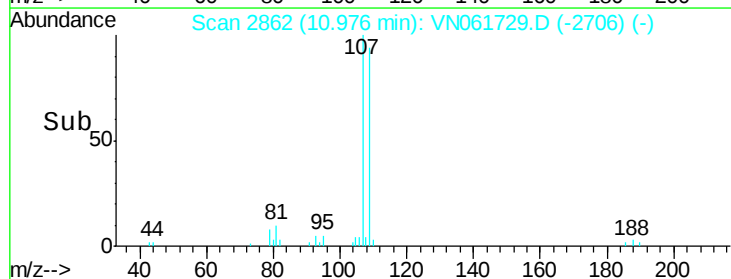
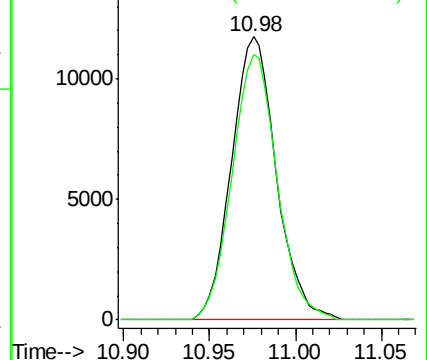
107 100

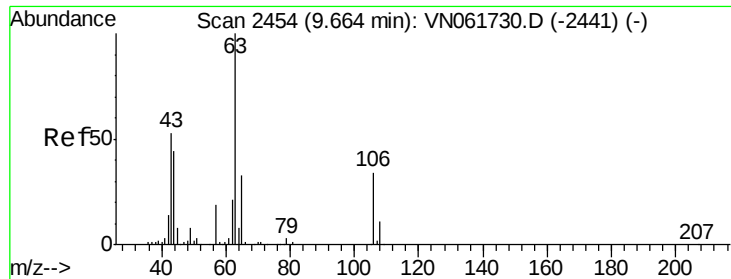
109 93.8 76.6 114.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





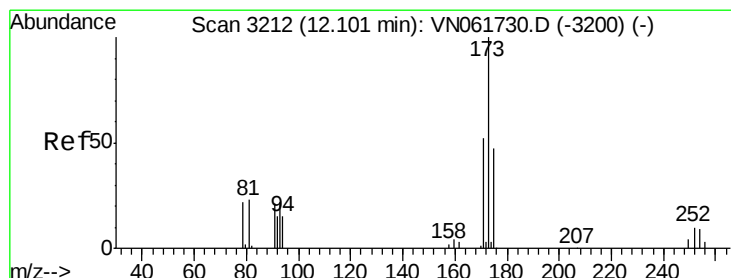
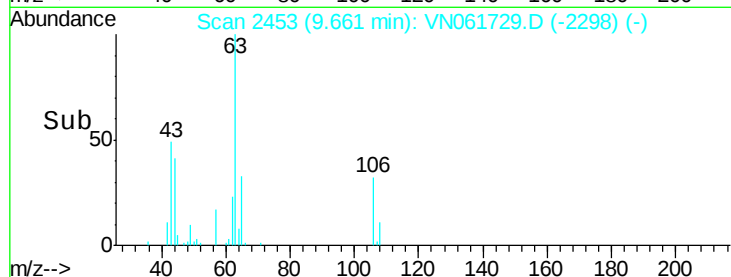
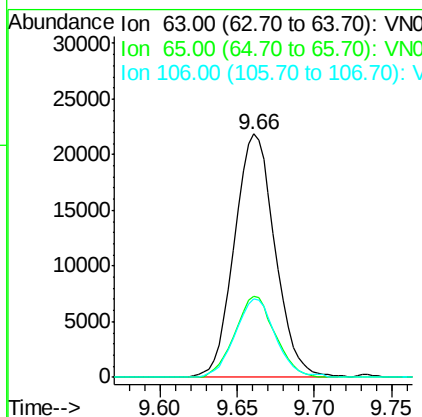
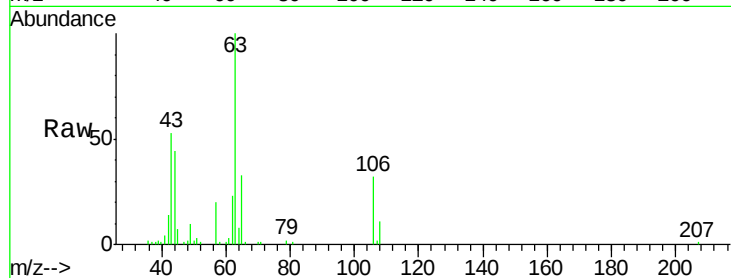
#55
2-Chloroethyl vinyl ether
Concen: 13.537 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.8	38.8
106	32.0	26.5	39.7

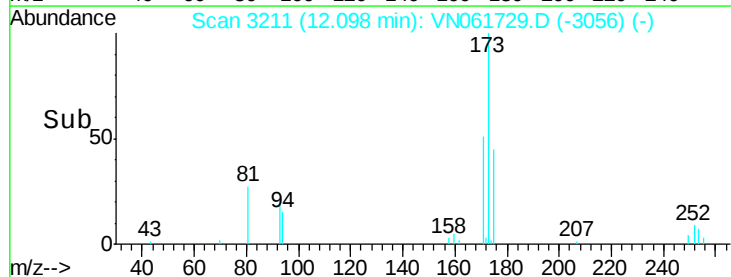
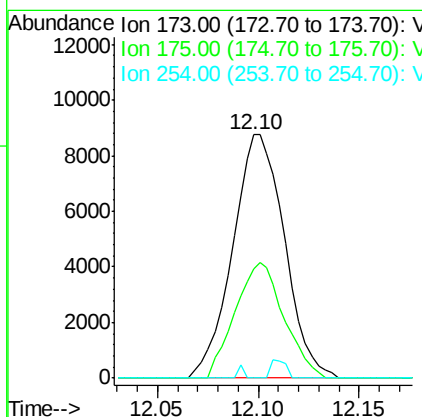
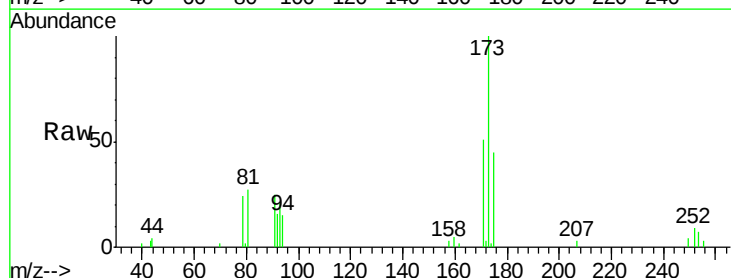
Manual Integrations
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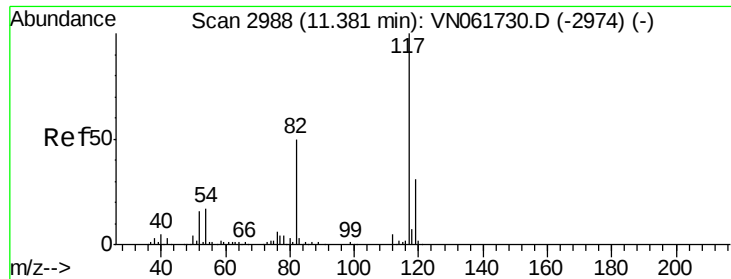
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#56
Bromoform
Concen: 5.324 ug/l
RT: 12.10 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.6	37.5	56.3
254	2.2	6.9	10.3#





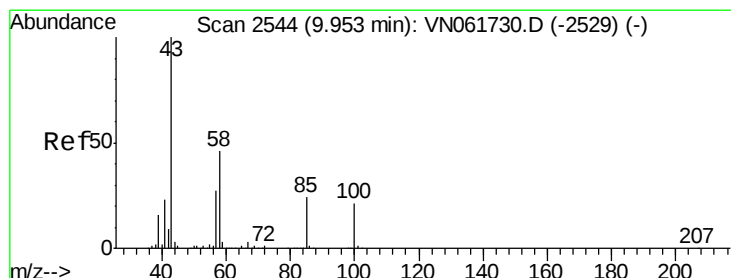
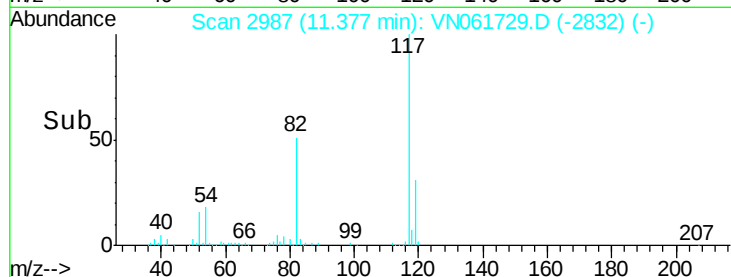
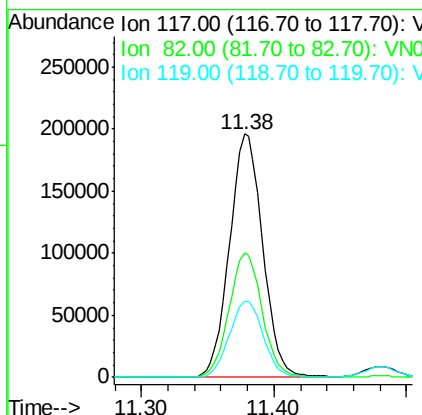
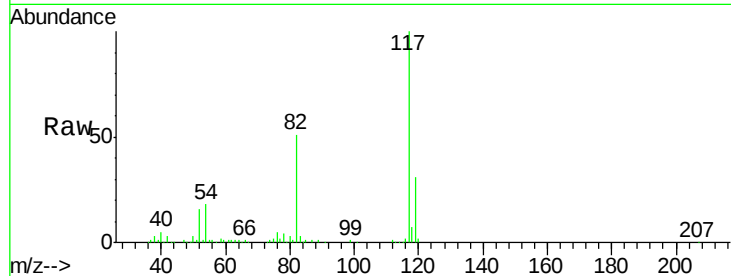
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.6	60.8
119	31.9	25.4	38.2

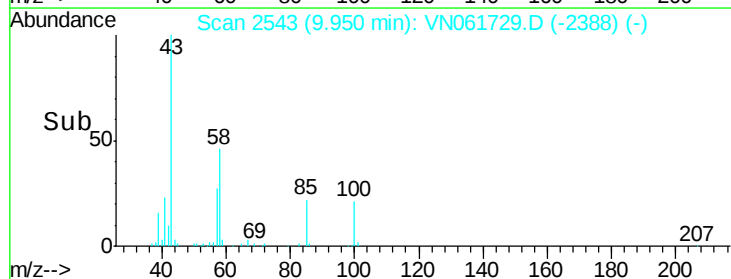
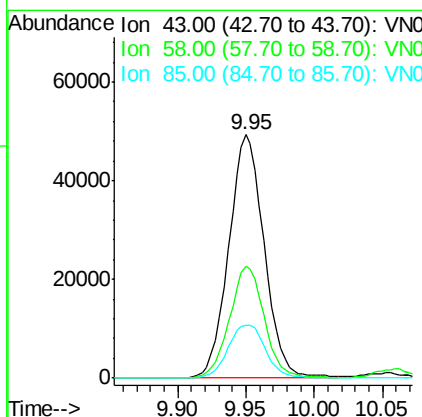
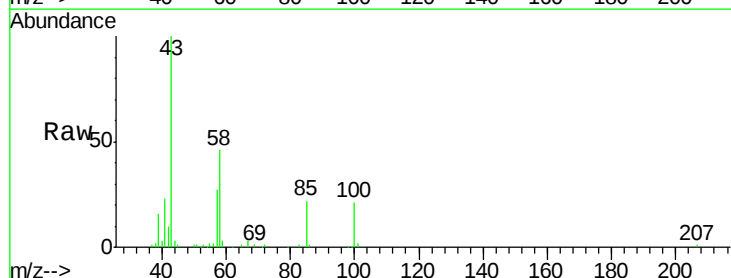
Manual Integrations
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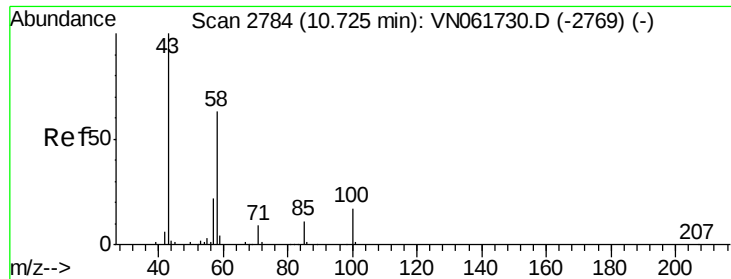
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 15.820 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	45.0	36.6	54.8
85	23.2	19.0	28.6





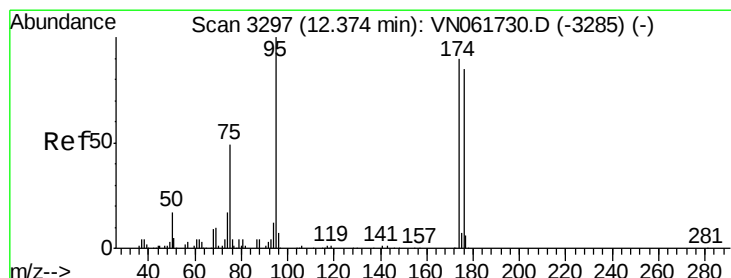
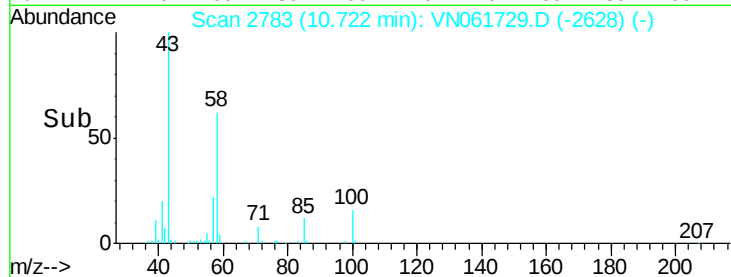
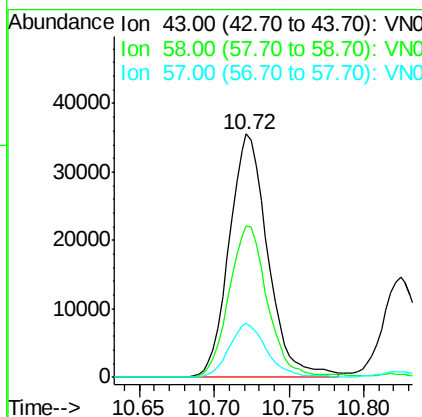
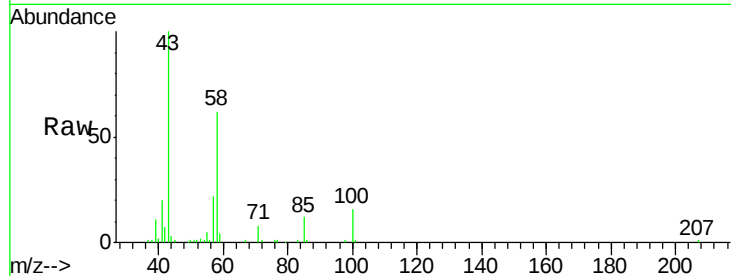
#59
2-Hexanone
Concen: 16.071 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	63919
Ion Ratio	Lower	Upper	
43	100		
58	62.1	50.4	75.6
57	21.2	17.2	25.8

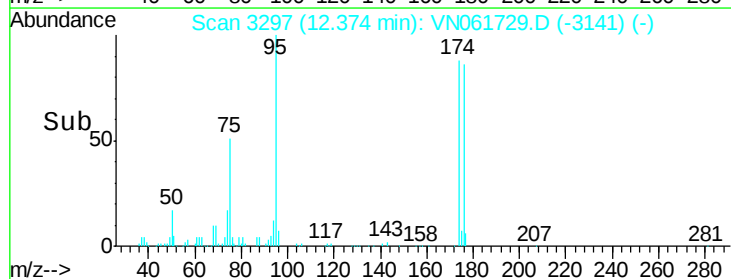
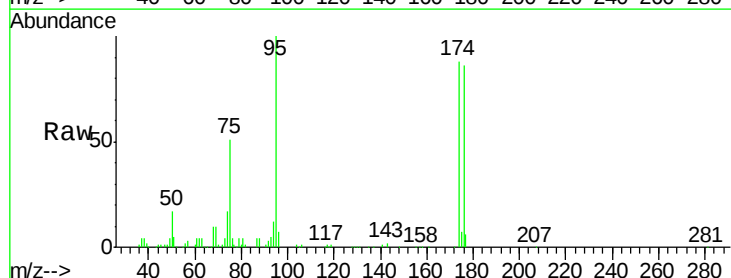
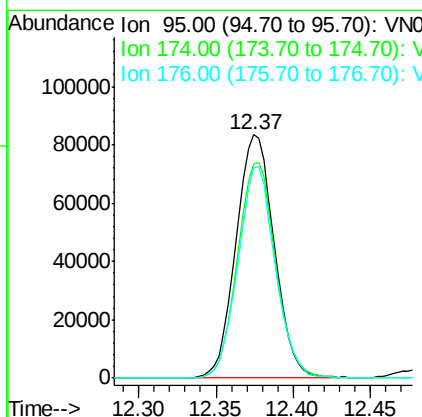
Manual Integrations
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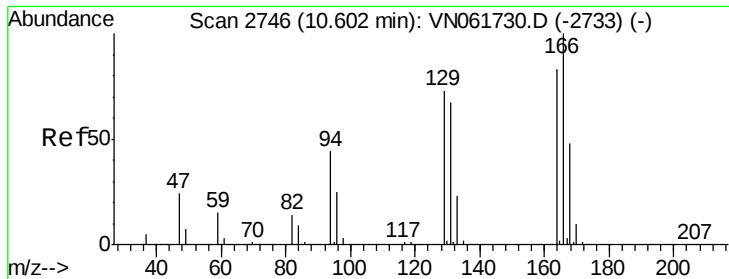
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 25.238 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion:	95	Resp:	143464
Ion Ratio	Lower	Upper	
95	100		
174	88.4	72.8	109.2
176	84.8	69.2	103.8





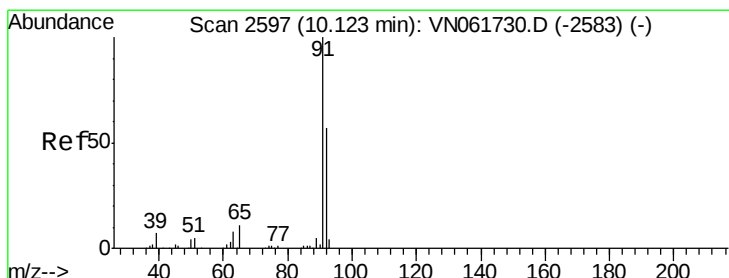
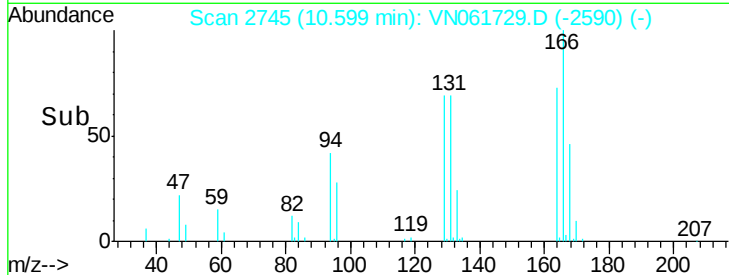
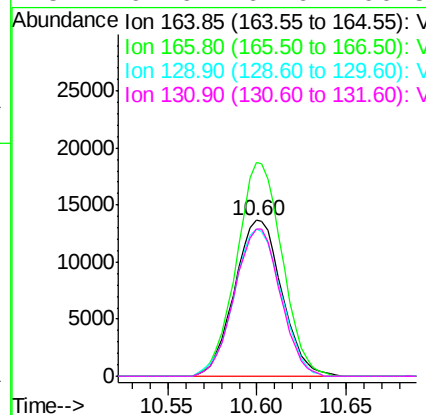
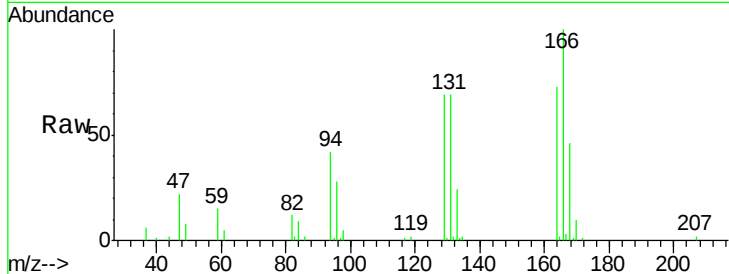
#61
 Tetrachloroethene
 Concen: 5.736 ug/l
 RT: 10.60 min Scan# 2745
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	136.8	96.6	144.8
129	94.2	70.1	105.1
131	94.6	64.6	96.8

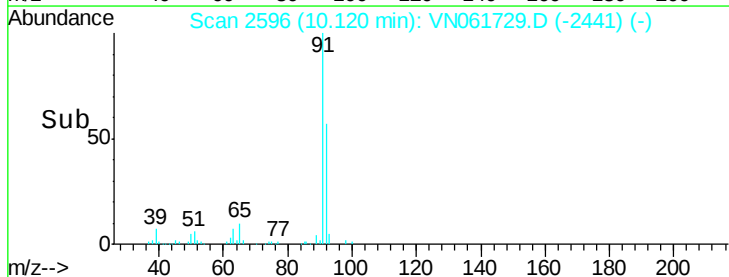
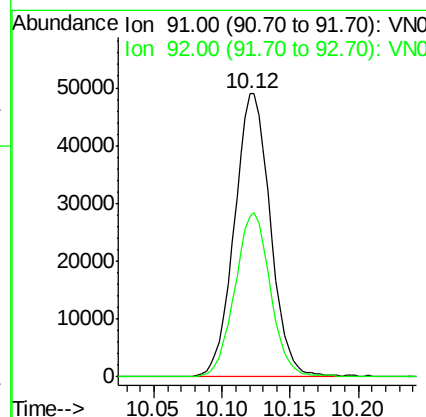
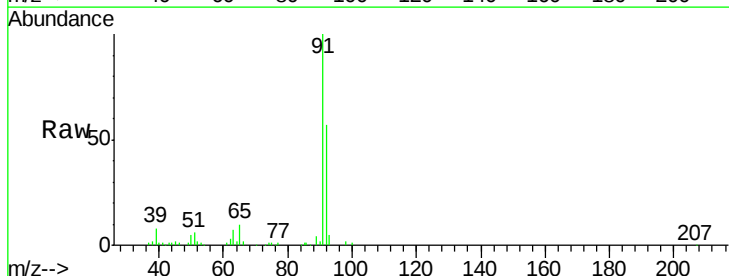
Manual Integrations
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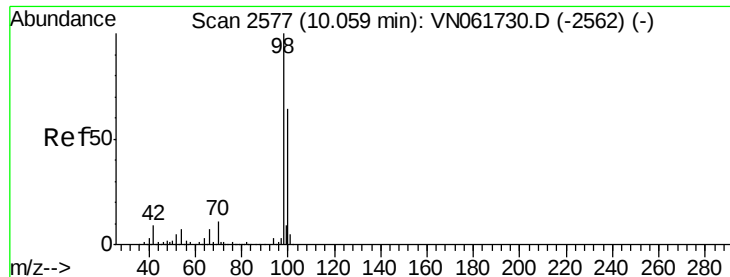
MMDadoda
 6/11/2020 12:44:24 PM



#62
 Toluene
 Concen: 4.685 ug/l
 RT: 10.12 min Scan# 2596
 Delta R.T. -0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.8	68.8





#63

Toluene-d8

Concen: 28.404 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 98 Resp: 442177

Ion Ratio Lower Upper

98 100

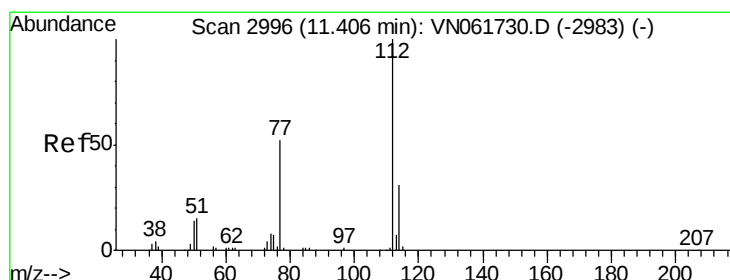
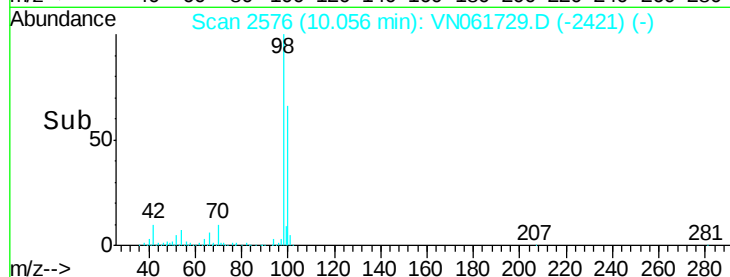
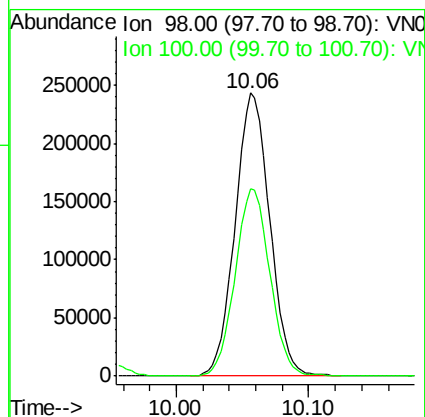
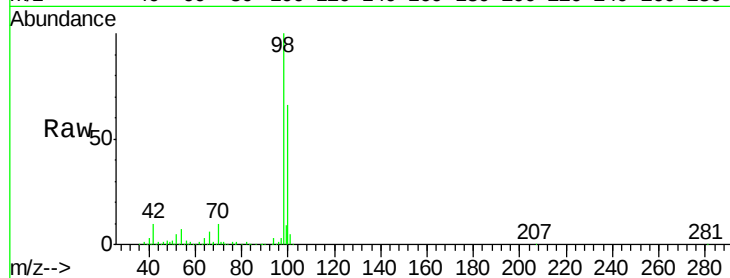
100 66.4 52.2 78.4

Manual Integrations

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#64

Chlorobenzene

Concen: 5.097 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061729.D

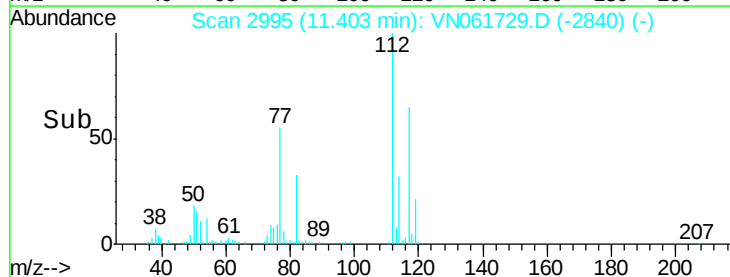
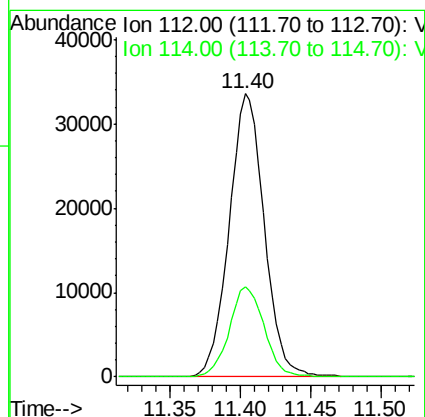
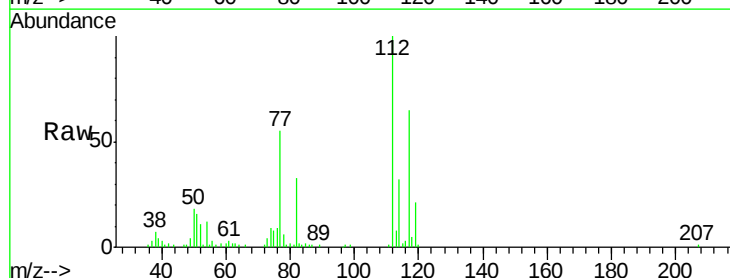
Acq: 10 Jun 2020 10:31

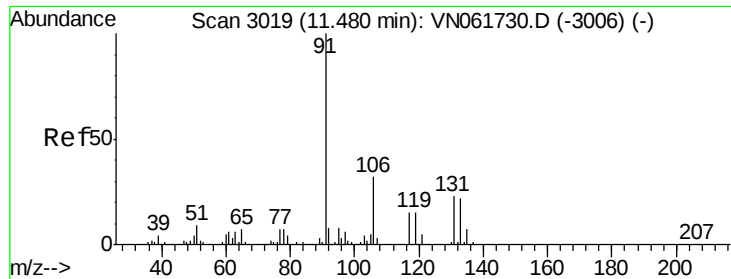
Tgt Ion: 112 Resp: 58453

Ion Ratio Lower Upper

112 100

114 31.9 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 5.351 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

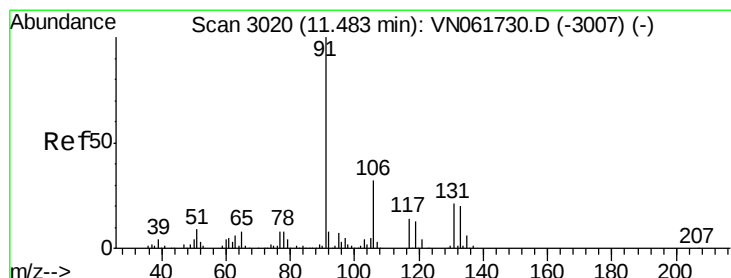
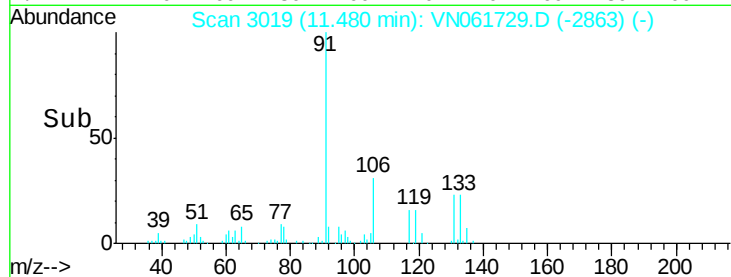
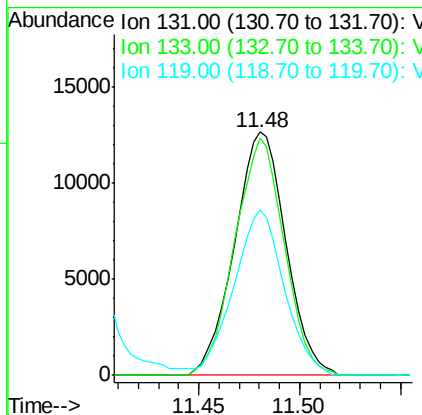
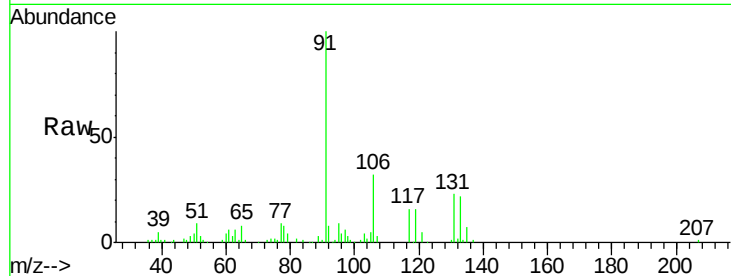
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
131	100	22552		
133	93.7	0.0	189.4	
119	66.5	0.0	130.8	

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#66

Ethyl Benzene

Concen: 4.388 ug/l

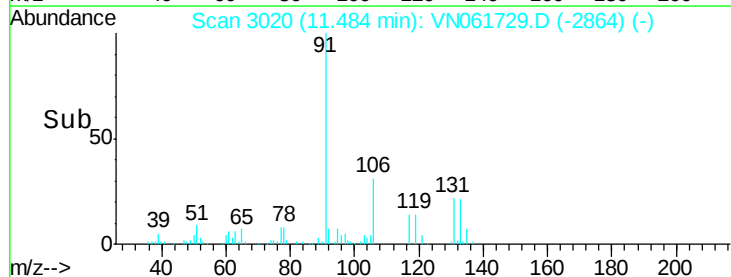
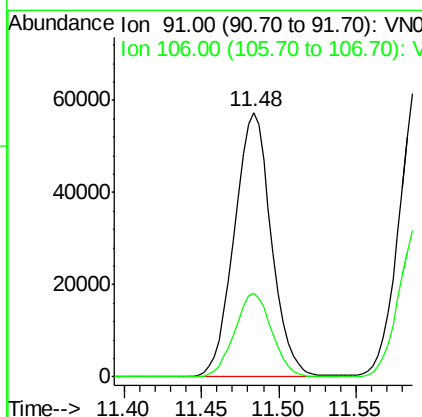
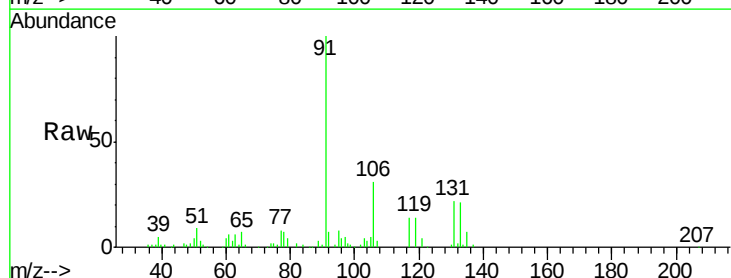
RT: 11.48 min Scan# 3020

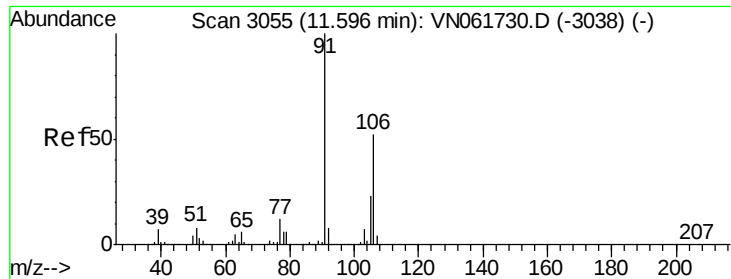
Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	95342		
106	31.4	25.7	38.5	





#67

m/p-Xylenes

Concen: 9.043 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 73571

Ion Ratio Lower Upper

106 100

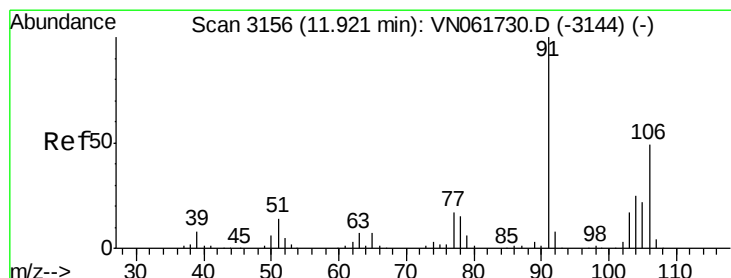
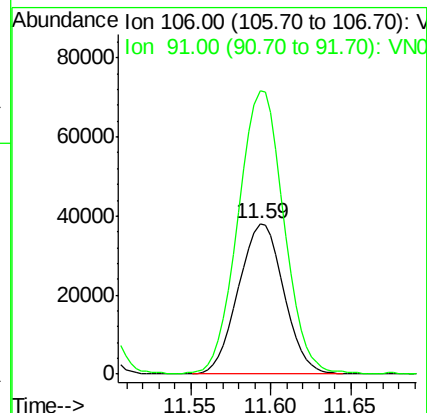
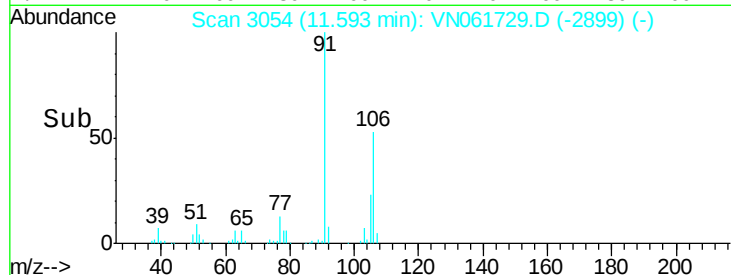
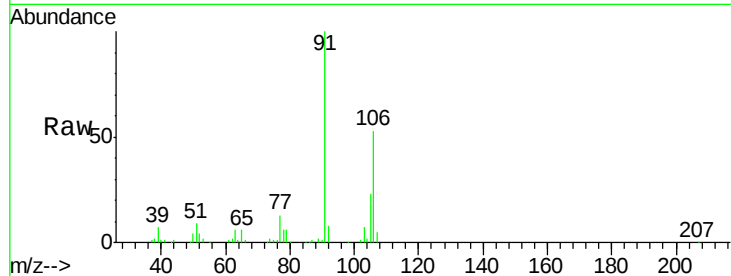
91 189.2 156.2 234.4

Manual Integrations

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#68

o-Xylene

Concen: 4.368 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061729.D

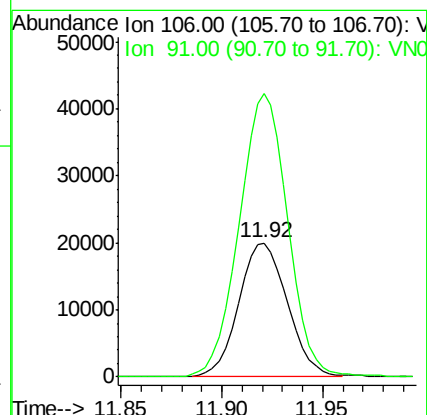
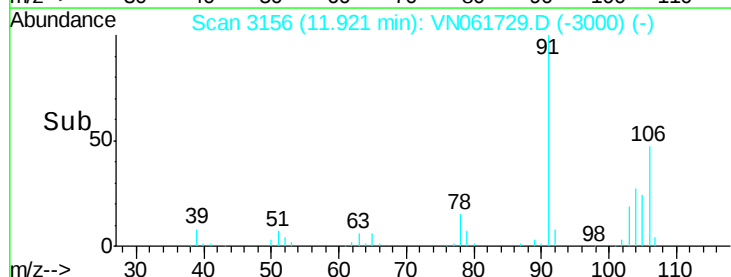
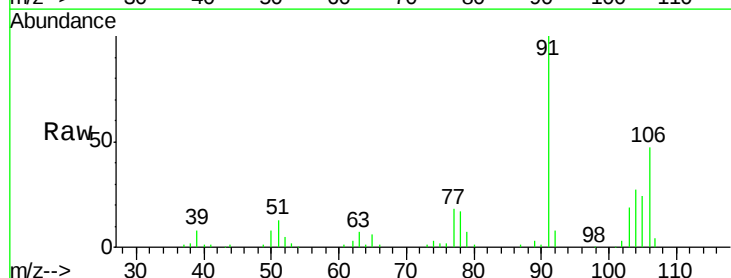
Acq: 10 Jun 2020 10:31

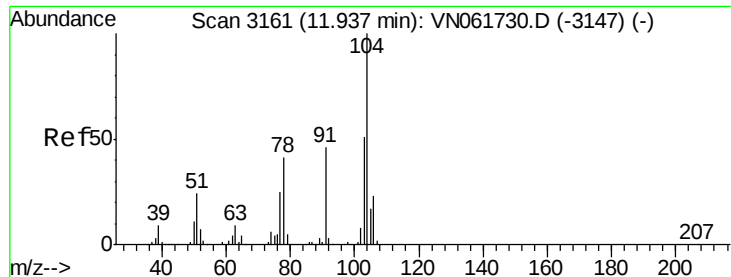
Tgt Ion:106 Resp: 33804

Ion Ratio Lower Upper

106 100

91 210.1 101.9 305.7





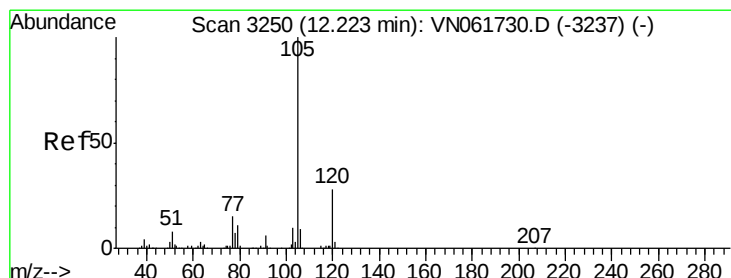
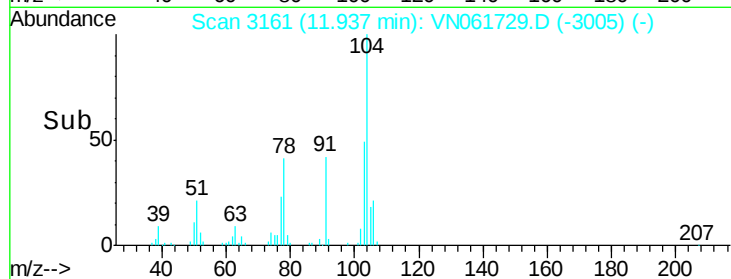
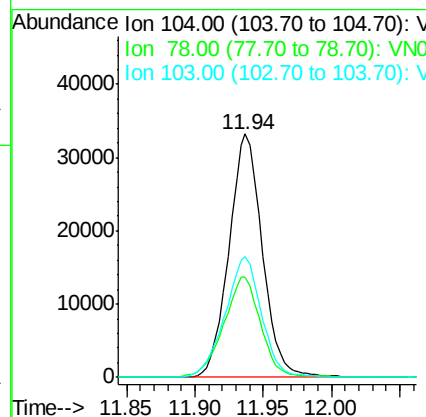
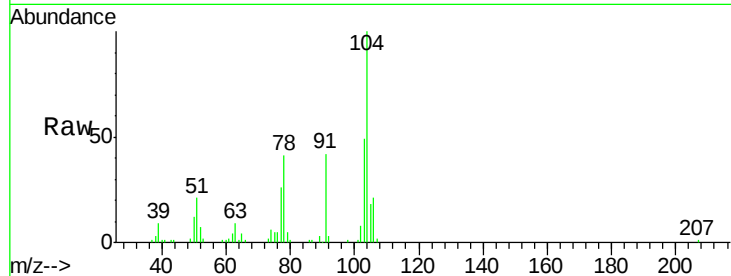
#69
Stvrene
Concen: 4.249 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.6	36.5	54.7
103	54.0	43.4	65.2

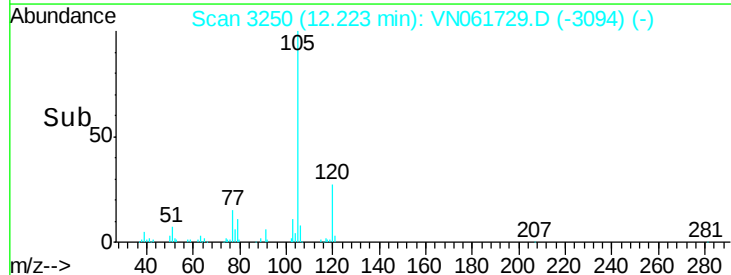
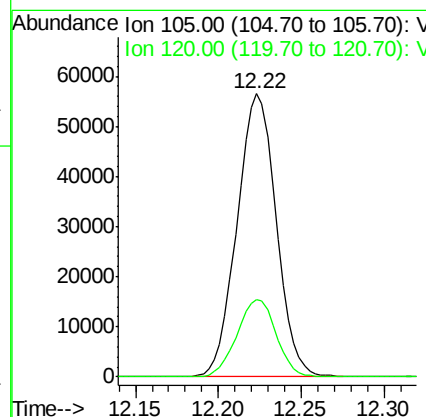
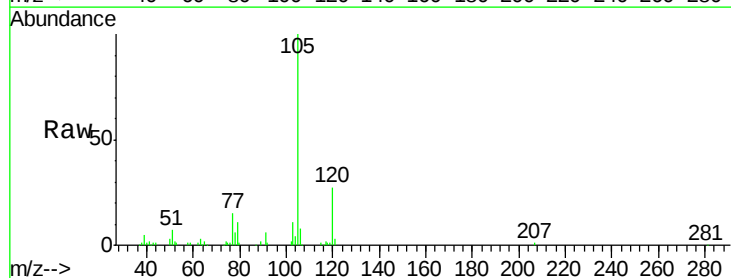
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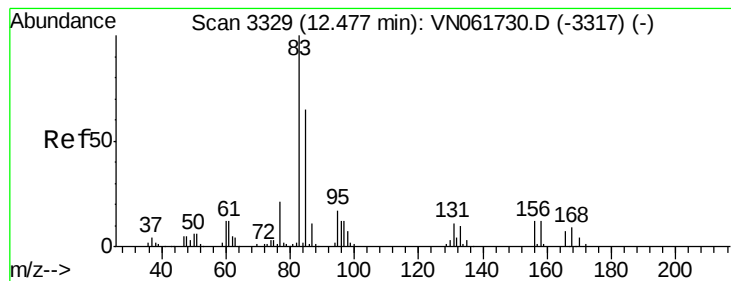
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#70
Isopropylbenzene
Concen: 4.442 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.3	35.8





#71

1,1,2,2-Tetrachloroethane

Concen: 4.789 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 27339

Ion Ratio Lower Upper

83 100

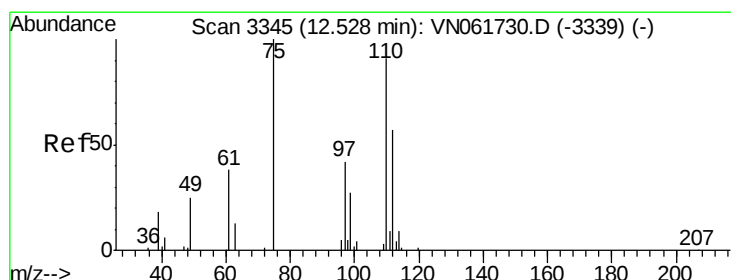
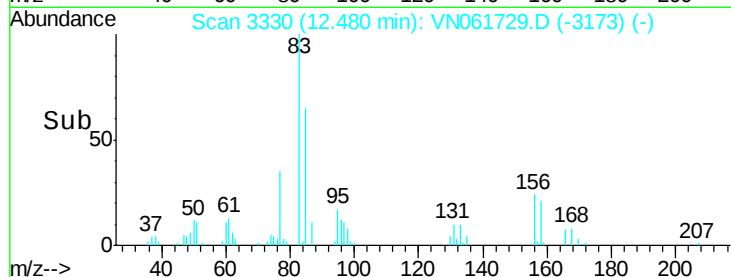
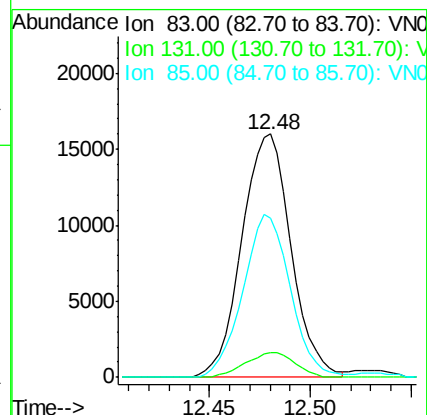
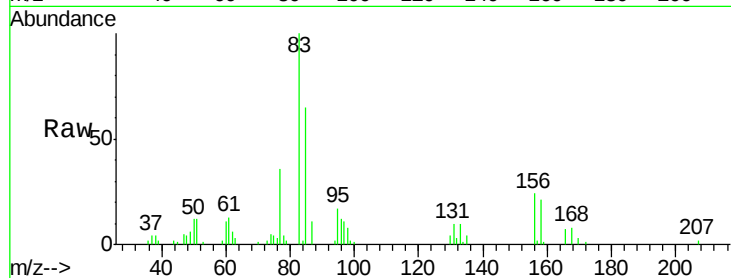
131 10.2 5.7 17.0

85 64.5 33.0 98.9

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#72

1,2,3-Trichloropropane

Concen: 4.492 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061729.D

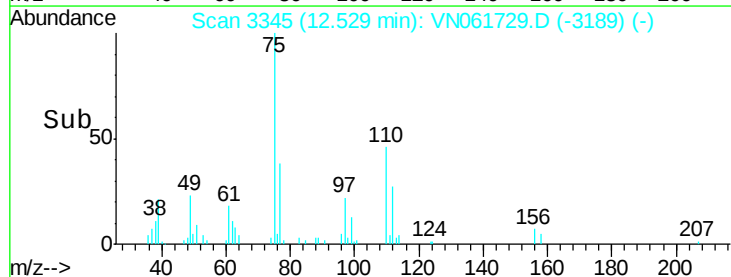
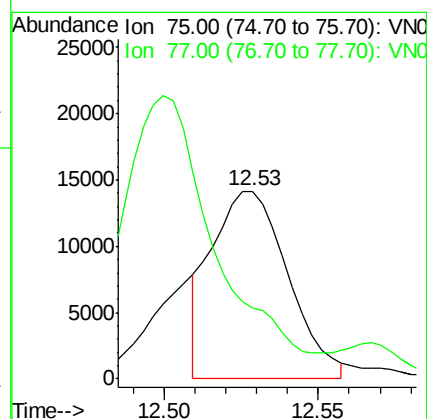
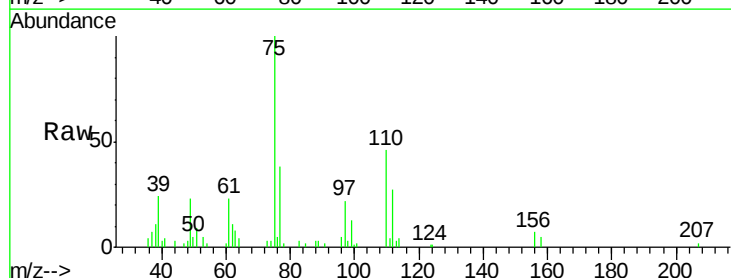
Acq: 10 Jun 2020 10:31

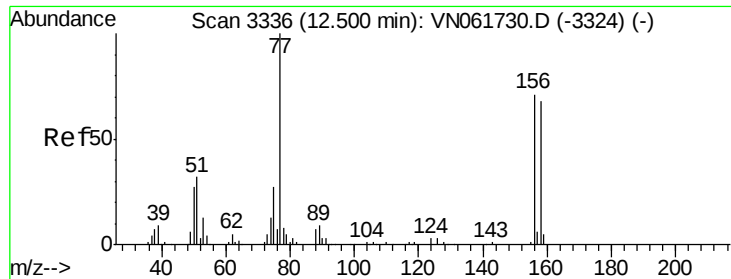
Tgt Ion: 75 Resp: 24225

Ion Ratio Lower Upper

75 100

77 188.4 0.0 371.8





#73

Bromobenzene

Concen: 5.603 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

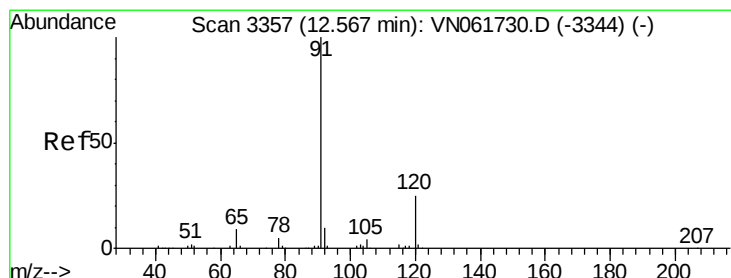
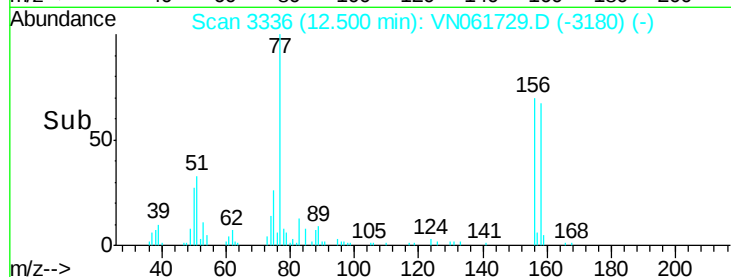
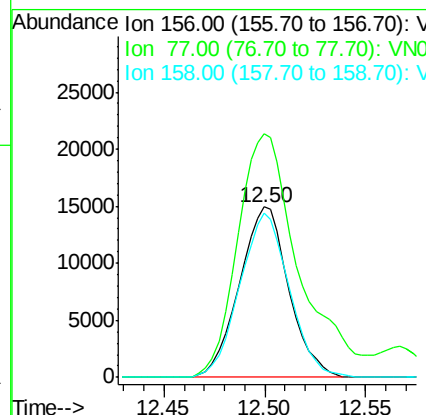
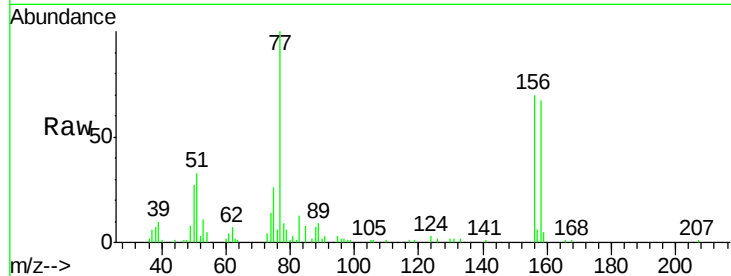
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	25515
Ion Ratio	Lower	Upper	
156	100		
77	178.9	0.0	350.0
158	97.0	0.0	195.4

Manual Integrations
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#74

n-propylbenzene

Concen: 4.311 ug/l

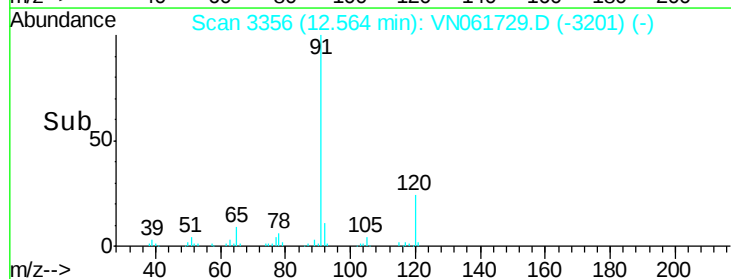
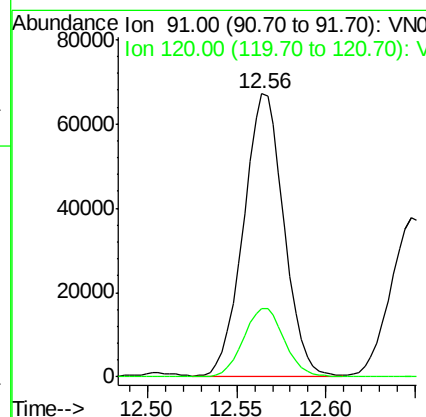
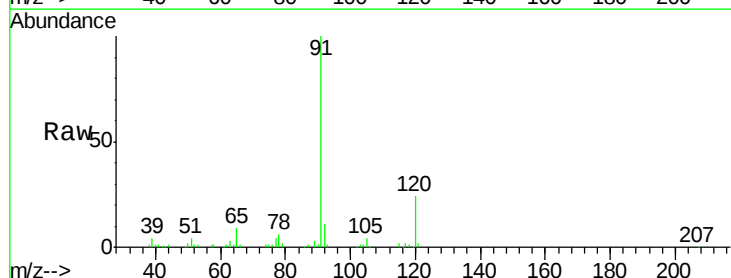
RT: 12.56 min Scan# 3356

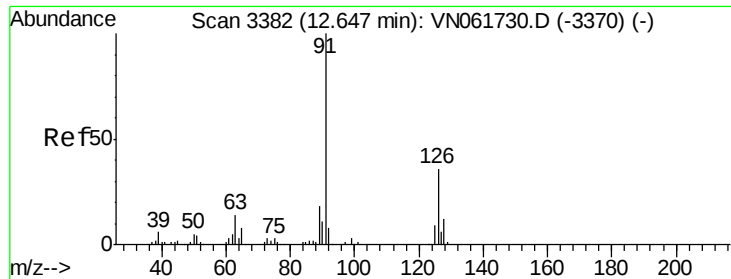
Delta R.T. -0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion:	91	Resp:	106415
Ion Ratio	Lower	Upper	
91	100		
120	24.5	0.0	48.4





#75

2-Chlorotoluene

Concen: 4.528 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 64062

Ion Ratio Lower Upper

91 100

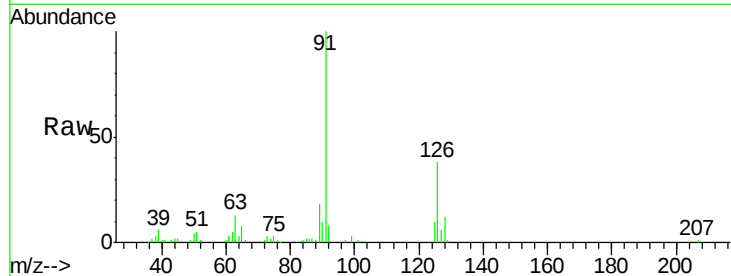
126 36.1 0.0 72.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061730.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061730.D (-3370) (-)

50000

40000

30000

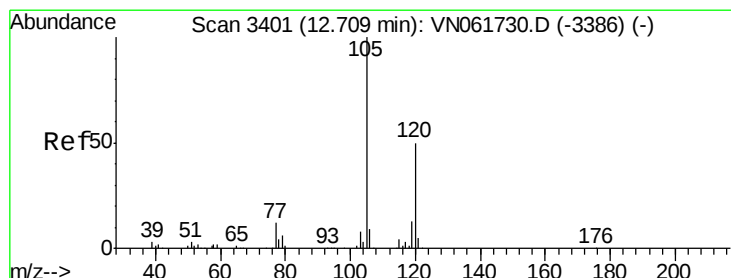
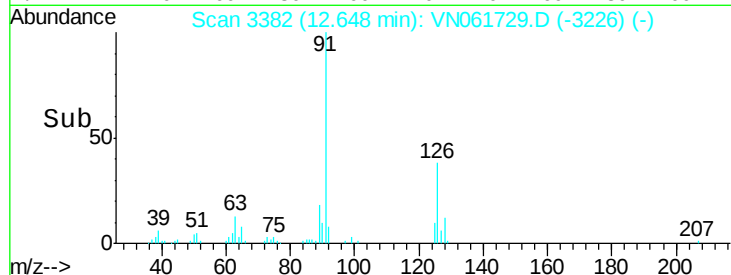
20000

10000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.394 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061729.D

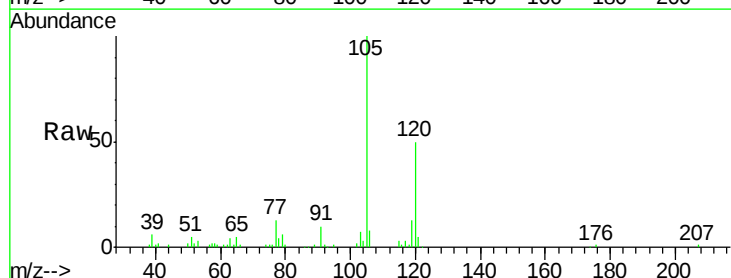
Acq: 10 Jun 2020 10:31

Tgt Ion: 105 Resp: 76999

Ion Ratio Lower Upper

105 100

120 50.2 0.0 101.6



Abundance Ion 105.00 (104.70 to 105.70): VN061730.D (-3386) (-)

Ion 120.00 (119.70 to 120.70): VN061730.D (-3386) (-)

50000

40000

30000

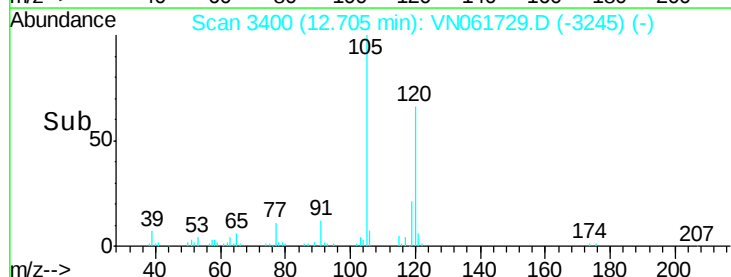
20000

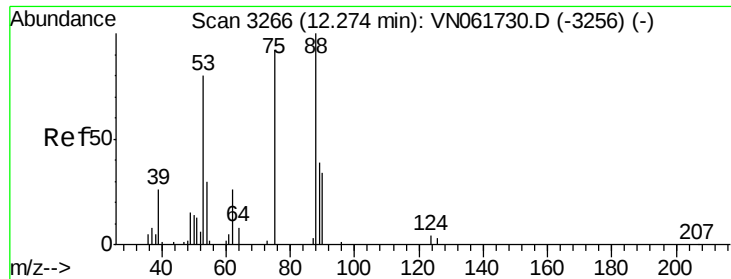
10000

0

12.65 12.70 12.75

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 3.159 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

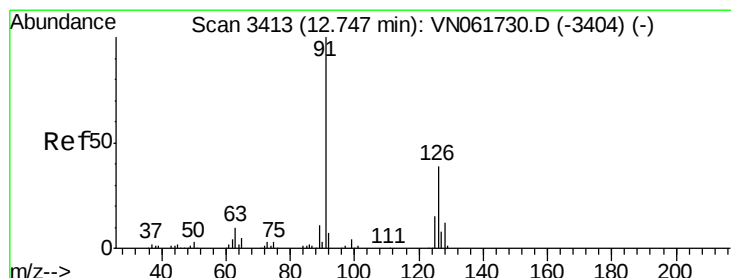
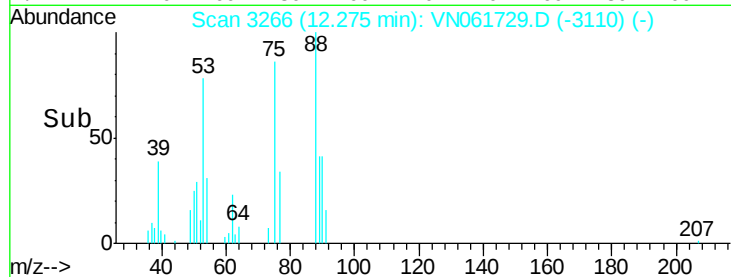
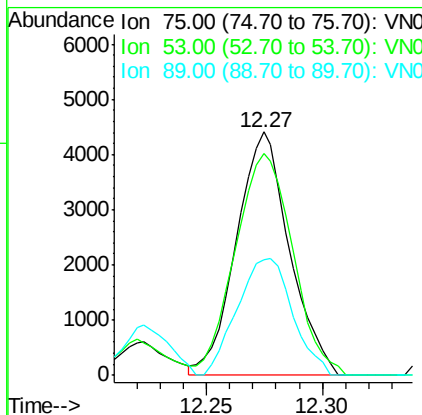
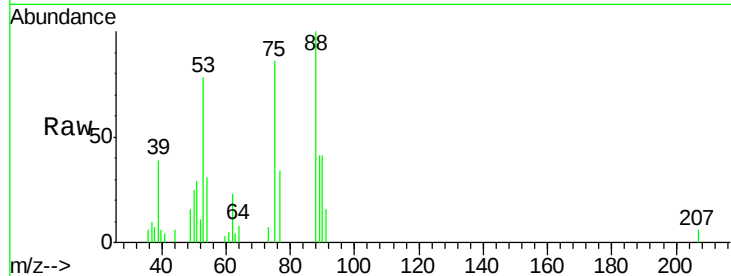
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	7035
Ion	Ratio	Lower	Upper
75	100		
53	87.0	43.8	131.4
89	47.7	23.1	69.2

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#78

4-Chlorotoluene

Concen: 4.382 ug/l

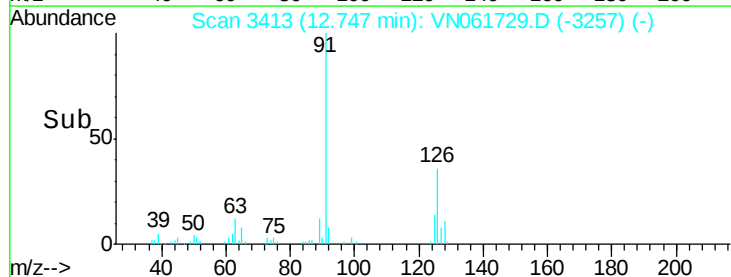
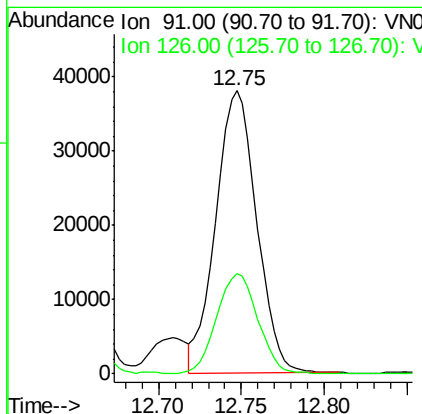
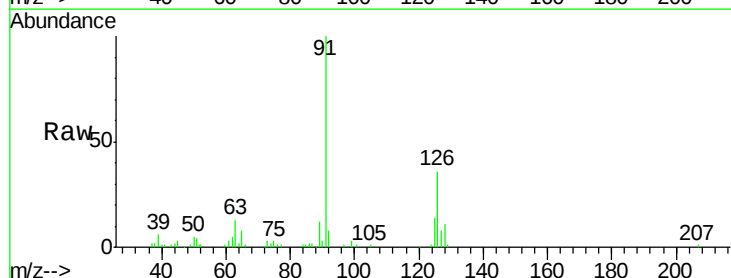
RT: 12.75 min Scan# 3413

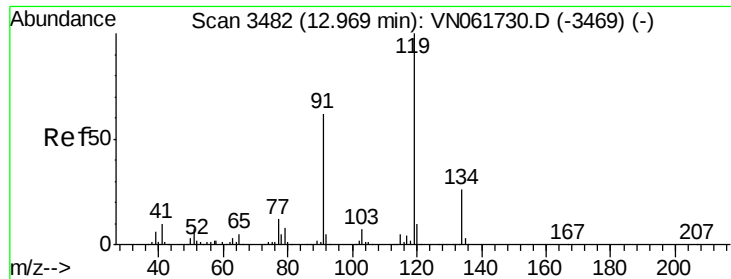
Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion:	91	Resp:	65067
Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	70.4





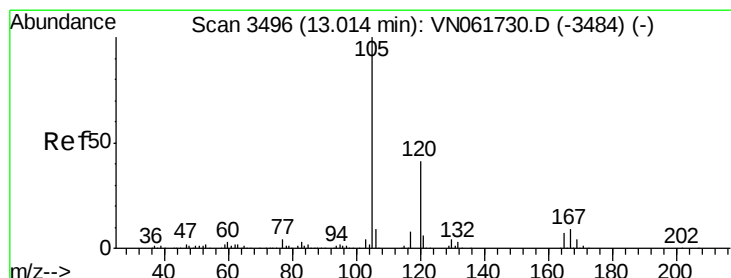
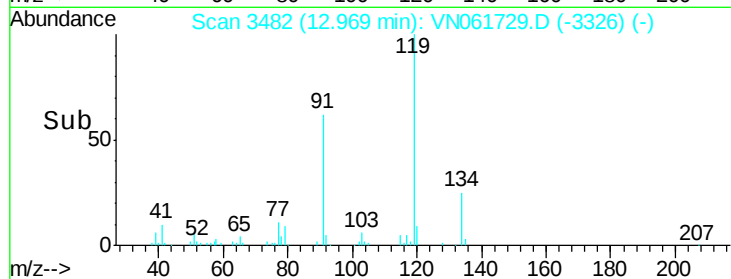
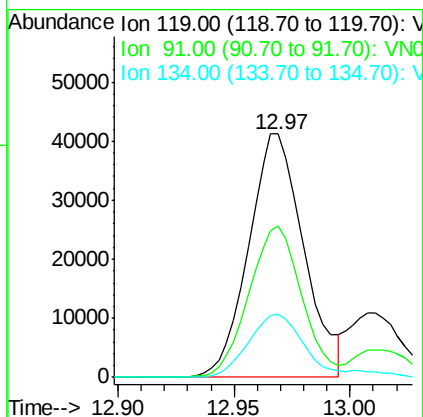
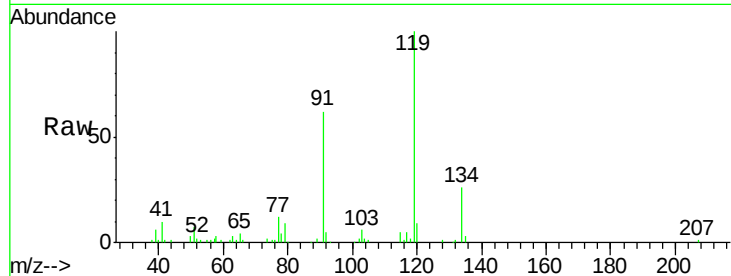
#79
tert-butylbenzene
Concen: 4.669 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	0.0	124.6
134	25.5	0.0	51.4

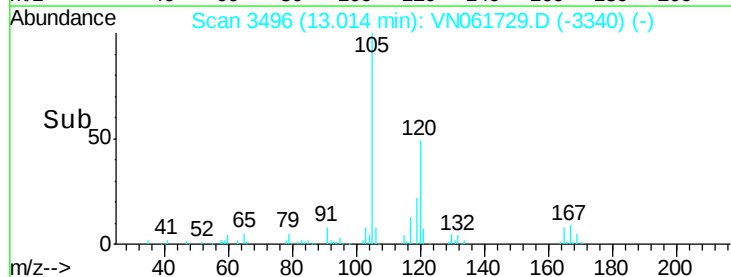
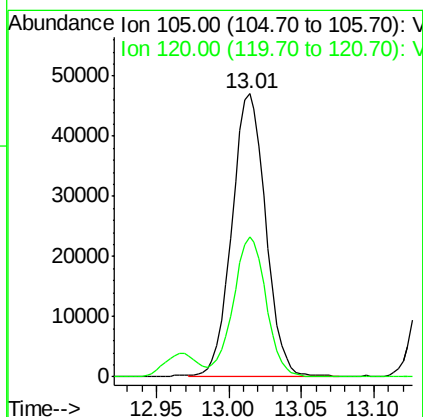
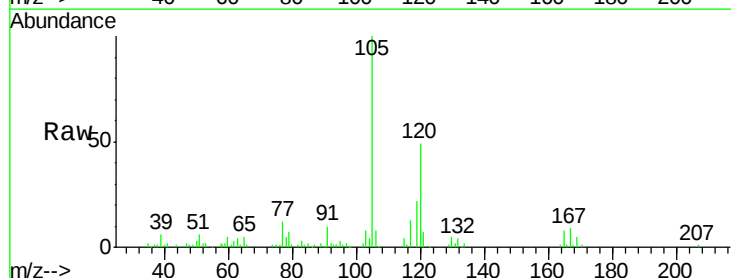
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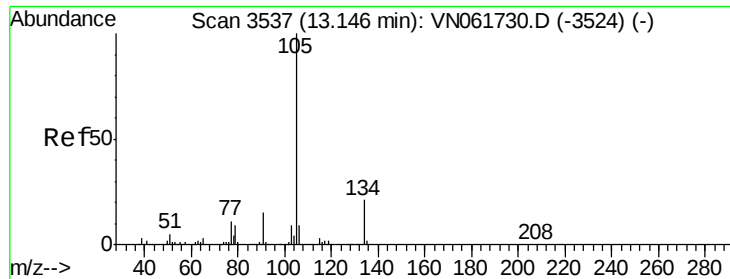
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#80
1,2,4-Trimethylbenzene
Concen: 4.334 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.2	0.0	95.4





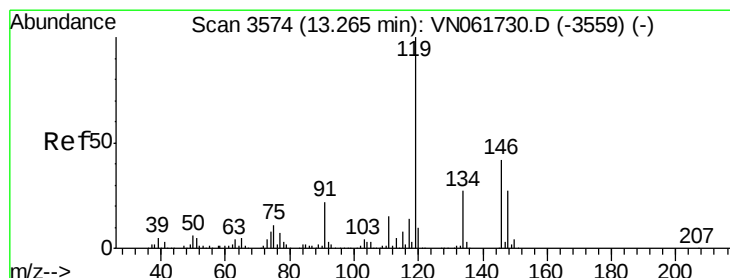
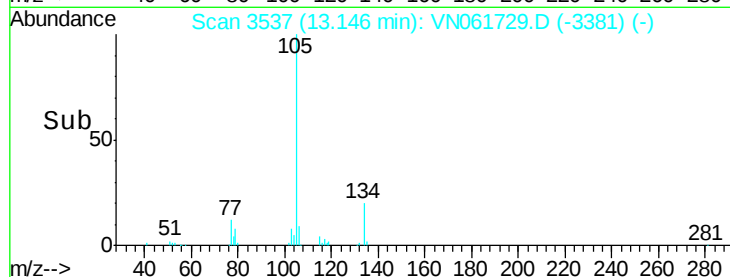
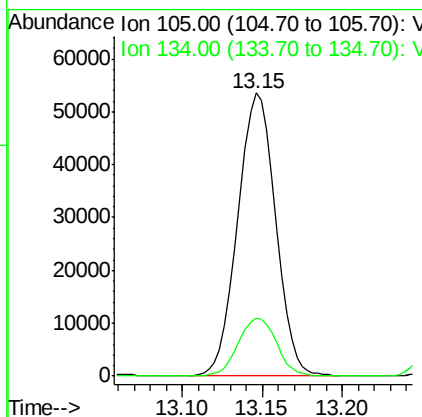
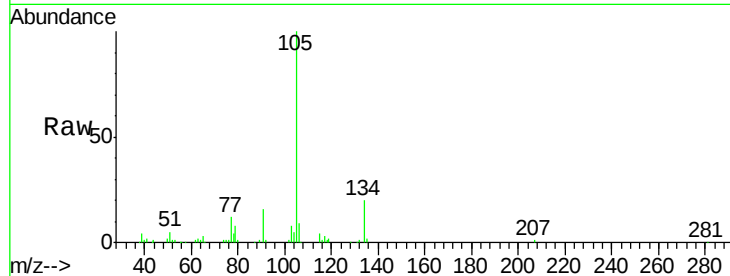
#81
 sec-Butylbenzene
 Concen: 4.343 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	41.8

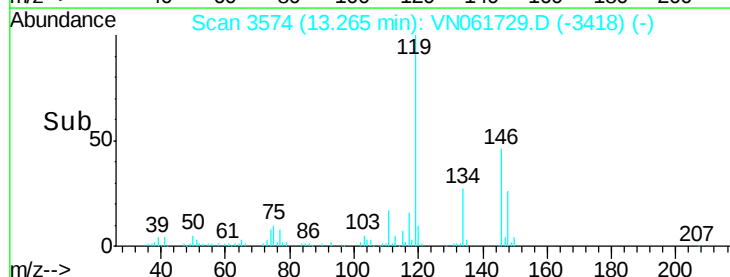
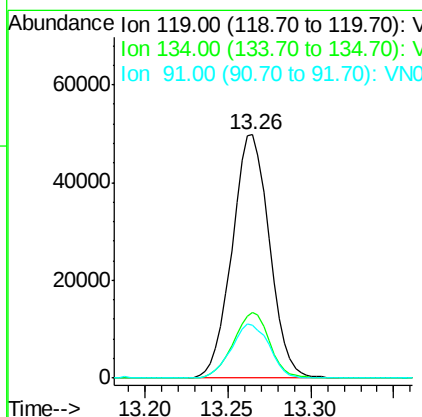
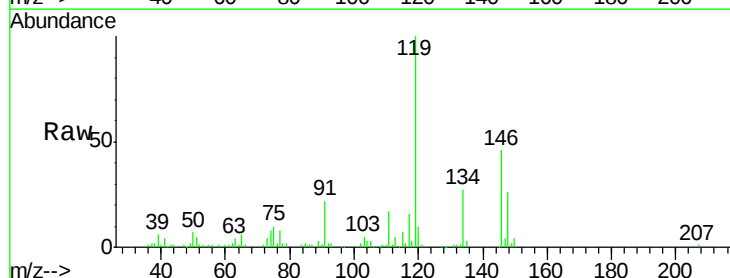
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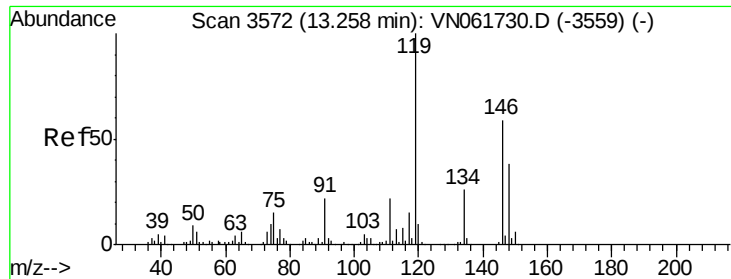
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#82
 p-Isopropyltoluene
 Concen: 4.328 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	53.4
91	22.7	0.0	45.2





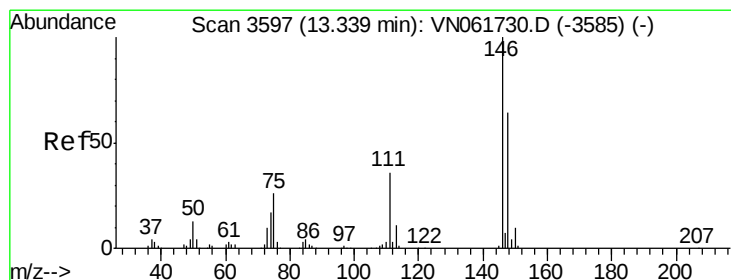
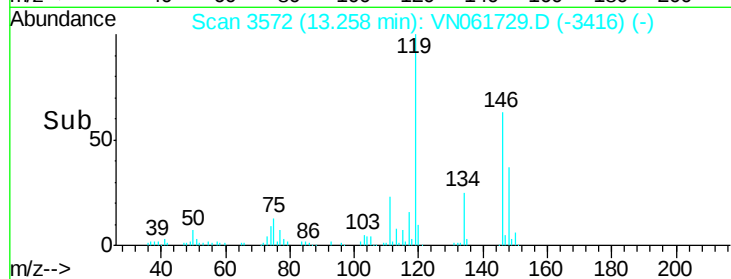
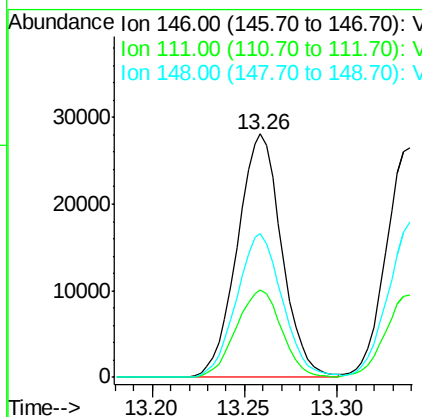
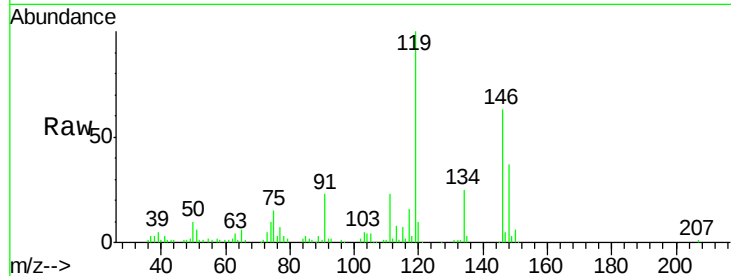
#83
 1,3-Dichlorobenzene
 Concen: 5.571 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	60.7	31.9	95.5

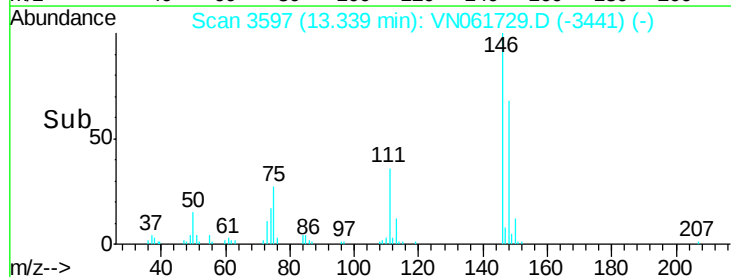
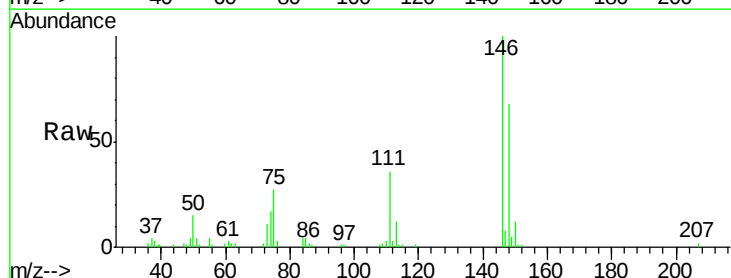
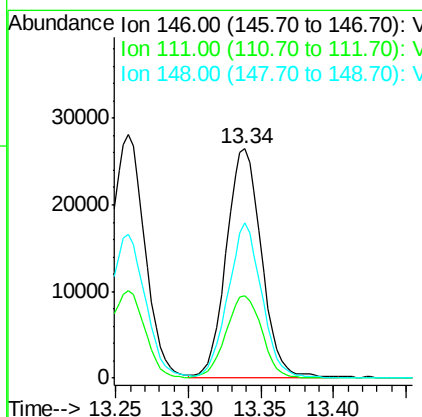
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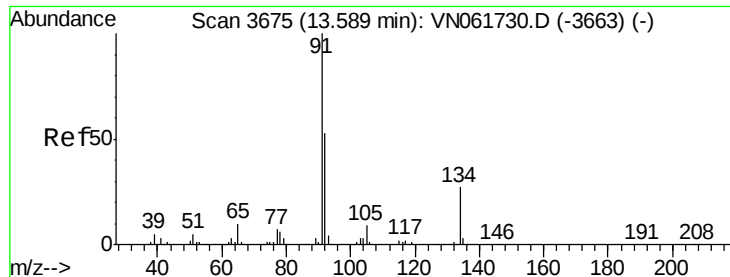
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#84
 1,4-Dichlorobenzene
 Concen: 5.400 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.8
148	64.7	32.2	96.6





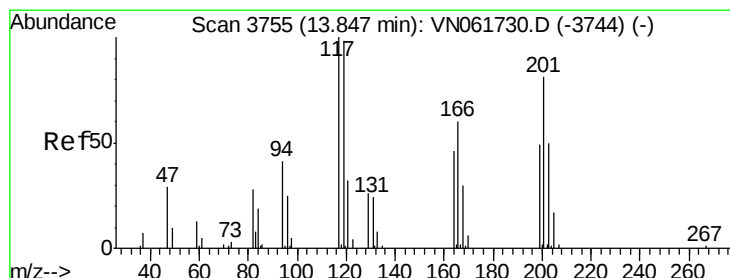
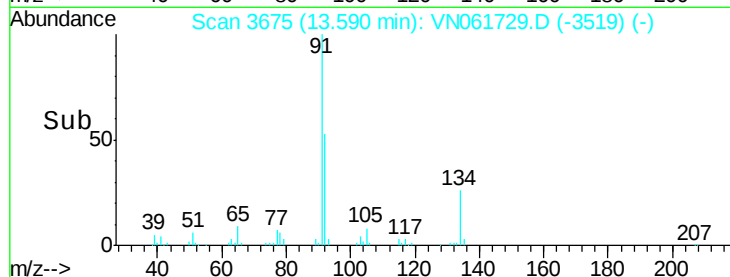
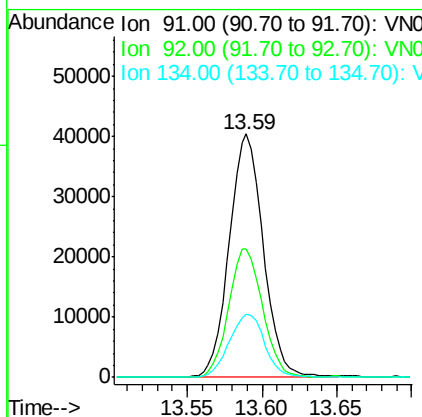
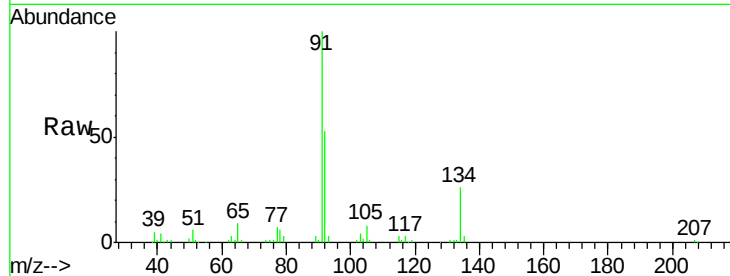
#85
n-Butylbenzene
Concen: 3.927 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	0.0	107.2
134	26.7	0.0	55.8

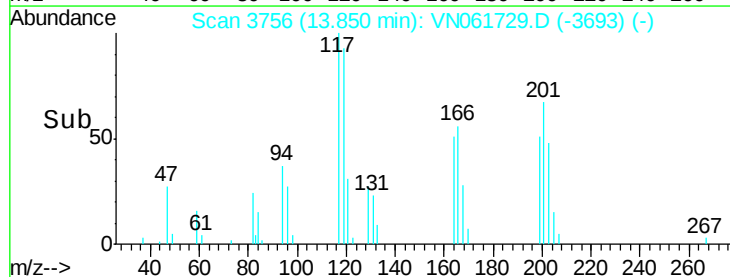
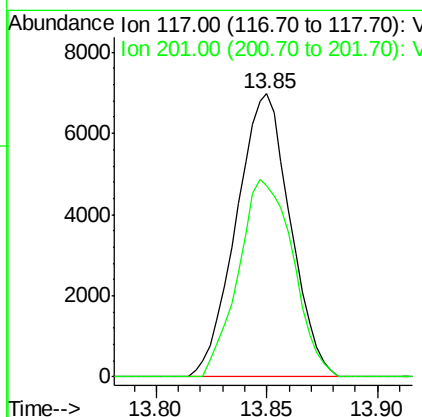
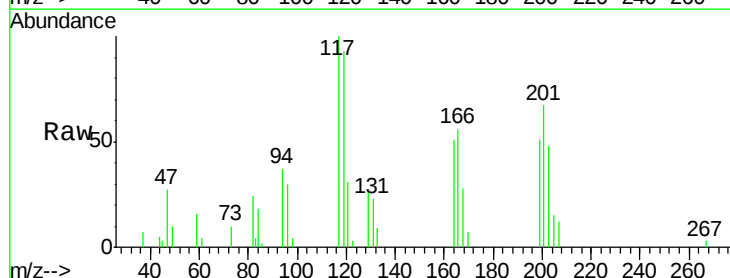
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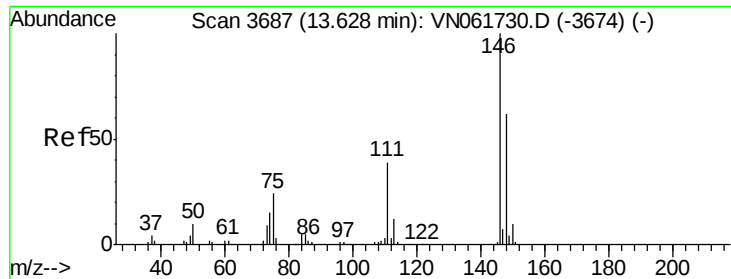
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#86
Hexachloroethane
Concen: 4.753 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061729.D
Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	39.1	117.5





#87

1,2-Dichlorobenzene

Concen: 5.605 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

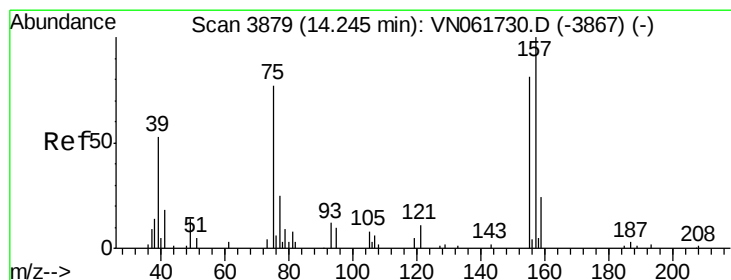
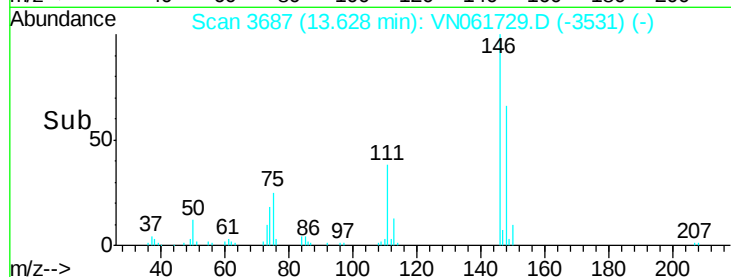
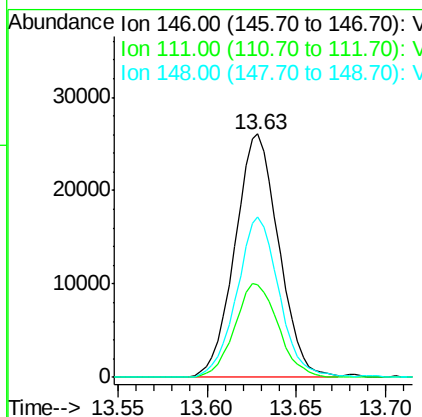
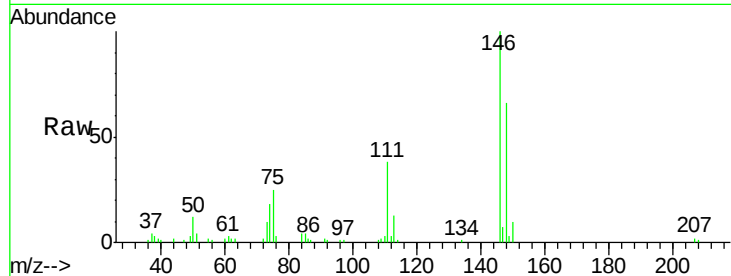
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	44672
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.3	57.9
148	63.7	31.4	94.0

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#88

1,2-Dibromo-3-Chloropropane

Concen: 4.090 ug/l

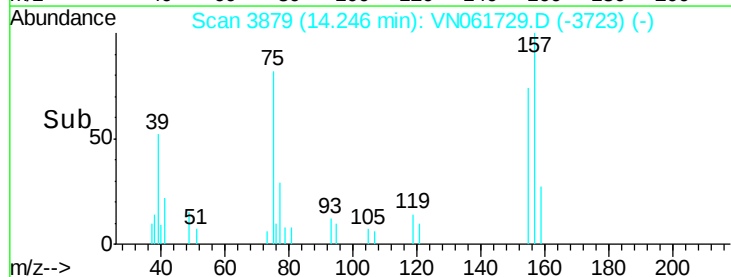
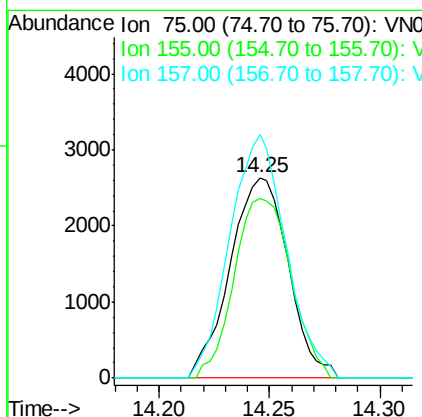
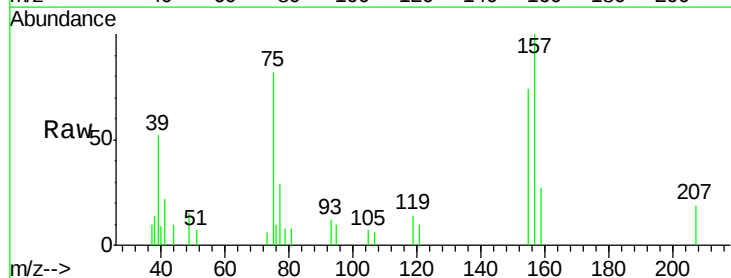
RT: 14.25 min Scan# 3879

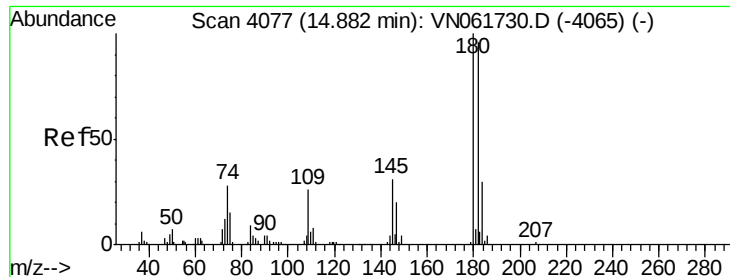
Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion:	75	Resp:	4828
Ion Ratio	Lower	Upper	
75	100		
155	87.7	79.6	119.4
157	117.4	100.8	151.2





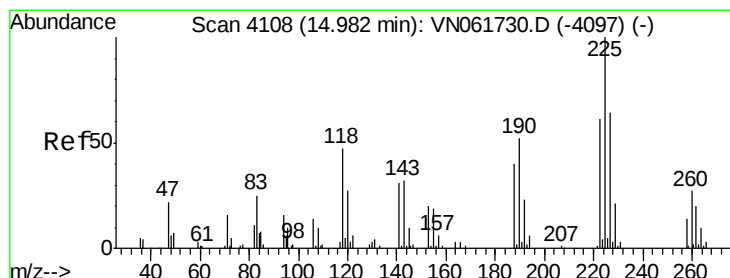
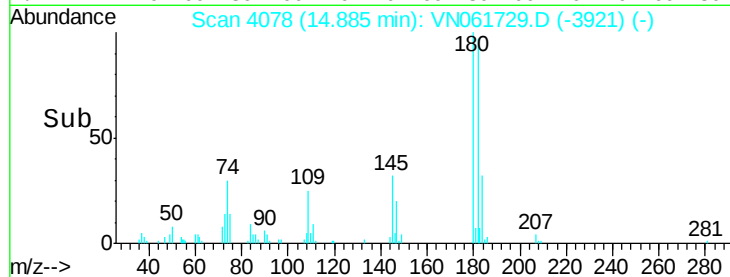
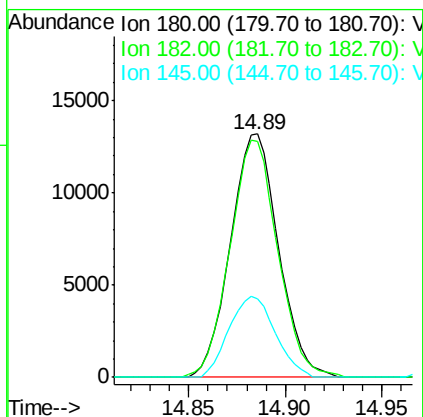
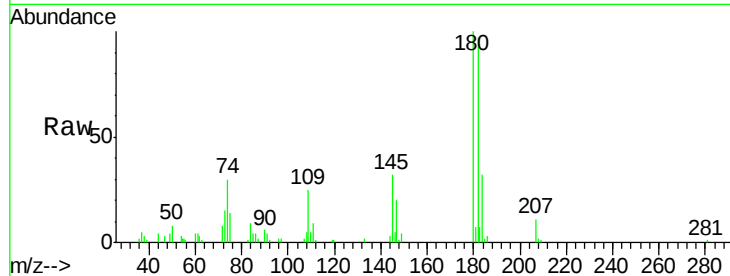
#89
 1,2,4-Trichlorobenzene
 Concen: 5.024 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.6	113.4
145	31.9	24.5	36.7

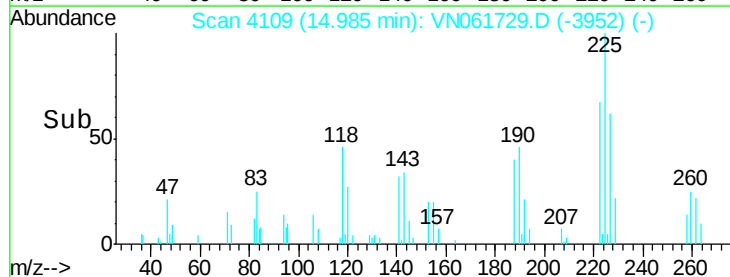
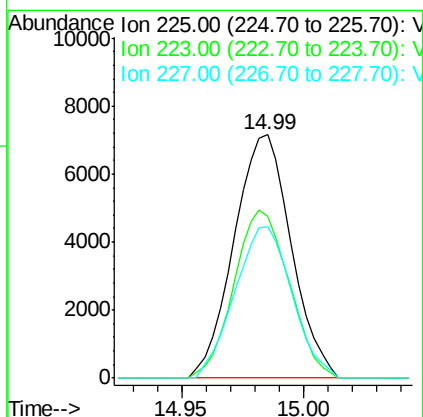
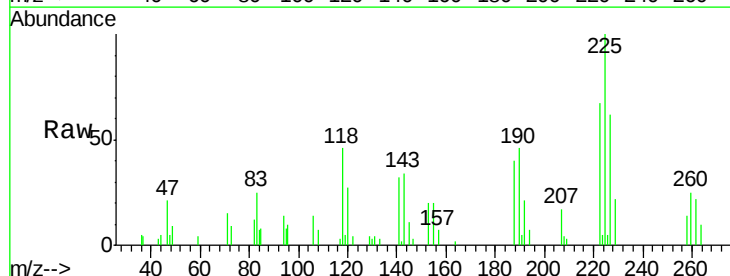
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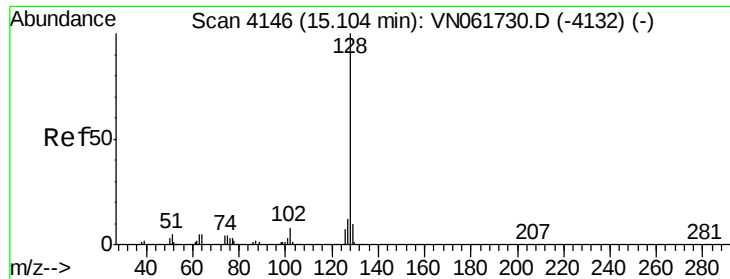
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#90
 Hexachlorobutadiene
 Concen: 6.112 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061729.D
 Acq: 10 Jun 2020 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.7	0.0	121.6
227	62.1	0.0	126.8





#91

Naphthalene

Concen: 4.375 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Instrument :

MSVOA_N

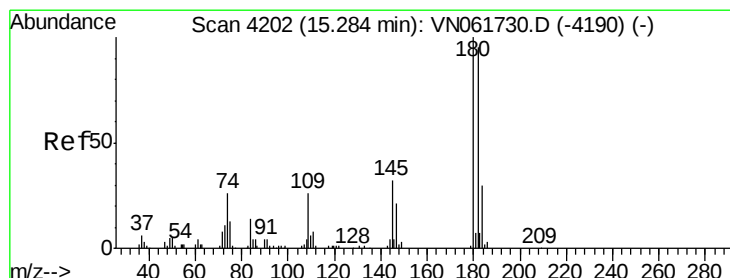
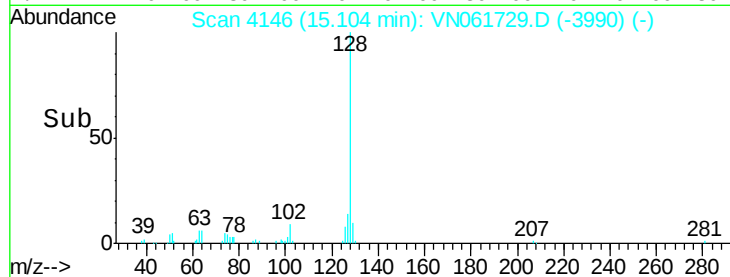
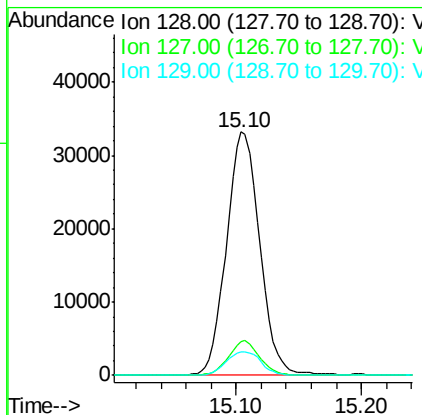
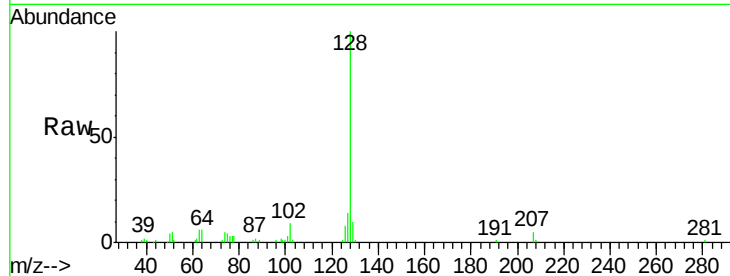
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	61202
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.1	8.6	12.8

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 5.266 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061729.D

Acq: 10 Jun 2020 10:31

Tgt Ion:	180	Resp:	23409
Ion Ratio	Lower	Upper	
180	100		
182	98.2	0.0	191.0
145	34.2	0.0	64.6

