

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061428.D
 Acq On : 18 May 2020 11:37
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:30 PM

Quant Time: May 18 12:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	275077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	469937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	81770	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	
35) Dibromofluoromethane	7.55	113	55469	21.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.82%	
50) Toluene-d8	10.06	98	235346	18.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.64%	
62) 4-Bromofluorobenzene	12.37	95	85876	18.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43951	19.749	ug/l	99
3) Chloromethane	2.03	50	72139	16.598	ug/l	99
4) Vinyl Chloride	2.16	62	106795	16.039	ug/l	100
5) Bromomethane	2.54	94	57701	15.991	ug/l	99
6) Chloroethane	2.67	64	71197	15.072	ug/l	97
7) Trichlorofluoromethane	2.98	101	123018	15.052	ug/l	96
8) Diethyl Ether	3.37	74	35651	19.353	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51644	19.836	ug/l	99
10) Methyl Iodide	3.91	142	60163	18.564	ug/l	99
11) Tert butyl alcohol	4.73	59	44864	140.902	ug/l #	83
12) 1,1-Dichloroethene	3.70	96	53149	19.061	ug/l	97
13) Acrolein	3.57	56	33145	91.945	ug/l	92
14) Allyl chloride	4.27	41	91267	18.463	ug/l	98
15) Acrylonitrile	4.93	53	136213	100.158	ug/l	99
16) Acetone	3.77	43	110647	103.838	ug/l	98
17) Carbon Disulfide	4.01	76	143865	20.048	ug/l	97
18) Methyl Acetate	4.28	43	55921	17.934	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	200785	18.393	ug/l	99
20) Methylene Chloride	4.50	84	61902	18.406	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	60786	18.026	ug/l	96
22) Diisopropyl ether	5.90	45	198681	18.068	ug/l	96
23) Vinyl Acetate	5.84	43	811817	90.691	ug/l	99
24) 1,1-Dichloroethane	5.80	63	116016	18.472	ug/l	99
25) 2-Butanone	6.78	43	176484	100.053	ug/l	100
26) 2,2-Dichloropropane	6.77	77	109589	20.377	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	72862	18.606	ug/l	99
28) Bromochloromethane	7.15	49	53927	19.554	ug/l	97
29) Tetrahydrofuran	7.17	42	118997	99.381	ug/l	100
30) Chloroform	7.33	83	122744	18.621	ug/l	99
31) Cyclohexane	7.61	56	110154	17.866	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	109084	18.591	ug/l	100
36) 1,1-Dichloropropene	7.75	75	90753	18.052	ug/l	99
37) Ethyl Acetate	6.88	43	77876	18.582	ug/l	99
38) Carbon Tetrachloride	7.73	117	83297	19.328	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	111486	18.634	ug/l	99
40) Benzene	8.00	78	271507	18.350	ug/l	99
41) Methacrylonitrile	7.13	41	38440	19.766	ug/l	93
42) 1,2-Dichloroethane	8.09	62	100440	18.885	ug/l	98
43) Isopropyl Acetate	8.13	43	140831	17.477	ug/l	99
44) Trichloroethene	8.80	130	69894	18.281	ug/l	97
45) 1,2-Dichloropropane	9.08	63	70611	18.945	ug/l	96
46) Dibromomethane	9.17	93	47354	18.894	ug/l	99
47) Bromodichloromethane	9.37	83	102228	18.788	ug/l	97
48) Methyl methacrylate	9.17	41	63210	17.335	ug/l	99
49) 1,4-Dioxane	9.17	88	13610	575.434	ug/l #	93
51) 4-Methyl-2-Pentanone	9.95	43	402093	92.667	ug/l	98
52) Toluene	10.12	92	169737	18.073	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	110174	18.515	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	118334	18.855	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	66048	18.901	ug/l	99
56) Ethyl methacrylate	10.40	69	103395	18.097	ug/l	97
57) 1,3-Dichloropropane	10.68	76	114672	18.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	215206	89.177	ug/l	98
59) 2-Hexanone	10.72	43	280158	94.252	ug/l	99
60) Dibromochloromethane	10.87	129	71714	18.459	ug/l	100
61) 1,2-Dibromoethane	10.98	107	69744	18.976	ug/l	98
64) Tetrachloroethene	10.60	164	67531	18.355	ug/l	99
65) Chlorobenzene	11.41	112	178878	18.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	65398	18.996	ug/l	99
67) Ethyl Benzene	11.48	91	338828	18.753	ug/l	100
68) m/p-Xylenes	11.59	106	253112	37.290	ug/l	100
69) o-Xylene	11.92	106	122221	18.564	ug/l	100
70) Styrene	11.94	104	201888	18.264	ug/l	100
71) Bromoform	12.10	173	45118	18.608	ug/l #	99
73) Isopropylbenzene	12.22	105	326358	18.820	ug/l	99
74) N-amyl acetate	12.04	43	119040	17.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	91588	18.529	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	87125m	19.580	ug/l	
77) Bromobenzene	12.50	156	69711	18.367	ug/l	97
78) n-propylbenzene	12.56	91	380004	18.799	ug/l	99
79) 2-Chlorotoluene	12.65	91	218408	18.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	269604	18.577	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	31541	18.538	ug/l	97
82) 4-Chlorotoluene	12.75	91	227330	18.257	ug/l	99
83) tert-Butylbenzene	12.97	119	229889	18.569	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	272415	18.811	ug/l	99
85) sec-Butylbenzene	13.15	105	315928	18.906	ug/l	98
86) p-Isopropyltoluene	13.26	119	277956	19.162	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	130202	18.918	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	128250	18.145	ug/l	98
89) n-Butylbenzene	13.59	91	252883	19.212	ug/l	99
90) Hexachloroethane	13.85	117	37950	18.988	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	125458	19.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18728	19.706	ug/l	98

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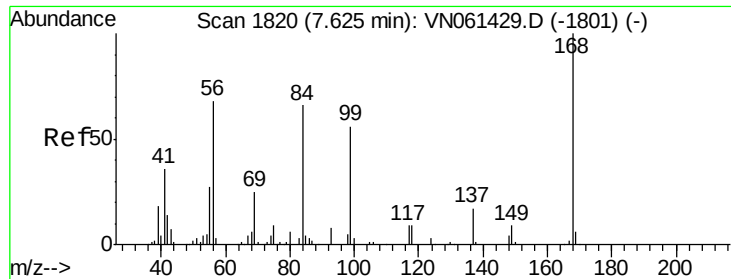
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	67474	18.703	ug/l	98
94) Hexachlorobutadiene	14.98	225	30082	21.652	ug/l	99
95) Naphthalene	15.10	128	221530	18.961	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	68330	18.951	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 275077

Ion Ratio Lower Upper

168 100

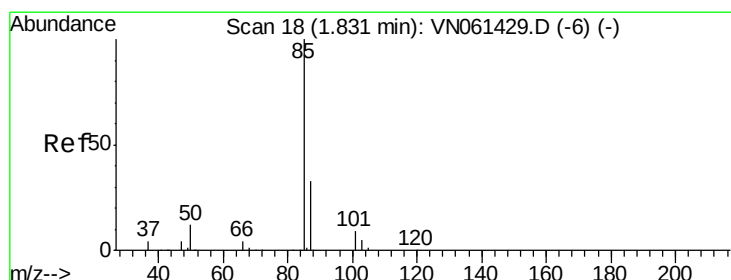
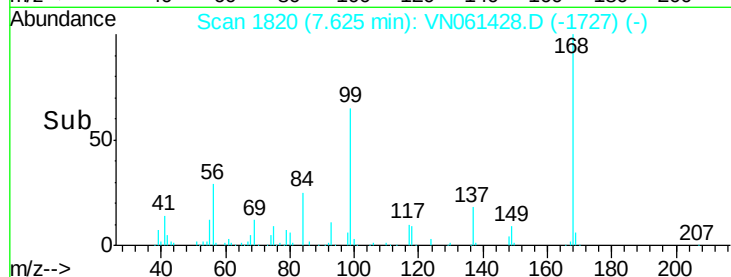
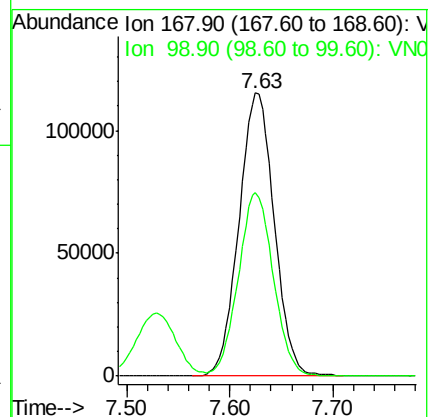
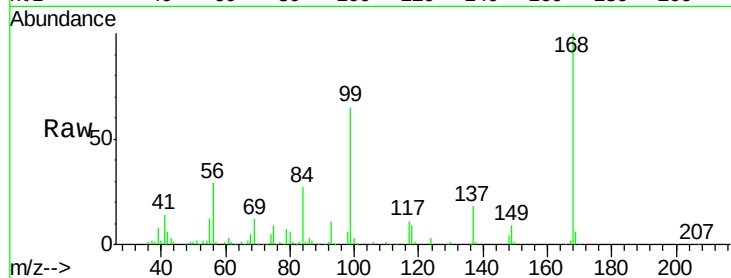
99 64.8 51.1 76.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.749 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061428.D

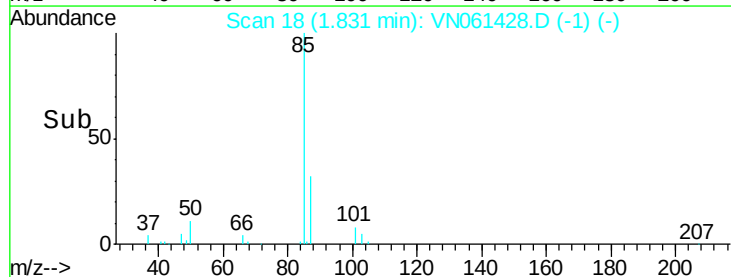
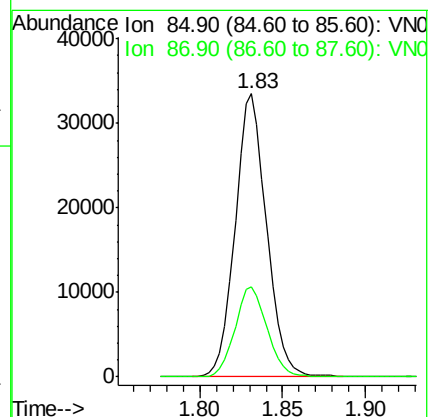
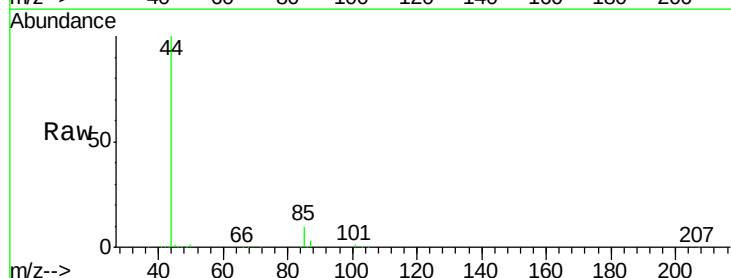
Acq: 18 May 2020 11:37

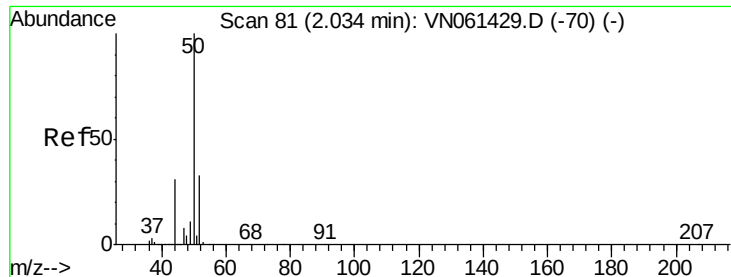
Tgt Ion: 85 Resp: 43951

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8





#3

Chloromethane

Concen: 16.598 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 72139

Ion Ratio Lower Upper

50 100

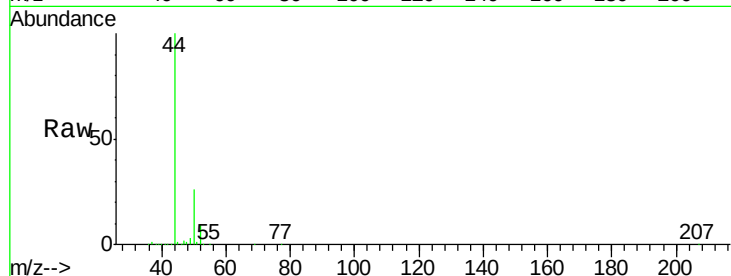
52 33.8 26.7 40.1

Manual Integrations

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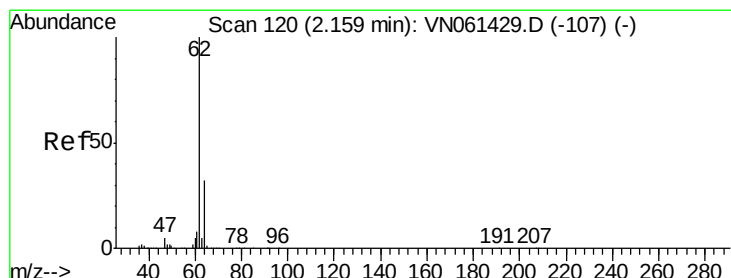
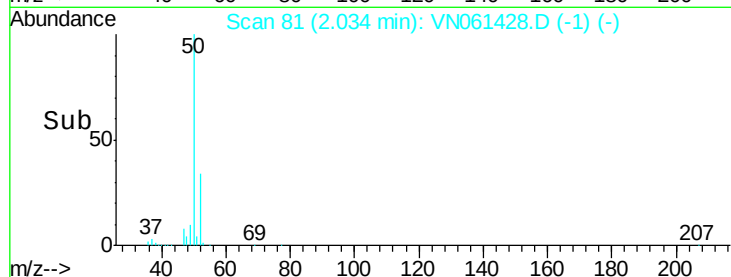
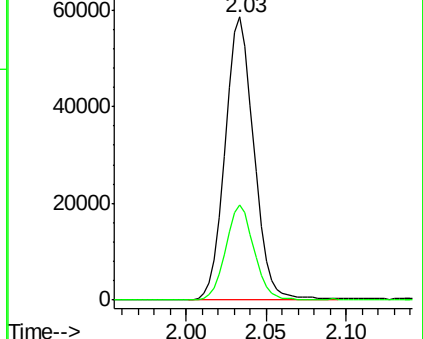
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.039 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061428.D

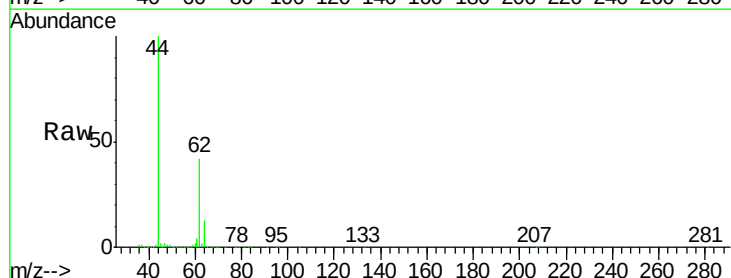
Acq: 18 May 2020 11:37

Tgt Ion: 62 Resp: 106795

Ion Ratio Lower Upper

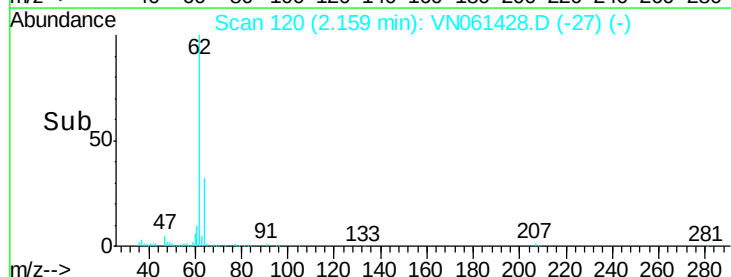
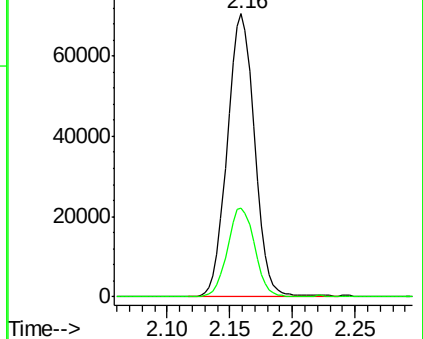
62 100

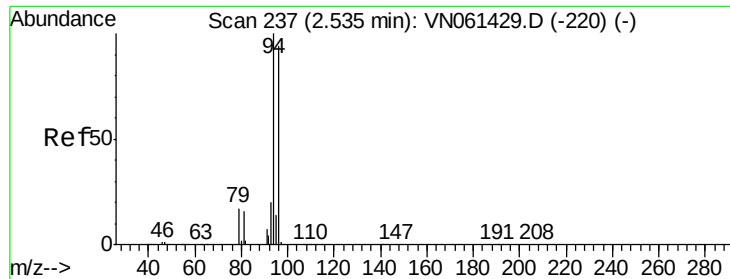
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.991 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 57701

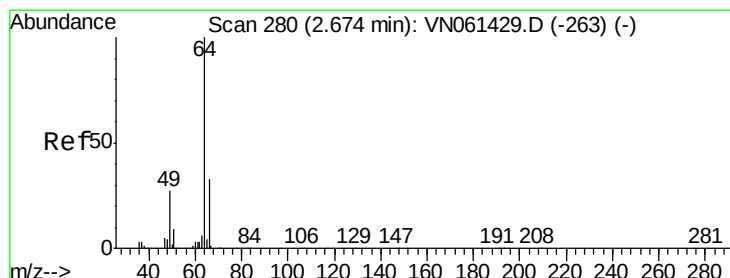
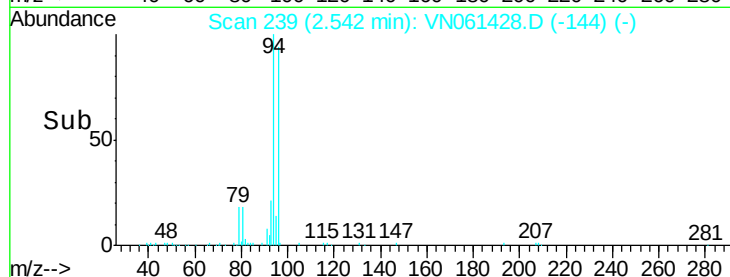
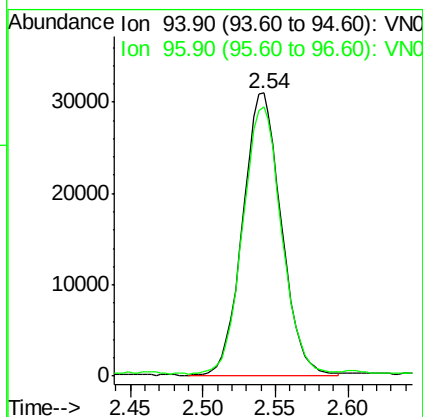
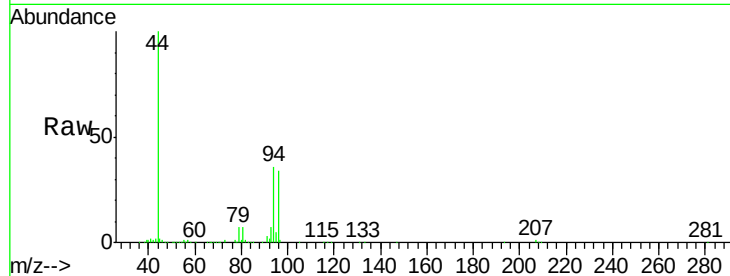
Ion Ratio Lower Upper

94 100

96 94.3 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 15.072 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061428.D

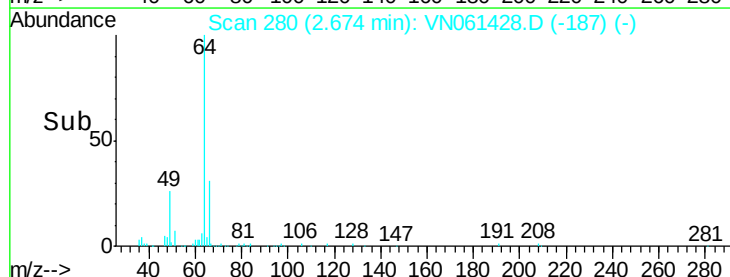
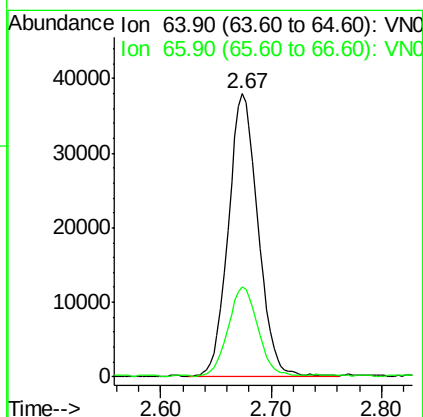
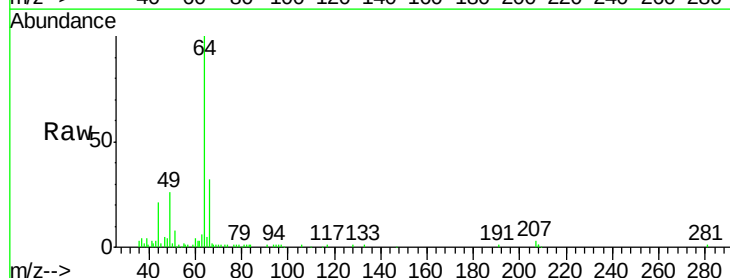
Acq: 18 May 2020 11:37

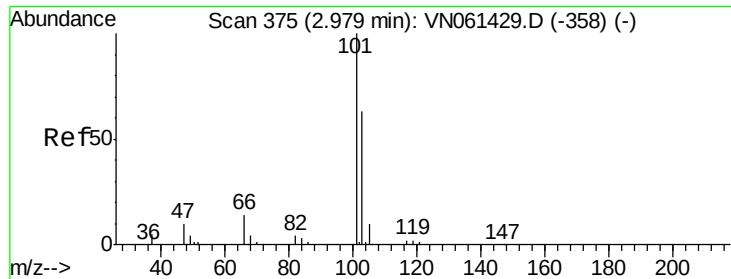
Tgt Ion: 64 Resp: 71197

Ion Ratio Lower Upper

64 100

66 31.4 26.3 39.5





#7

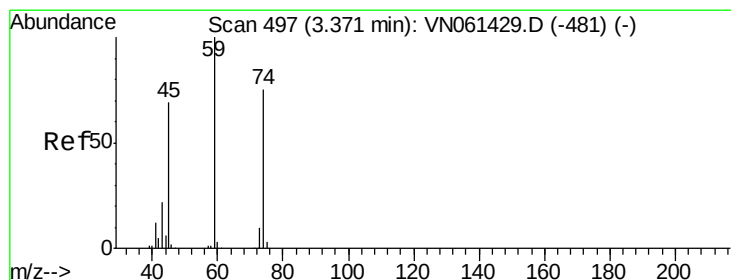
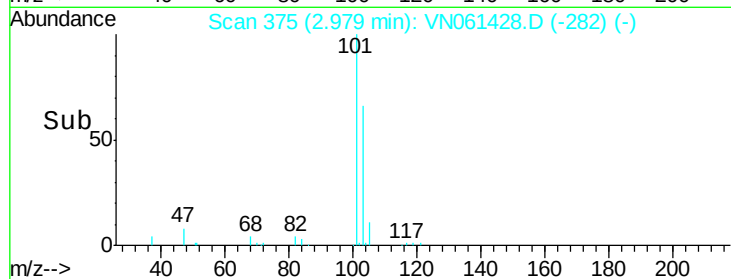
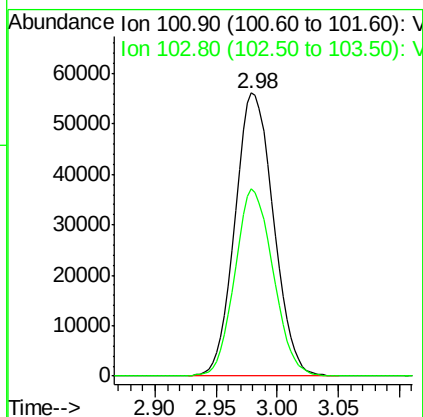
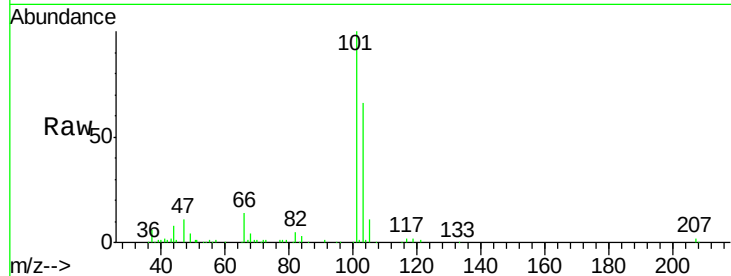
Trichlorofluoromethane
Concen: 15.052 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	123018		
103	66.0	50.2	50.2	75.4

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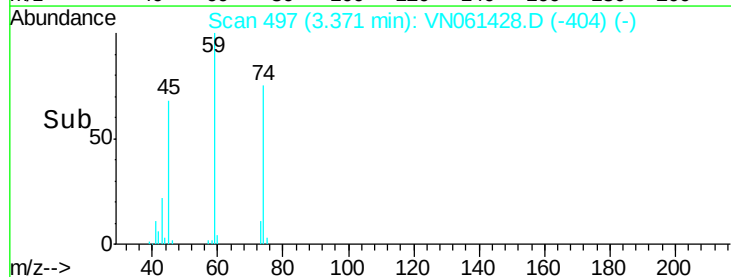
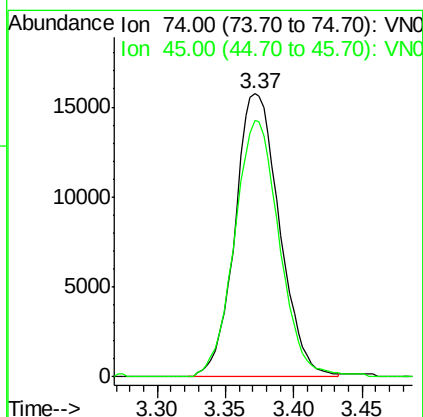
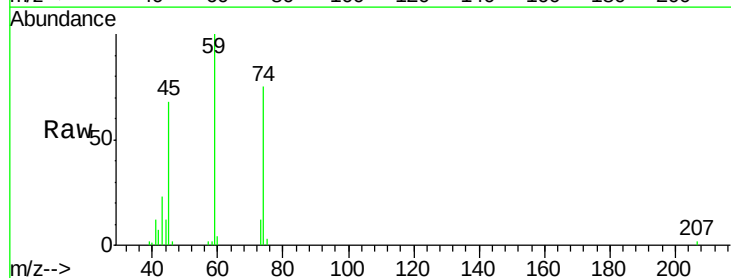
MMDadoda
5/19/2020 4:25:30 PM

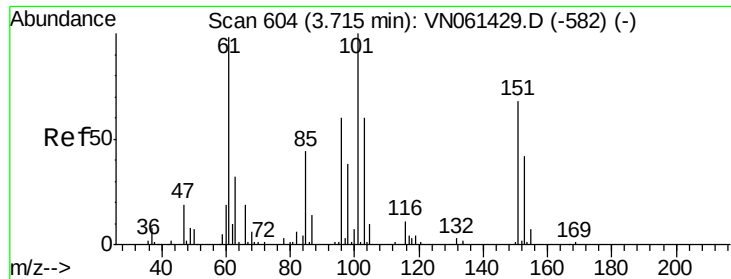


#8

Diethyl Ether
Concen: 19.353 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35651		
45	91.1	45.7	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

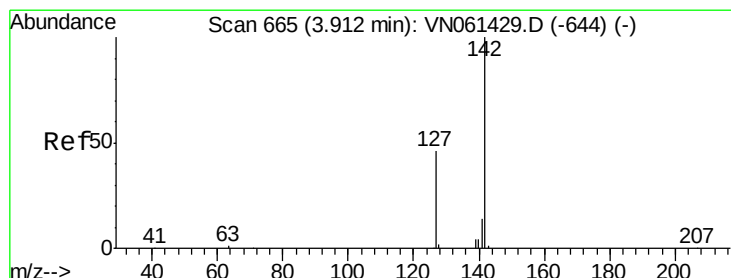
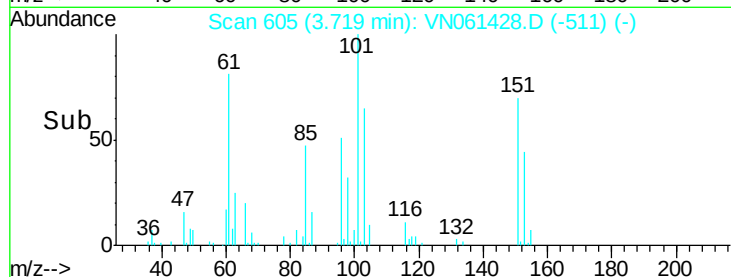
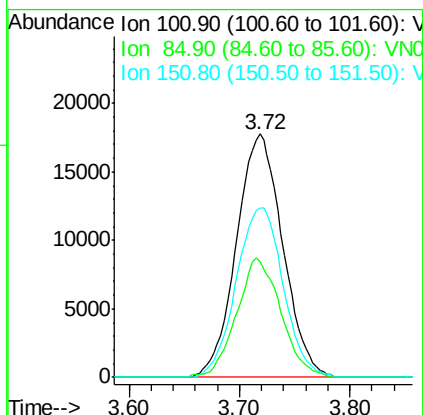
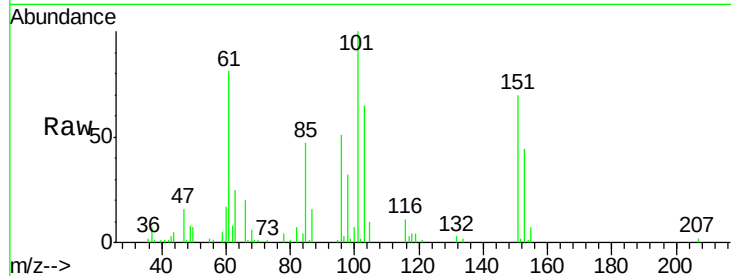
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	51644
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.6	55.0
151	70.9	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.564 ug/l

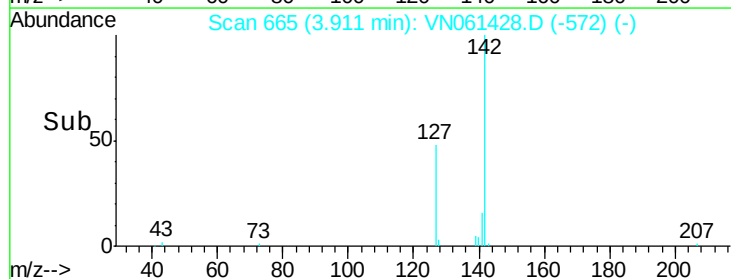
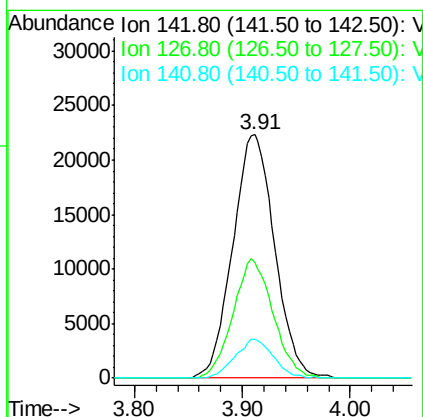
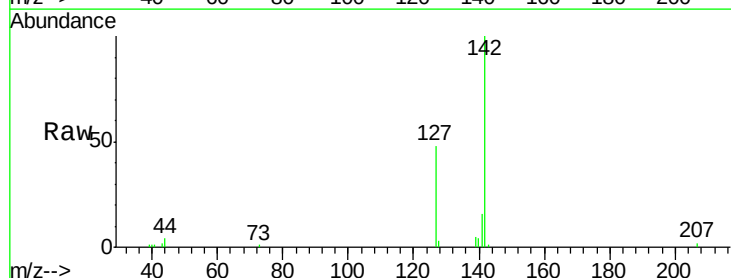
RT: 3.91 min Scan# 665

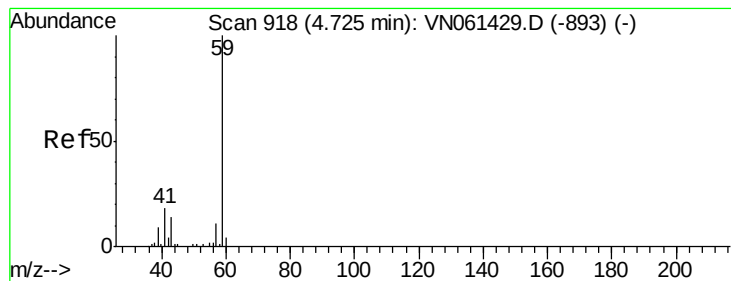
Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:	142	Resp:	60163
Ion Ratio	Lower	Upper	
142	100		
127	46.7	36.7	55.1
141	14.5	11.5	17.3





#11

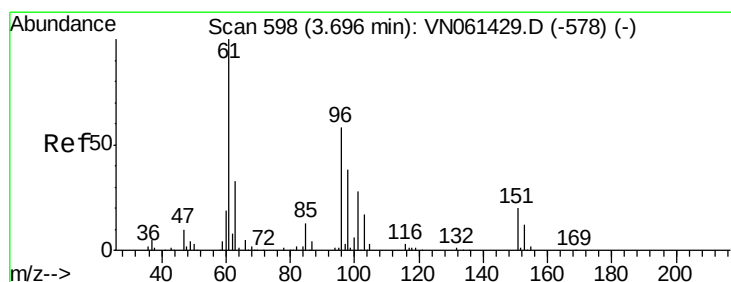
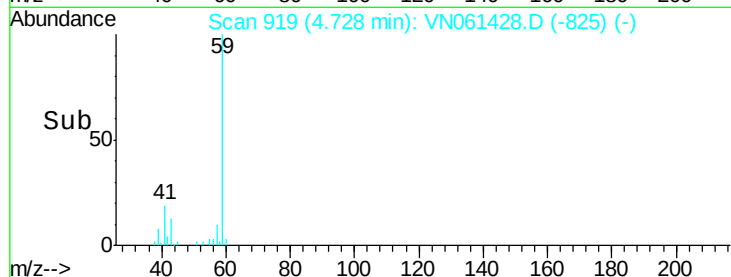
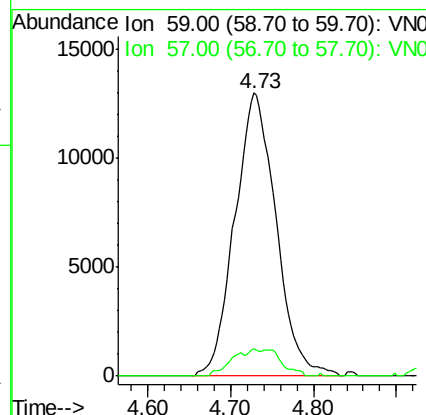
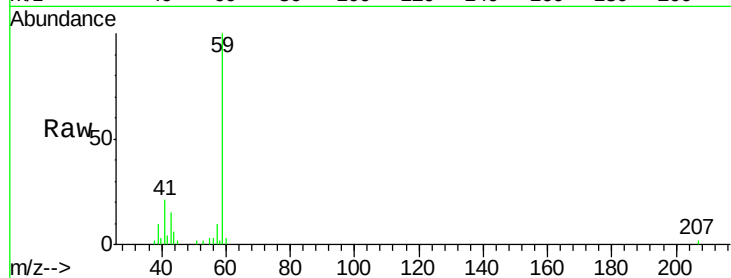
Tert butyl alcohol
Concen: 140.902 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	3.8		8.2	12.2#

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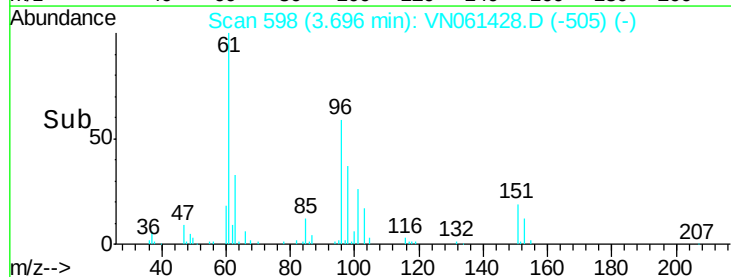
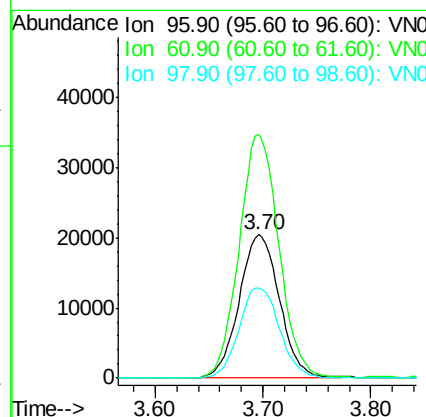
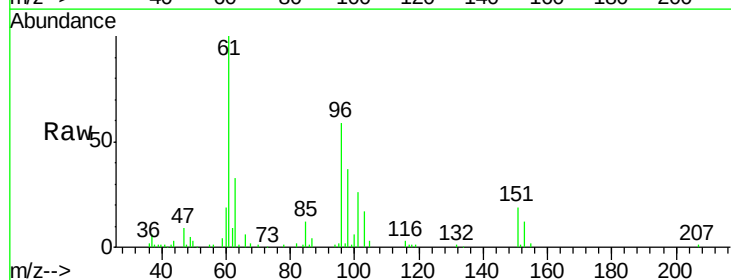
MMDadoda
5/19/2020 4:25:30 PM

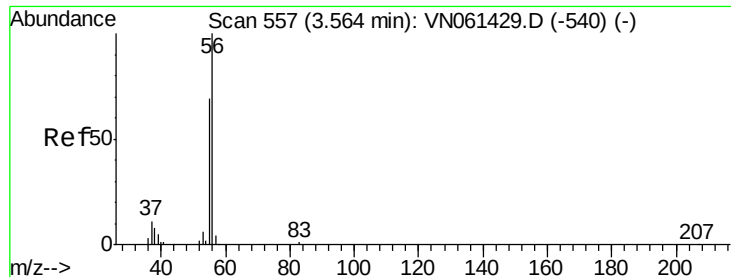


#12

1,1-Dichloroethene
Concen: 19.061 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	169.6		138.7	208.1
98	62.5		53.0	79.6





#13

Acrolein

Concen: 91.945 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 33145

Ion Ratio Lower Upper

56 100

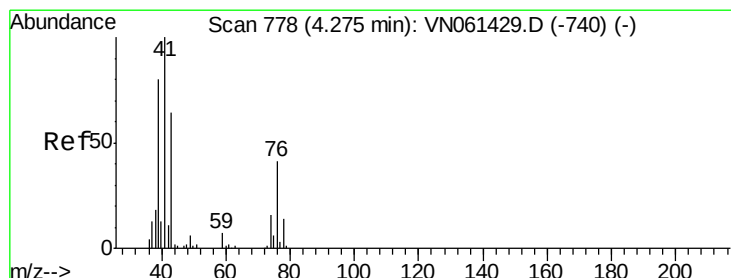
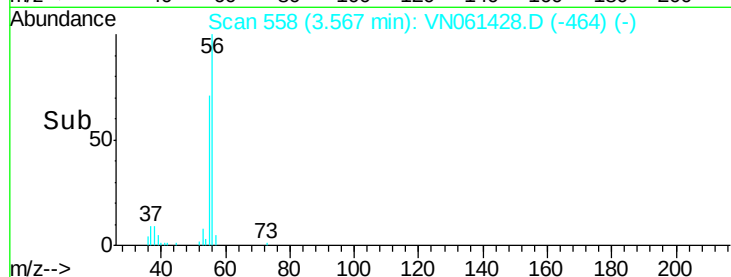
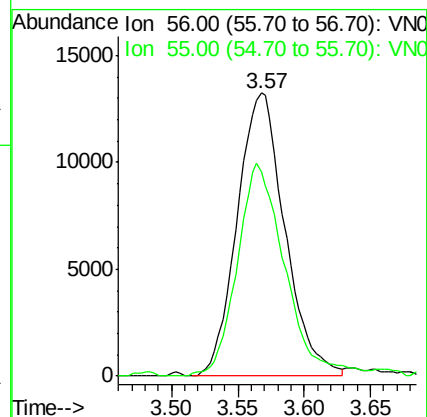
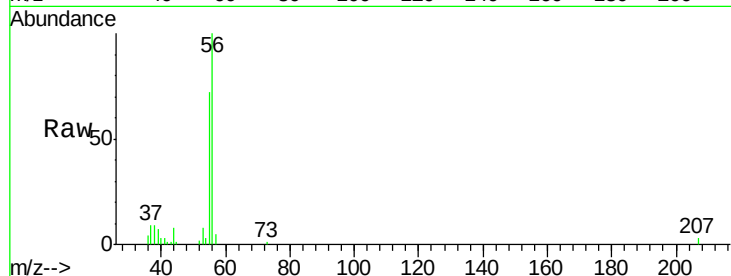
55 75.1 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 18.463 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

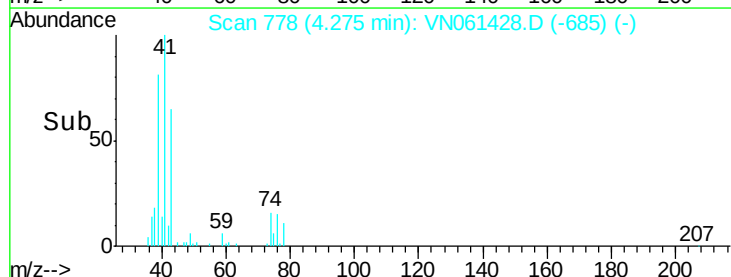
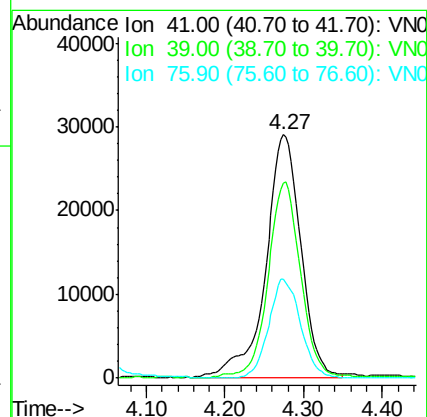
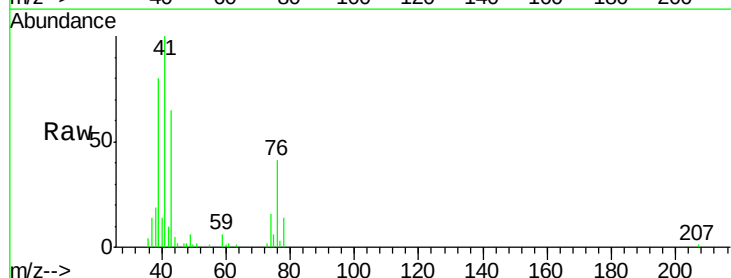
Tgt Ion: 41 Resp: 91267

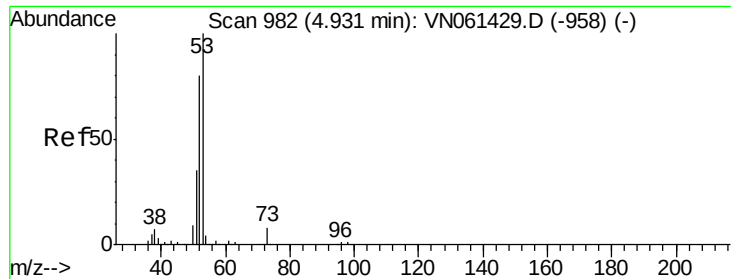
Ion Ratio Lower Upper

41 100

39 74.3 61.2 91.8

76 36.7 29.9 44.9





#15

Acrylonitrile

Concen: 100.158 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

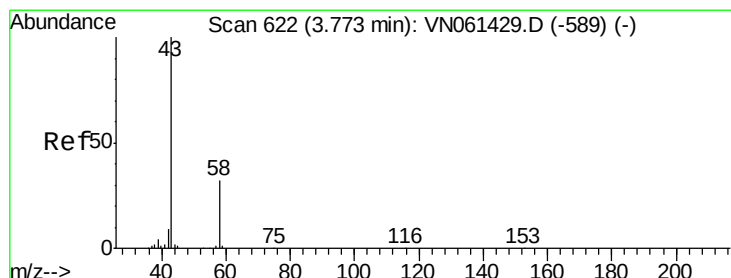
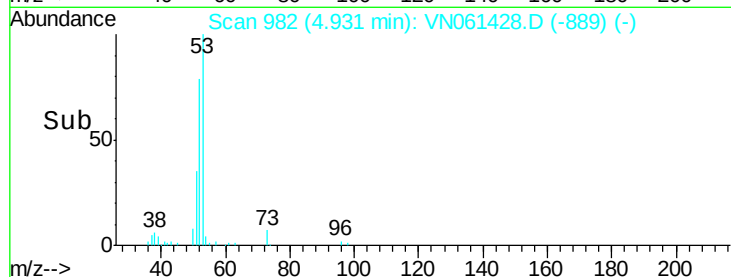
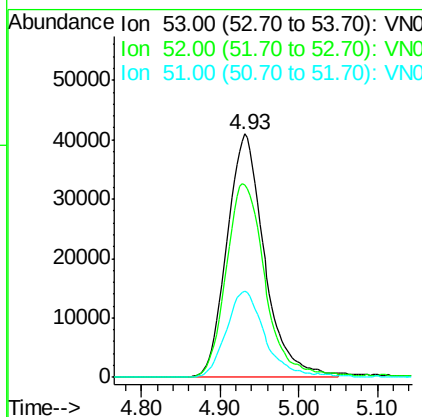
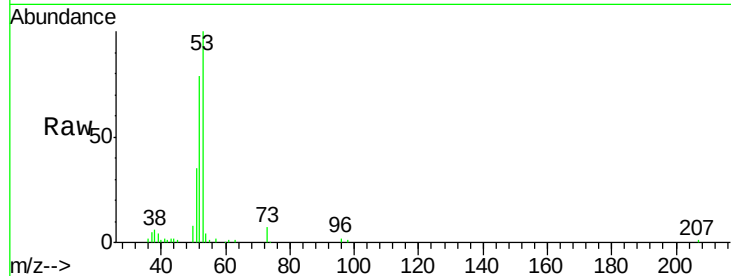
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	136213
Ion Ratio		Lower	Upper
53	100		
52	81.9	64.7	97.1
51	36.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 103.838 ug/l

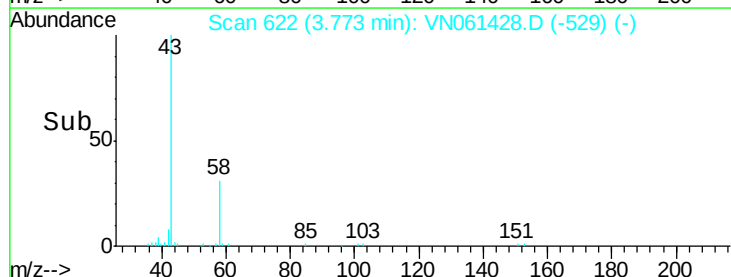
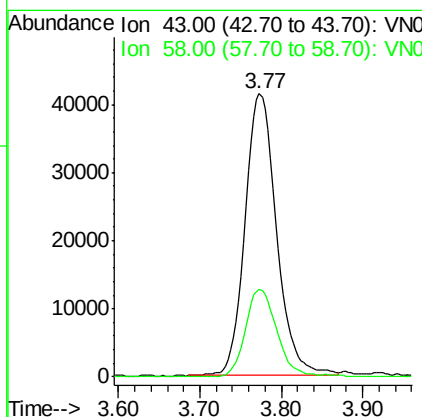
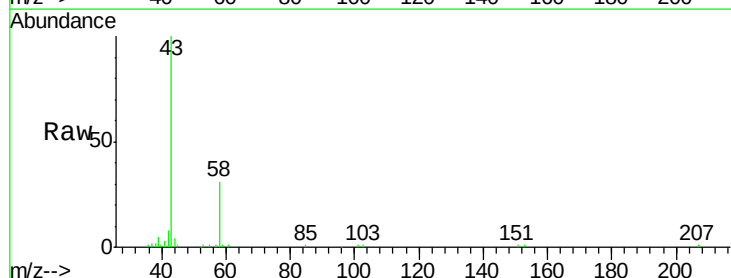
RT: 3.77 min Scan# 622

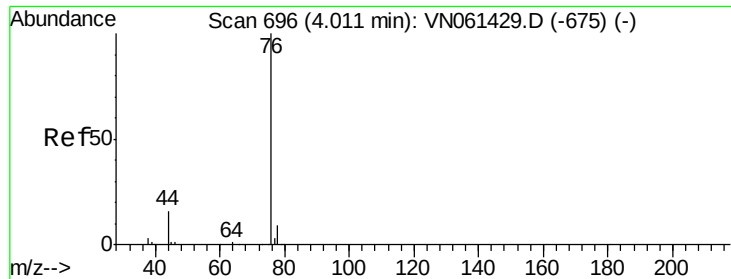
Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:	43	Resp:	110647
Ion Ratio		Lower	Upper
43	100		
58	30.9	25.6	38.4





#17

Carbon Disulfide

Concen: 20.048 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 143865

Ion Ratio Lower Upper

76 100

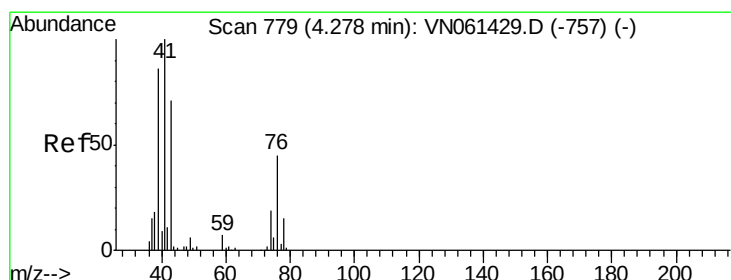
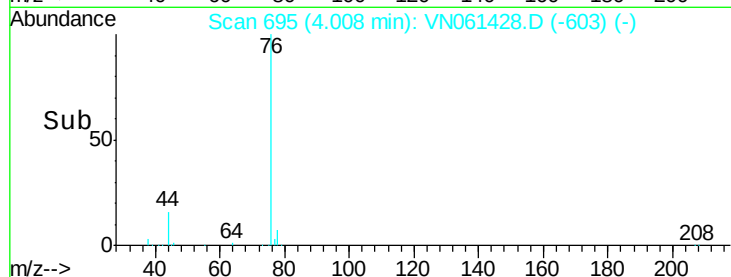
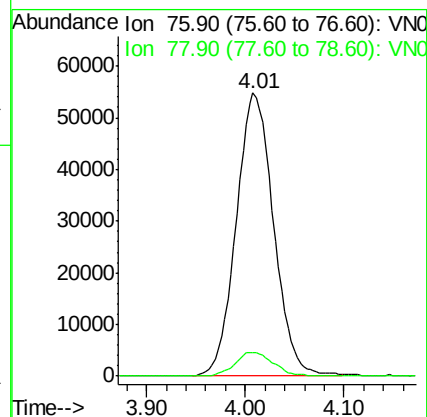
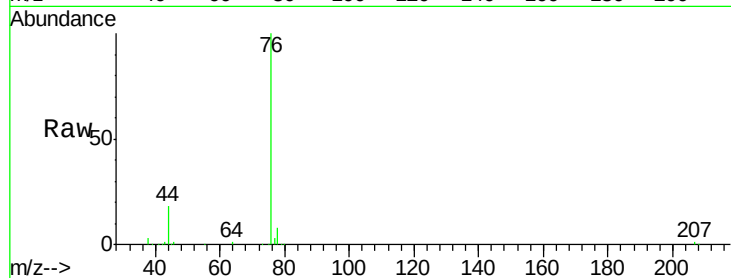
78 8.2 7.4 11.0

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#18

Methyl Acetate

Concen: 17.934 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN061428.D

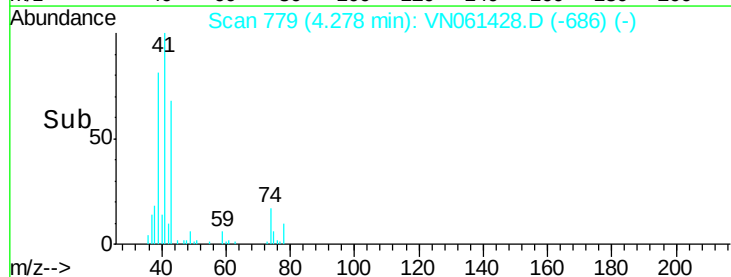
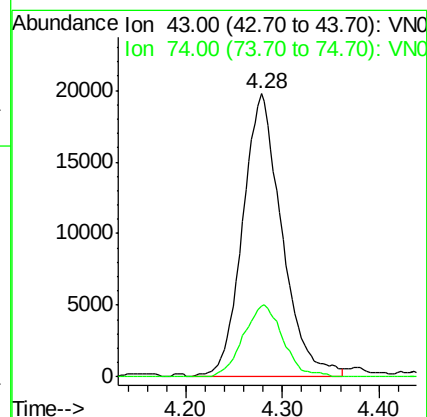
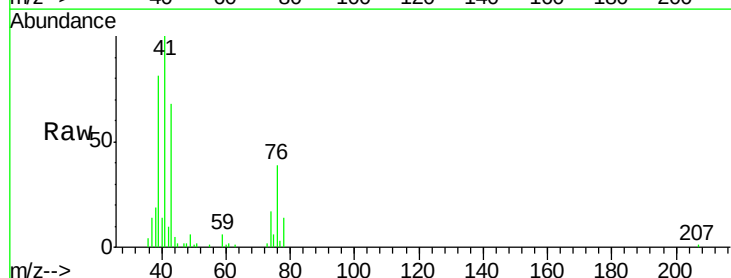
Acq: 18 May 2020 11:37

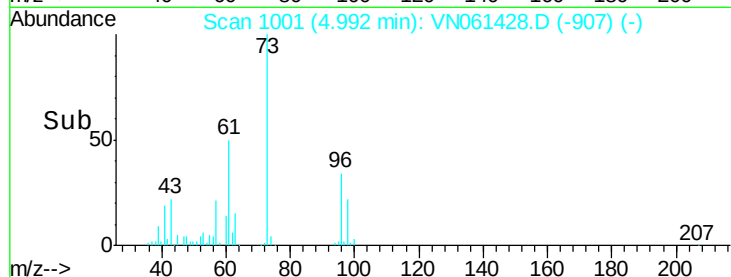
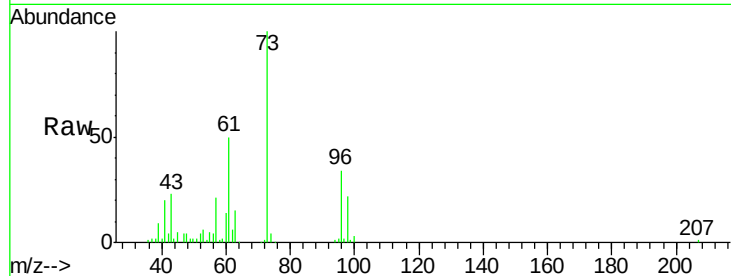
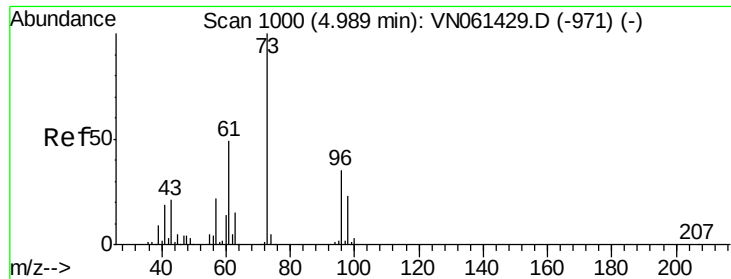
Tgt Ion: 43 Resp: 55921

Ion Ratio Lower Upper

43 100

74 25.6 20.8 31.2





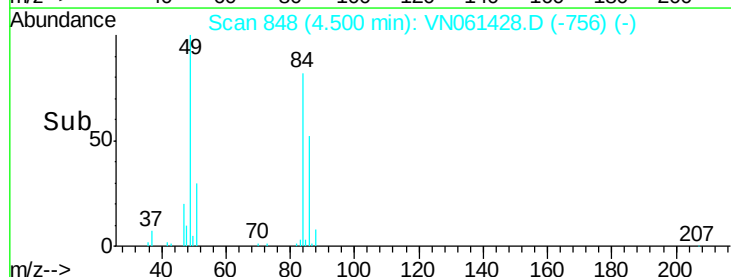
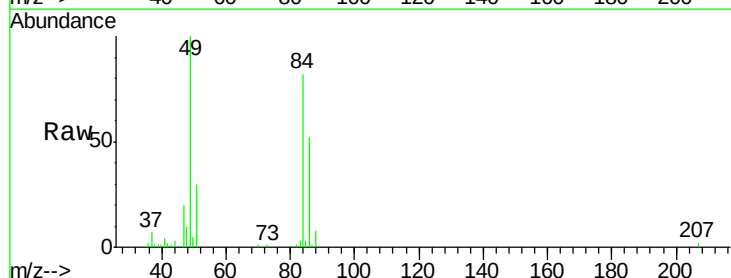
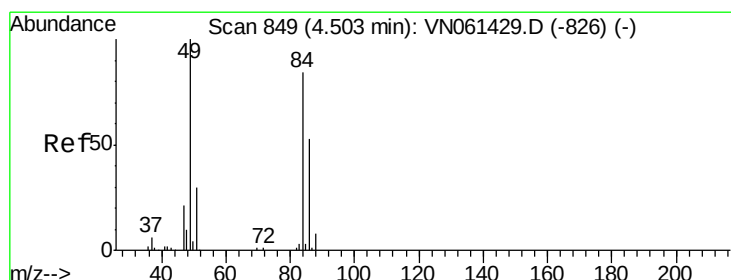
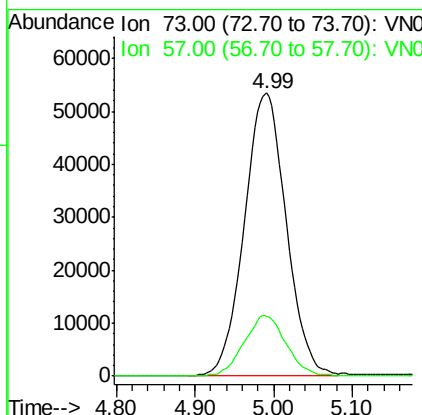
#19
Methyl tert-butyl Ether
Concen: 18.393 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tot Ion: 73 Resp: 200785
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

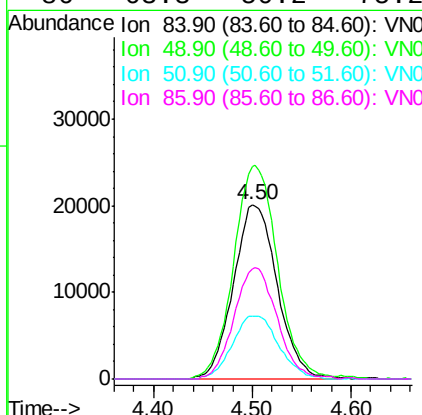
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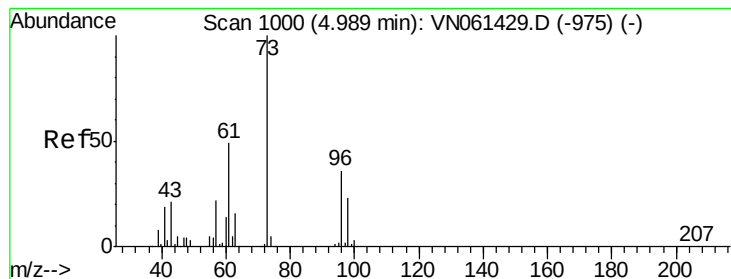
MMDadoda
5/19/2020 4:25:30 PM



#20
Methylene Chloride
Concen: 18.406 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion: 84 Resp: 61902
Ion Ratio Lower Upper
84 100
49 122.1 95.3 142.9
51 36.3 29.0 43.6
86 63.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.026 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 60786

Ion Ratio Lower Upper

96 100

61 135.0 109.8 164.6

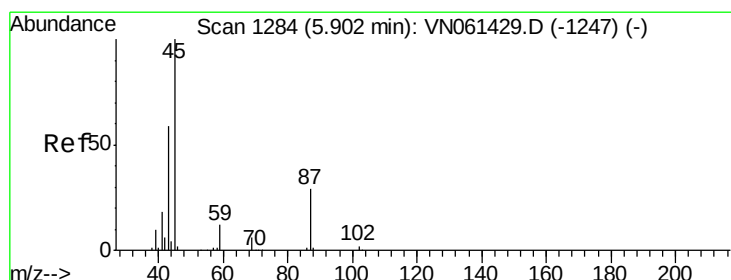
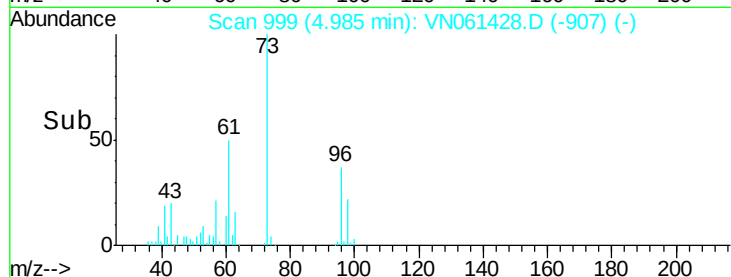
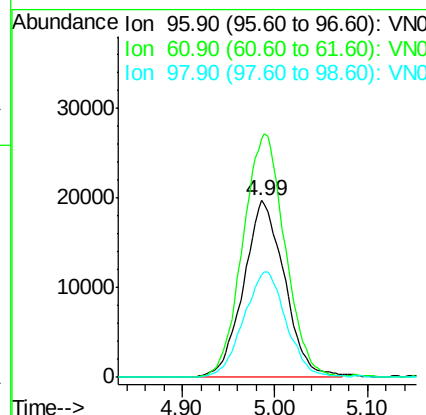
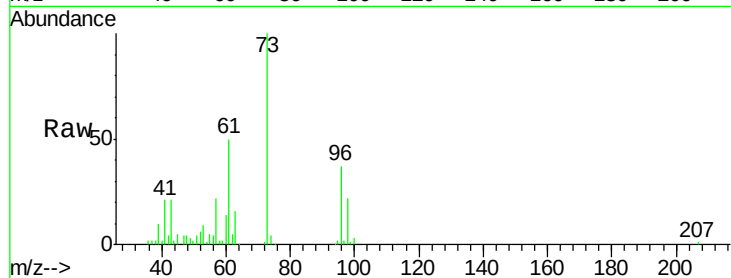
98 58.1 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.068 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion: 45 Resp: 198681

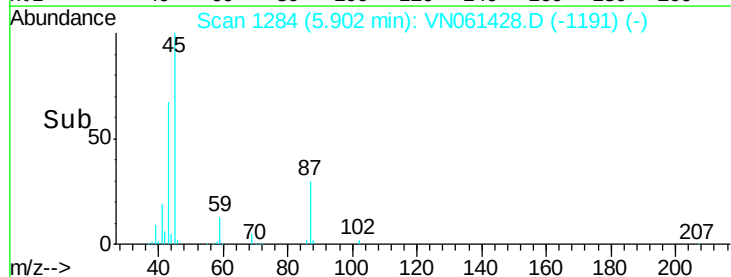
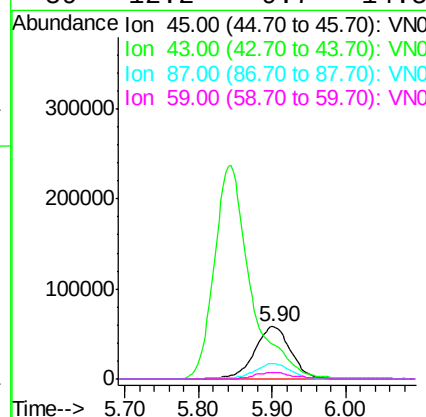
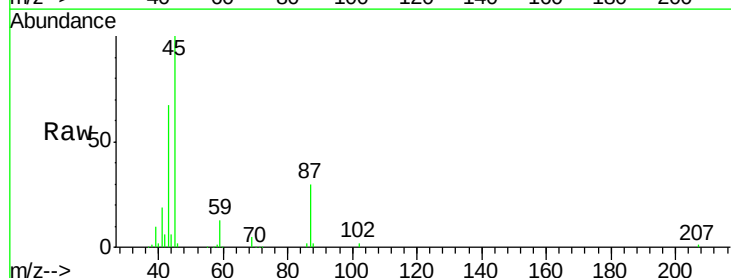
Ion Ratio Lower Upper

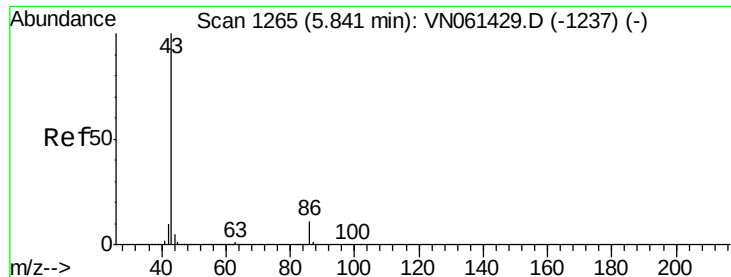
45 100

43 64.1 47.9 71.9

87 29.6 24.0 36.0

59 12.2 9.7 14.5





#23

Vinyl Acetate

Concen: 90.691 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 811817

Ion Ratio Lower Upper

43 100

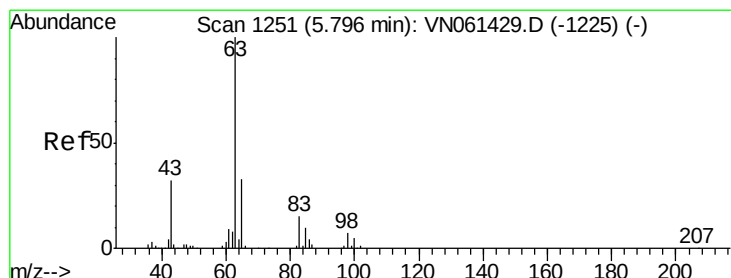
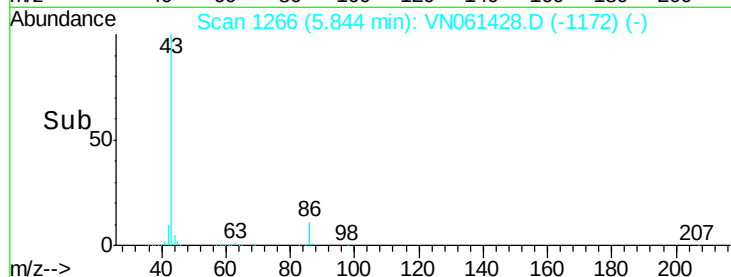
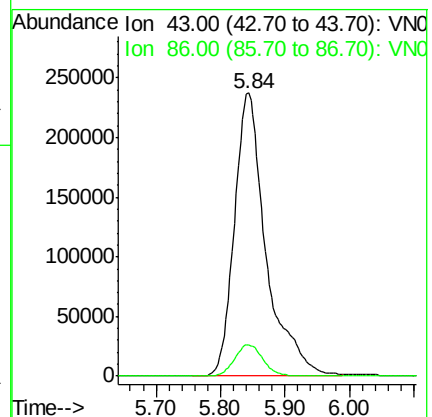
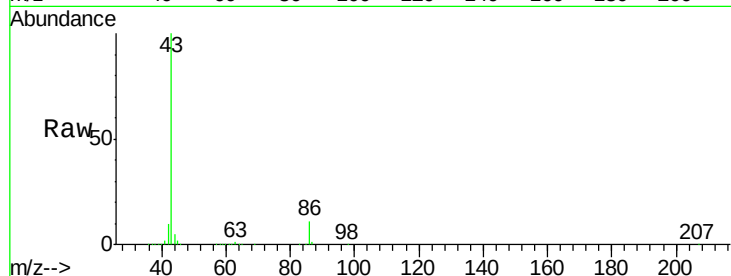
86 11.0 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.472 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

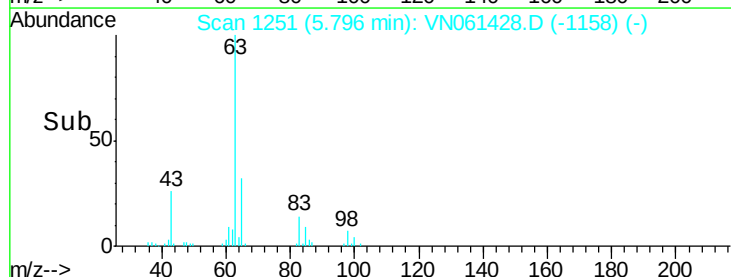
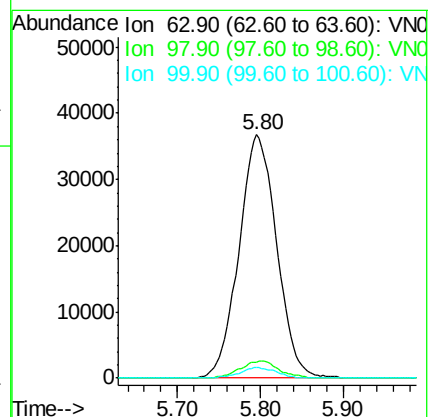
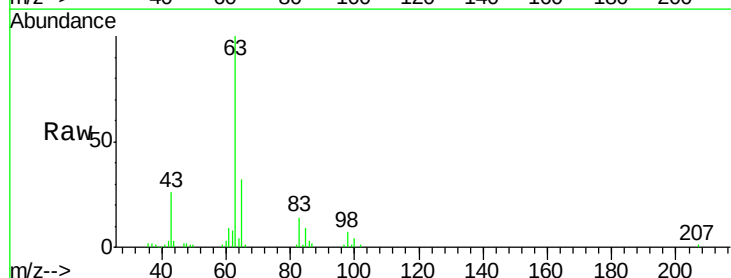
Tgt Ion: 63 Resp: 116016

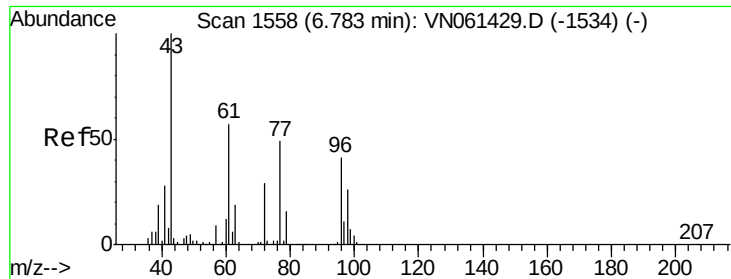
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 100.053 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 176484

Ion Ratio Lower Upper

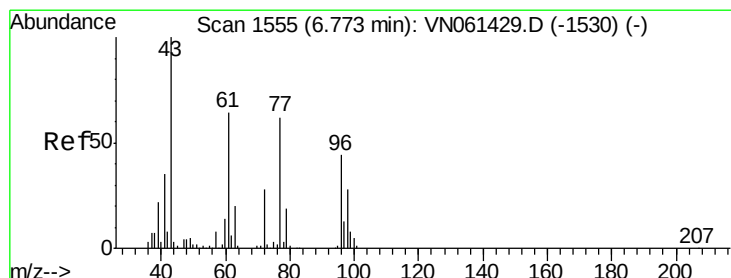
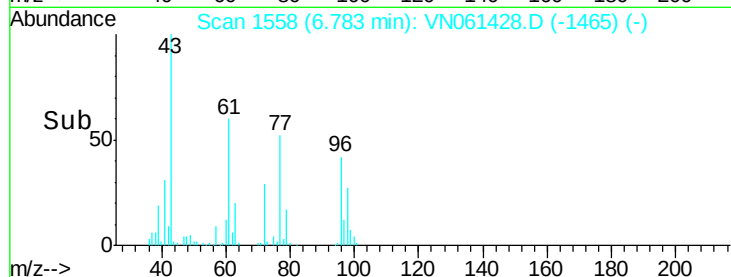
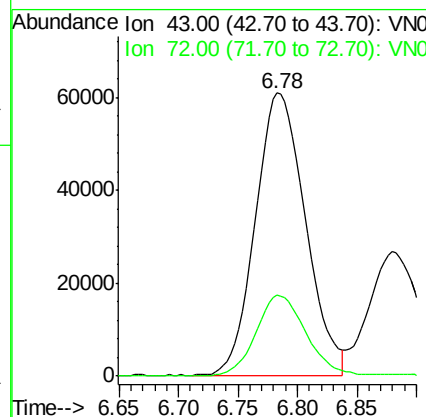
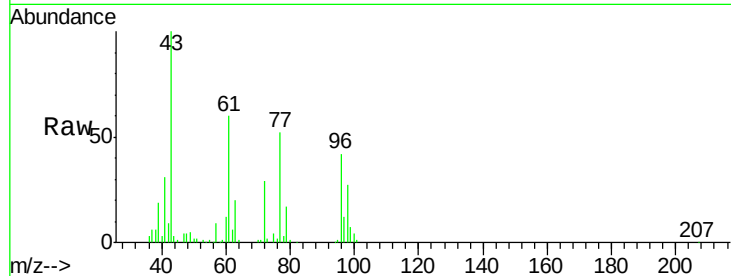
43 100

72 28.7 23.0 34.6

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.377 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061428.D

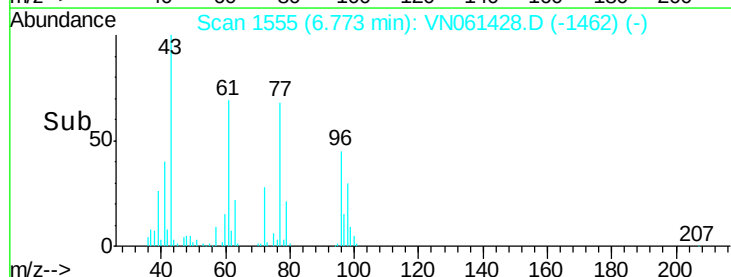
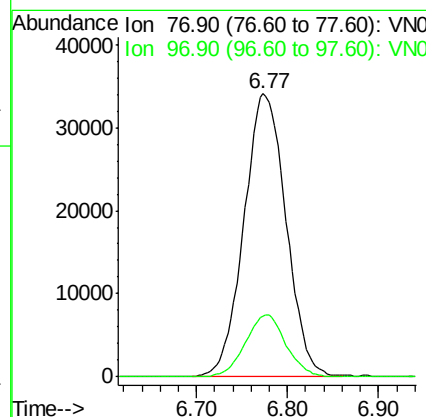
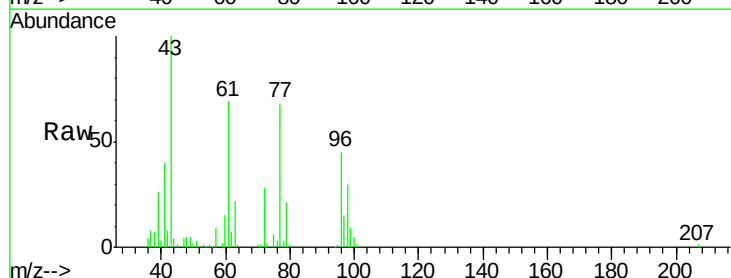
Acq: 18 May 2020 11:37

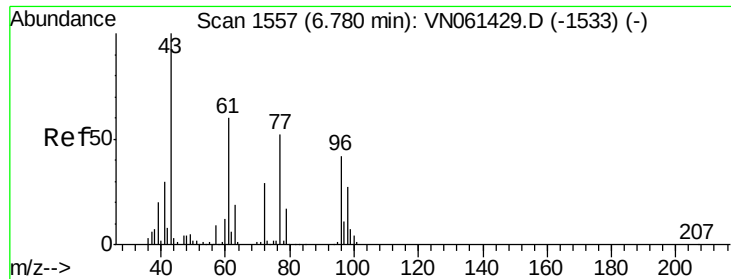
Tgt Ion: 77 Resp: 109589

Ion Ratio Lower Upper

77 100

97 21.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 18.606 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

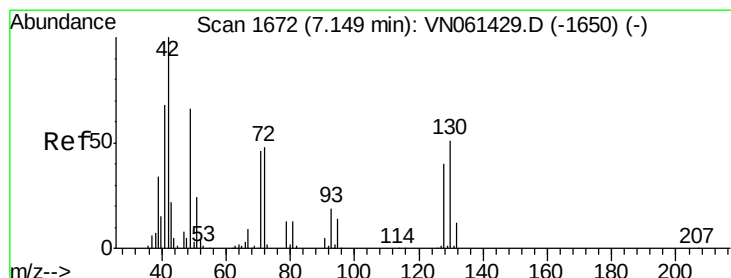
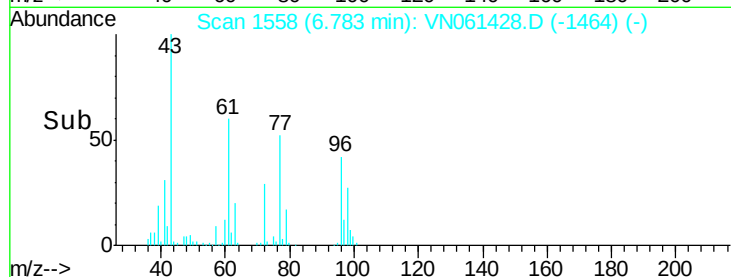
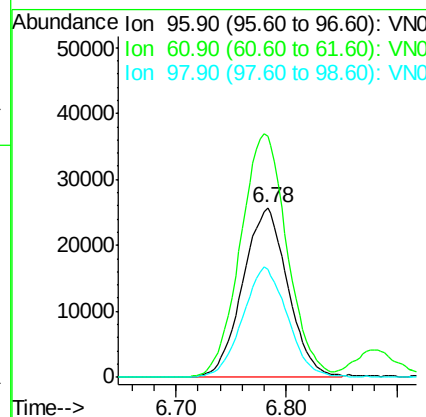
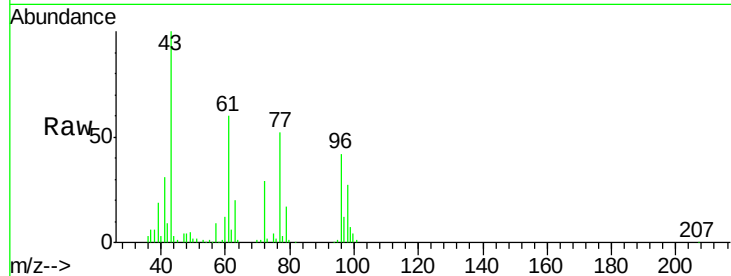
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	72862
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	294.2
98	64.5	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.554 ug/l

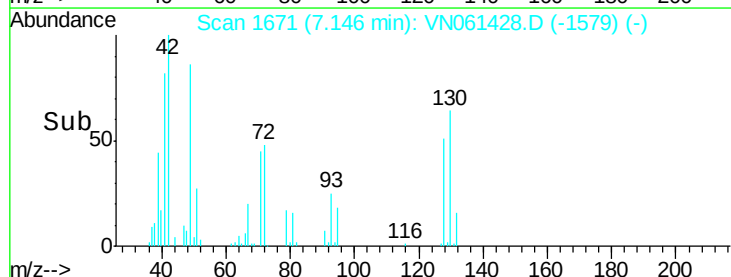
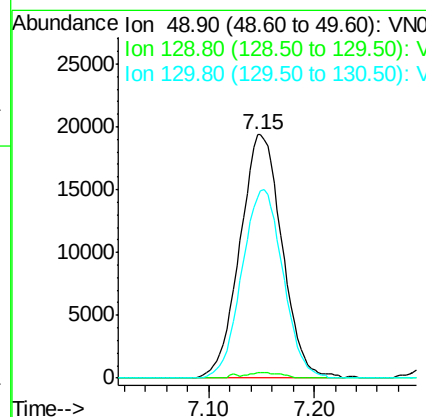
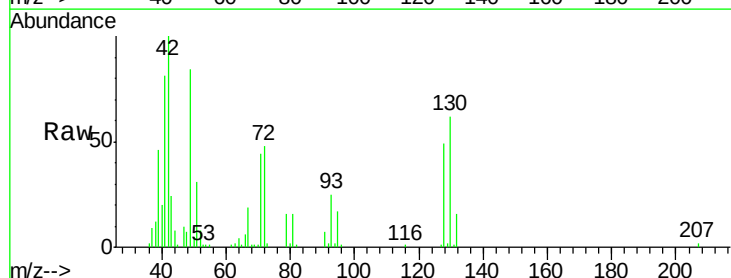
RT: 7.15 min Scan# 1671

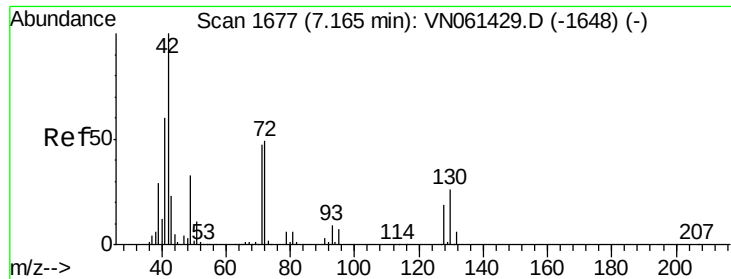
Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:	49	Resp:	53927
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	75.4	62.2	93.2





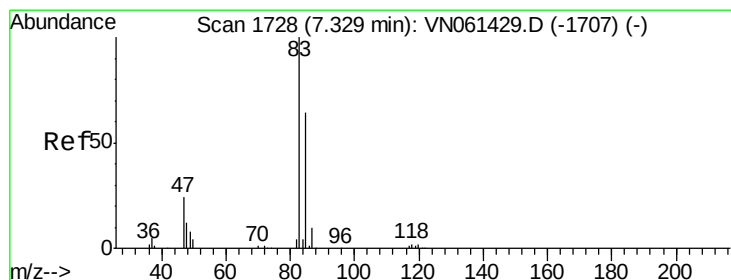
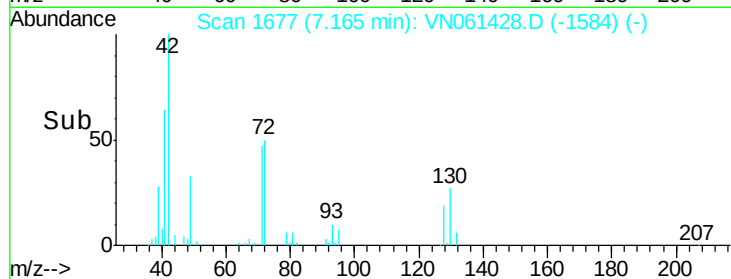
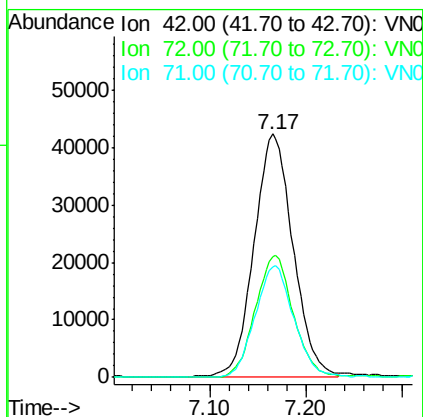
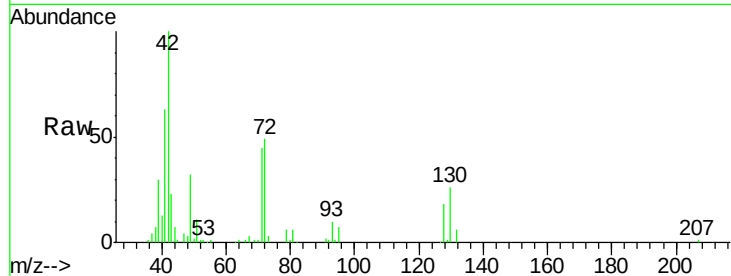
#29
Tetrahydrofuran
Concen: 99.381 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	118997
Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.0	58.6
71	45.5	36.9	55.3

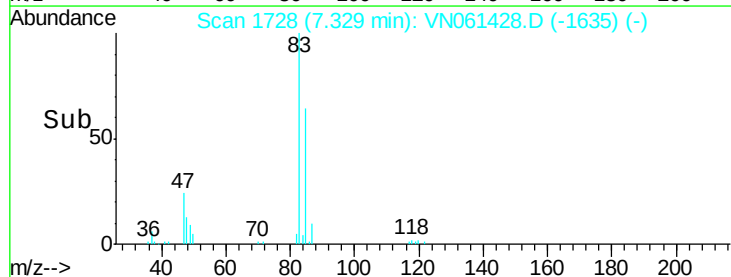
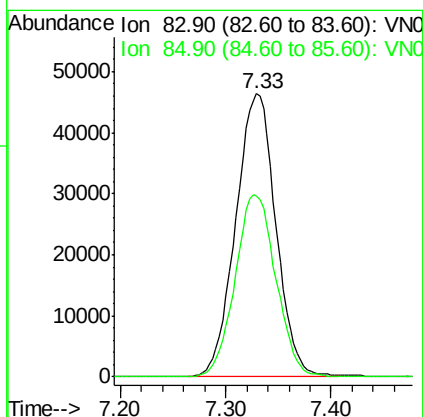
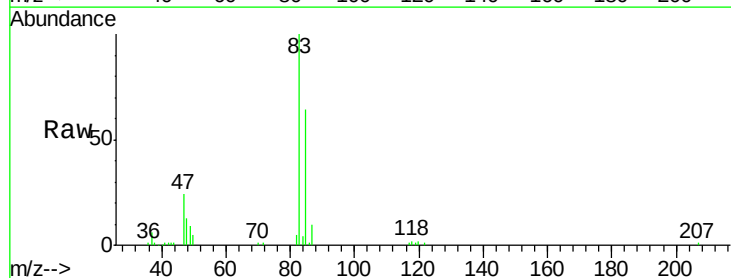
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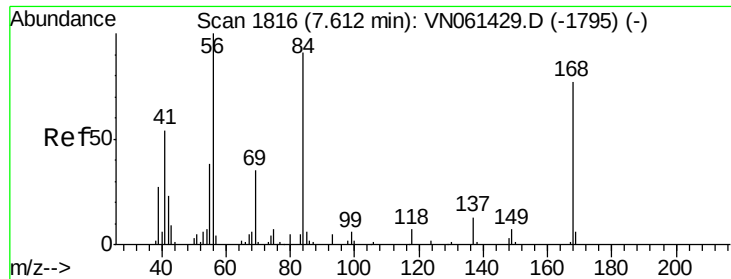
MMDadoda
5/19/2020 4:25:30 PM



#30
Chloroform
Concen: 18.621 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion:	83	Resp:	122744
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.4





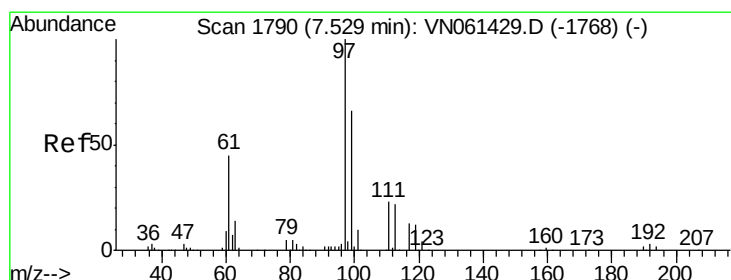
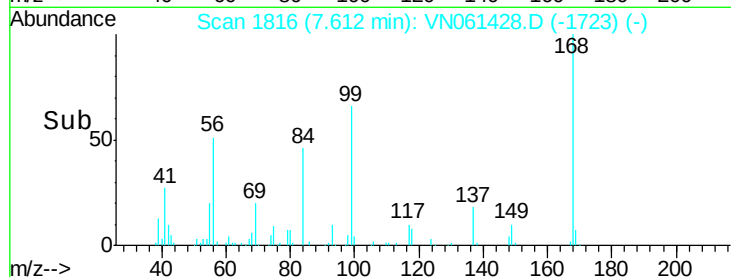
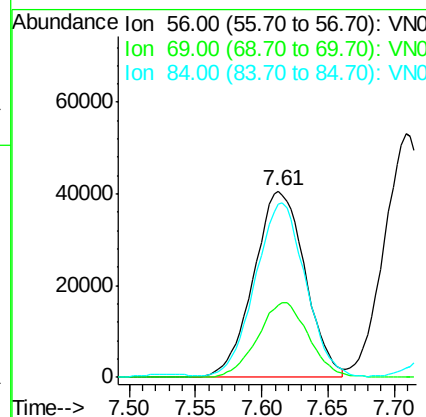
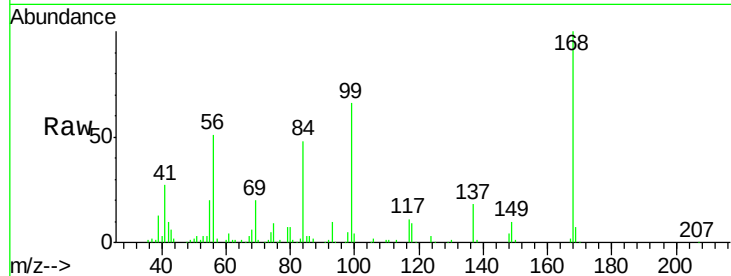
#31
Cyclohexane
Concen: 17.866 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
56	100	110154		
69	38.0		27.8	41.6
84	92.1		72.7	109.1

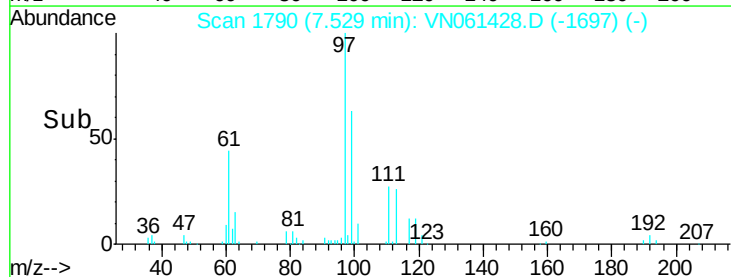
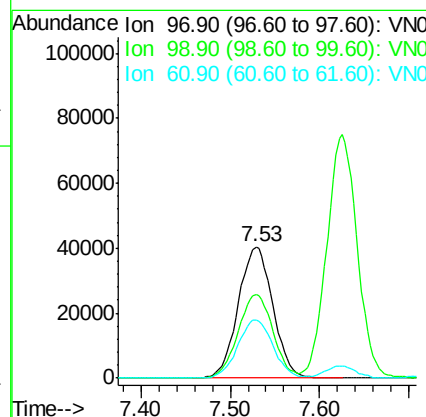
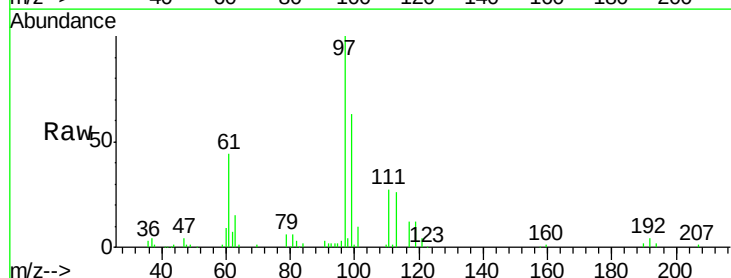
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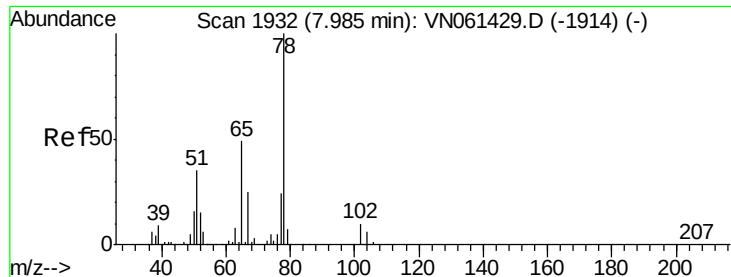
MMDadoda
5/19/2020 4:25:30 PM



#32
1,1,1-Trichloroethane
Concen: 18.591 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	109084		
99	64.1		51.5	77.3
61	45.0		35.8	53.6





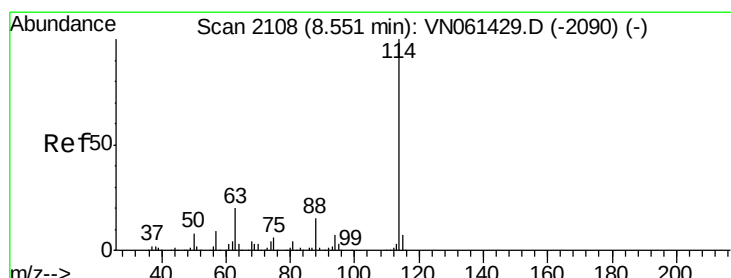
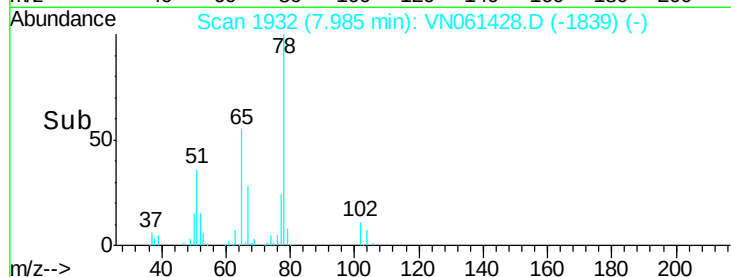
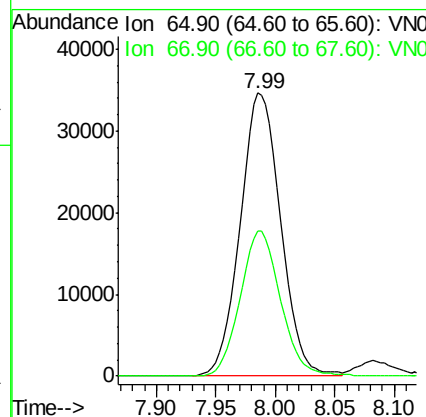
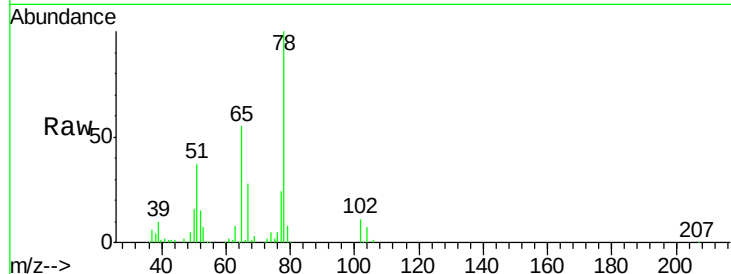
#33
 1,2-Dichloroethane-d4
 Concen: 19.370 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	81770		
67	50.9	0.0	101.4	

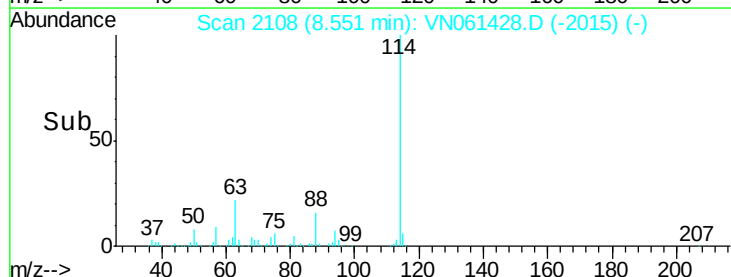
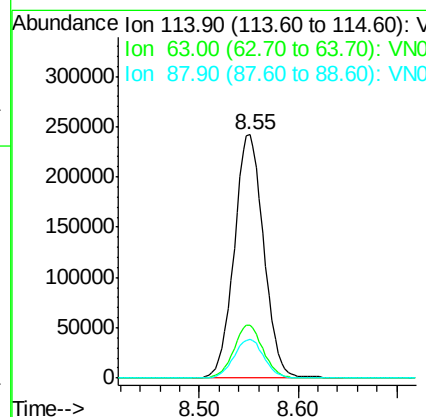
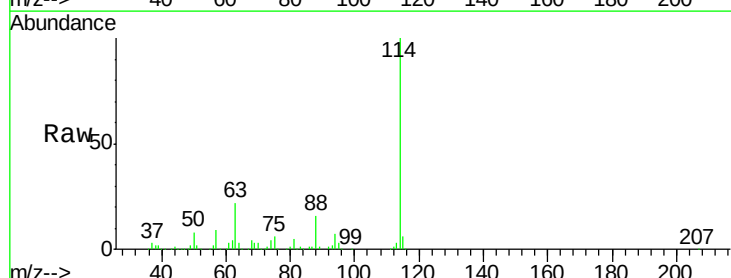
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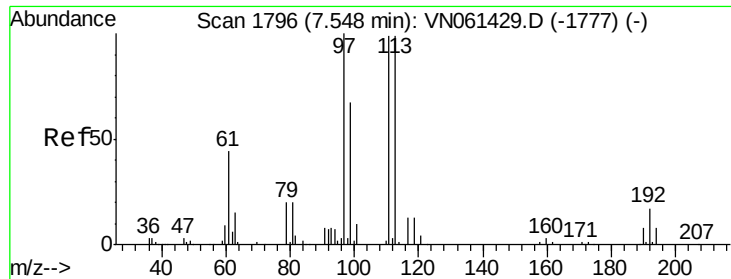
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	503896		
63	21.6	0.0	40.8	
88	15.8	0.0	30.8	





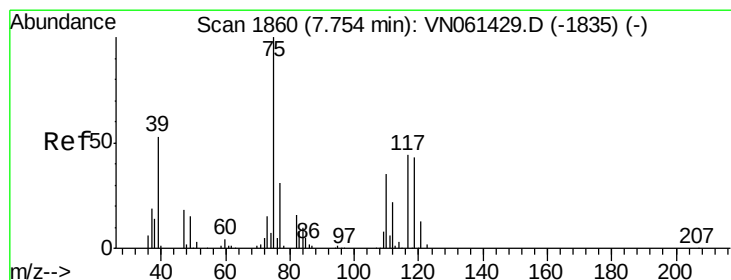
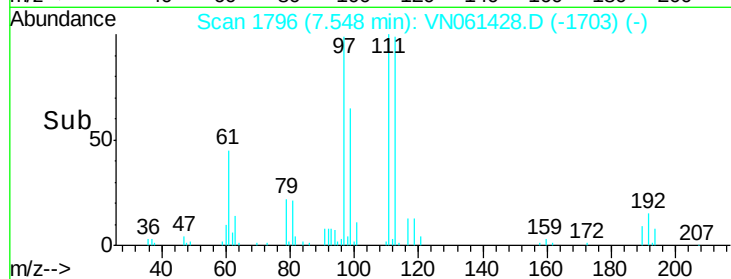
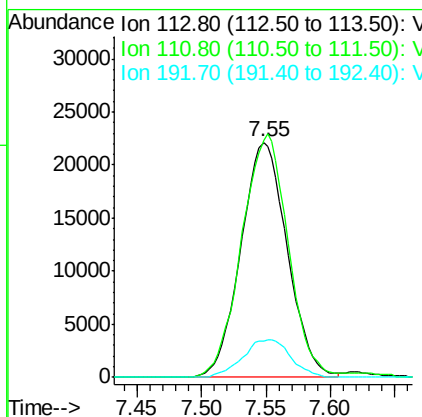
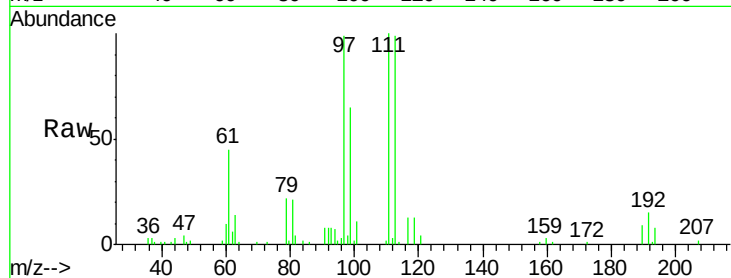
#35
 Dibromofluoromethane
 Concen: 21.909 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.6	121.0
192	16.6	13.2	19.8

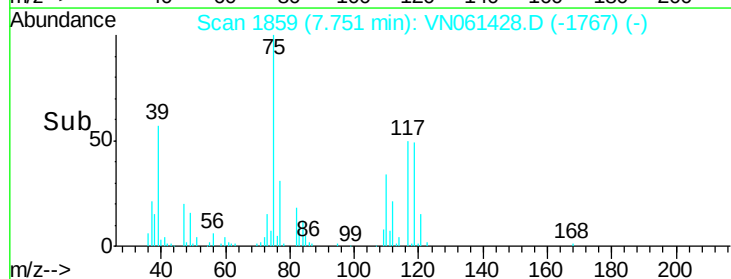
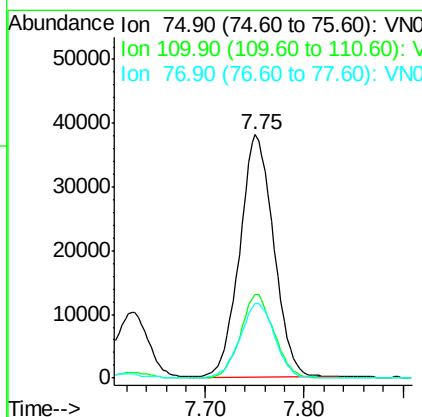
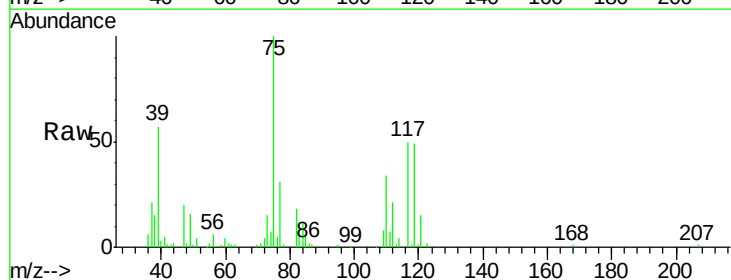
Manual Integrations
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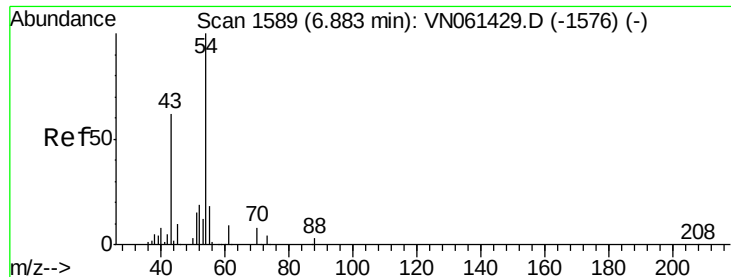
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#36
 1,1-Dichloropropene
 Concen: 18.052 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	51.9
77	31.6	24.9	37.3





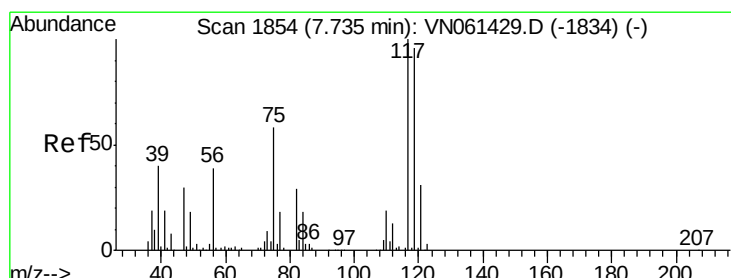
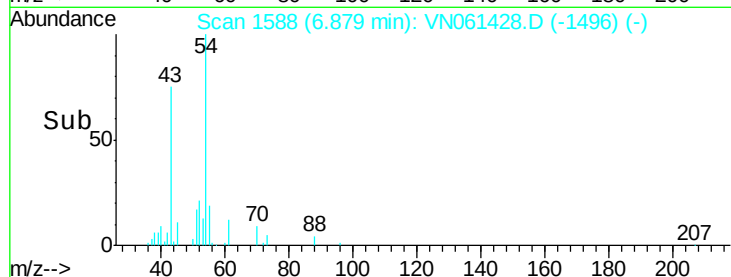
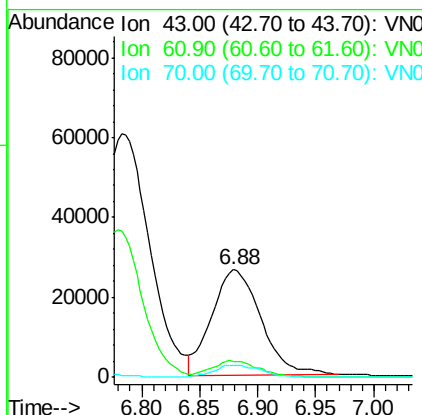
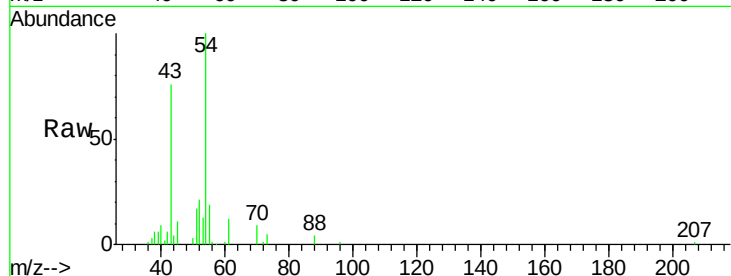
#37
Ethyl Acetate
Concen: 18.582 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	77876
Ion Ratio	100		
Lower	11.7		
Upper	17.5		
61	15.2		
70	11.4		

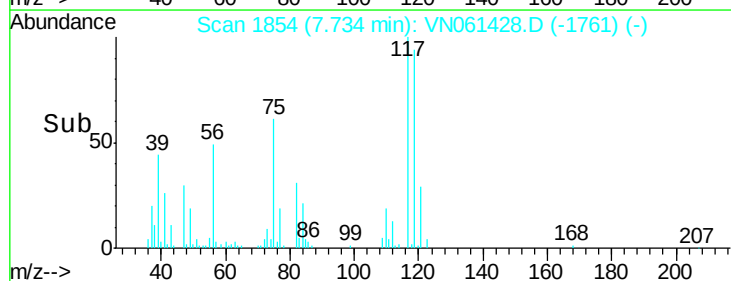
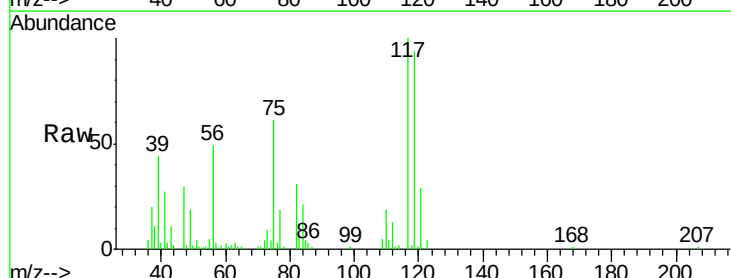
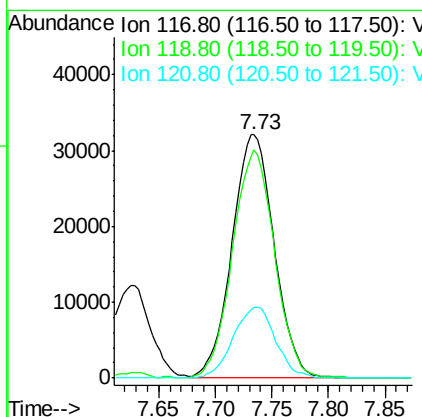
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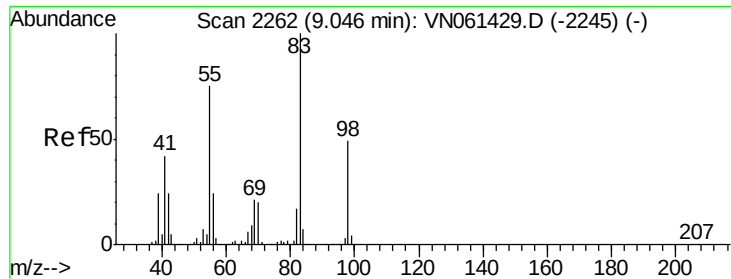
MMDadoda
5/19/2020 4:25:30 PM



#38
Carbon Tetrachloride
Concen: 19.328 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	117	Resp	83297
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower	77.0		
Upper	115.6		
119	93.9		
121	28.9		





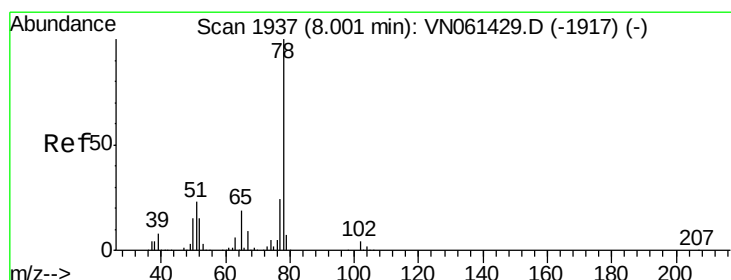
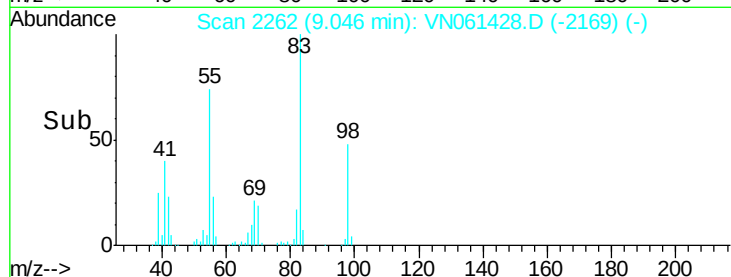
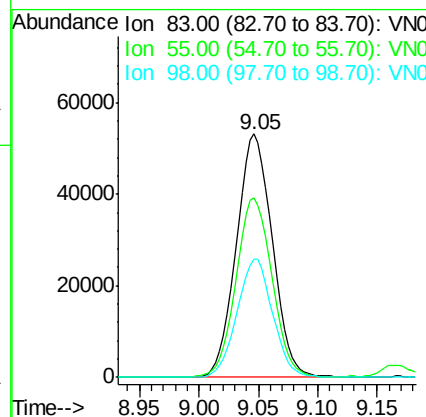
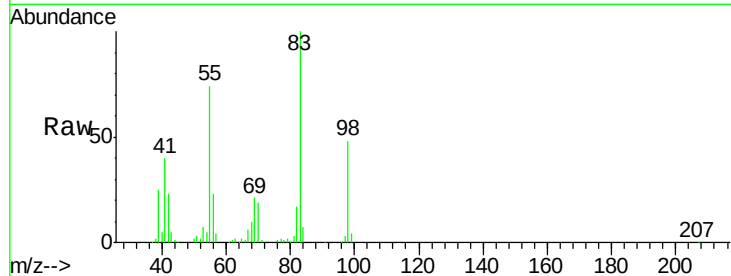
#39
Methylvlcyclohexane
Concen: 18.634 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	111486		
55	73.9		59.7	89.5
98	48.5		38.9	58.3

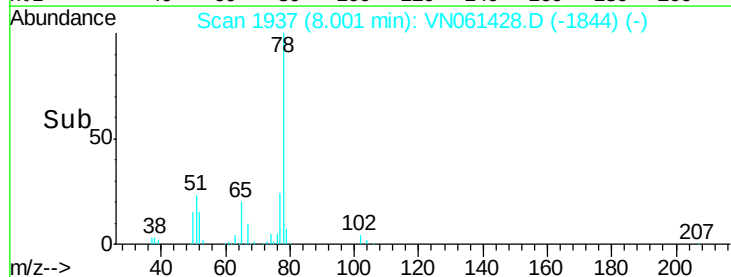
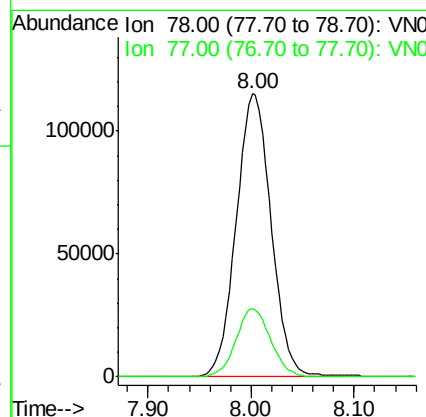
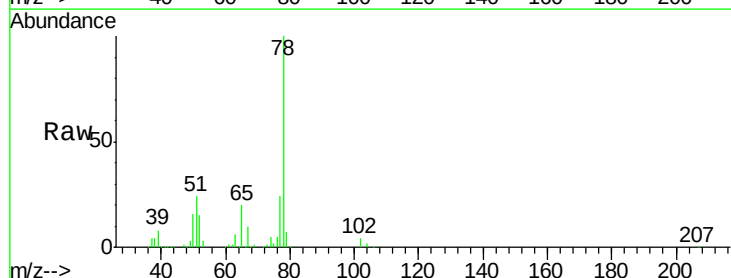
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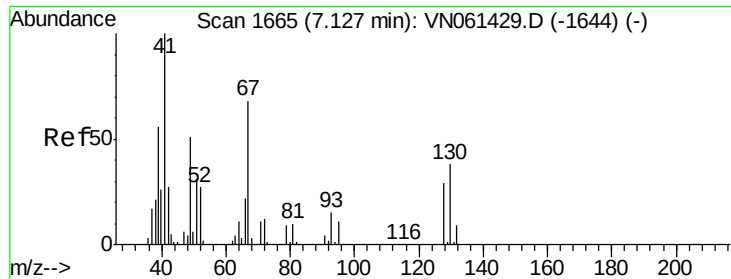
MMDadoda
5/19/2020 4:25:30 PM



#40
Benzene
Concen: 18.350 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	271507		
77	24.2		19.1	28.7





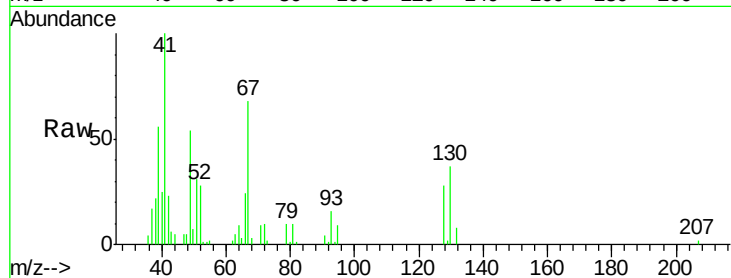
#41
Methacrylonitrile
Concen: 19.766 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

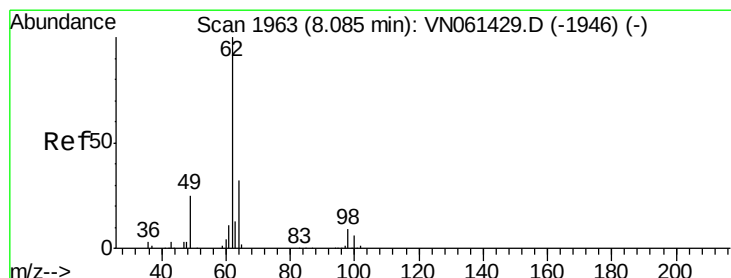
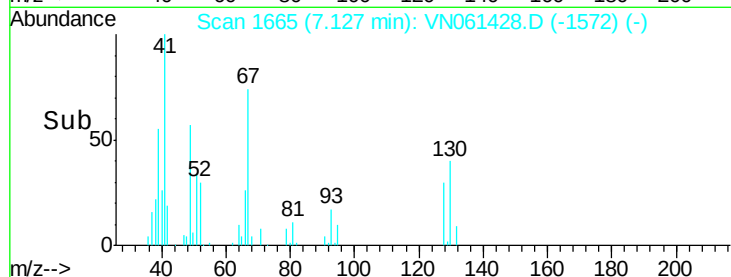
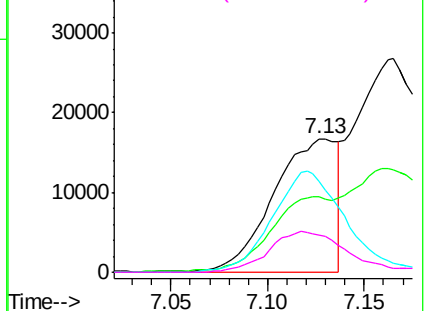
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	48.3	72.5	
67	86.7	74.2	111.4	
52	37.7	30.8	46.2	

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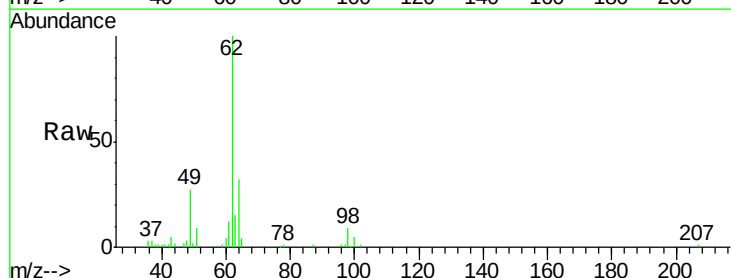


Abundance Ion 41.00 (40.70 to 41.70): VN061428.D (-1572) (-)
Ion 39.00 (38.70 to 39.70): VN061428.D (-1572) (-)
Ion 67.00 (66.70 to 67.70): VN061428.D (-1572) (-)
Ion 52.00 (51.70 to 52.70): VN061428.D (-1572) (-)

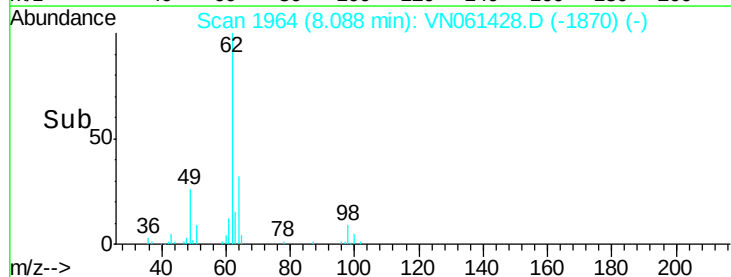
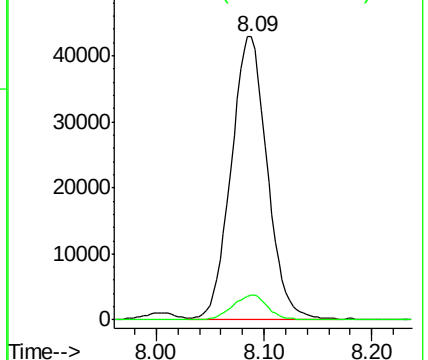


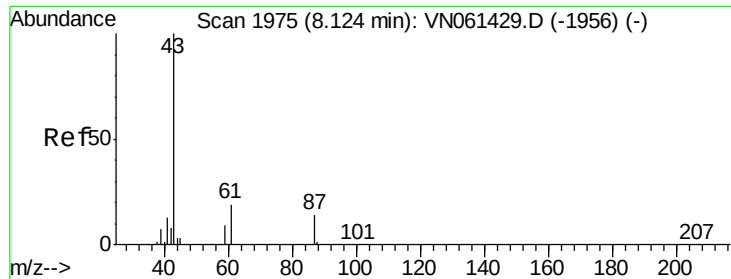
#42
1,2-Dichloroethane
Concen: 18.885 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	18.4	



Abundance Ion 61.90 (61.60 to 62.60): VN061428.D (-1870) (-)
Ion 97.90 (97.60 to 98.60): VN061428.D (-1870) (-)





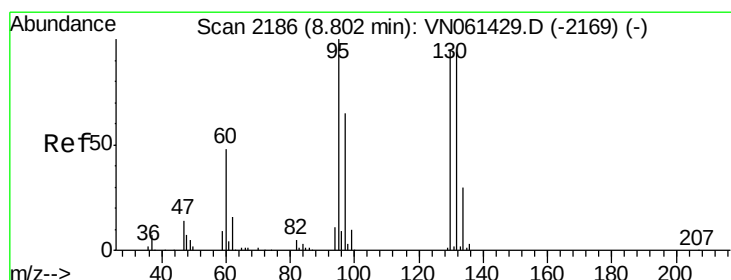
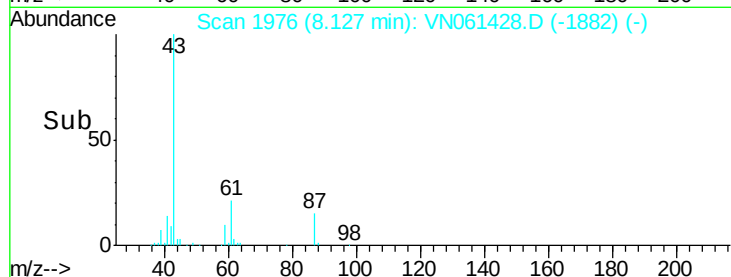
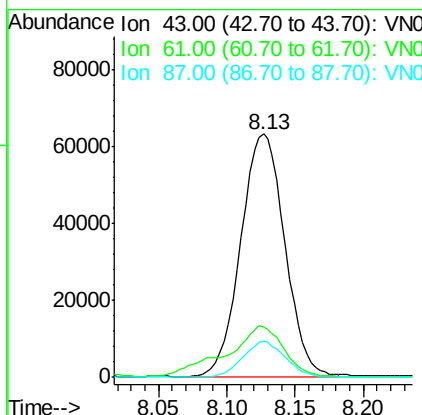
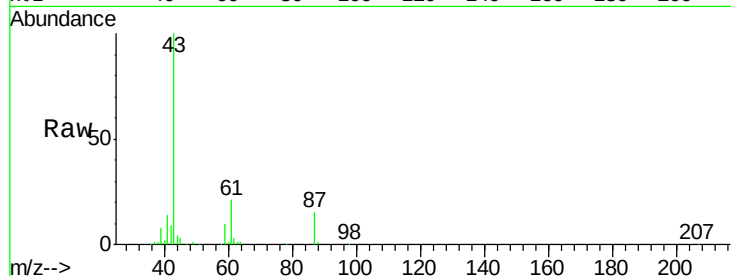
#43
Isopropyl Acetate
Concen: 17.477 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	140831
Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.0	34.4
87	14.4	11.6	17.4

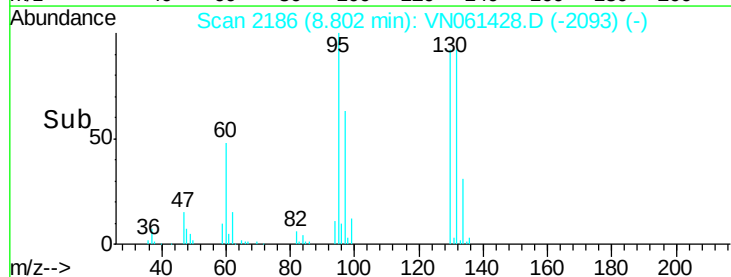
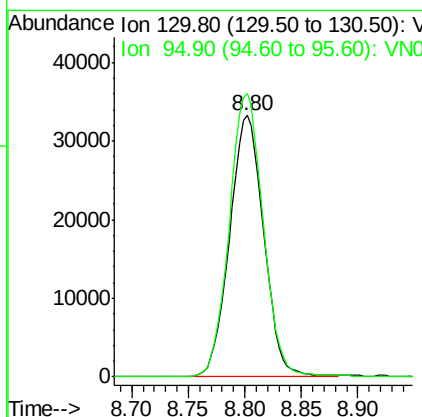
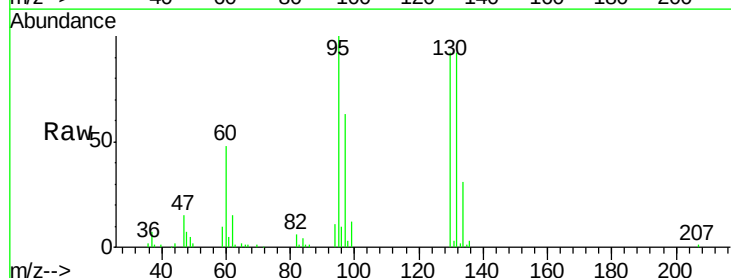
Manual Integrations
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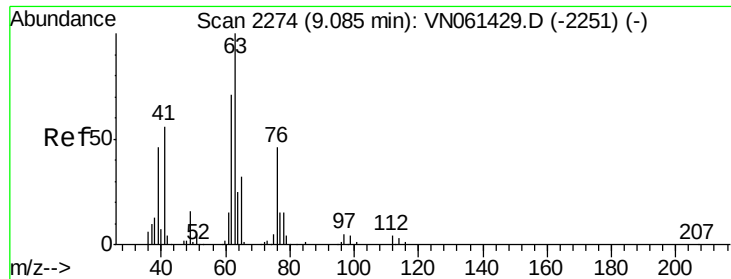
MMDadoda
5/19/2020 4:25:30 PM



#44
Trichloroethene
Concen: 18.281 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion:	130	Resp:	69894
Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	209.8





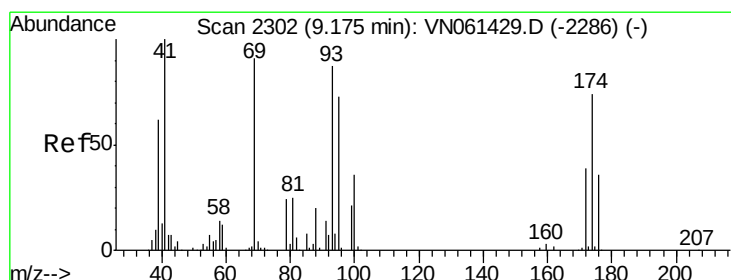
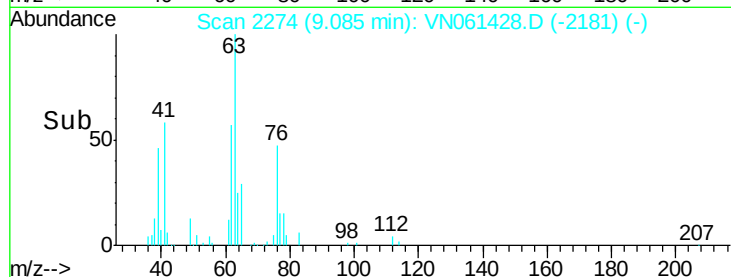
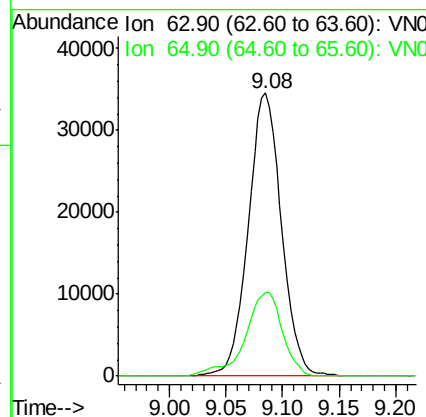
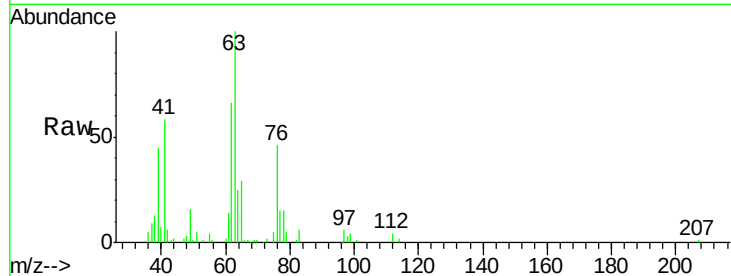
#45
 1,2-Dichloropropane
 Concen: 18.945 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	25.2	37.8

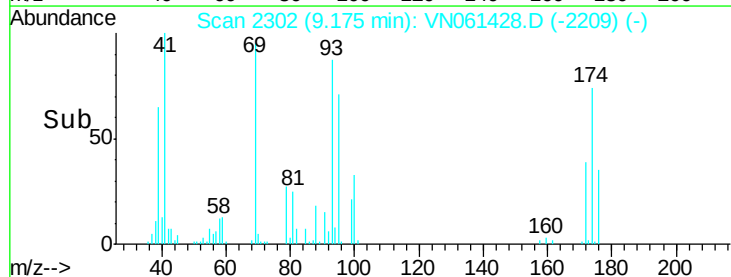
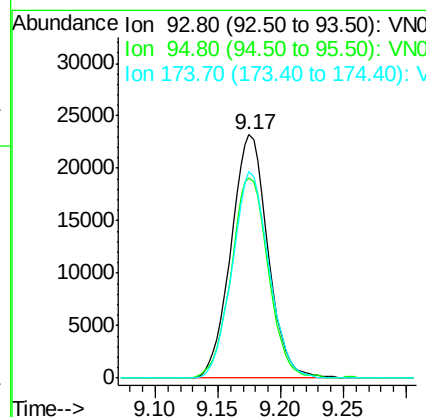
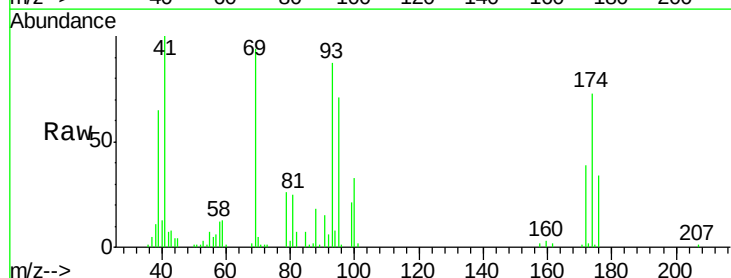
Manual Integrations
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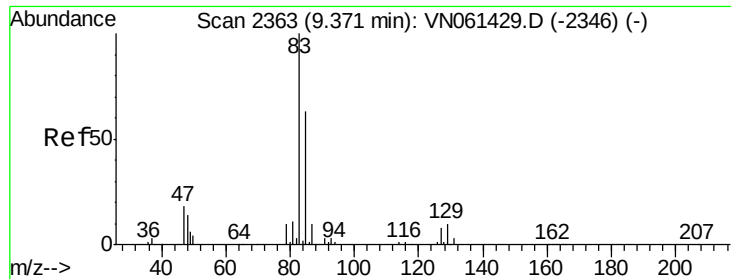
MMDadoda
 5/19/2020 4:25:30 PM



#46
 Dibromomethane
 Concen: 18.894 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.6	98.4
174	84.4	68.0	102.0





#47

Bromodichloromethane

Concen: 18.788 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

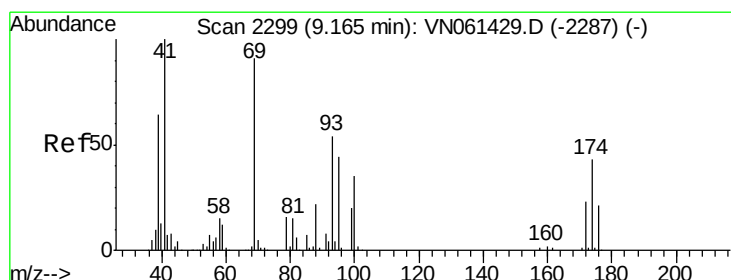
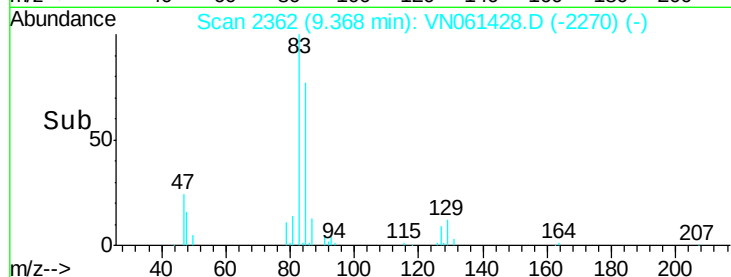
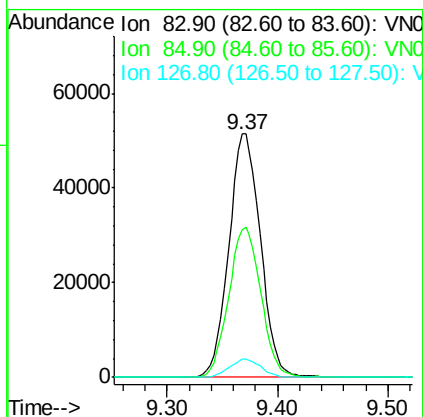
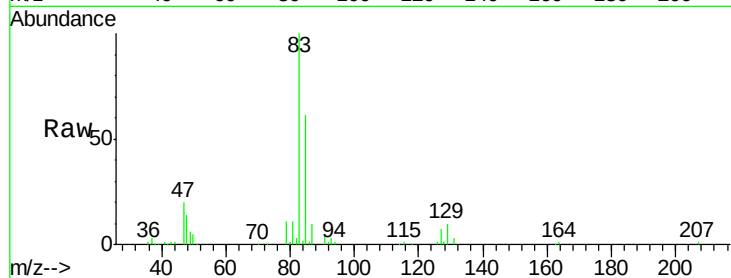
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	102228
Ion Ratio	Lower	Upper	
83	100		
85	60.9	50.6	76.0
127	7.3	6.1	9.1

Manual Integrations
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MMDadoda
5/19/2020 4:25:30 PM



#48

Methyl methacrylate

Concen: 17.335 ug/l

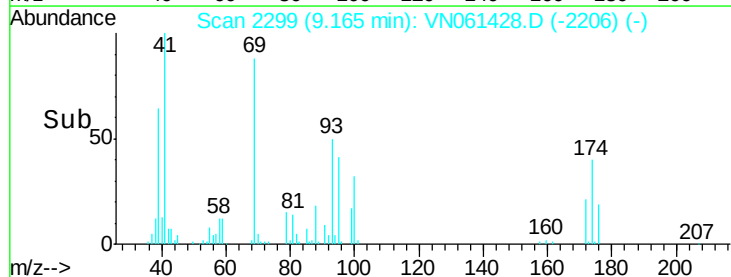
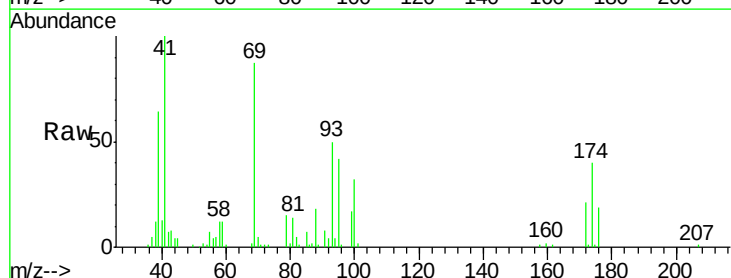
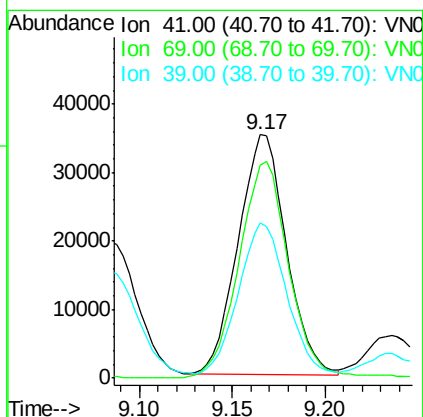
RT: 9.17 min Scan# 2299

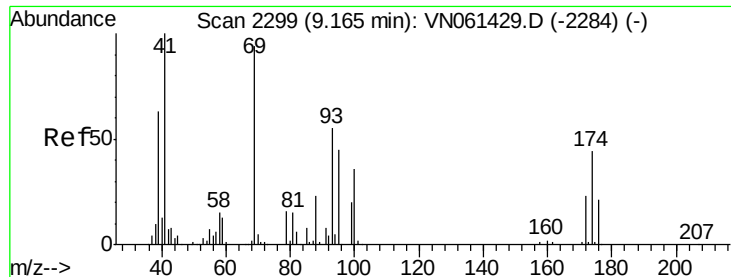
Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:	41	Resp:	63210
Ion Ratio	Lower	Upper	
41	100		
69	93.6	75.3	112.9
39	65.3	52.6	79.0





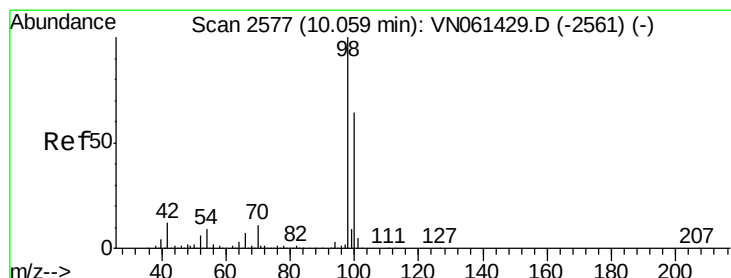
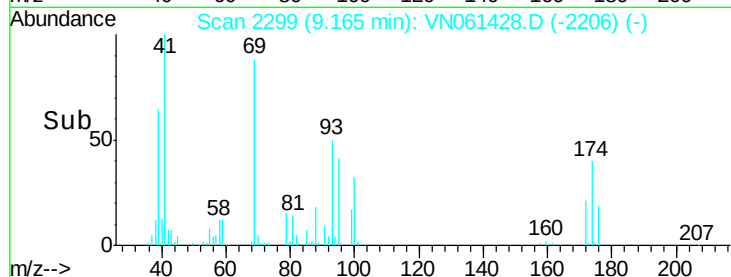
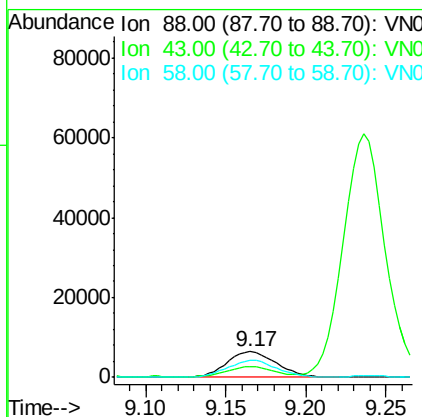
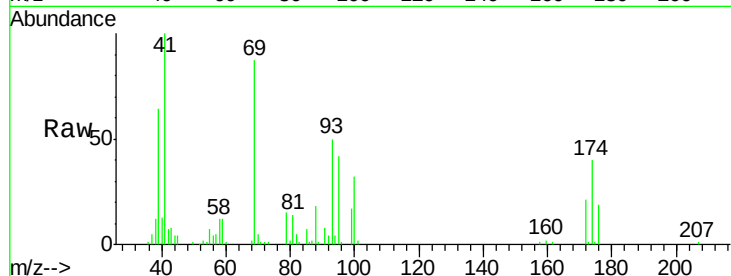
#49
1,4-Dioxane
Concen: 575.434 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	42.0	26.3	39.5#	
58	66.0	54.1	81.1	

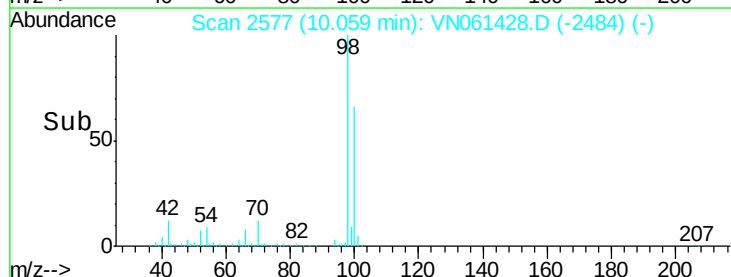
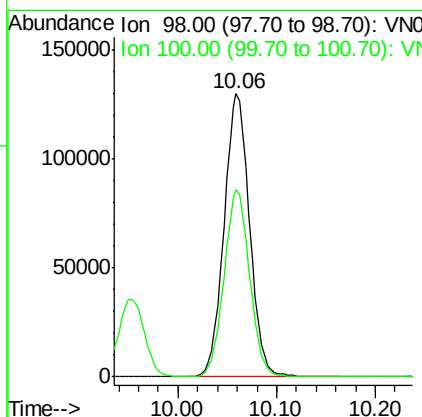
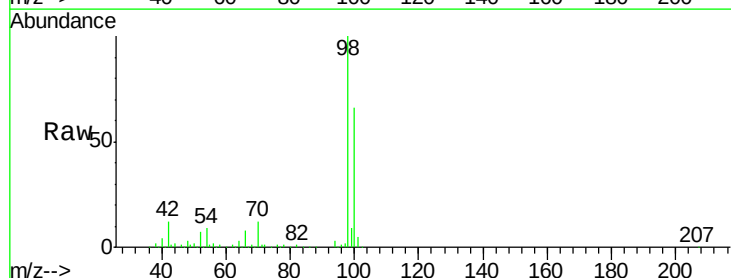
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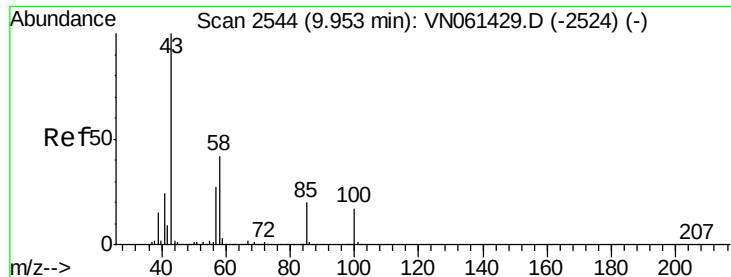
MMDadoda
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#50
Toluene-d8
Concen: 18.821 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.7	51.8	77.8	





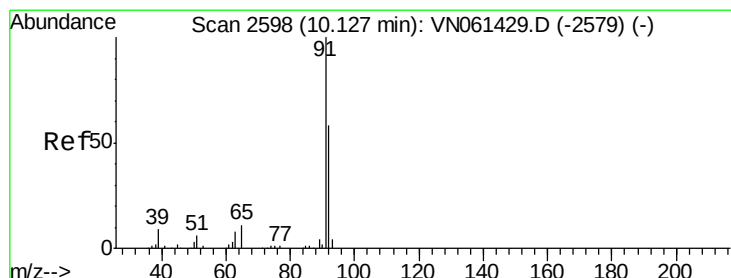
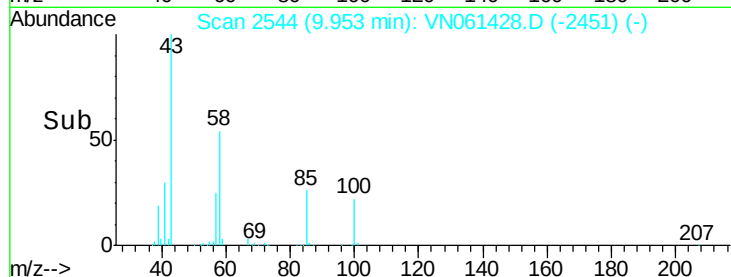
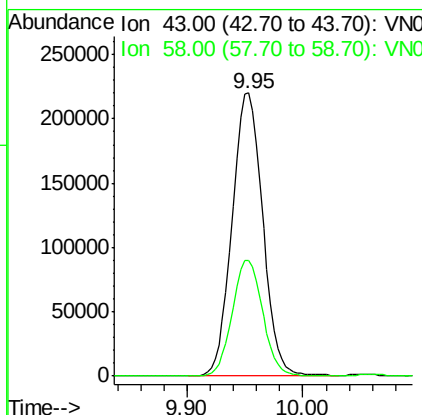
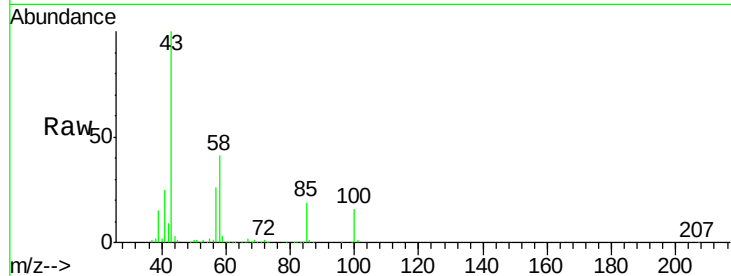
#51
4-Methyl-2-Pentanone
Concen: 92.667 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	43	Resp	402093
Ion Ratio	100	Lower	Upper
43	100		
58	40.7	33.4	50.2

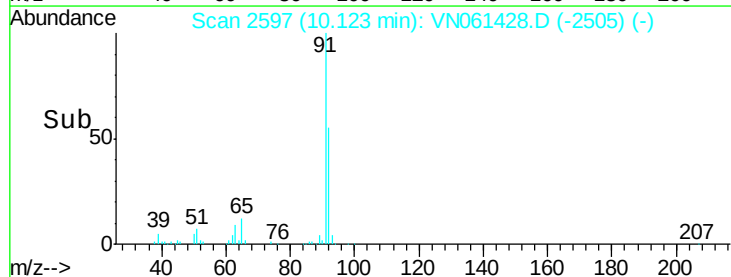
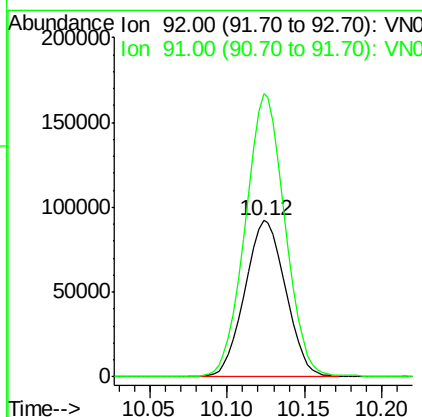
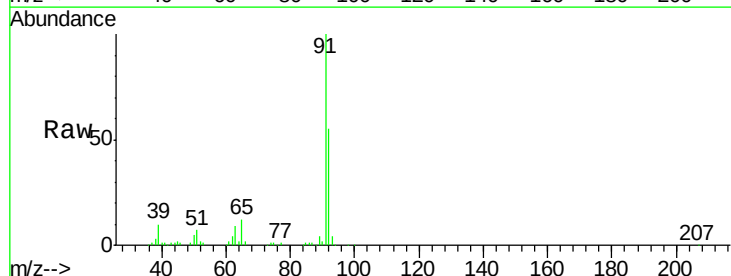
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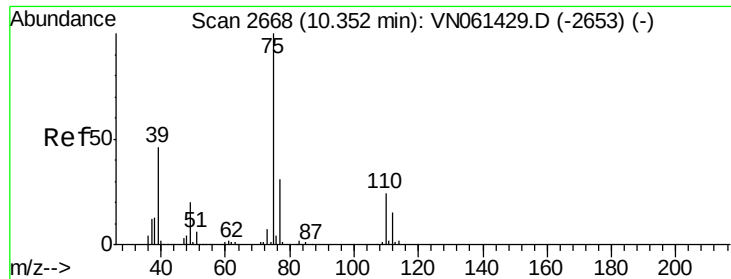
MMDadoda
5/19/2020 4:25:30 PM



#52
Toluene
Concen: 18.073 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	92	Resp	169737
Ion Ratio	100	Lower	Upper
92	100		
91	176.4	138.0	207.0





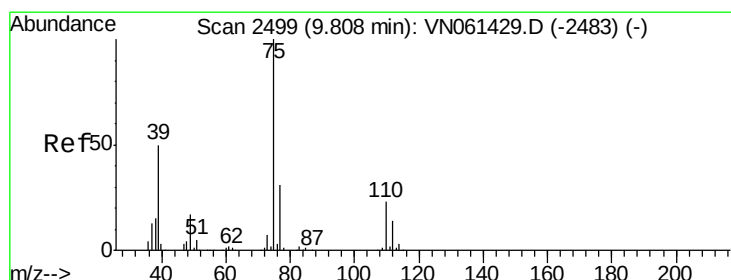
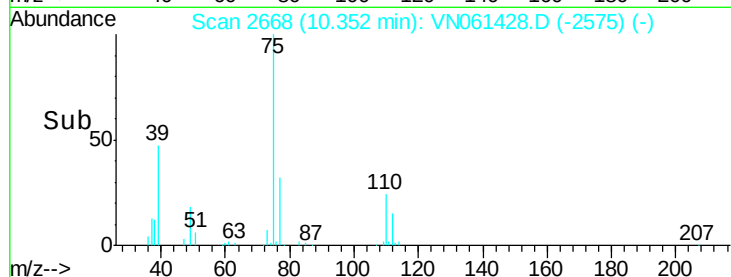
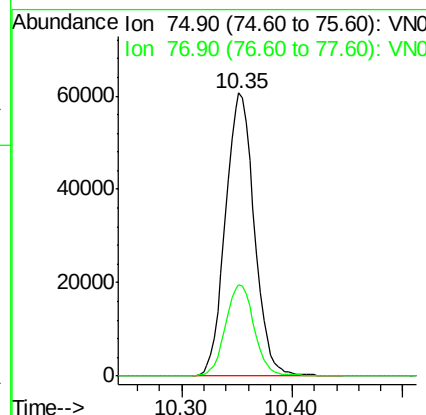
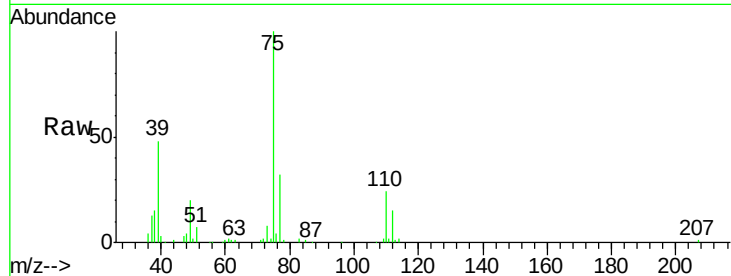
#53
t-1,3-Dichloropropene
Concen: 18.515 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.8	37.2

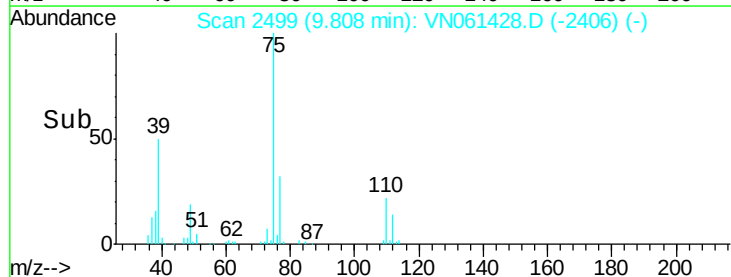
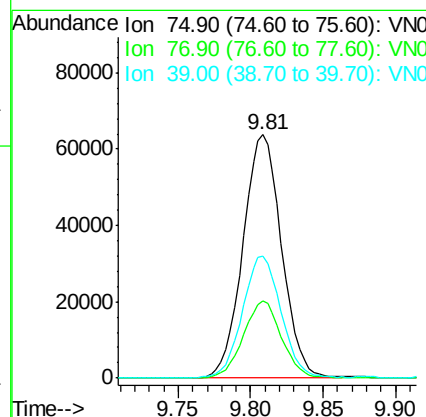
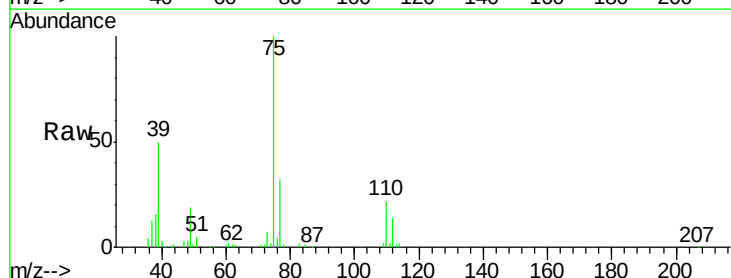
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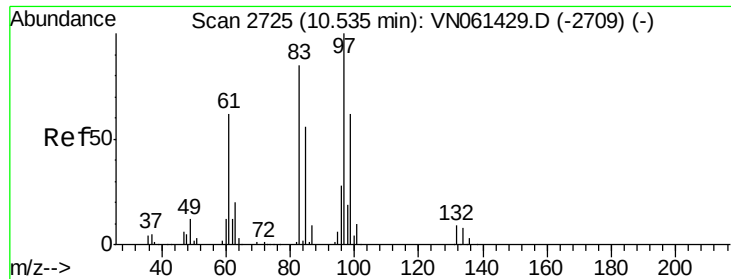
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.855 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2
39	49.9	39.8	59.6





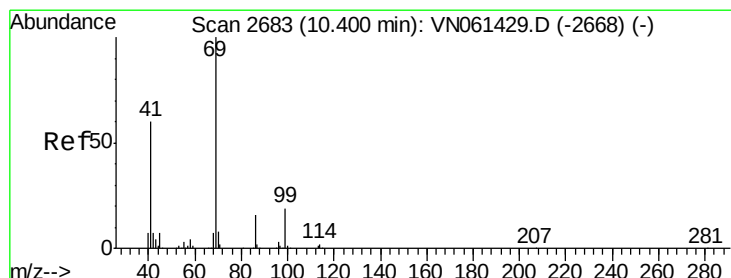
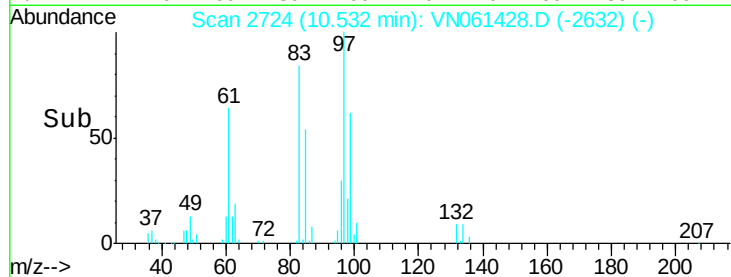
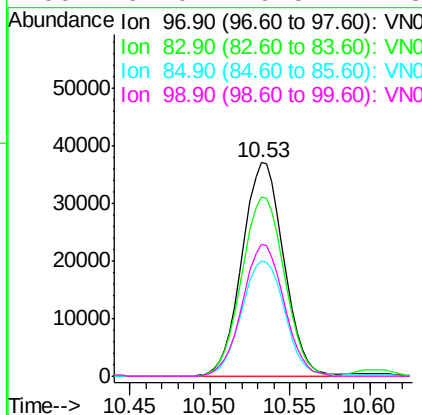
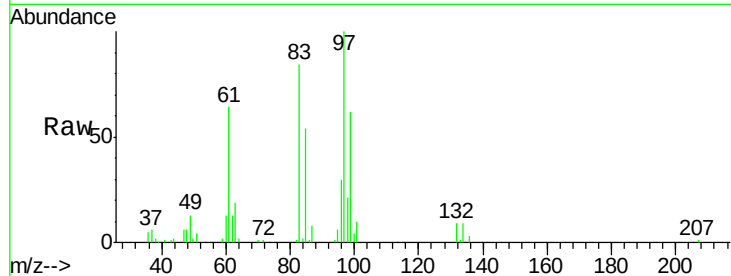
#55
 1,1,2-Trichloroethane
 Concen: 18.901 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	66048
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.2	102.4
85	54.2	44.6	67.0
99	62.0	49.5	74.3

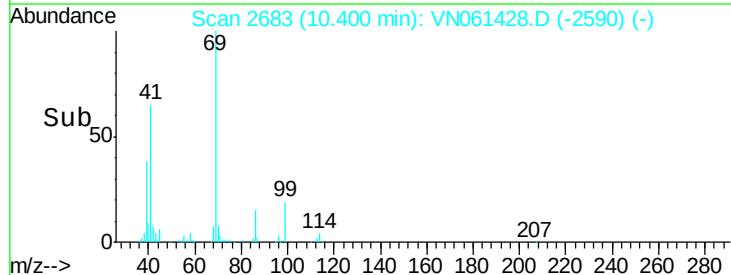
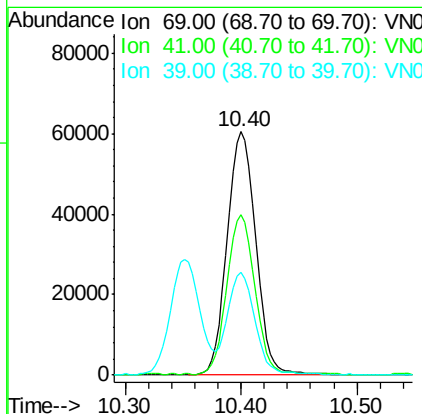
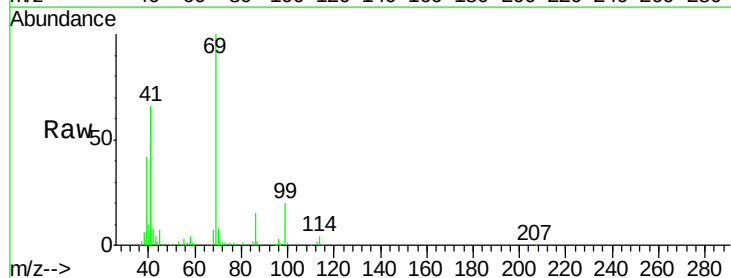
Manual Integrations
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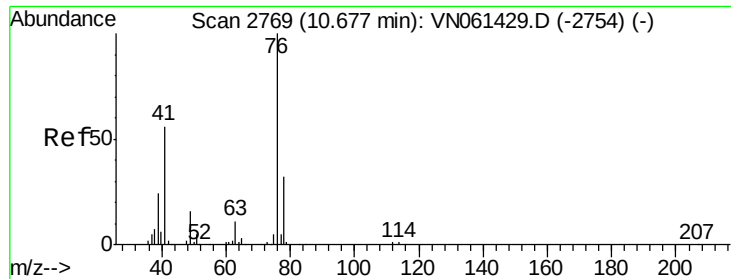
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#56
 Ethyl methacrylate
 Concen: 18.097 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion:	69	Resp:	103395
Ion	Ratio	Lower	Upper
69	100		
41	63.6	48.3	72.5
39	38.9	30.2	45.2





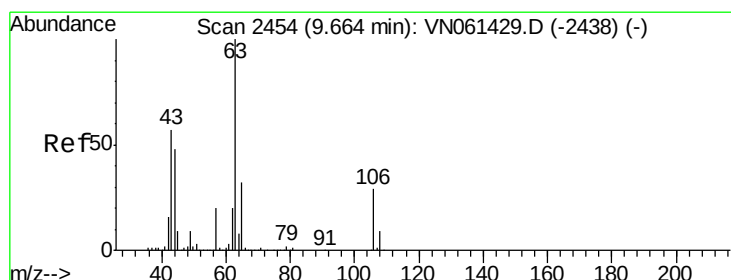
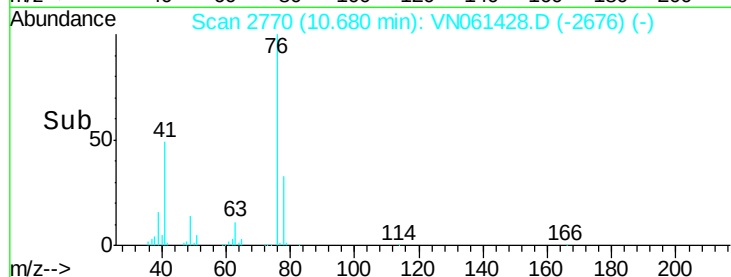
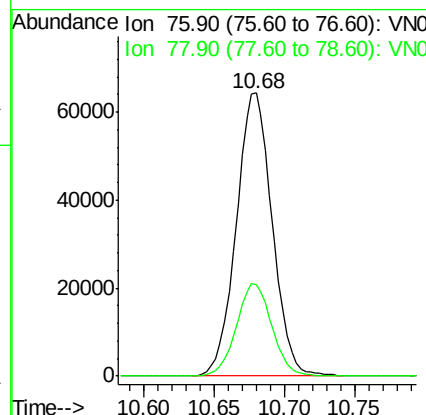
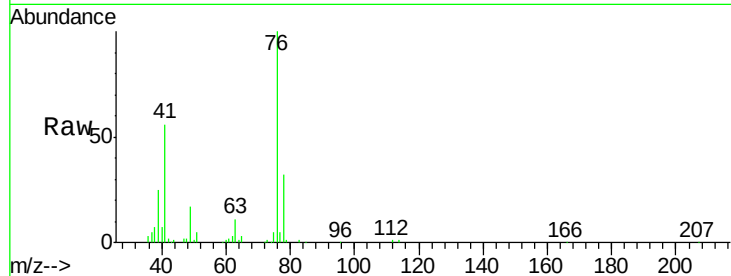
#57
 1,3-Dichloropropane
 Concen: 18.835 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

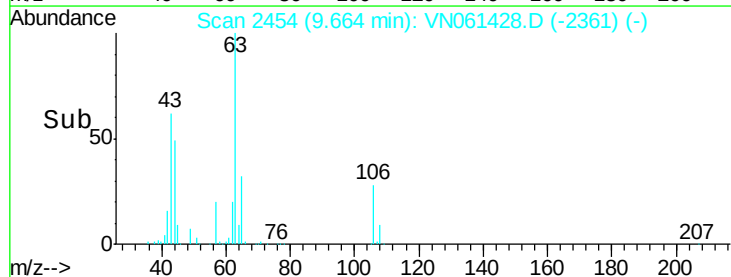
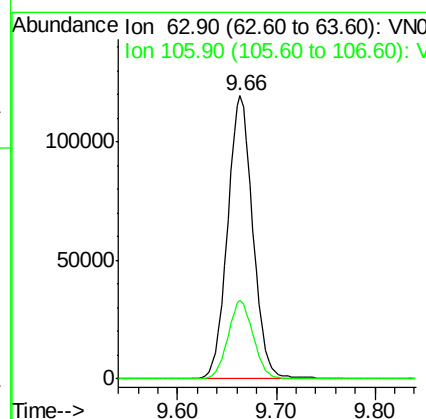
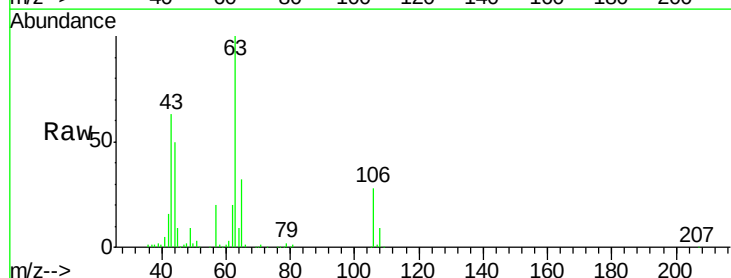
Manual Integrations
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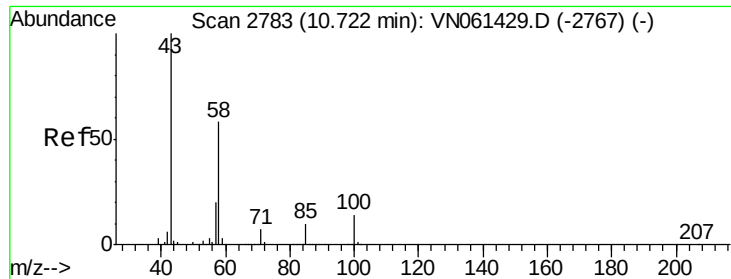
MMDadoda
 5/19/2020 4:25:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.177 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.7	34.1





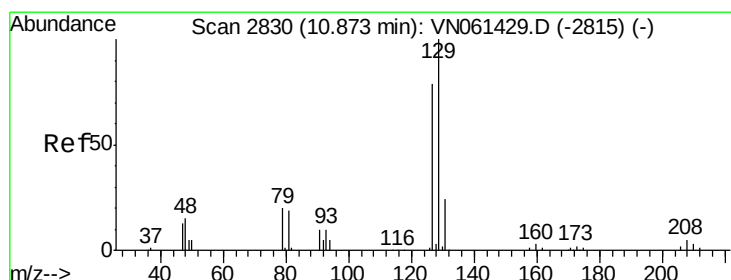
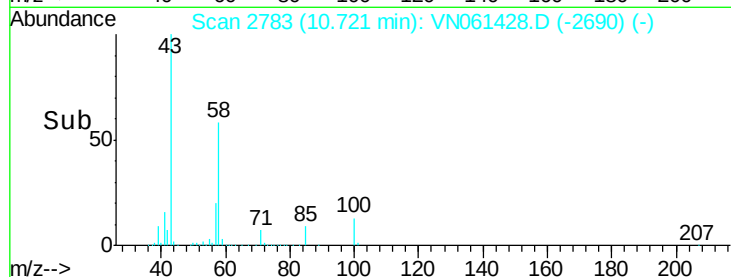
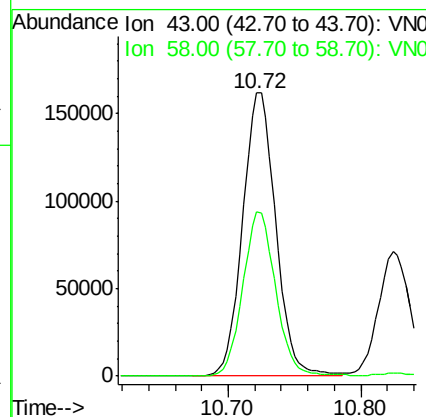
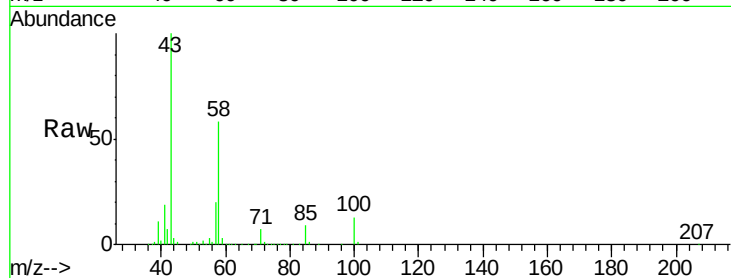
#59
2-Hexanone
Concen: 94.252 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	280158
Ion Ratio	100	Lower	Upper
43	100		
58	57.8	29.2	87.6

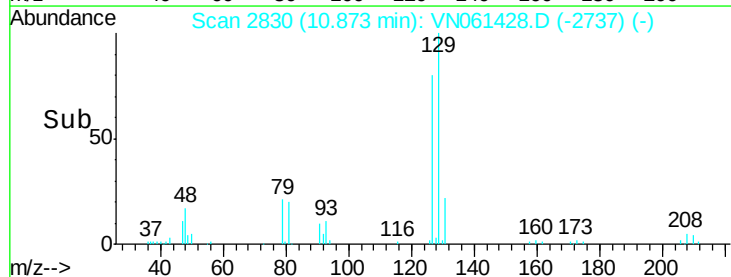
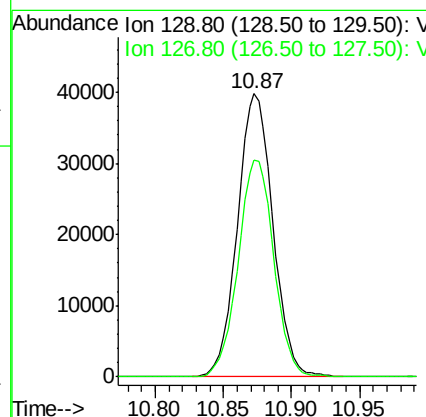
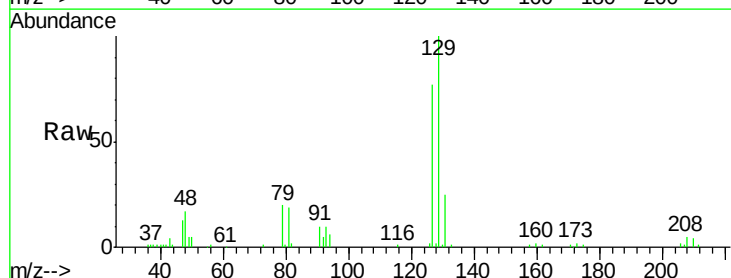
Manual Integrations
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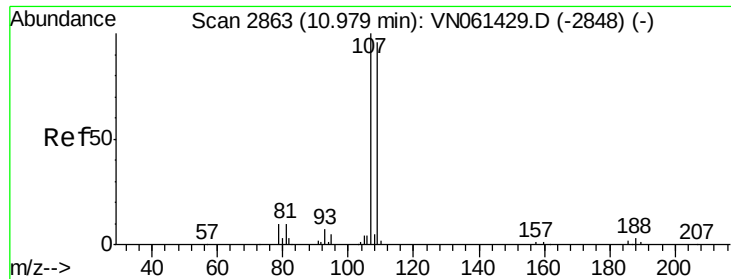
MMDadoda
5/19/2020 4:25:30 PM



#60
Dibromochloromethane
Concen: 18.459 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	129	Resp	71714
Ion Ratio	100	Lower	Upper
129	100		
127	77.2	38.8	116.3





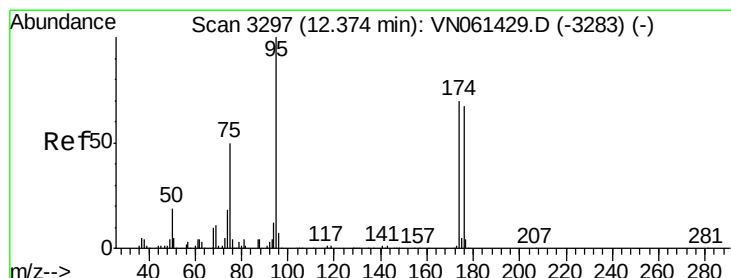
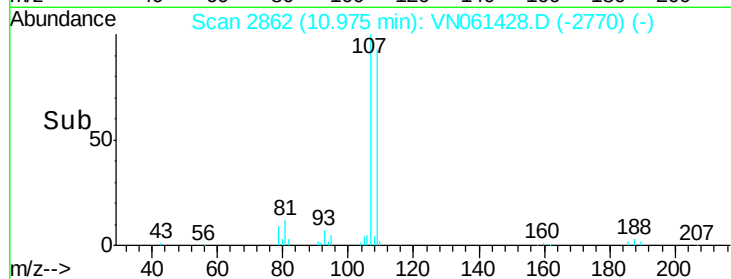
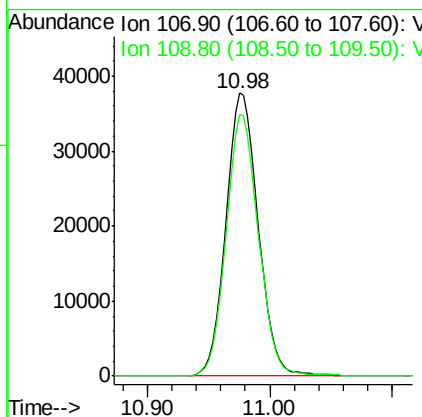
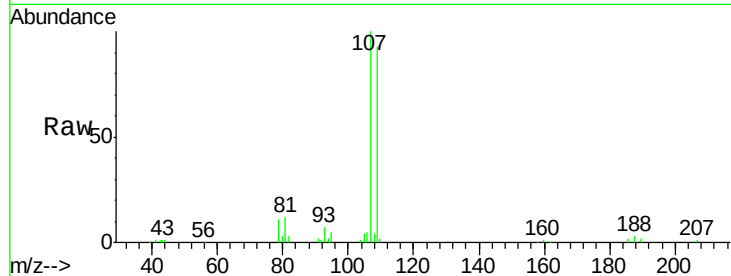
#61
 1,2-Dibromoethane
 Concen: 18.976 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.7	113.5

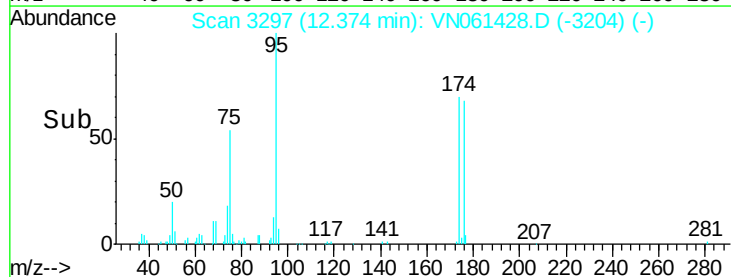
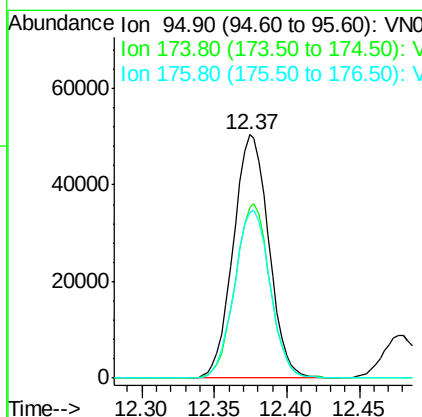
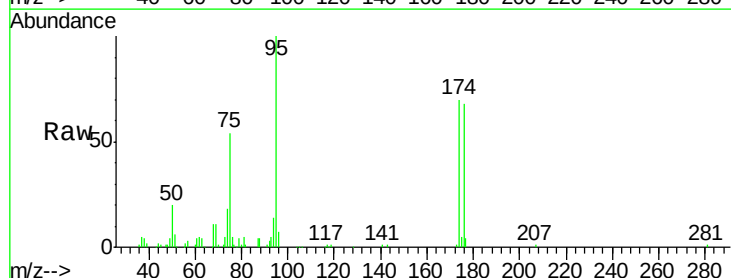
Manual Integrations
 APPROVED

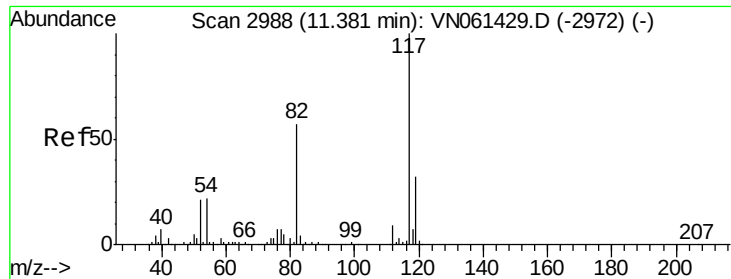
MMDadoda
 5/19/2020 4:25:30 PM



#62
 4-Bromofluorobenzene
 Concen: 18.610 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	141.2
176	69.2	0.0	137.6





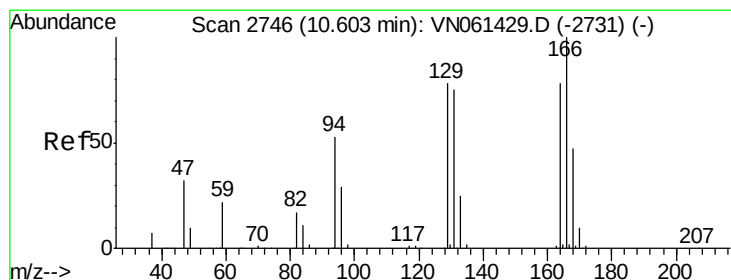
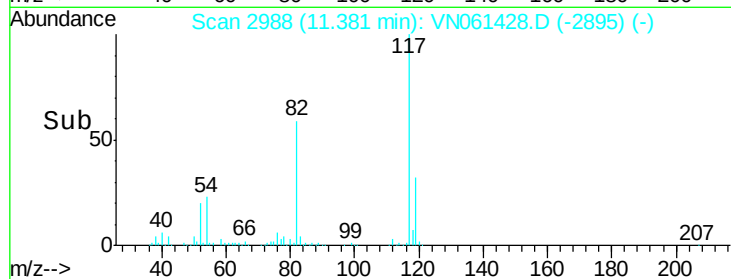
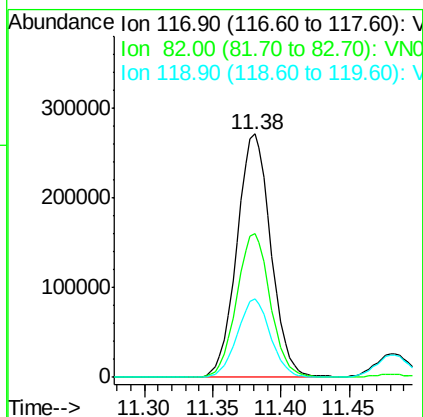
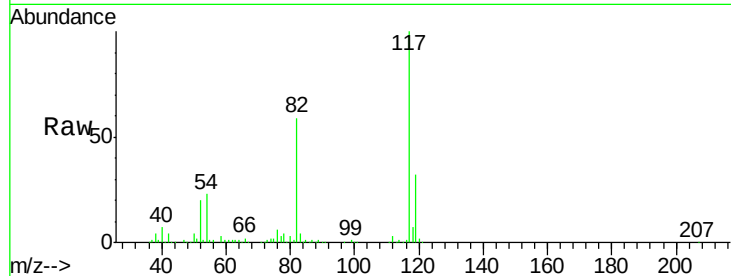
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	469937		
82	59.3	45.2	67.8	
119	32.4	25.3	37.9	

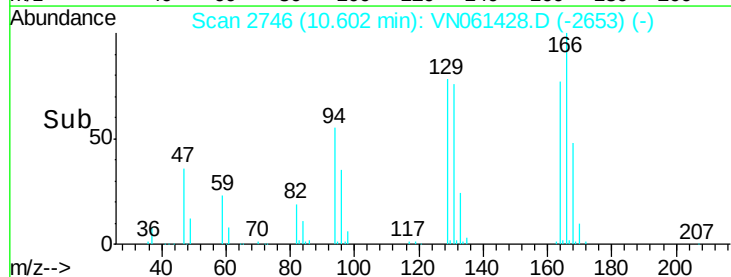
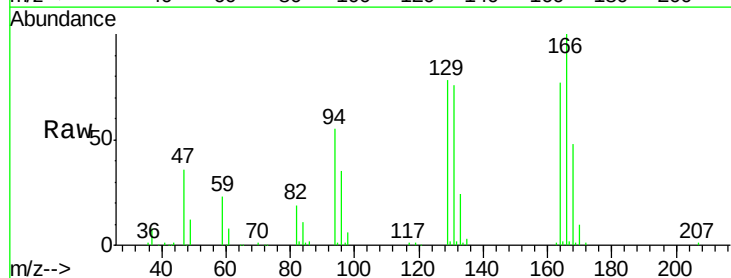
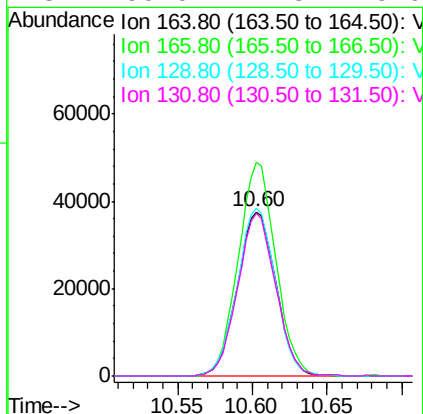
Manual Integrations
APPROVED

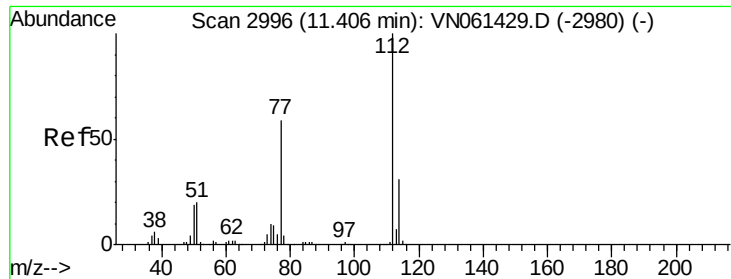
MMDadoda
5/19/2020 4:25:30 PM



#64
Tetrachloroethene
Concen: 18.355 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67531		
166	129.9	103.2	154.8	
129	101.6	81.0	121.4	
131	99.0	77.3	115.9	





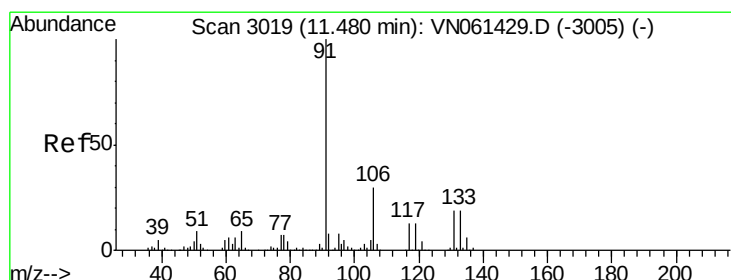
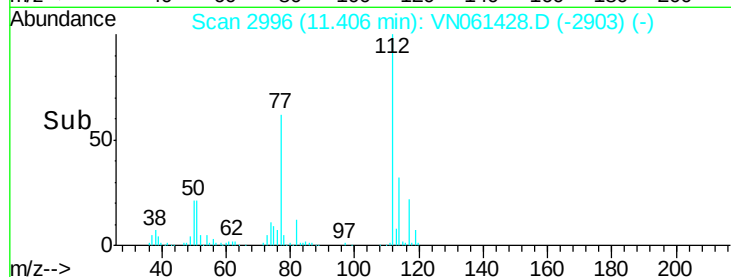
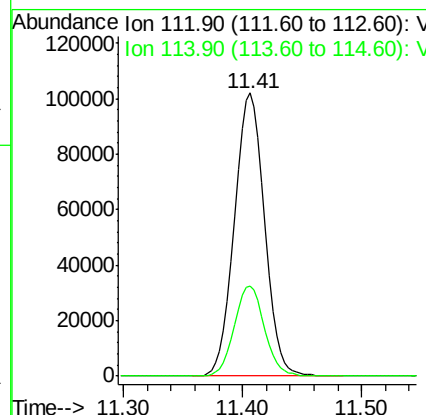
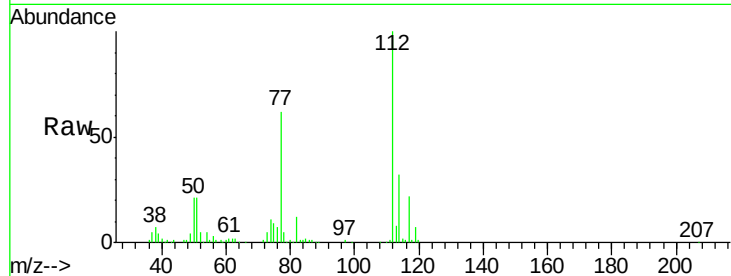
#65
Chlorobenzene
Concen: 18.340 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.6

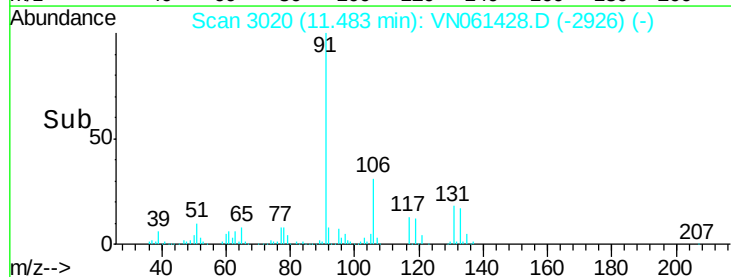
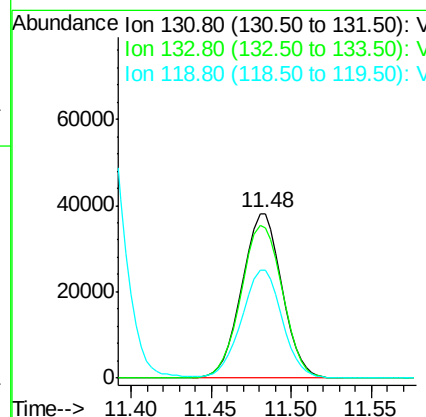
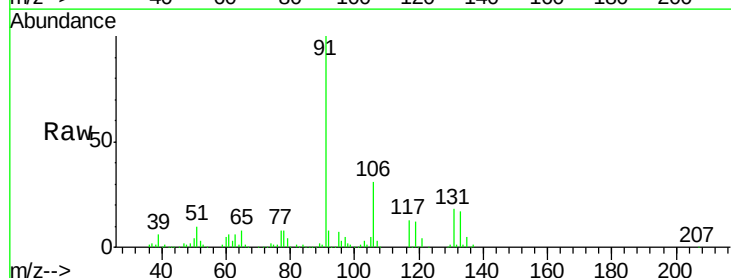
Manual Integrations
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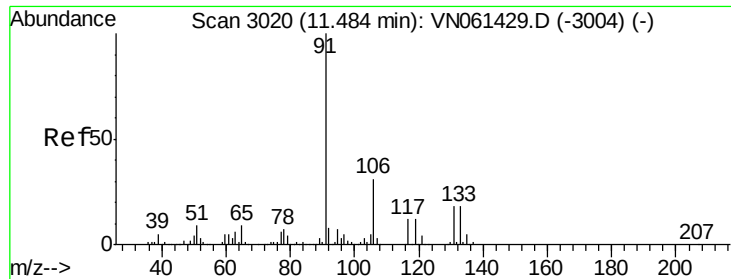
MMDadoda
5/19/2020 4:25:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.996 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.7	146.1
119	66.6	33.8	101.3





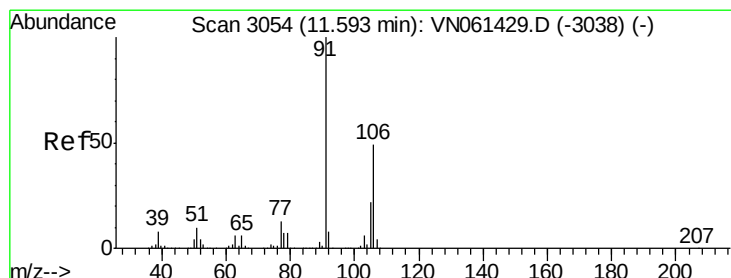
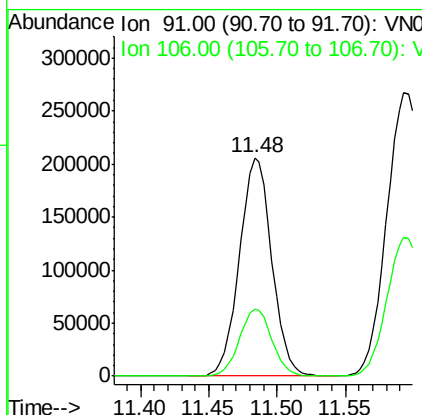
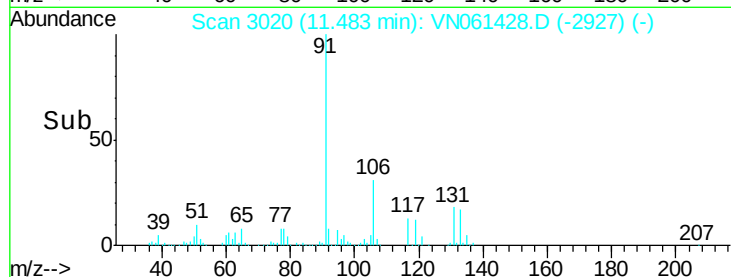
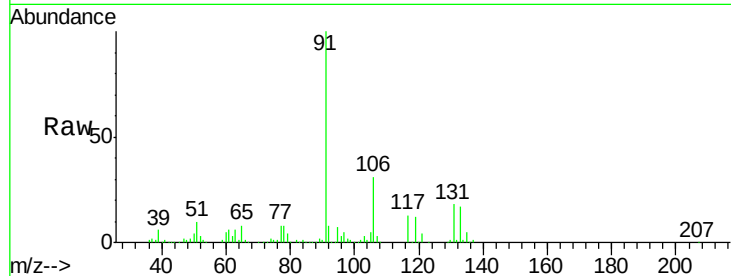
#67
Ethyl Benzene
Concen: 18.753 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	91	Resp	338828
Ion Ratio	100	Lower	Upper
106	30.6	24.6	36.8

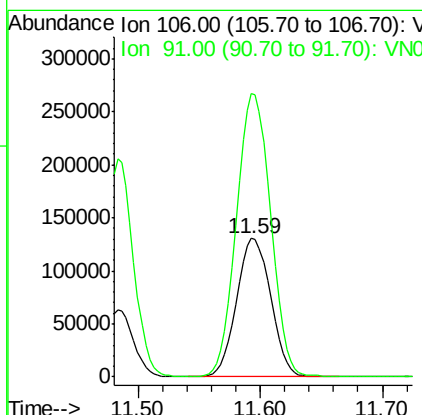
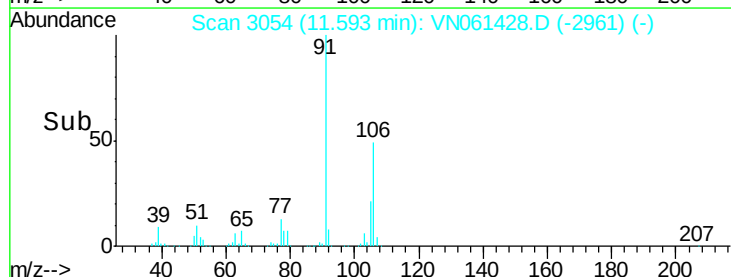
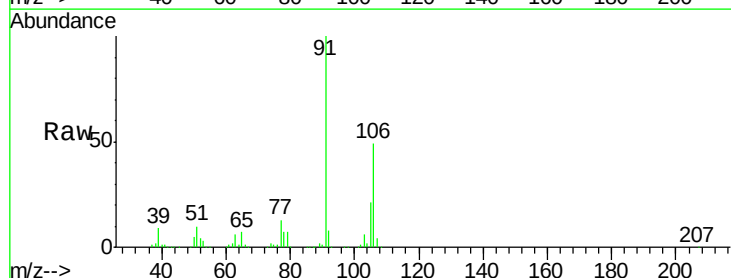
Manual Integrations
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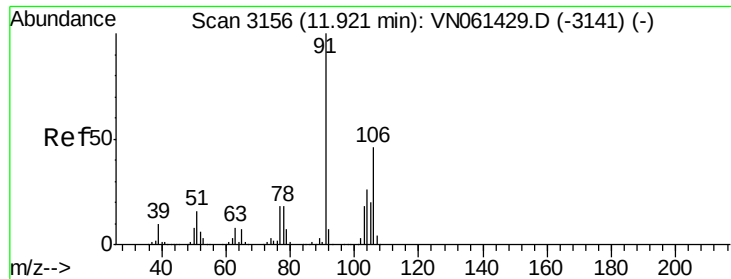
MMDadoda
5/19/2020 4:25:30 PM



#68
m/p-Xylenes
Concen: 37.290 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	106	Resp	253112
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	204.5	163.0	244.6





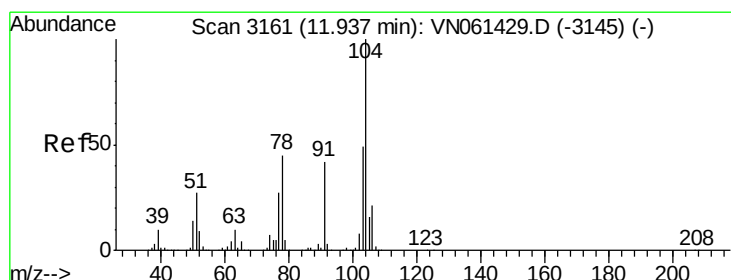
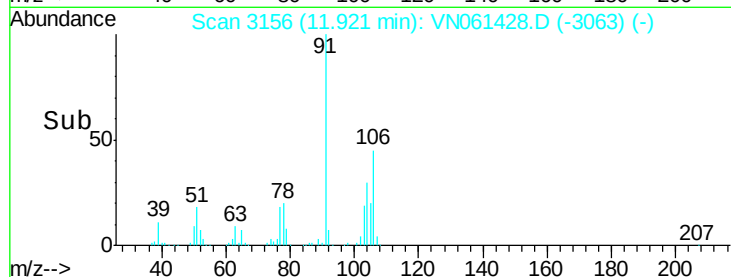
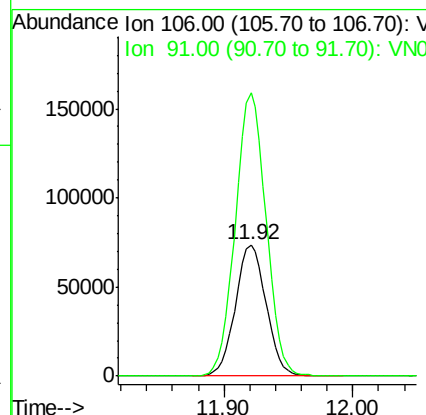
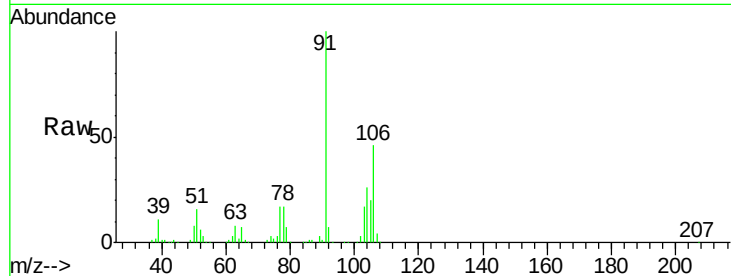
#69
o-Xylene
Concen: 18.564 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.4	107.9	323.7		

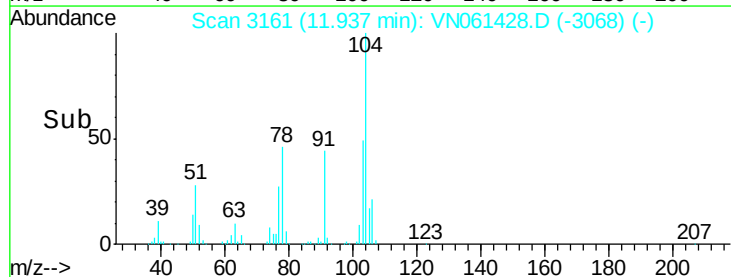
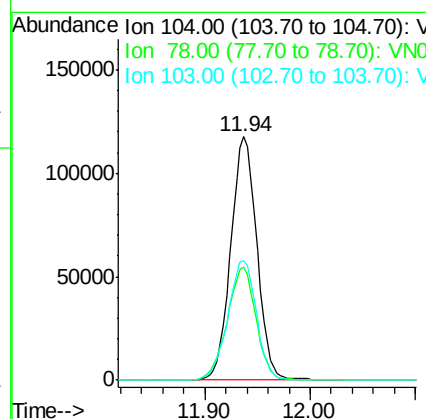
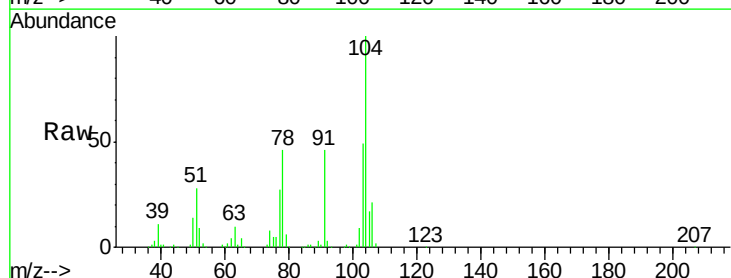
Manual Integrations
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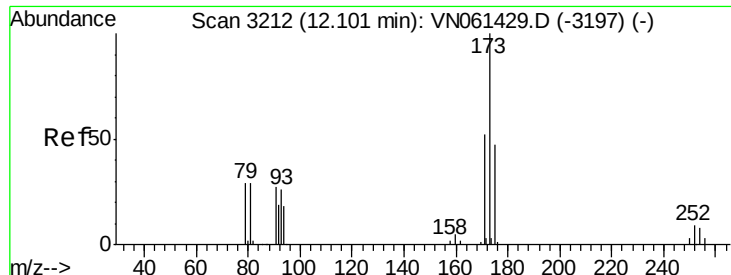
MMDadoda
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#70
Styrene
Concen: 18.264 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.1	40.7	61.1		
103	53.6	43.0	64.4		





#71

Bromoform

Concen: 18.608 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 45118

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.8

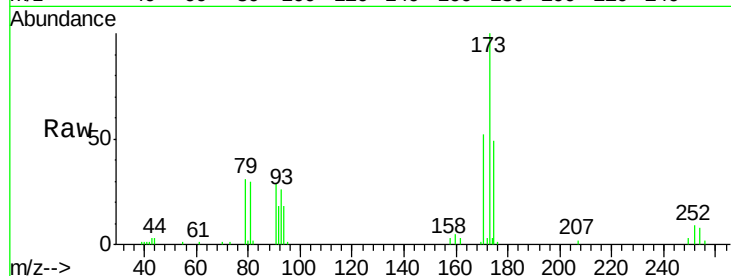
254 0.0 0.0 0.0

Manual Integrations

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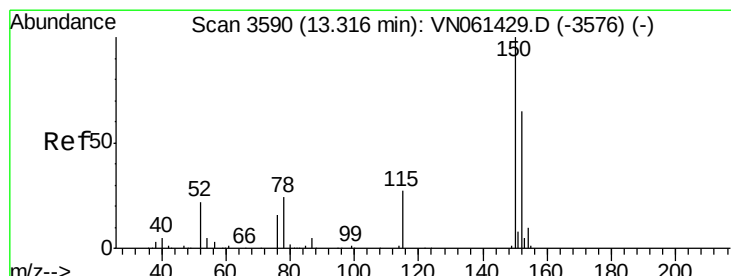
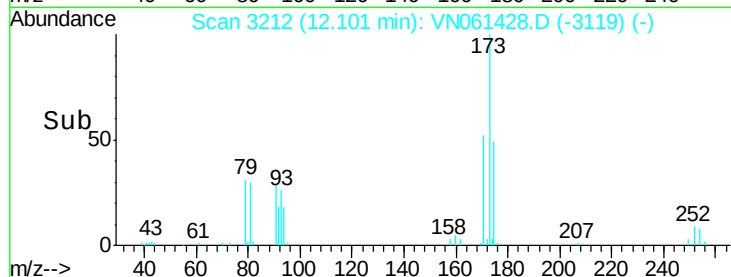
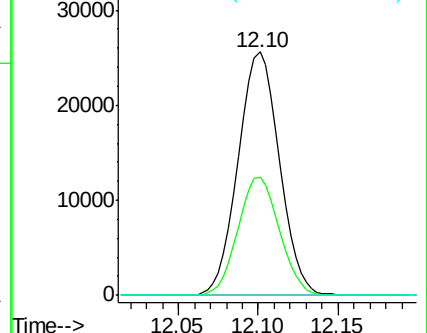
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

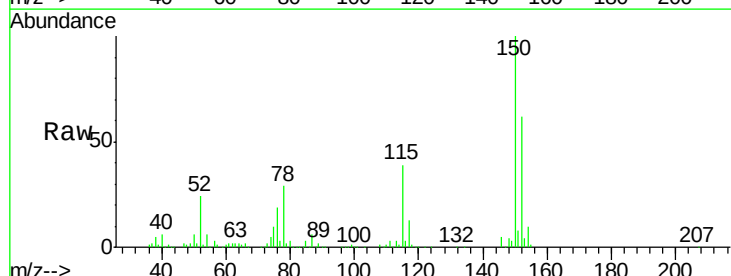
Tgt Ion:152 Resp: 213052

Ion Ratio Lower Upper

152 100

115 62.5 30.9 92.5

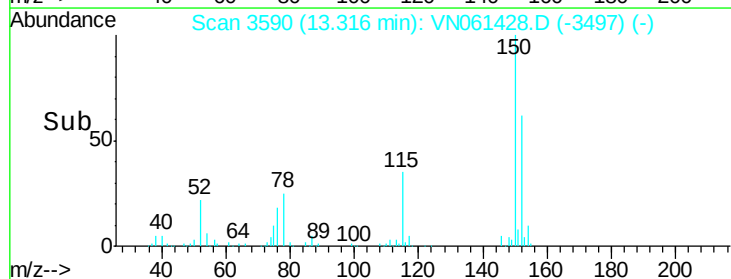
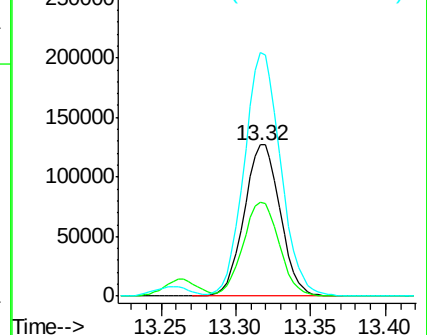
150 163.3 0.0 349.2

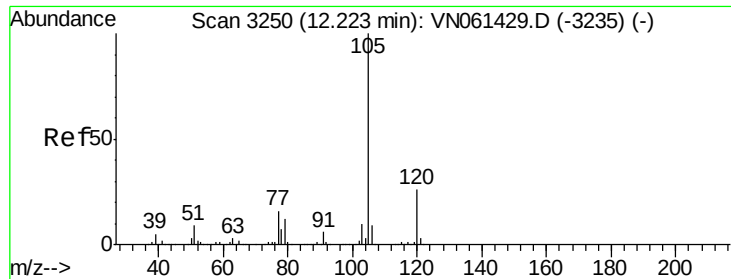


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





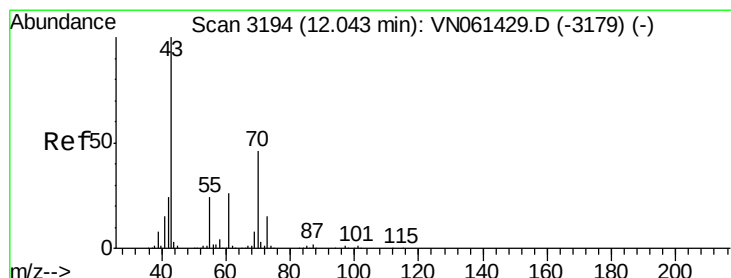
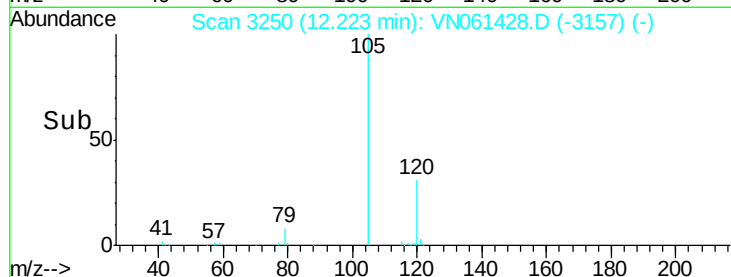
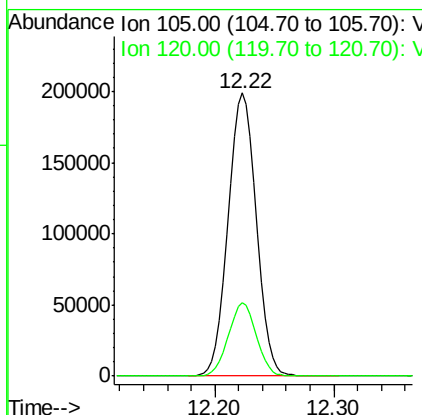
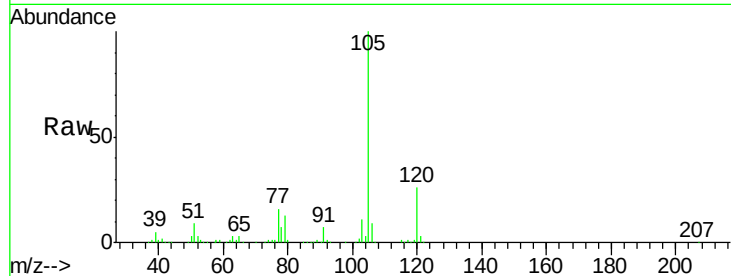
#73
Isopropylbenzene
Concen: 18.820 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	326358		
120	25.7	13.0	39.0	

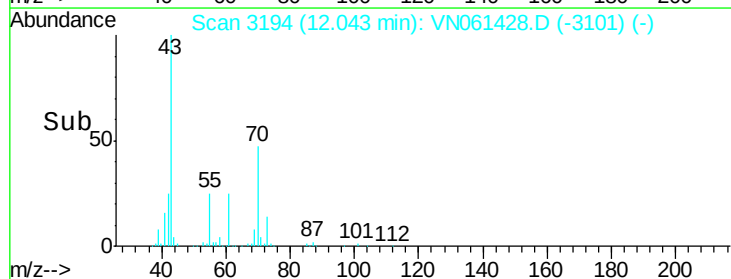
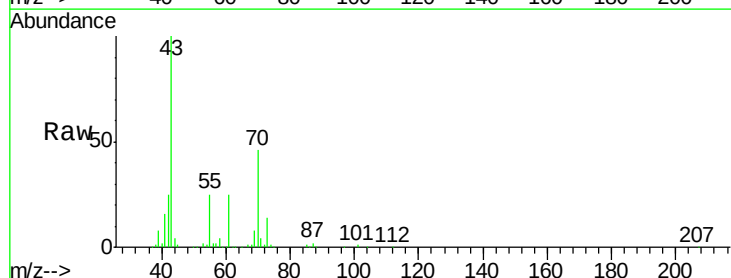
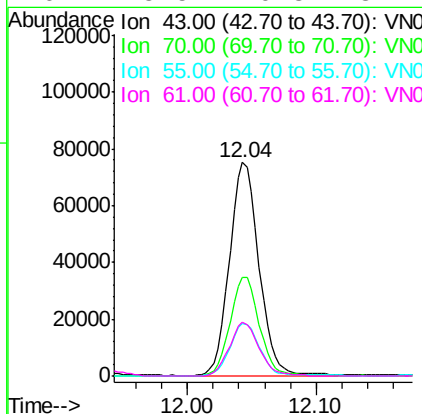
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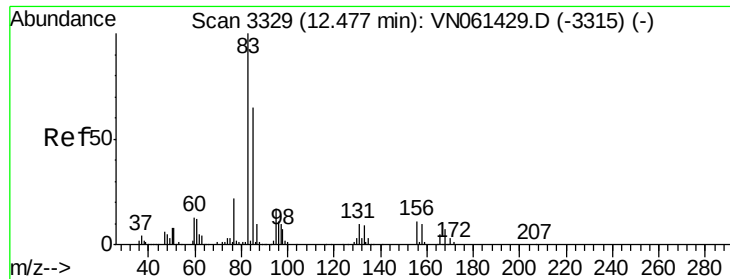
MMDadoda
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#74
N-ethyl acetate
Concen: 17.552 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	119040		
70	46.0	37.0	55.4	
55	25.3	19.5	29.3	
61	25.5	20.8	31.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.529 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

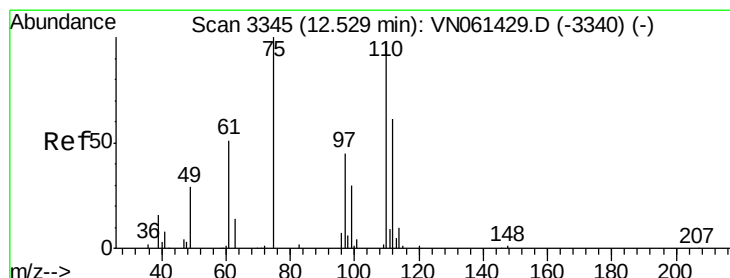
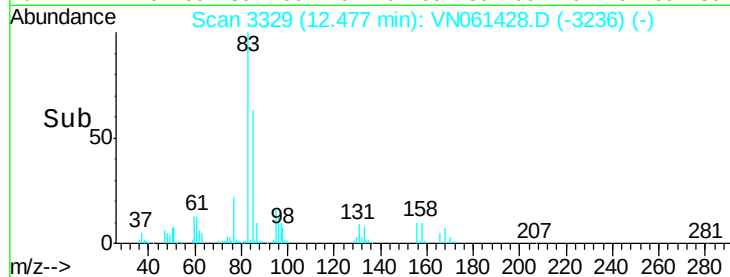
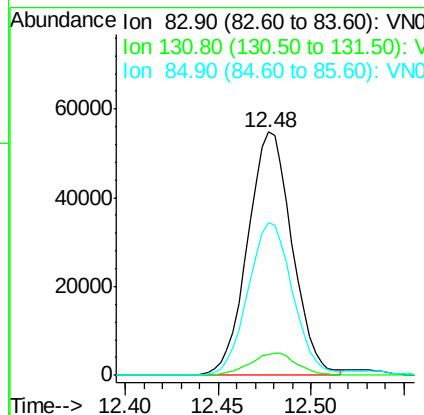
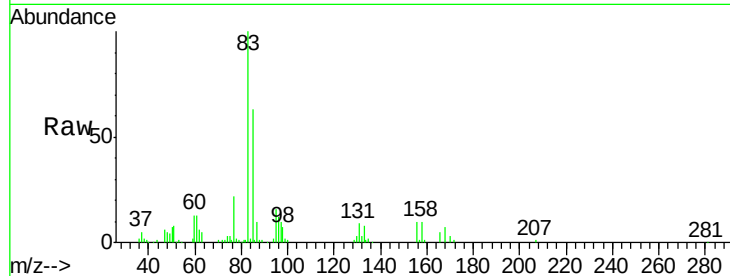
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	91588
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.4
85	63.1	32.1	96.5

Manual Integrations
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5/19/2020 4:25:30 PM



#76

1,2,3-Trichloropropane

Concen: 19.580 ug/l m

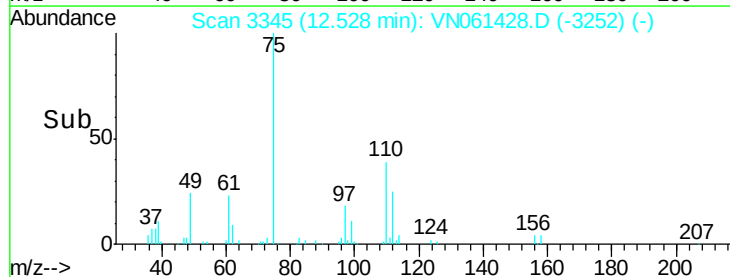
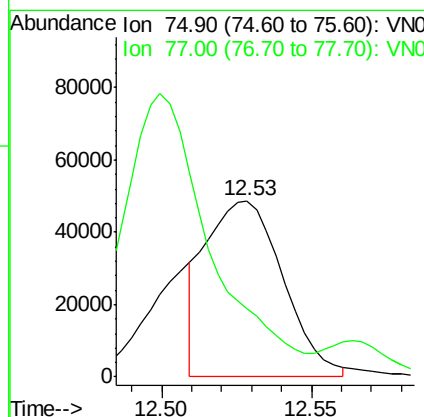
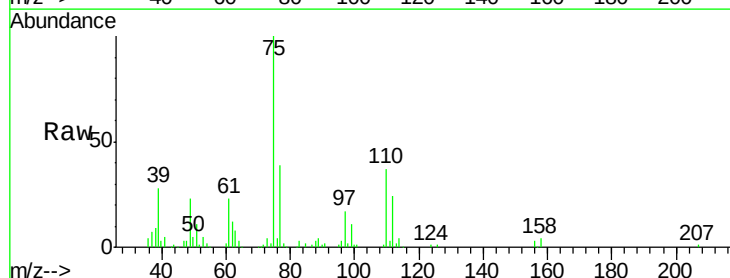
RT: 12.53 min Scan# 3345

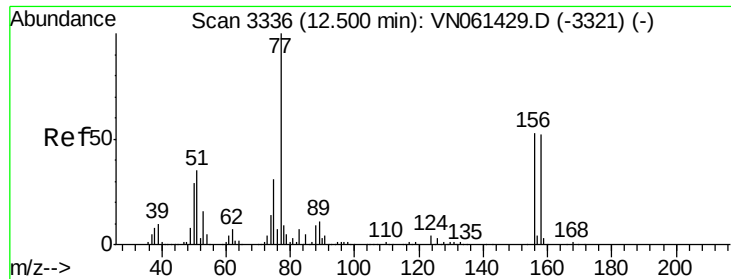
Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:	75	Resp:	87125
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.367 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

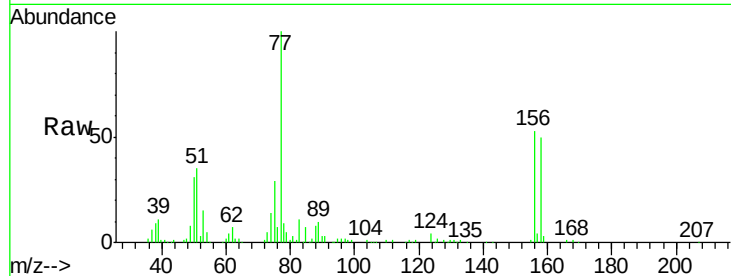
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	69711
Ion	Ratio	Lower	Upper
156	100		
77	229.1	112.3	336.9
158	97.6	47.9	143.6

Manual Integrations
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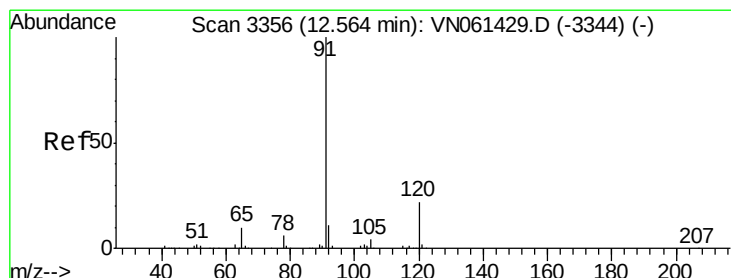
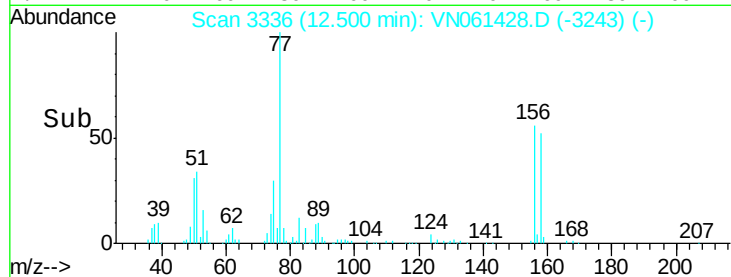
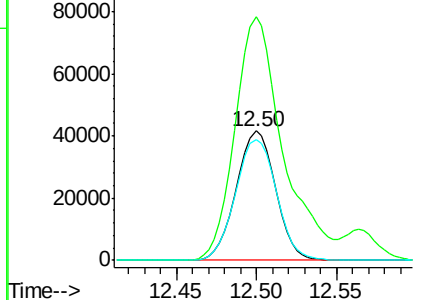
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.799 ug/l

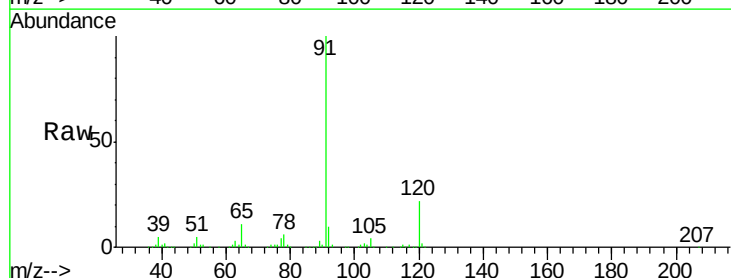
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061428.D

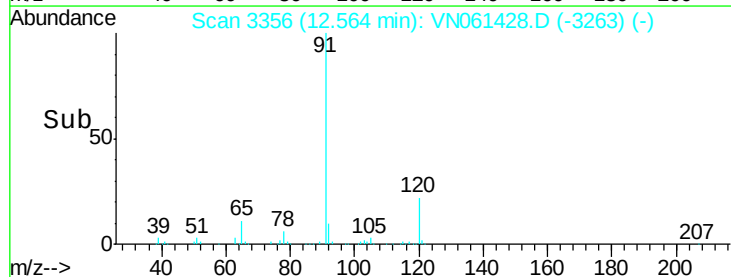
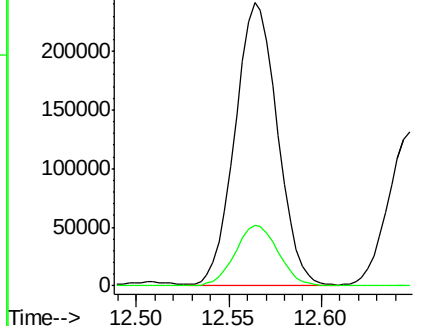
Acq: 18 May 2020 11:37

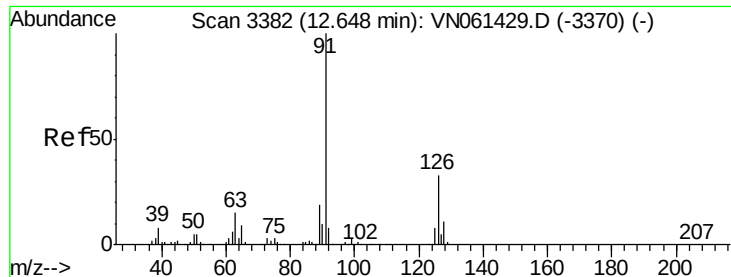
Tgt Ion:	91	Resp:	380004
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.430 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 218408

Ion Ratio Lower Upper

91 100

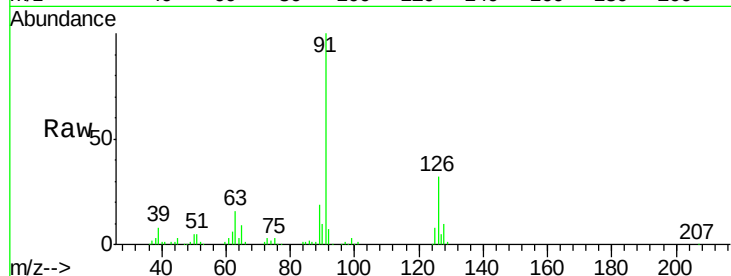
126 32.3 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061428.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061428.D (-3370) (-)

200000

150000

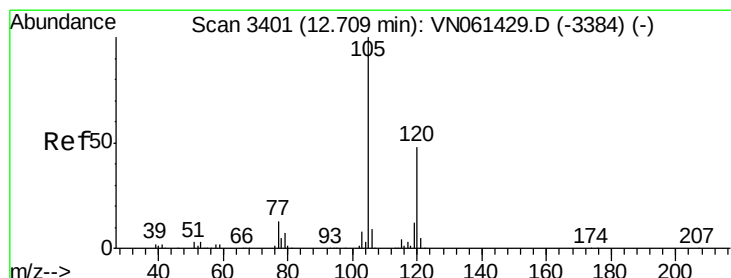
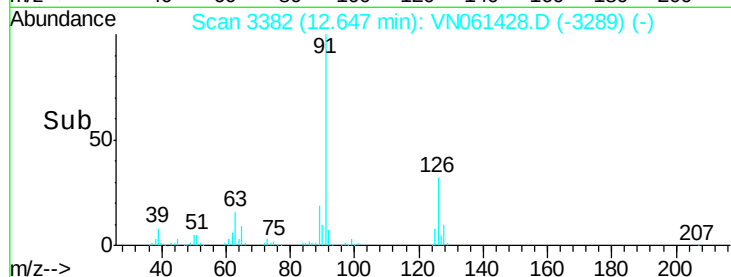
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.577 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061428.D

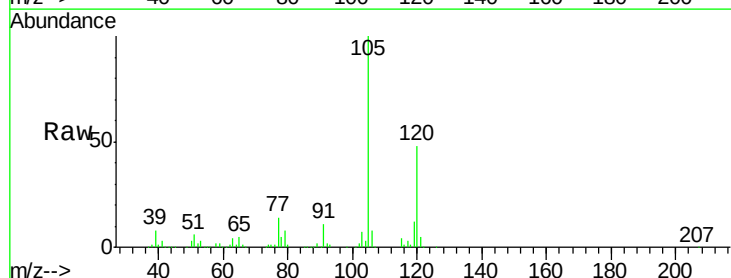
Acq: 18 May 2020 11:37

Tgt Ion:105 Resp: 269604

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061428.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061428.D (-3384) (-)

200000

150000

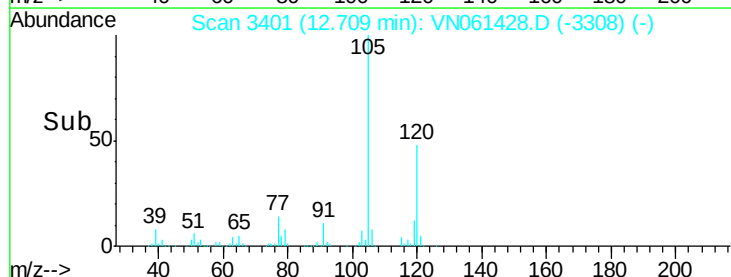
100000

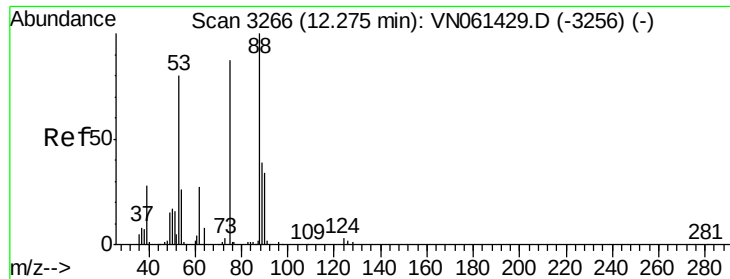
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.538 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

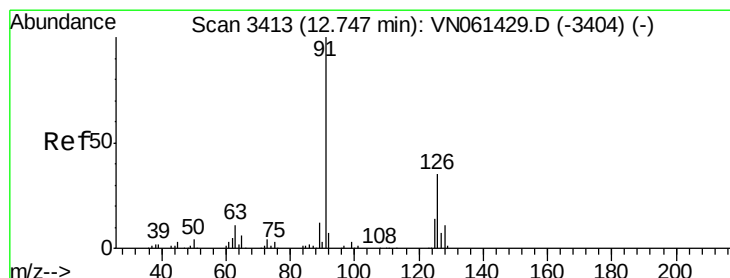
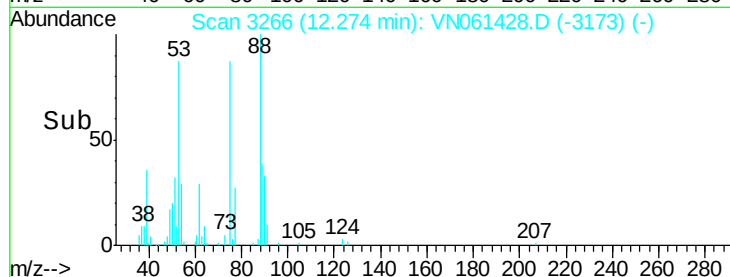
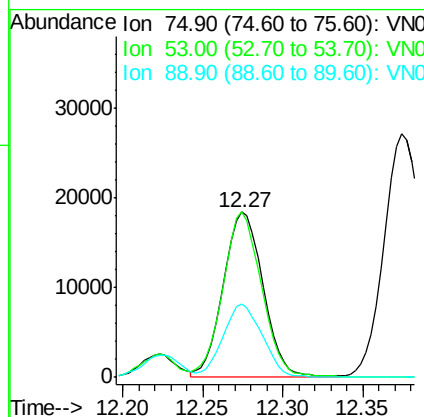
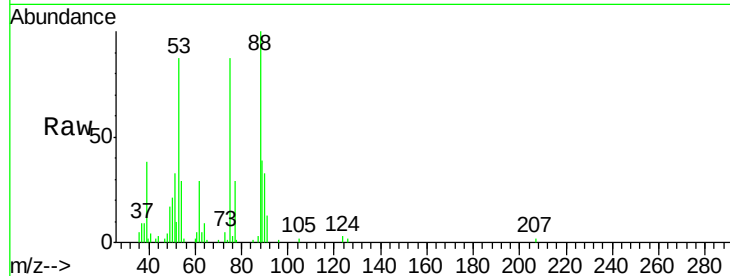
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	31541
Ion	Ratio	Lower	Upper
75	100		
53	95.2	75.2	112.8
89	43.6	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.257 ug/l

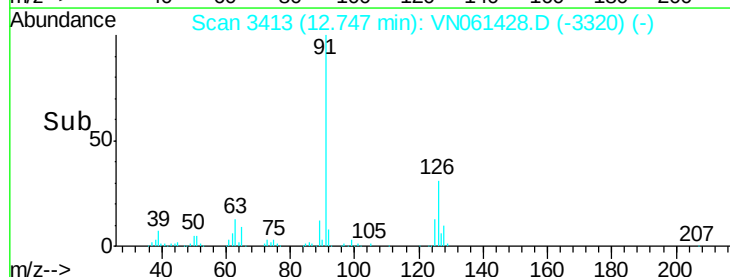
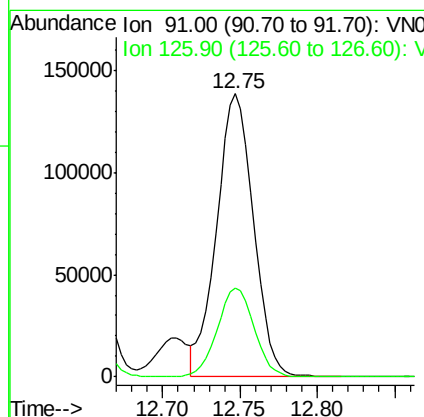
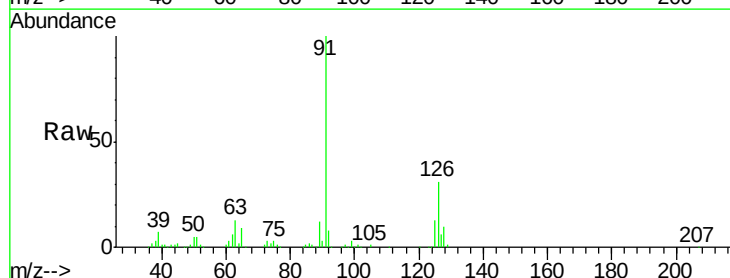
RT: 12.75 min Scan# 3413

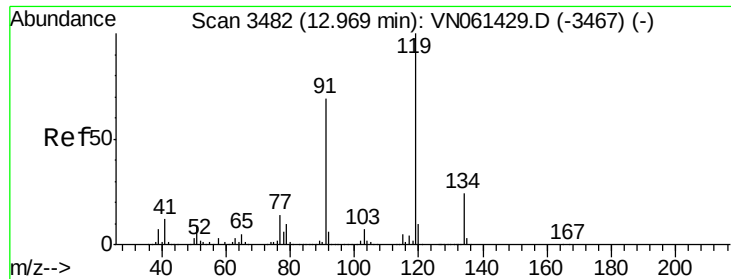
Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:	91	Resp:	227330
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2





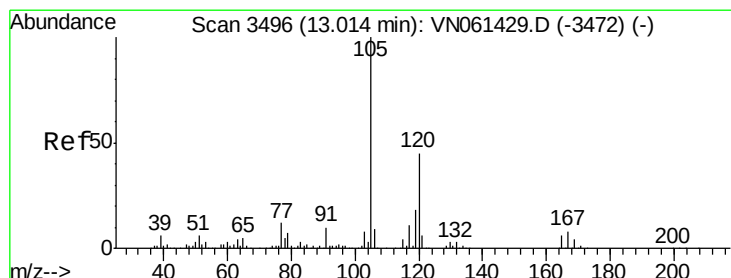
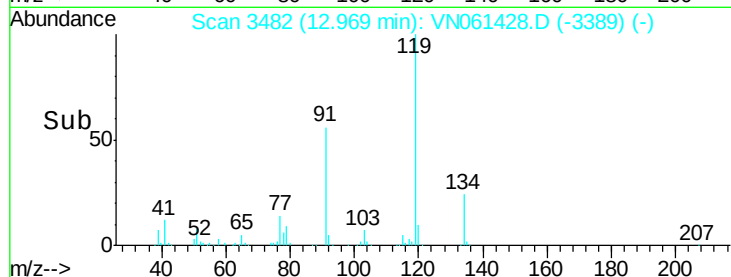
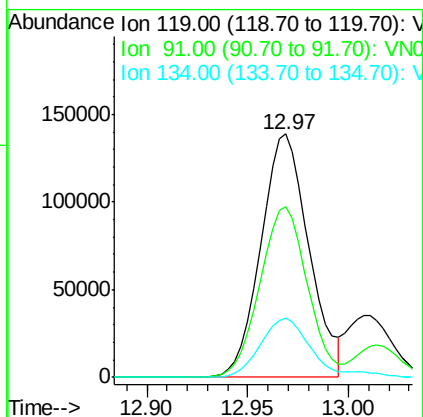
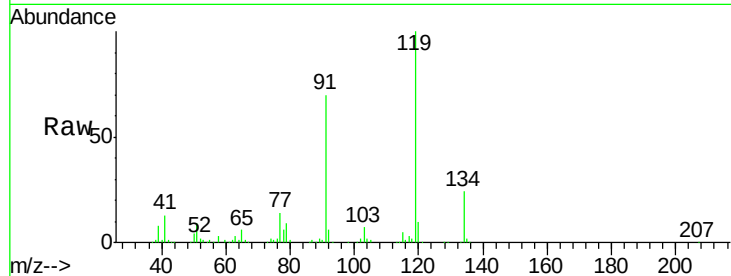
#83
 tert-Butylbenzene
 Concen: 18.569 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229889		
91	69.1		33.7	101.0
134	26.1		12.8	38.3

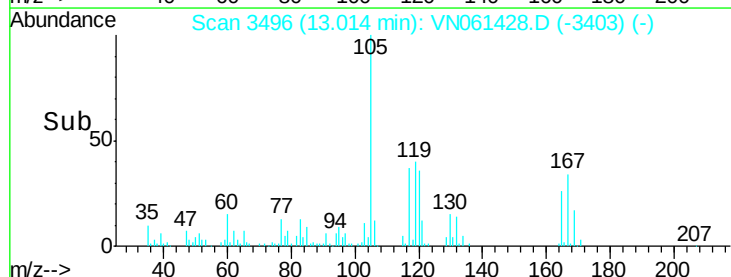
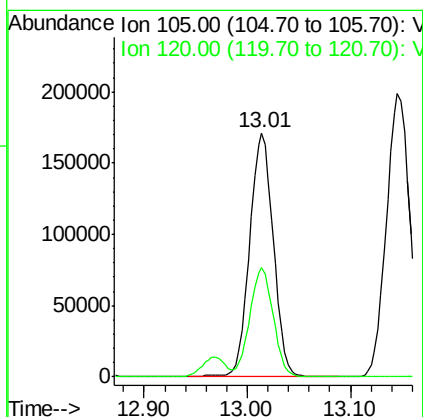
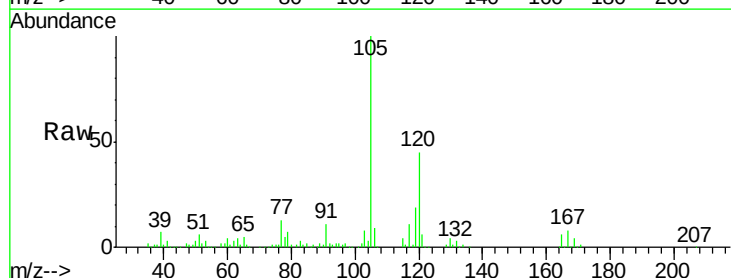
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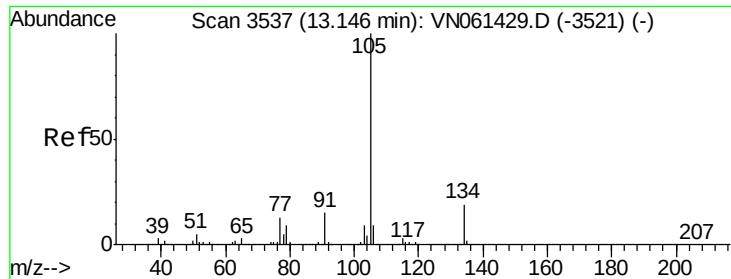
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.811 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	272415		
120	44.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 18.906 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 315928

Ion Ratio Lower Upper

105 100

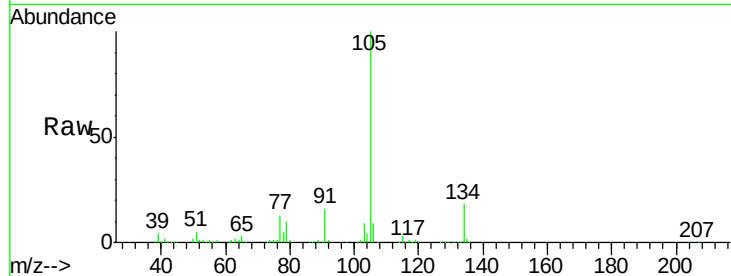
134 19.0 9.8 29.5

Manual Integrations

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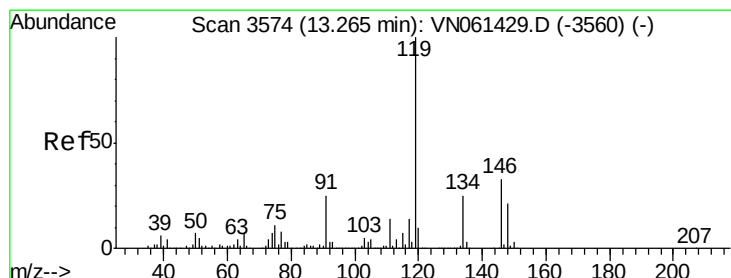
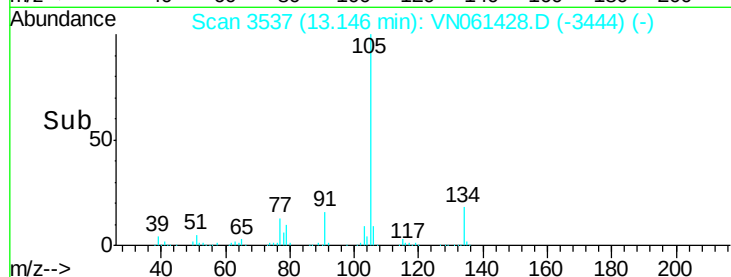
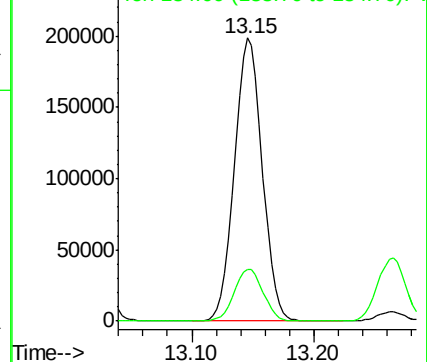
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.162 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

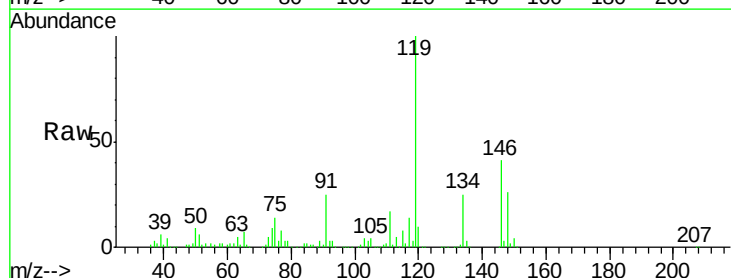
Tgt Ion:119 Resp: 277956

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

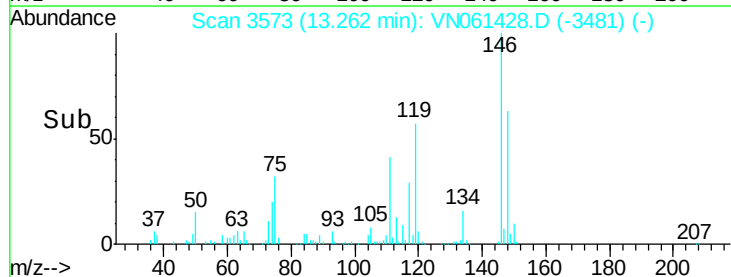
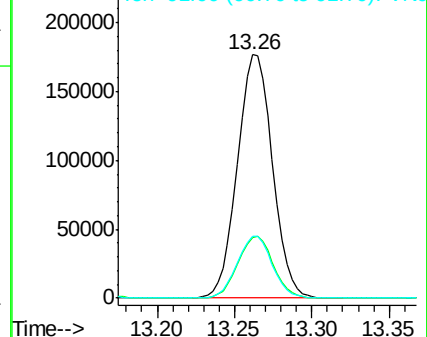
91 25.5 12.6 37.6

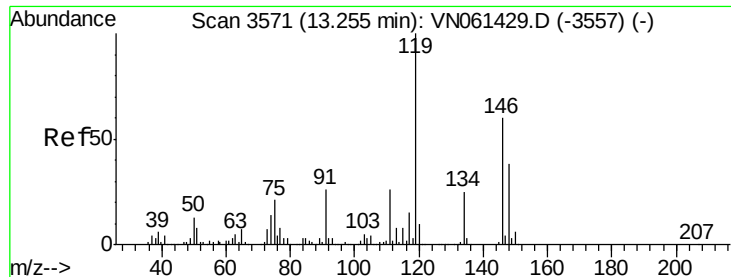


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





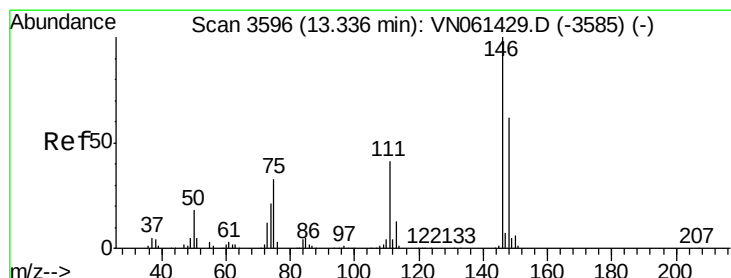
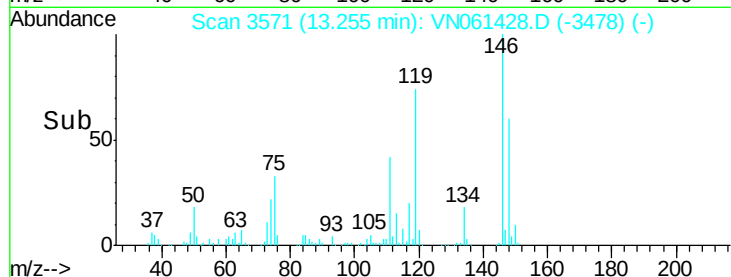
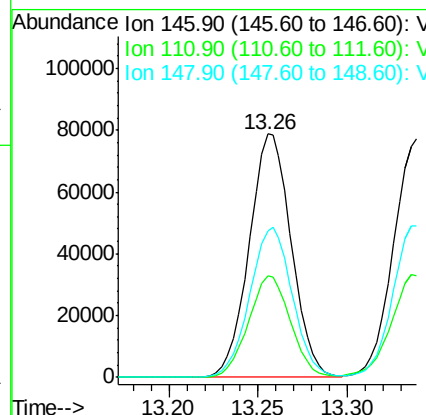
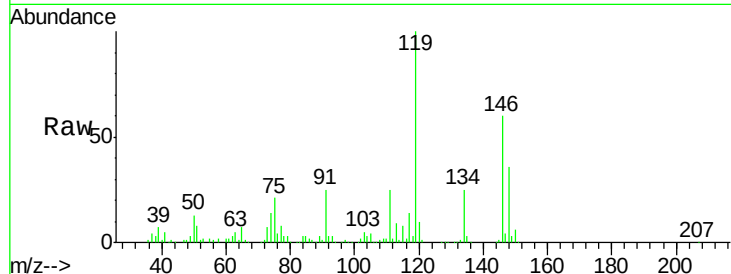
#87
 1,3-Dichlorobenzene
 Concen: 18.918 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	62.2	31.8	95.3

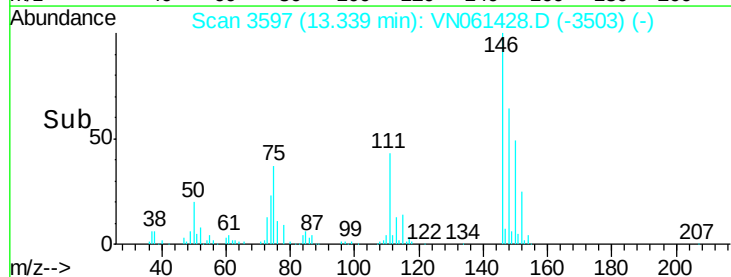
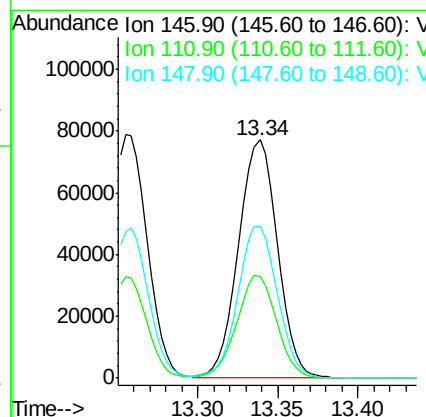
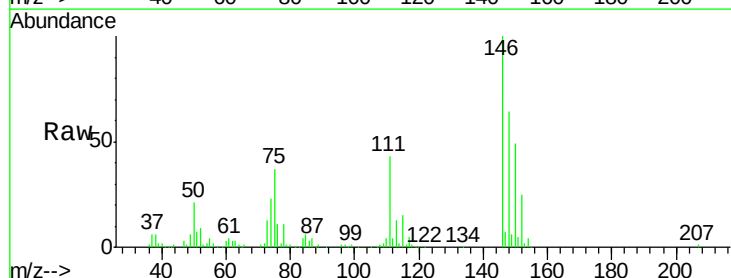
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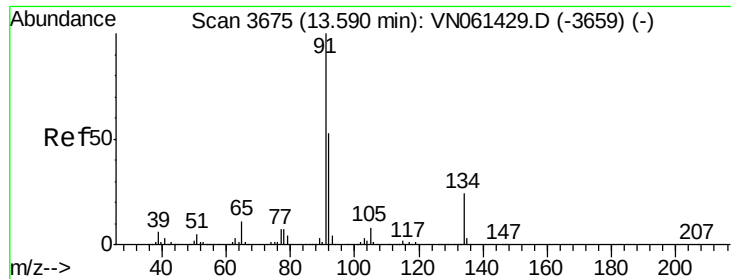
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#88
 1,4-Dichlorobenzene
 Concen: 18.145 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.8	62.5
148	63.8	31.6	94.8





#89

n-Butylbenzene

Concen: 19.212 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Instrument :

MSVOA_N

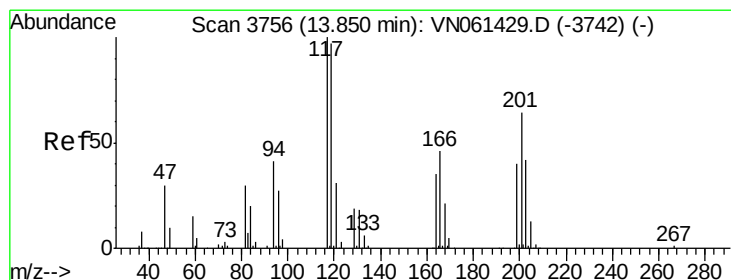
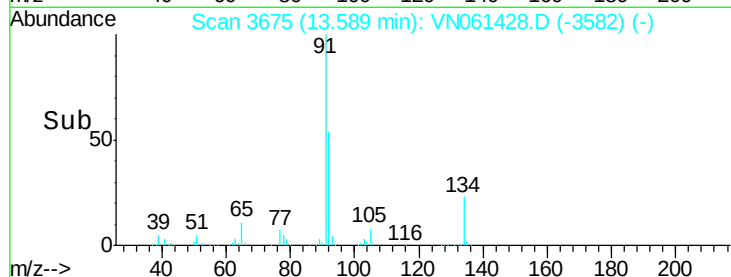
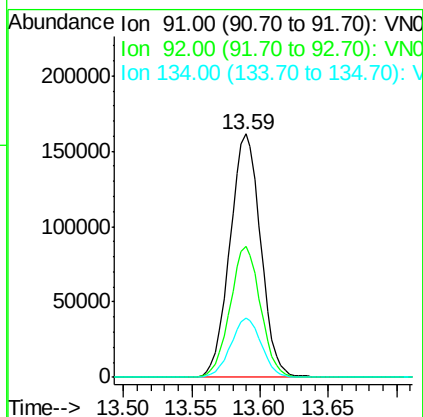
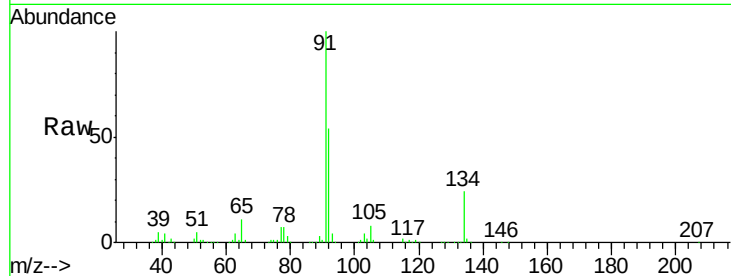
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	252883
Ion Ratio	Lower	Upper	
91	100		
92	53.3	26.8	80.3
134	24.2	12.4	37.4

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#90

Hexachloroethane

Concen: 18.988 ug/l

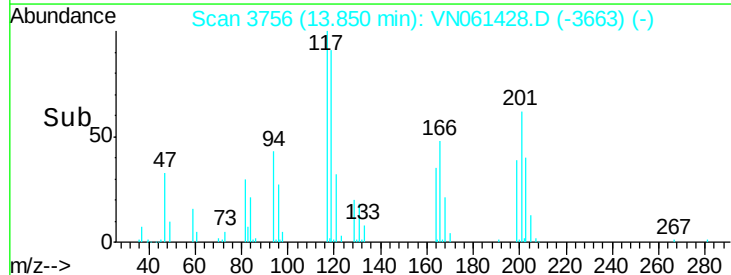
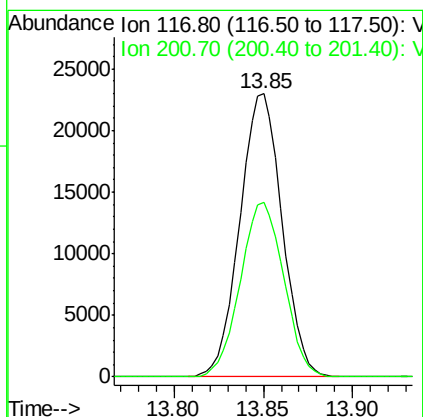
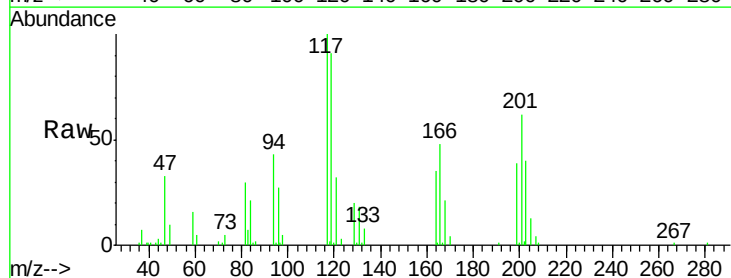
RT: 13.85 min Scan# 3756

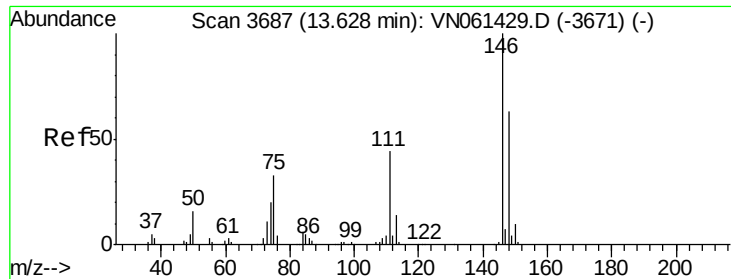
Delta R.T. -0.00 min

Lab File: VN061428.D

Acq: 18 May 2020 11:37

Tgt Ion:	117	Resp:	37950
Ion Ratio	Lower	Upper	
117	100		
201	63.5	32.9	98.7





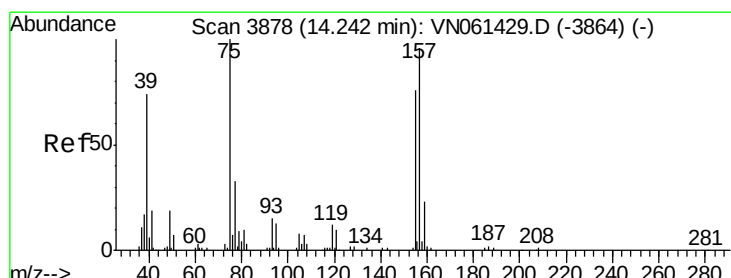
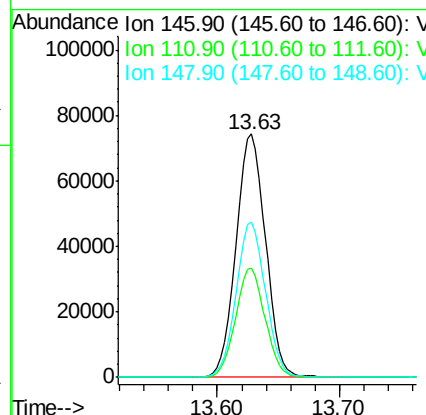
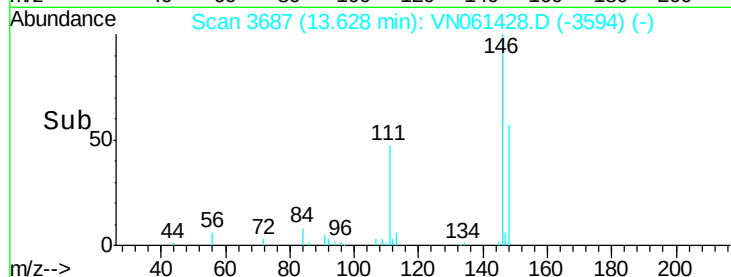
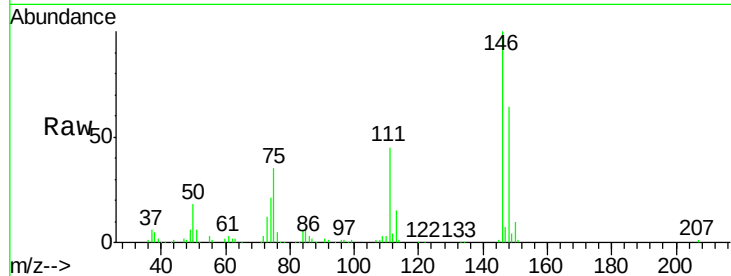
#91
 1,2-Dichlorobenzene
 Concen: 19.068 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.7
148	63.2	31.6	94.7

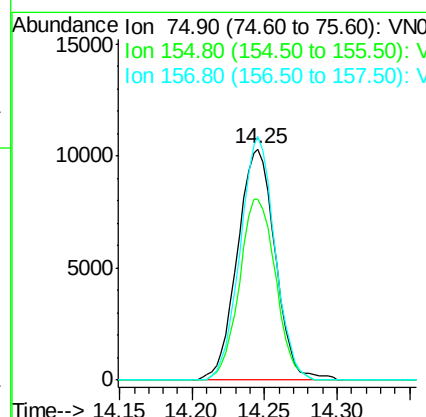
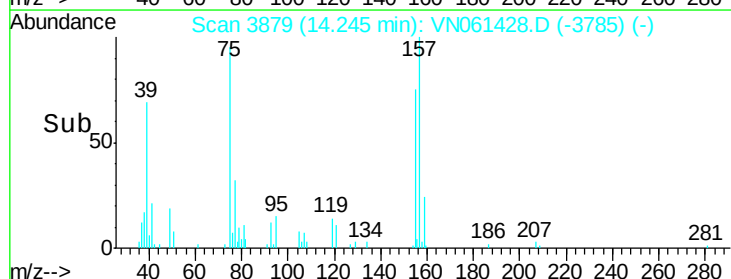
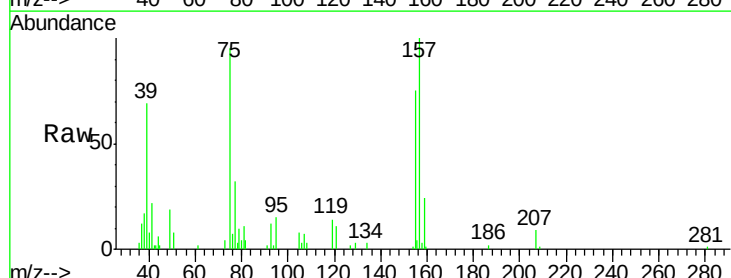
Manual Integrations
 APPROVED

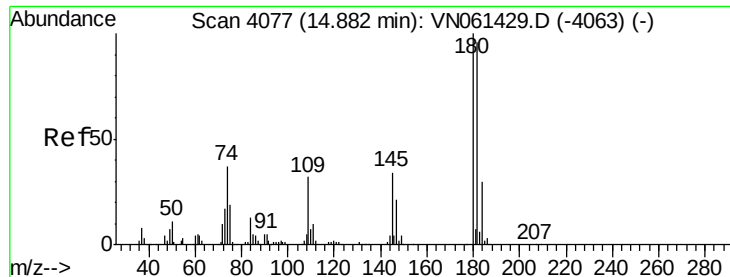
MMDadoda
 5/19/2020 4:25:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.706 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	38.9	116.7
157	96.4	48.6	145.8





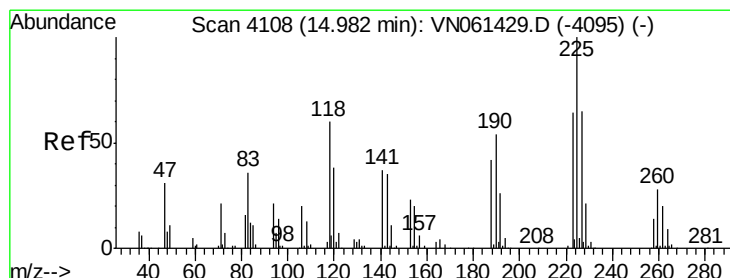
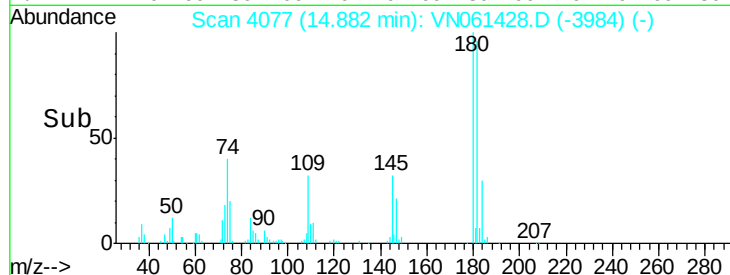
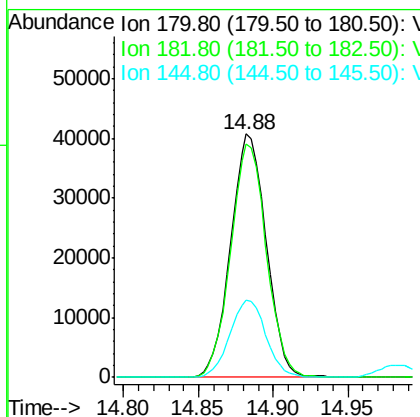
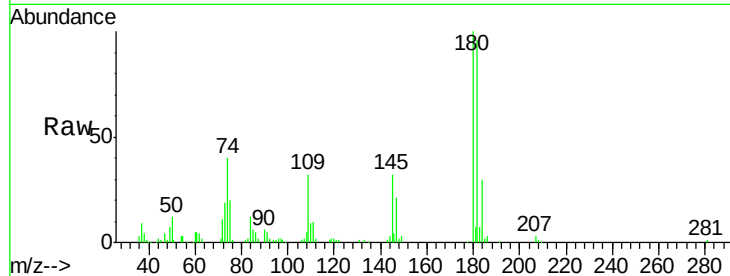
#93
 1,2,4-Trichlorobenzene
 Concen: 18.703 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.0	141.0
145	32.1	16.7	50.0

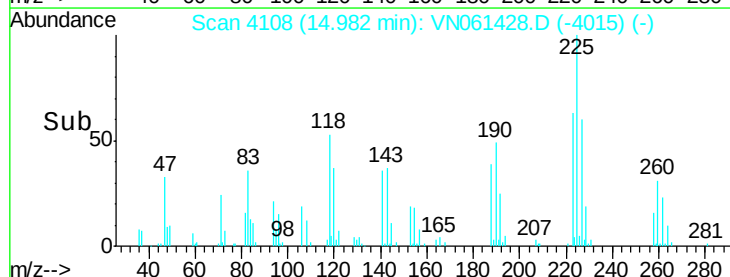
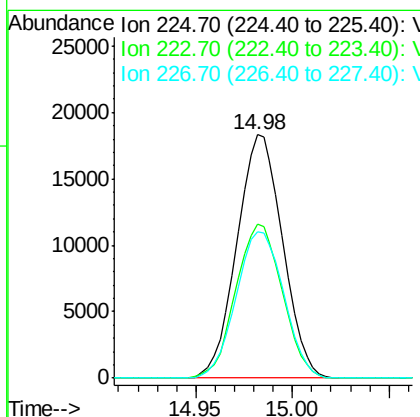
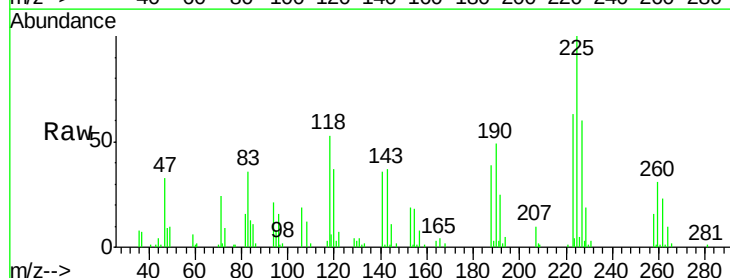
Manual Integrations
 APPROVED

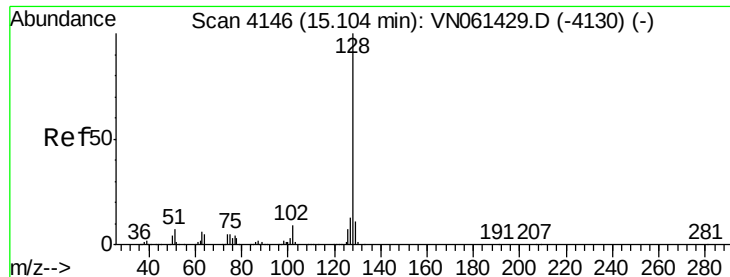
MMDadoda
 5/19/2020 4:25:30 PM



#94
 Hexachlorobutadiene
 Concen: 21.652 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061428.D
 Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.7
227	62.4	31.5	94.5





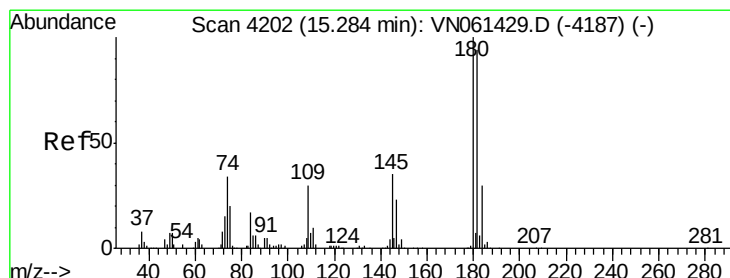
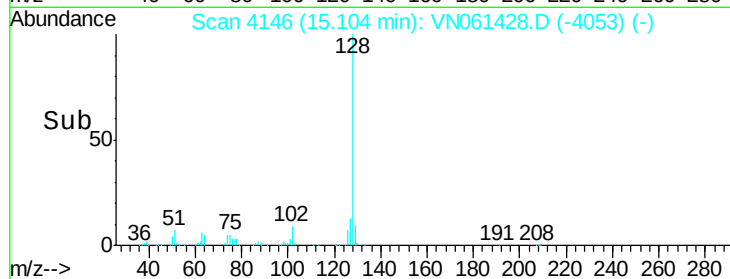
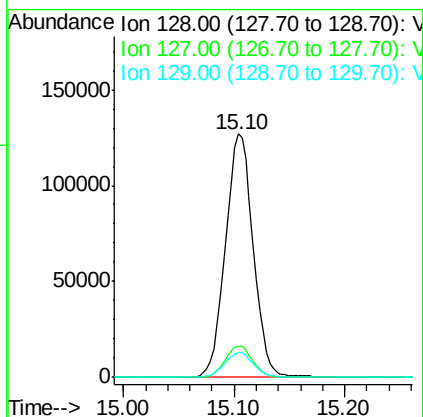
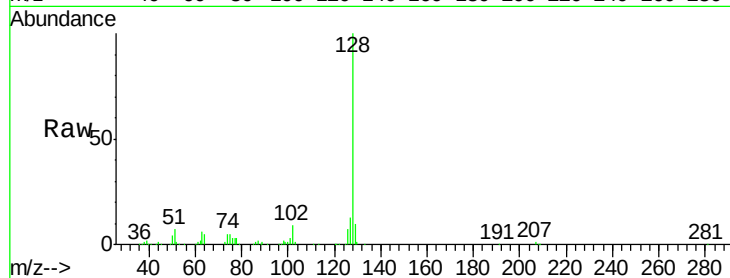
#95
Naphthalene
Concen: 18.961 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:25:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.951 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061428.D
Acq: 18 May 2020 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.3
145	35.5	17.3	51.9

