

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041619\
 Data File : VN055090.D
 Acq On : 16 Apr 2019 20:23
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:23:14 AM

Quant Time: Apr 17 02:07:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	71831	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	387873	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	344708	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	163376	29.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.47%
60) 4-Bromofluorobenzene	12.40	95	155630	29.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.67%
63) Toluene-d8	10.09	98	489451	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	83163	19.685	ug/l 100
3) Chloromethane	2.06	50	117404	20.572	ug/l 98
4) Vinyl Chloride	2.19	62	97652	19.787	ug/l 97
5) Bromomethane	2.56	94	57706	20.215	ug/l 96
6) Chloroethane	2.70	64	53500	19.356	ug/l 98
7) Trichlorofluoromethane	3.02	101	126170	20.007	ug/l 94
8) Diethyl Ether	3.41	74	41374	20.433	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67549	19.595	ug/l 98
10) 1,1-Dichloroethene	3.73	96	60764	19.065	ug/l 99
11) Methyl Iodide	3.94	142	99156	20.558	ug/l 99
12) Methyl Acetate	4.33	43	97795	24.946	ug/l 99
13) Acrolein	3.60	56	32582	94.830	ug/l 98
14) Acrylonitrile	4.99	53	180389	112.313	ug/l 98
15) Acetone	3.82	58	31116	78.291	ug/l 95
16) Carbon Disulfide	4.04	76	200503	18.755	ug/l 100
17) Allyl chloride	4.32	41	162623	20.719	ug/l 98
18) Methylene Chloride	4.55	84	98508	20.909	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	85309	20.561	ug/l 98
20) Diisopropyl ether	5.96	45	337128	21.202	ug/l 99
21) 1,1-Dichloroethane	5.84	63	178982	21.074	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	99815	20.698	ug/l 98
23) tert-Butyl Alcohol	4.82	59	30915	120.714	ug/l # 100
24) Methyl tert-Butyl Ether	5.06	73	237741m	22.214	ug/l
25) Chloroform	7.37	83	169595	20.847	ug/l 97
26) Cyclohexane	7.65	56	156927	19.914	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	124195	20.560	ug/l 98
30) 2-Butanone	6.85	43	214529	106.989	ug/l 99
31) 2,2-Dichloropropane	6.82	77	110989	19.963	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	137182	21.485	ug/l 98
33) Carbon Tetrachloride	7.77	117	110700	20.026	ug/l 97
34) Benzene	8.04	78	367295	20.518	ug/l 98
35) Methacrylonitrile	7.18	41	50946	21.557	ug/l 97
36) 1,2-Dichloroethane	8.12	62	128305	20.972	ug/l 100
37) Trichloroethene	8.83	130	93463	20.481	ug/l 96
38) Methylcyclohexane	9.08	83	132324	18.889	ug/l 99
39) 1,2-Dichloropropane	9.12	63	105300	21.303	ug/l 98
40) Dibromomethane	9.21	93	60629	21.701	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	115912	20.102	ug/l	97
42) Vinyl Acetate	5.90	43	1118757	110.363	ug/l	99
43) Ethyl Acetate	6.94	43	90570	22.172	ug/l	100
44) Isopropyl Acetate	8.17	43	156334	22.583	ug/l	100
45) 1,4-Dioxane	9.20	88	16252	423.754	ug/l	94
46) Methyl methacrylate	9.20	41	83359	23.277	ug/l	95
47) n-amyl Acetate	12.07	43	120480	23.629	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	107191	20.244	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	136116	20.823	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	81393	21.449	ug/l	99
51) Ethyl methacrylate	10.43	69	100843	22.293	ug/l	99
52) 1,3-Dichloropropane	10.71	76	145237	21.842	ug/l	98
53) Dibromochloromethane	10.90	129	80316	20.547	ug/l	99
54) 1,2-Dibromoethane	11.00	107	76629	21.510	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	186600	98.673	ug/l	99
56) Bromoform	12.13	173	48277	19.656	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	457365	115.054	ug/l	98
59) 2-Hexanone	10.75	43	276873	109.637	ug/l	99
61) Tetrachloroethene	10.63	164	88342	19.693	ug/l	97
62) Toluene	10.15	91	389222	20.493	ug/l	98
64) Chlorobenzene	11.43	112	237024	20.671	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	87297	21.406	ug/l	98
66) Ethyl Benzene	11.51	91	412776	20.274	ug/l	98
67) m/p-Xylenes	11.62	106	310667	41.050	ug/l	97
68) o-Xylene	11.95	106	154747	20.691	ug/l	97
69) Styrene	11.96	104	232156	19.990	ug/l	100
70) Isopropylbenzene	12.25	105	404121	20.210	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102788	22.475	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	87225m	23.094	ug/l	
73) Bromobenzene	12.53	156	94454	19.985	ug/l	99
74) n-propylbenzene	12.59	91	441855	19.738	ug/l	99
75) 2-Chlorotoluene	12.67	91	277425	20.548	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	324288	20.060	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19386	20.362	ug/l	89
78) 4-Chlorotoluene	12.77	91	255546	19.865	ug/l	100
79) tert-butylbenzene	12.99	119	281028	20.090	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	319425	20.113	ug/l	100
81) sec-Butylbenzene	13.17	105	367093	19.640	ug/l	98
82) p-Isopropyltoluene	13.29	119	306207	19.412	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	152579	19.297	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	142403	18.952	ug/l	100
85) n-Butylbenzene	13.61	91	226895	18.057	ug/l	99
86) Hexachloroethane	13.87	117	47604	18.852	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	155355	20.063	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12906	21.232	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	60189	17.386	ug/l	97
90) Hexachlorobutadiene	15.01	225	52459	20.784	ug/l	98
91) Naphthalene	15.13	128	134533	18.559	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	64564	18.648	ug/l	98

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VSTDCCC020EC

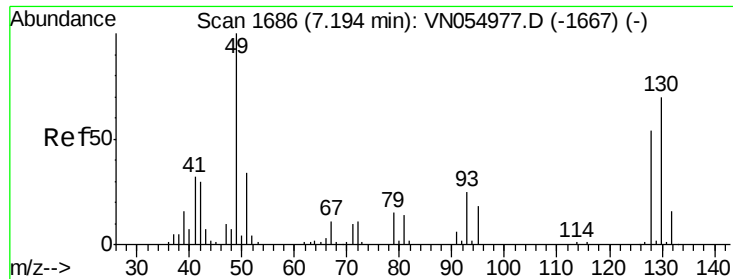
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

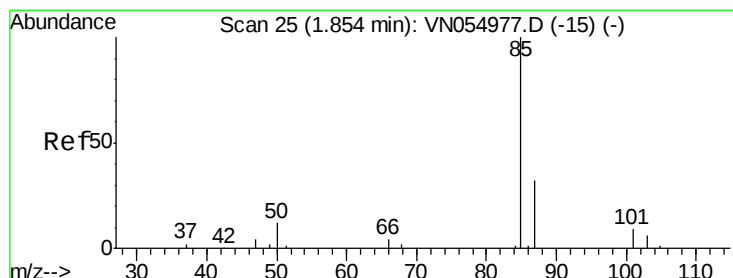
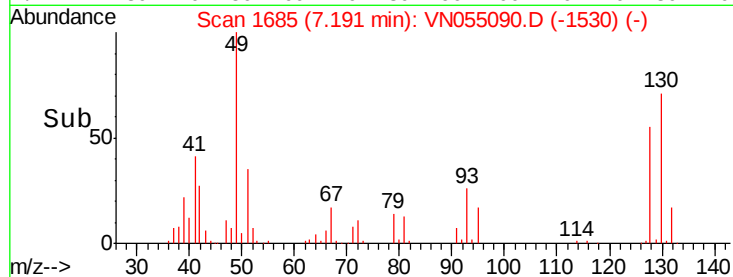
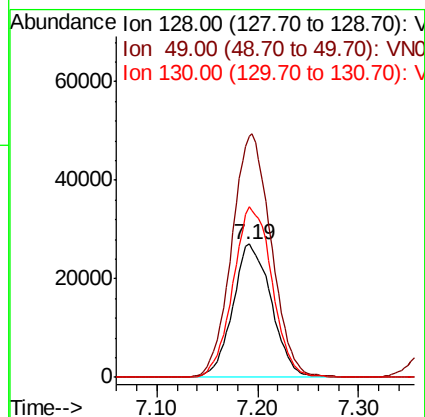
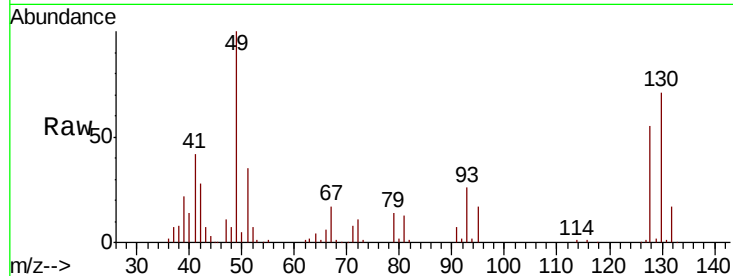
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	71831
Ion	Ratio	Lower	Upper
128	100		
49	186.5	0.0	480.3
130	129.3	0.0	322.2

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#2

Dichlorodifluoromethane

Concen: 19.685 ug/l

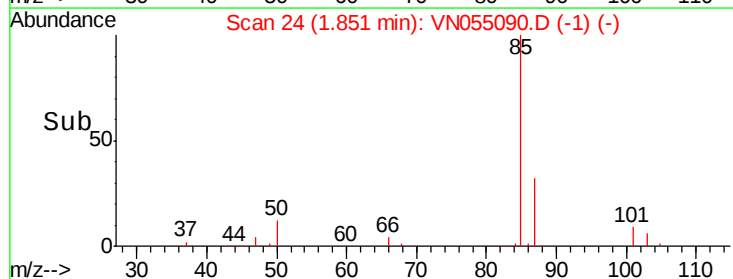
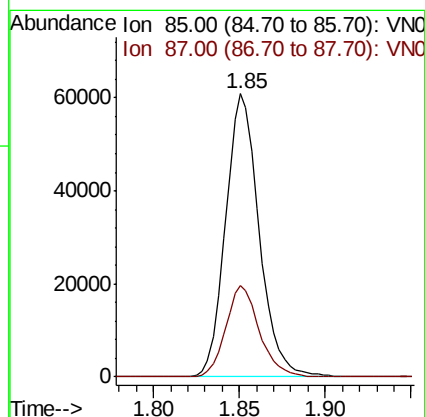
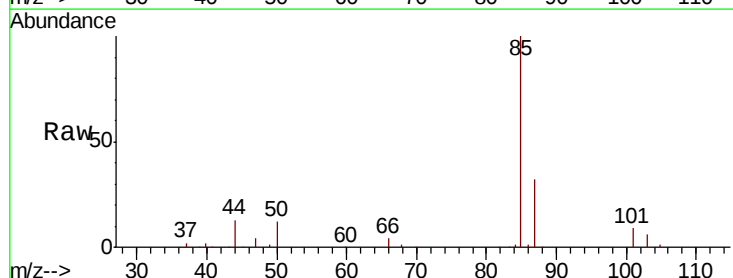
RT: 1.85 min Scan# 24

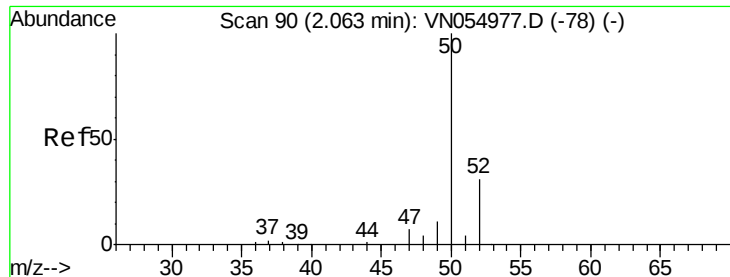
Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion:	85	Resp:	83163
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.3





#3

Chloromethane

Concen: 20.572 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 117404

Ion Ratio Lower Upper

50 100

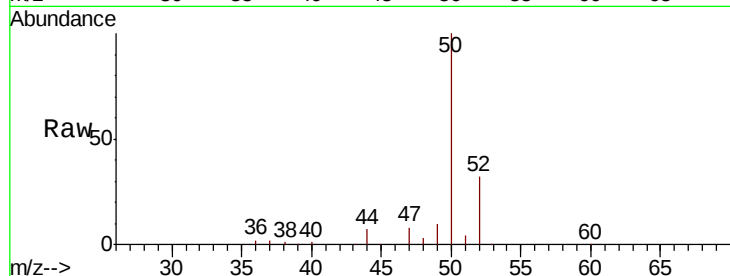
52 31.9 24.5 36.7

Manual Integrations

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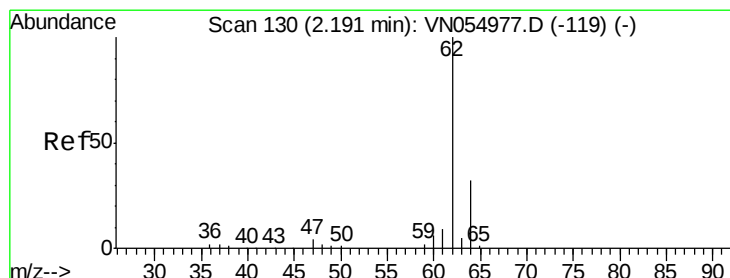
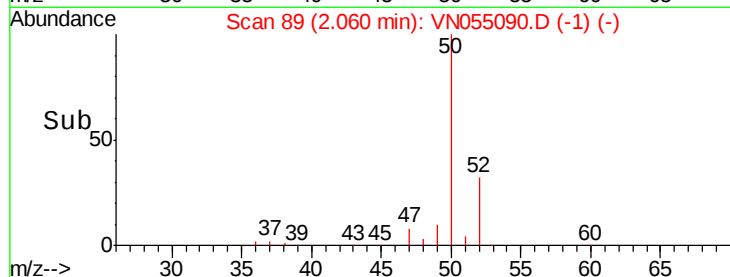
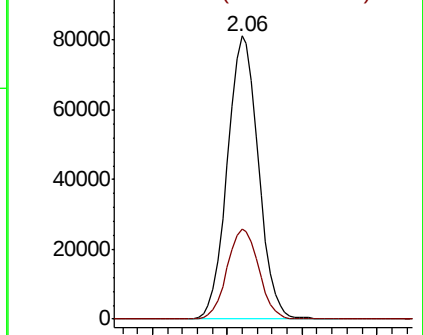
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.787 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055090.D

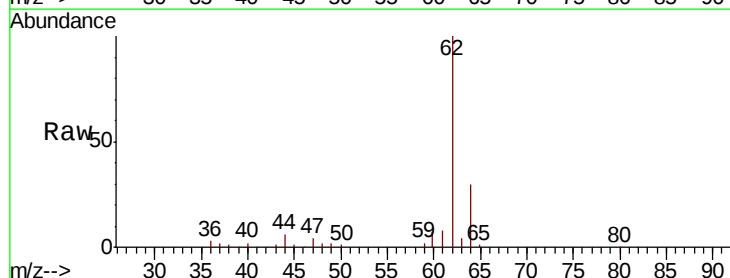
Acq: 16 Apr 2019 20:23

Tgt Ion: 62 Resp: 97652

Ion Ratio Lower Upper

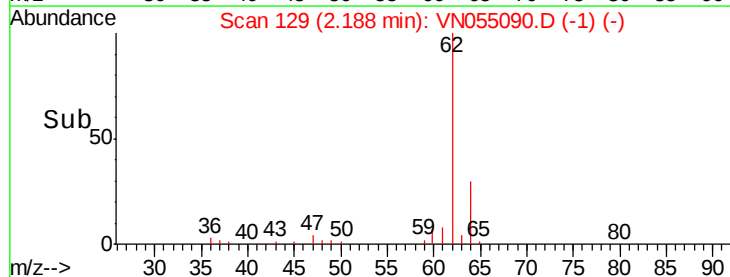
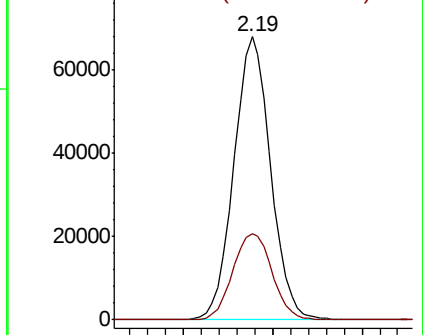
62 100

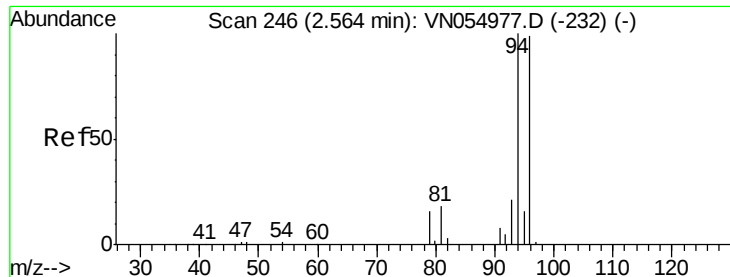
64 30.4 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.215 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 57706

Ion Ratio Lower Upper

94 100

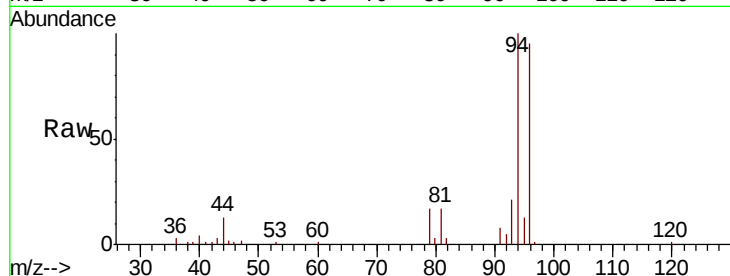
96 94.7 79.1 118.7

Manual Integrations

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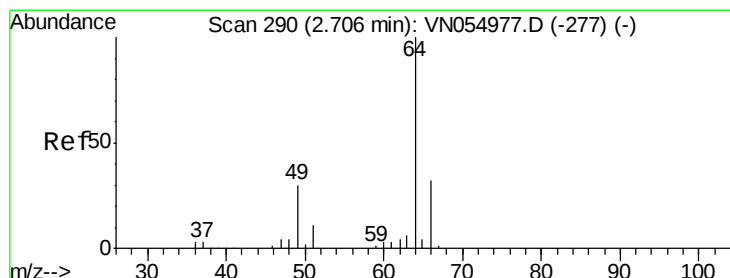
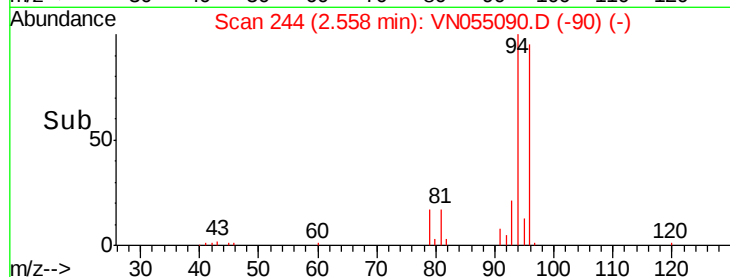
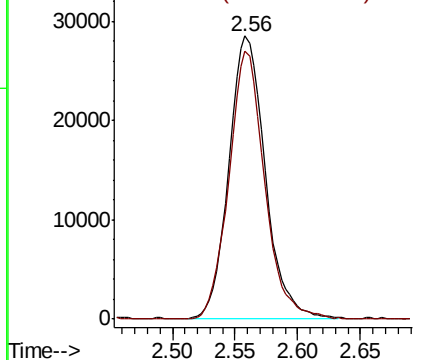
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.356 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055090.D

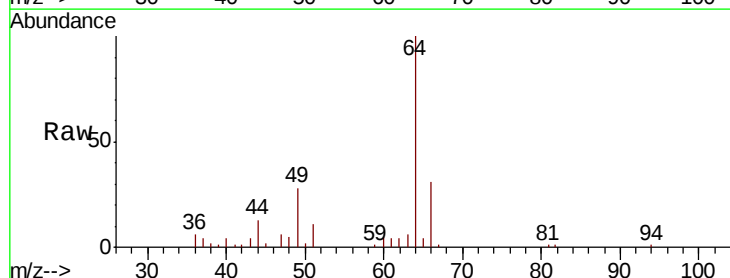
Acq: 16 Apr 2019 20:23

Tgt Ion: 64 Resp: 53500

Ion Ratio Lower Upper

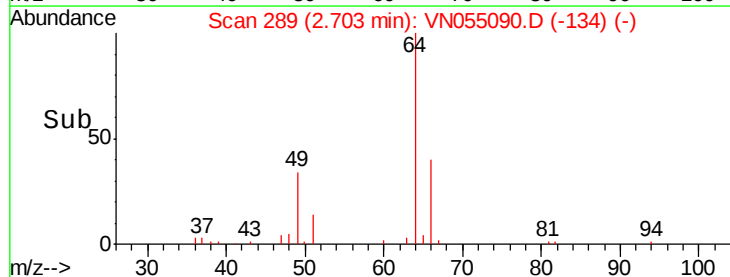
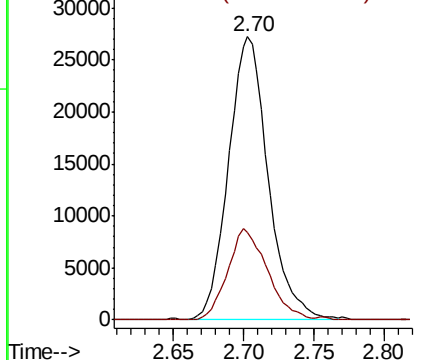
64 100

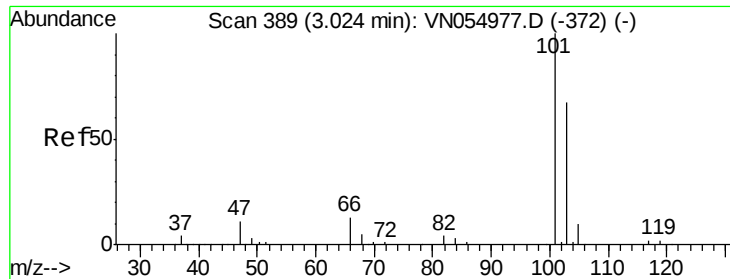
66 31.2 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

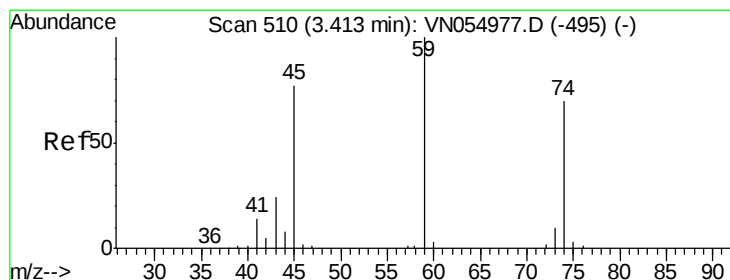
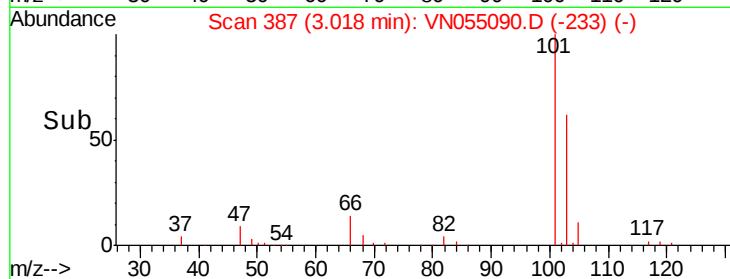
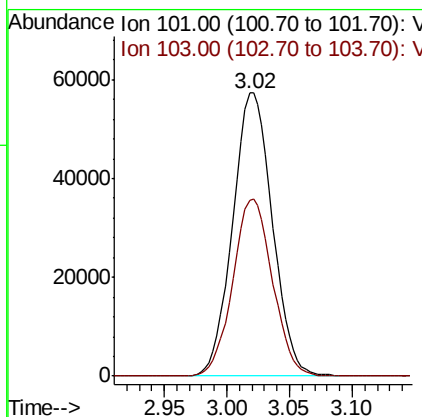
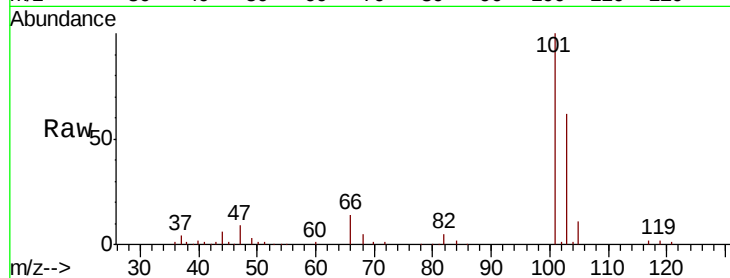
Trichlorofluoromethane
 Concen: 20.007 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	53.4	80.0

Manual Integrations
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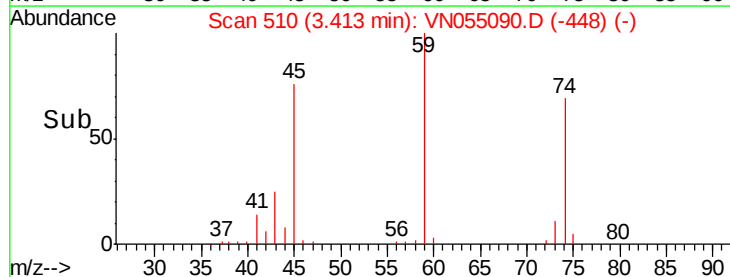
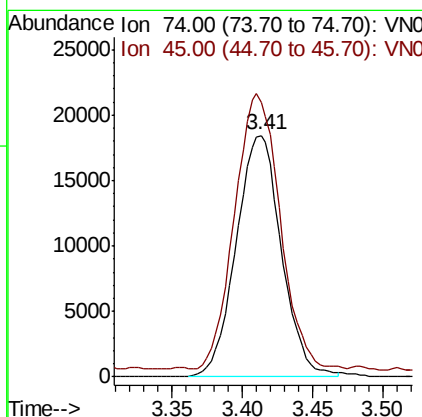
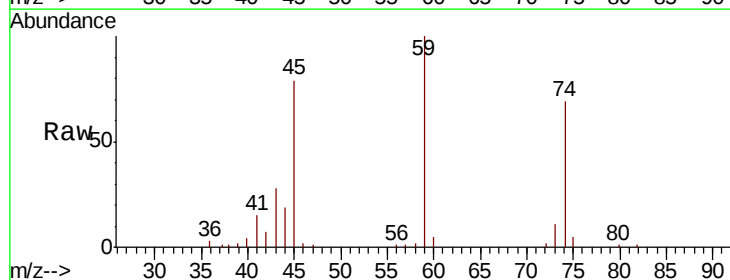
MMDadoda
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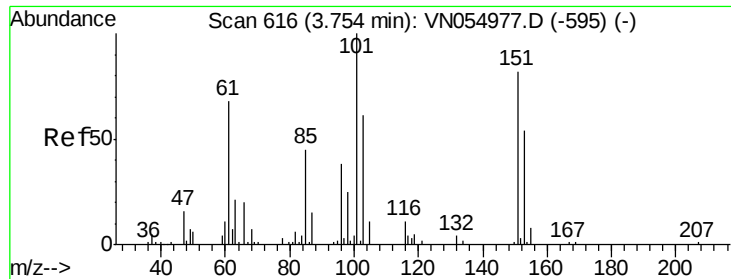


#8

Diethyl Ether
 Concen: 20.433 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.595 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

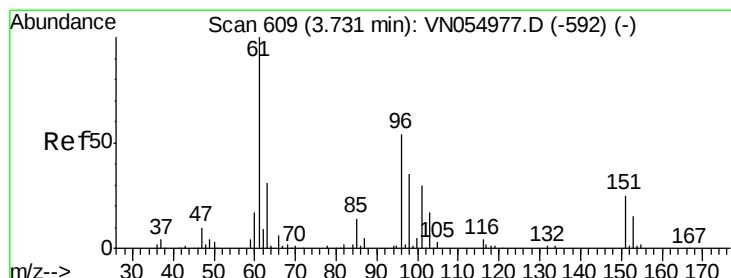
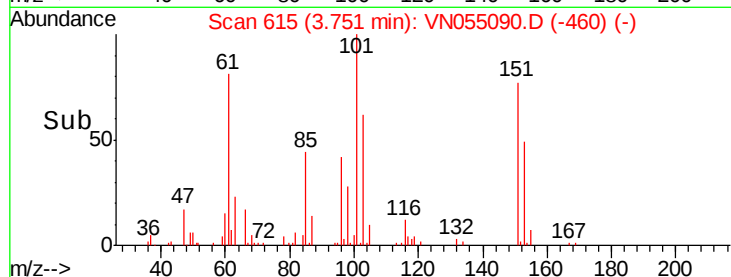
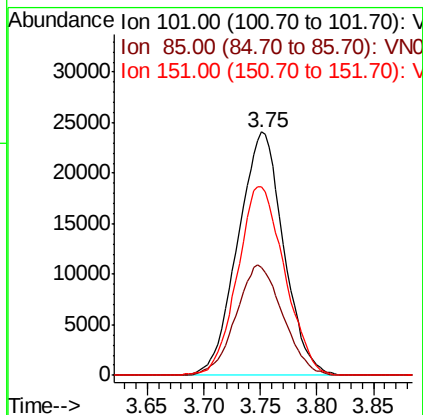
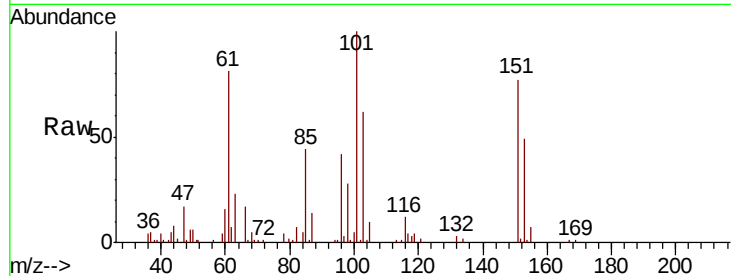
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	67549
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	91.4
151	80.2	0.0	165.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.065 ug/l

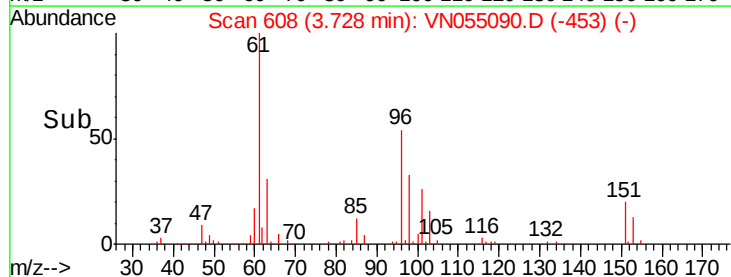
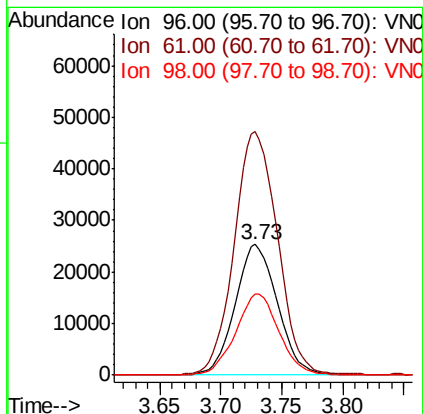
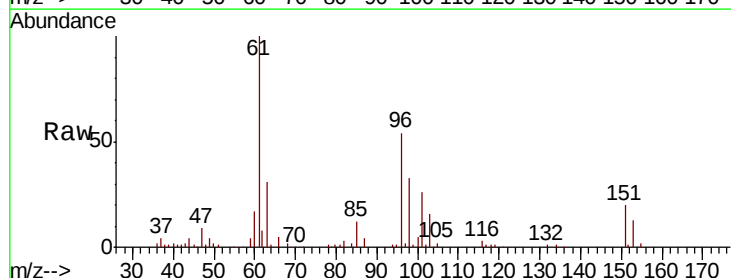
RT: 3.73 min Scan# 608

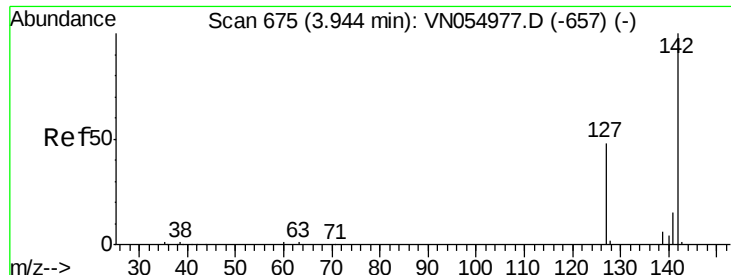
Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion:	96	Resp:	60764
Ion Ratio	Lower	Upper	
96	100		
61	185.2	148.4	222.6
98	61.8	52.2	78.2





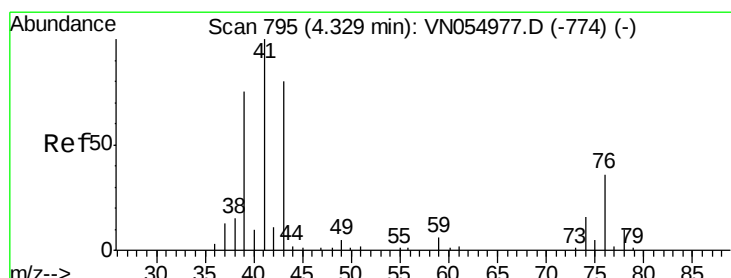
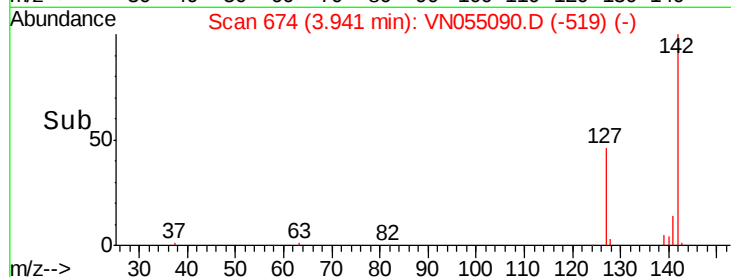
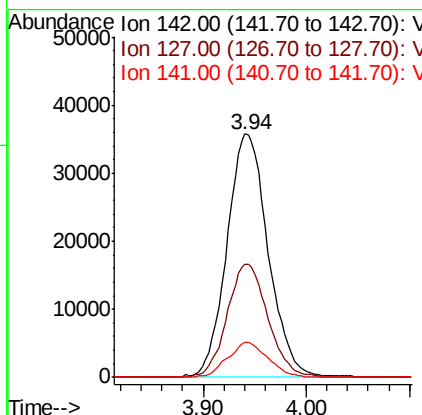
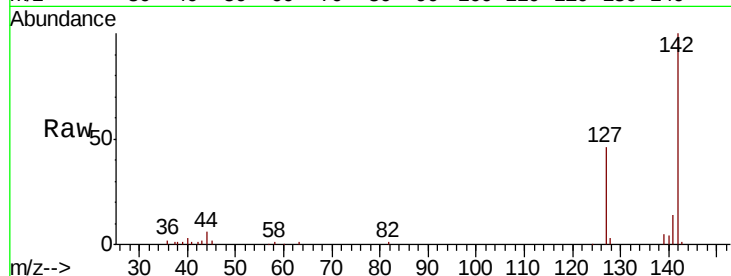
#11
Methyl Iodide
Concen: 20.558 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.7	23.8	71.5
141	14.4	7.3	22.0

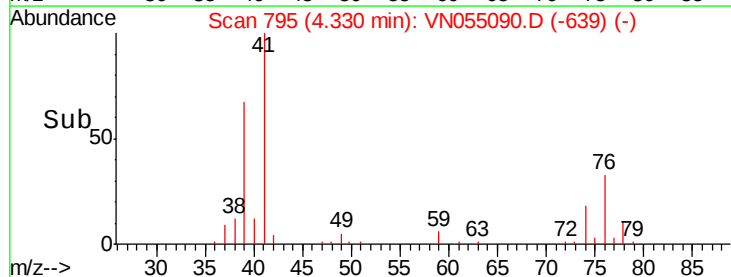
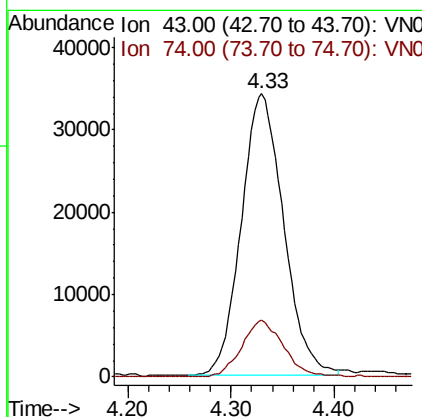
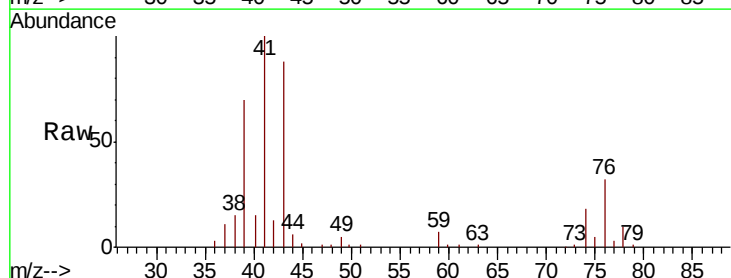
Manual Integrations
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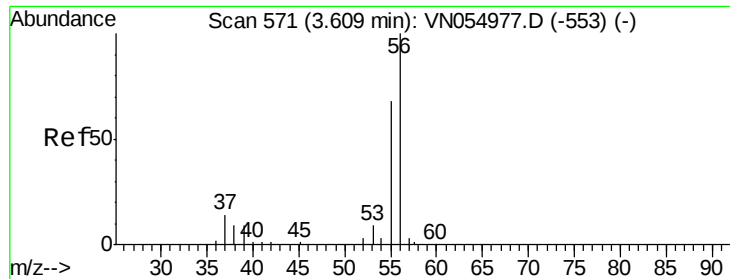
MMDadoda
4/17/2019 4:23:14 AM



#12
Methyl Acetate
Concen: 24.946 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.2	24.4





#13

Acrolein

Concen: 94.830 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 32582

Ion Ratio Lower Upper

56 100

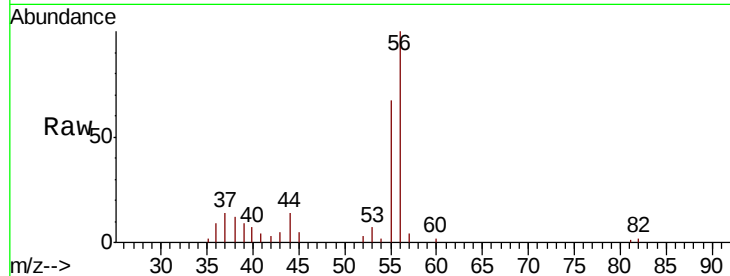
55 69.1 57.0 85.4

Manual Integrations

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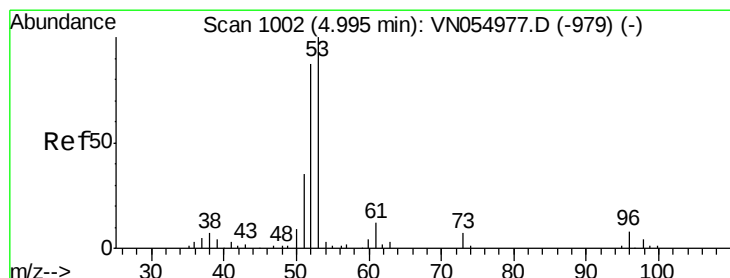
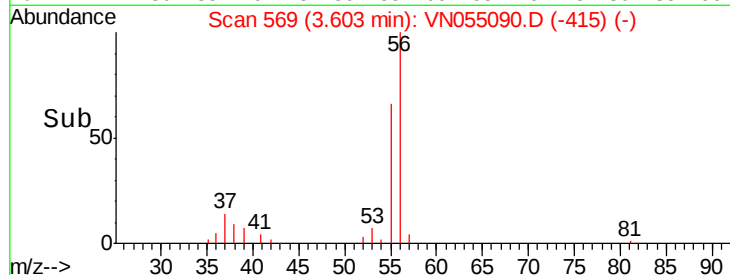
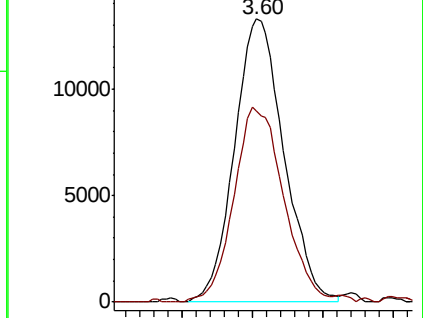
MMDadoda

4/17/2019 4:23:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 112.313 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

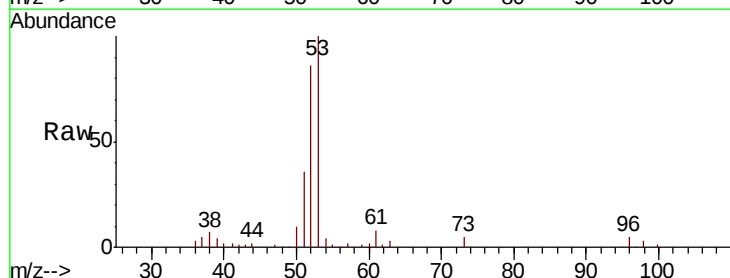
Tgt Ion: 53 Resp: 180389

Ion Ratio Lower Upper

53 100

52 82.7 42.3 126.8

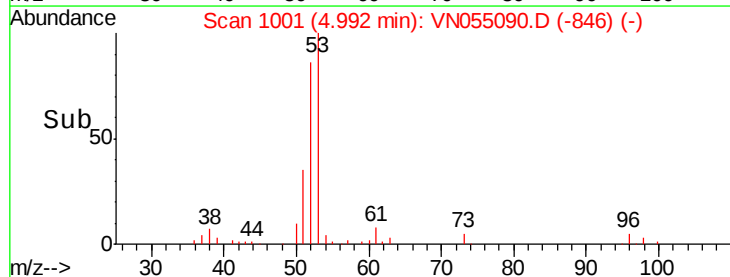
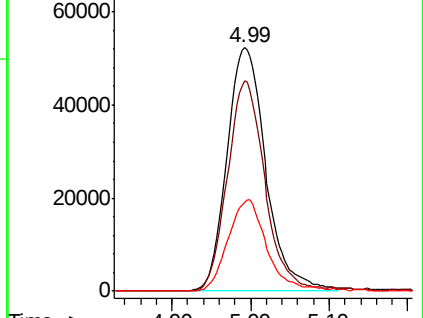
51 36.7 18.6 56.0

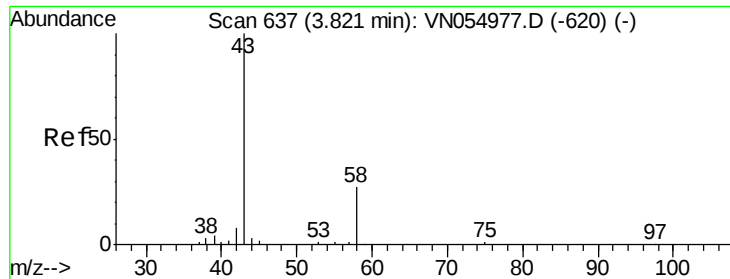


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





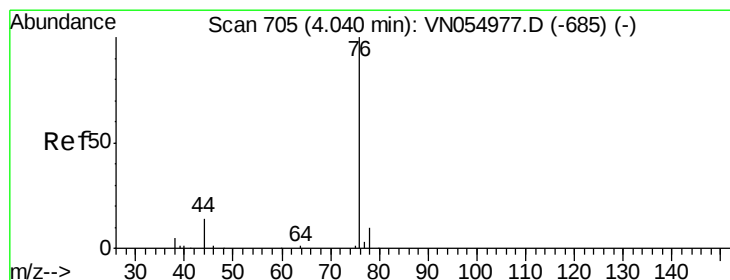
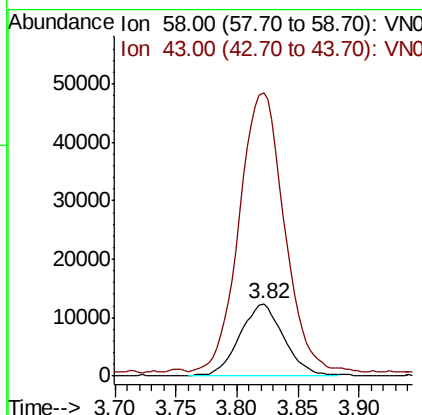
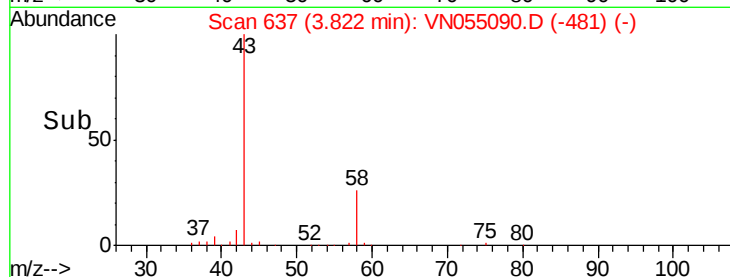
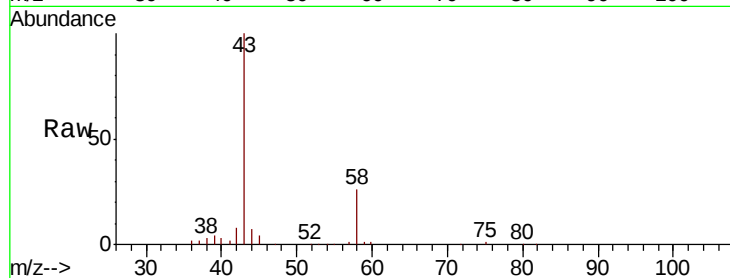
#15
Acetone
Concen: 78.291 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
58	100		
43	383.6	297.2	445.8

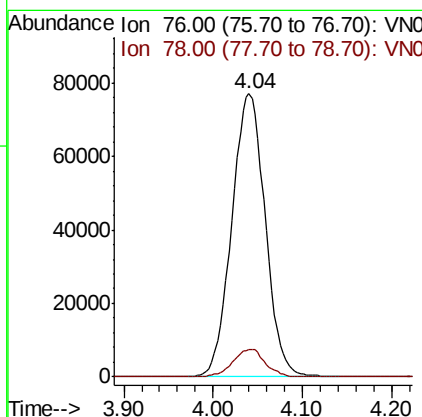
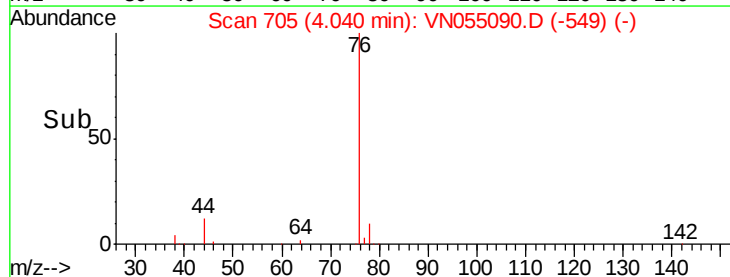
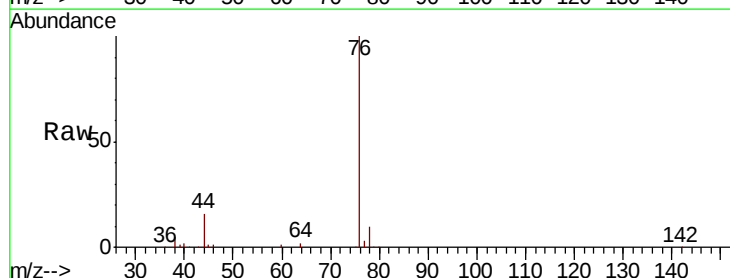
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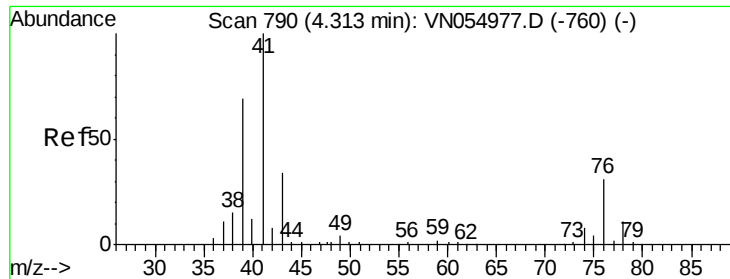
MMDadoda
4/17/2019 4:23:14 AM



#16
Carbon Disulfide
Concen: 18.755 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.8	11.6





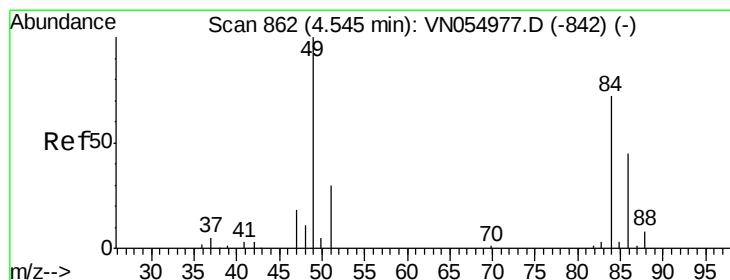
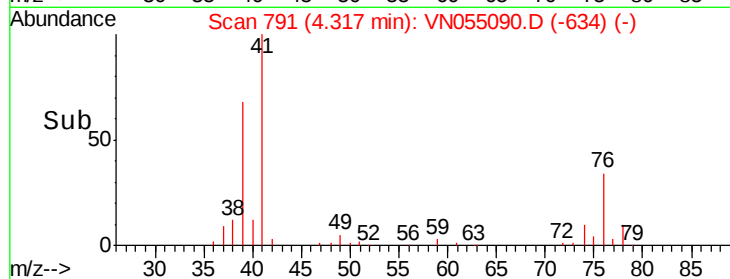
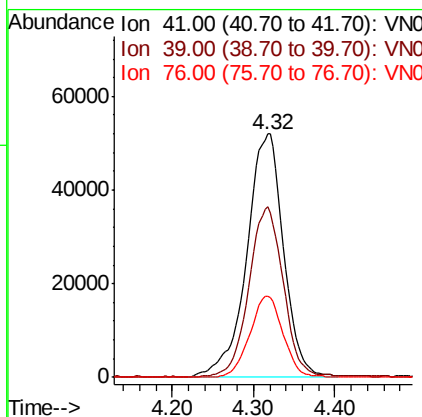
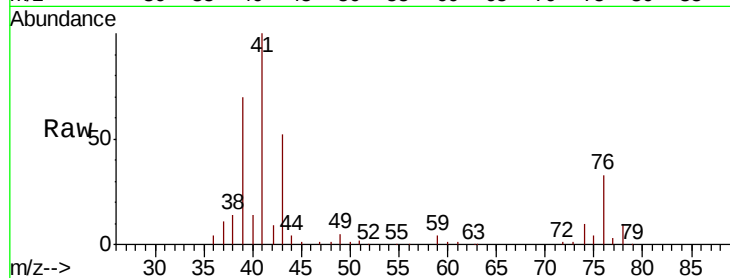
#17
Allvl chloride
Concen: 20.719 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.6	34.3	102.9
76	33.3	15.8	47.3

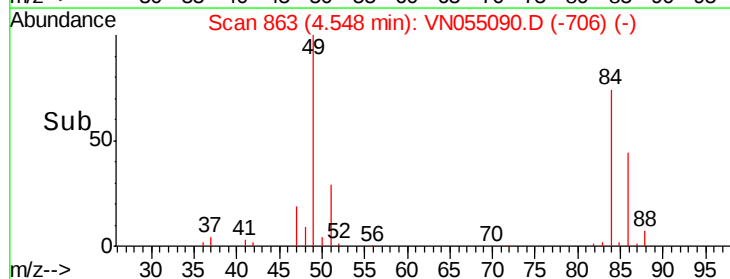
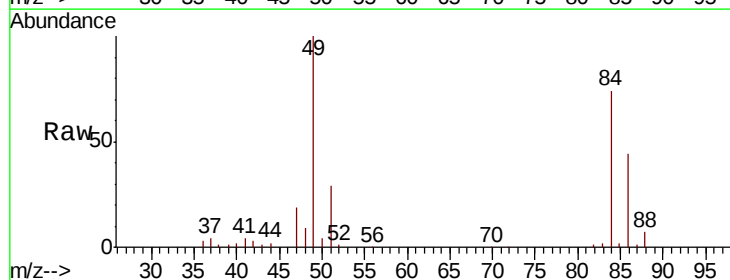
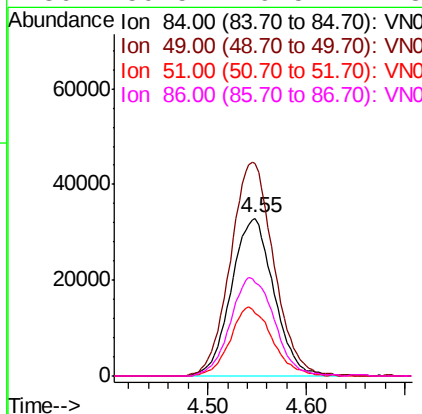
Manual Integrations
APPROVED

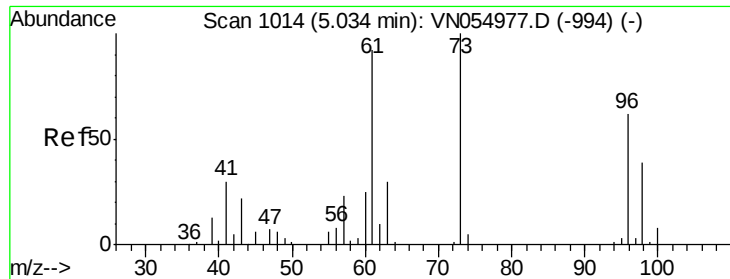
MMDadoda
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#18
Methylene Chloride
Concen: 20.909 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.0	111.0	166.4
51	39.5	33.4	50.2
86	59.5	49.5	74.3





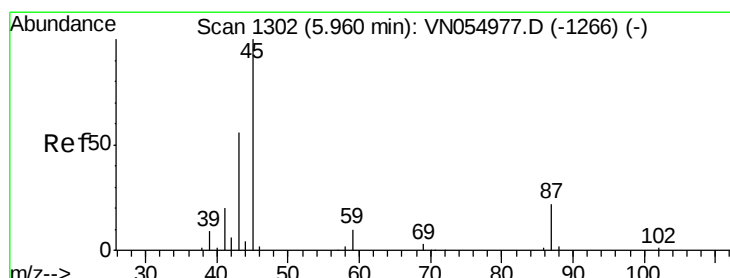
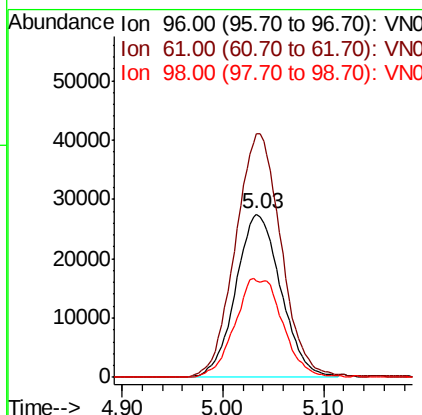
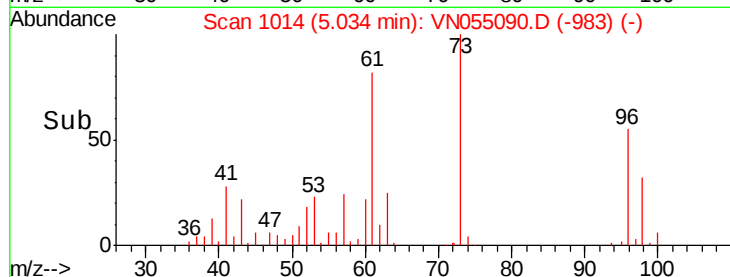
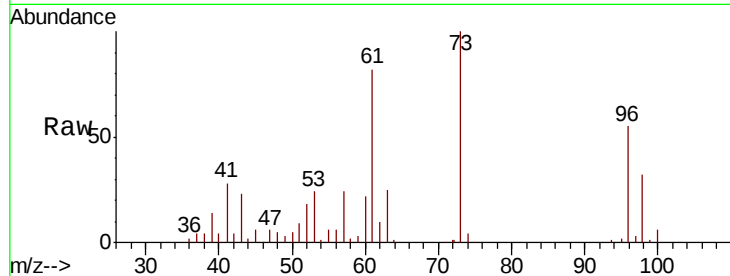
#19
trans-1,2-Dichloroethene
Concen: 20.561 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	117.2	175.8
98	58.8	49.4	74.2

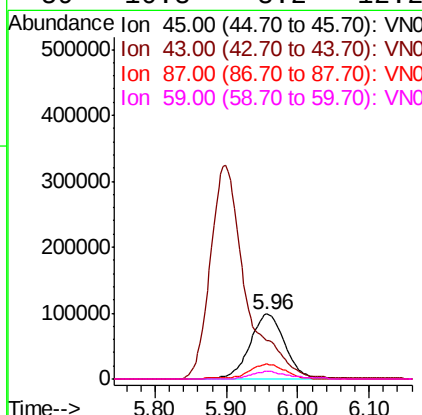
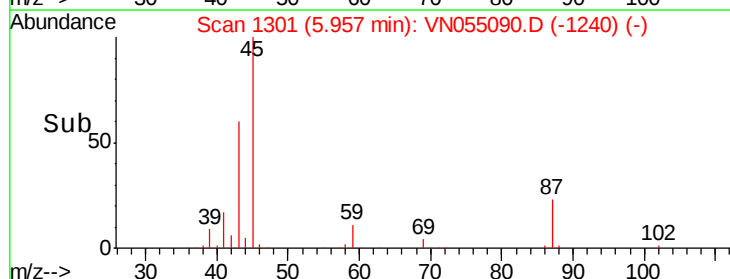
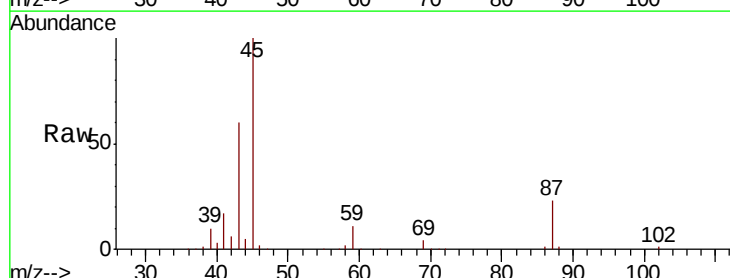
Manual Integrations
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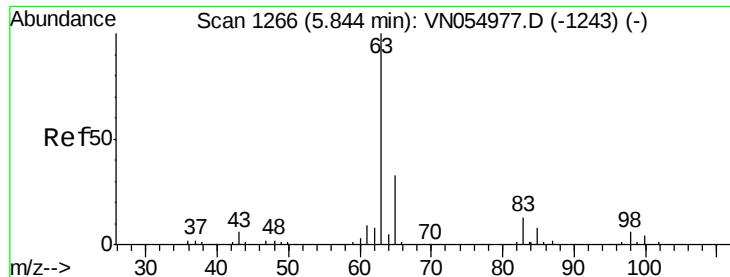
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#20
Diisopropyl ether
Concen: 21.202 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	45.8	68.8
87	22.4	18.2	27.4
59	10.8	8.2	12.2





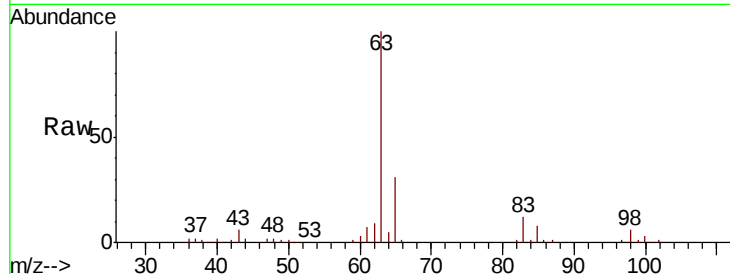
#21
 1,1-Dichloroethane
 Concen: 21.074 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

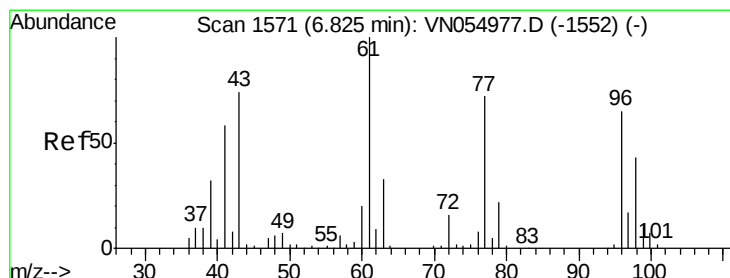
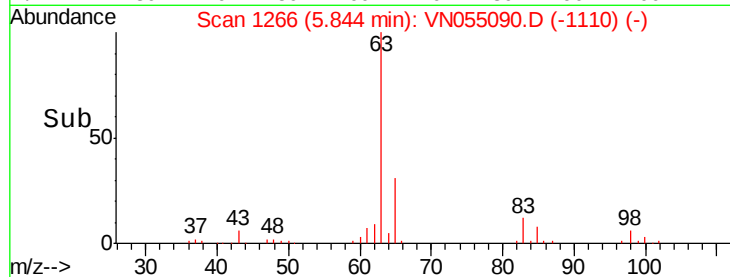
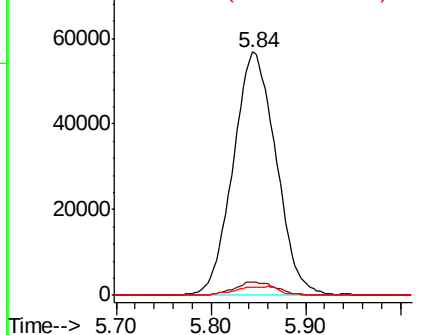
Tot Ion	63	Resp	178982
Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	3.4	2.0	5.8

Manual Integrations
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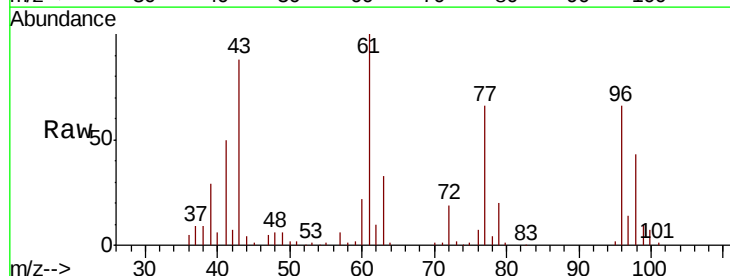


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

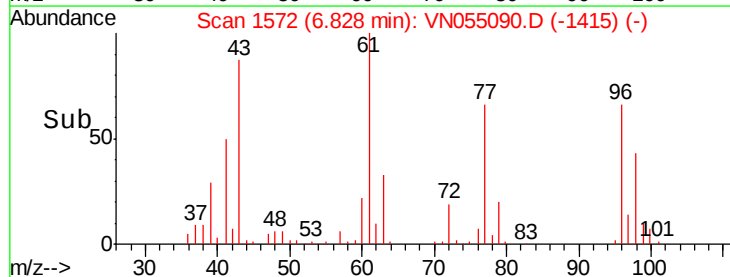
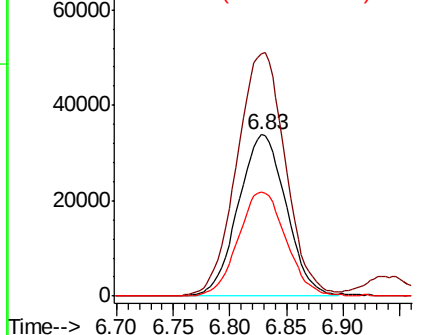


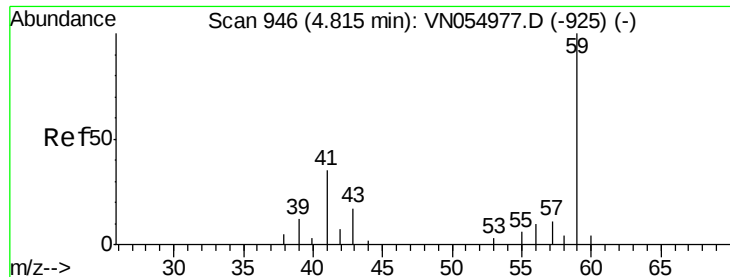
#22
 cis-1,2-Dichloroethene
 Concen: 20.698 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	96	Resp	99815
Ion	Ratio	Lower	Upper
96	100		
61	153.0	125.0	187.6
98	64.1	52.2	78.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

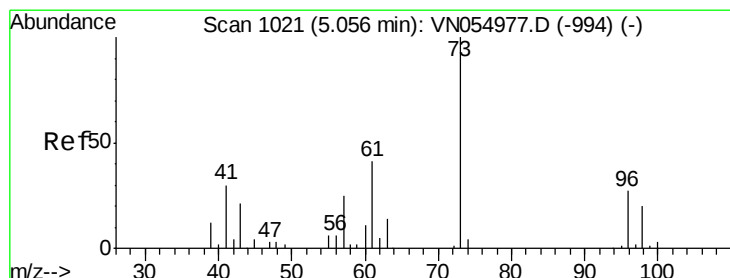
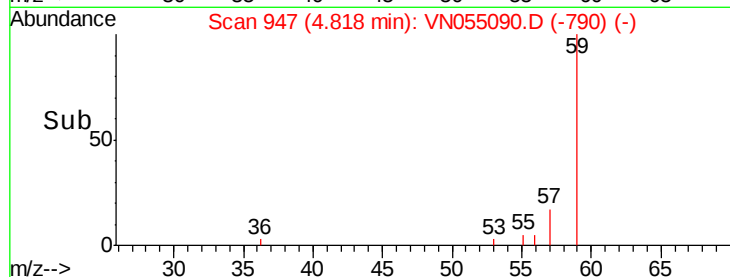
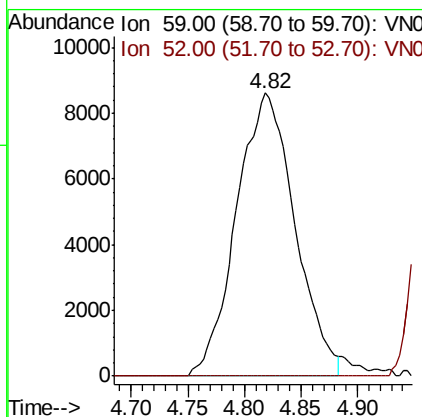
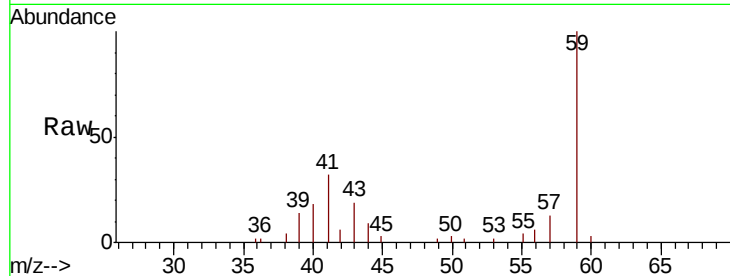
tert-Butyl Alcohol
 Concen: 120.714 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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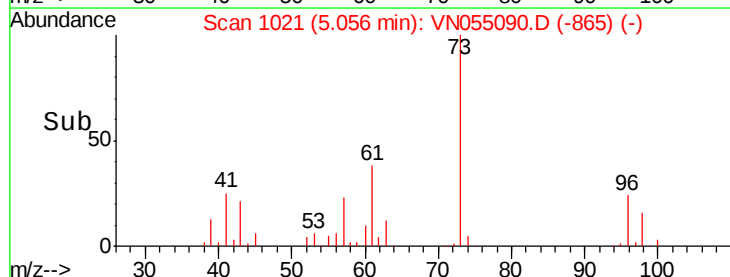
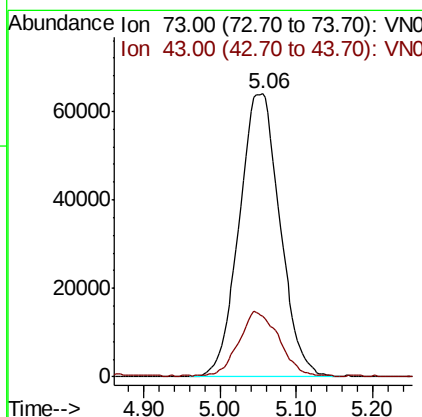
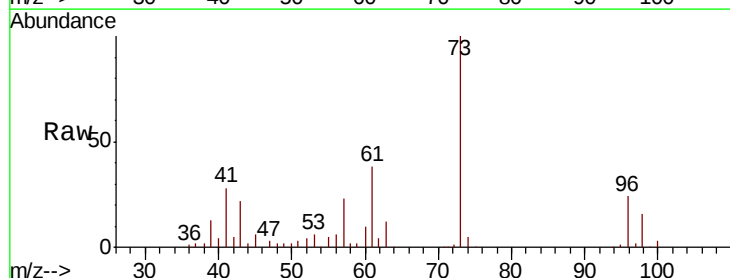
MMDadoda
 4/17/2019 4:23:14 AM

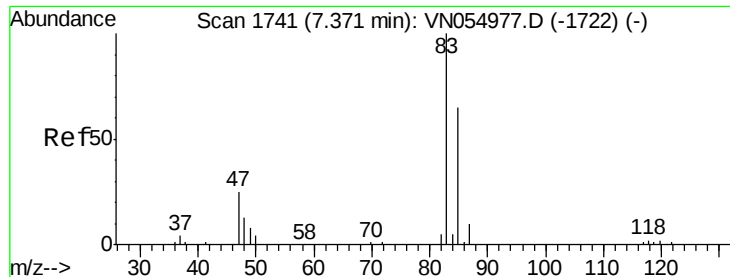


#24

Methyl tert-Butyl Ether
 Concen: 22.214 ug/l m
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
73	100		
43	0.0	8.0	12.0#





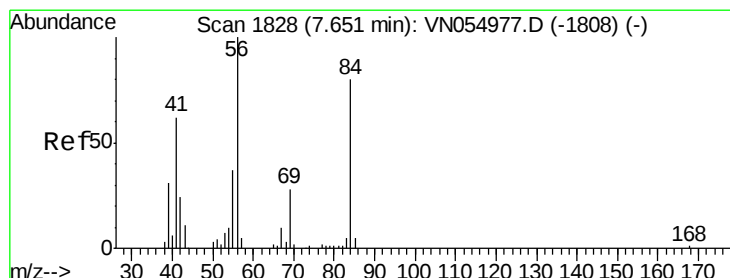
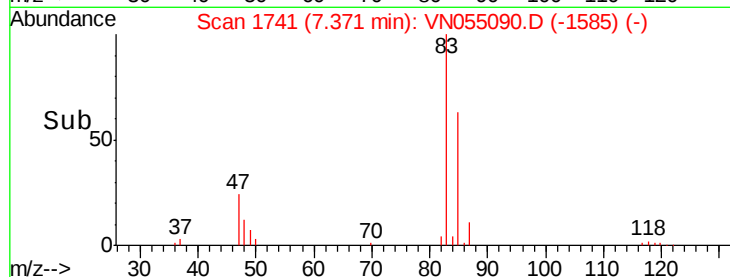
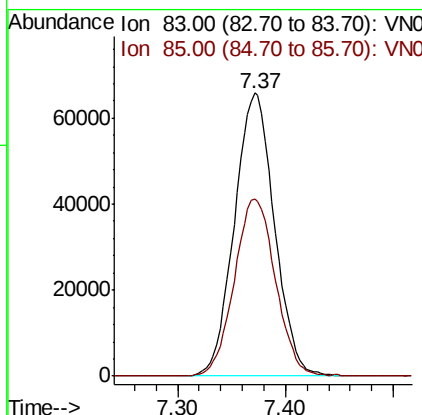
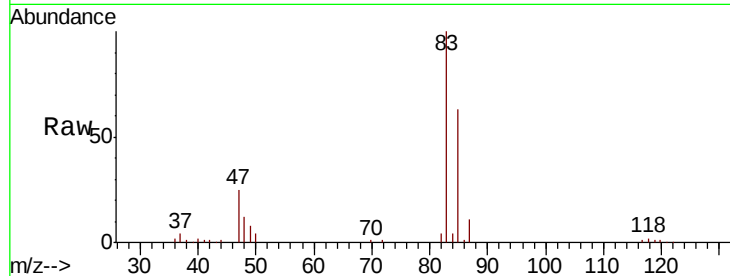
#25
Chloroform
Concen: 20.847 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	169595
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8

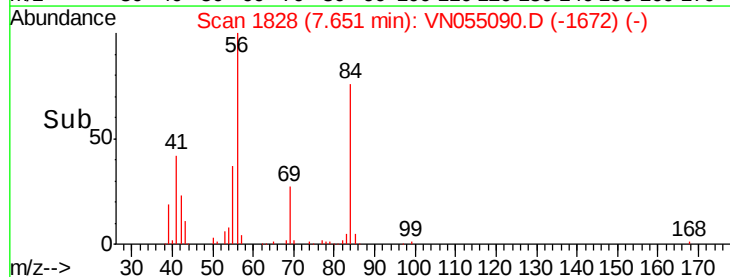
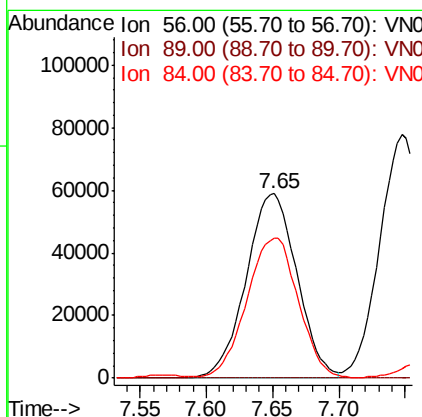
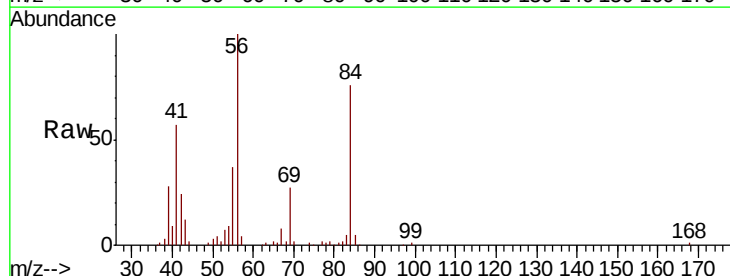
Manual Integrations
APPROVED

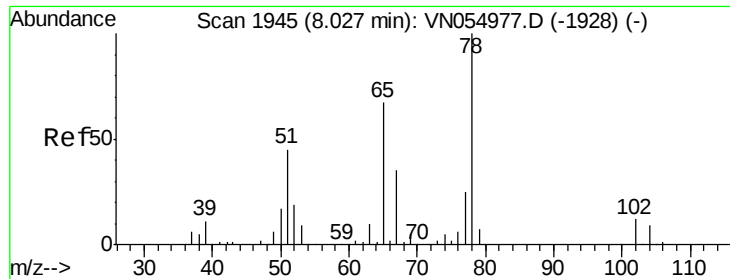
MMDadoda
4/17/2019 4:23:14 AM



#26
Cyclohexane
Concen: 19.914 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	56	Resp	156927
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	77.3	63.5	95.3





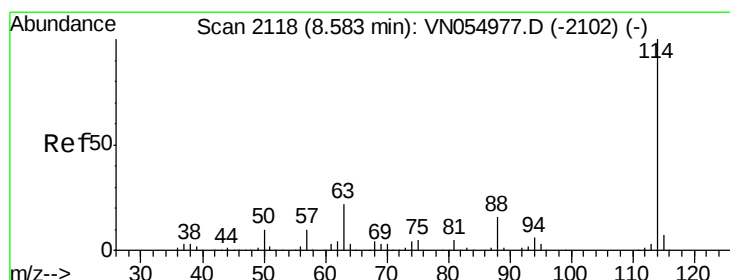
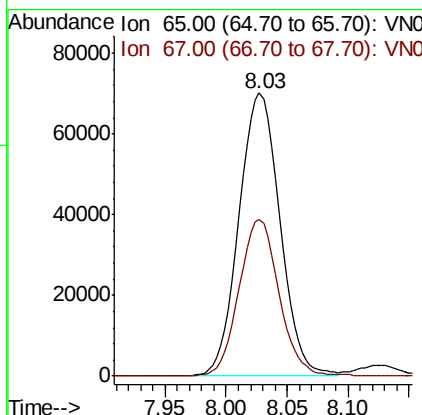
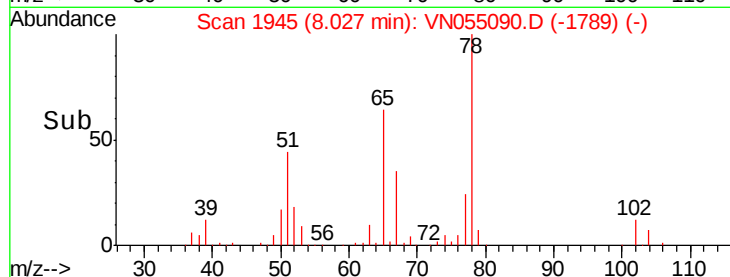
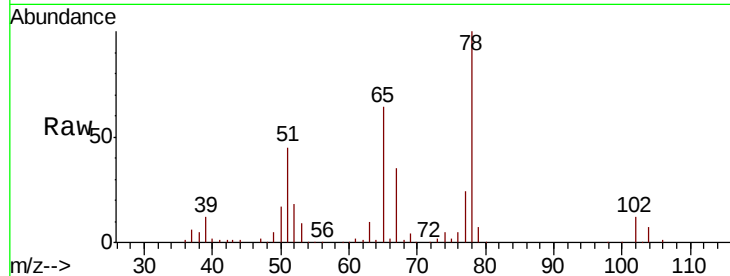
#27
 1,2-Dichloroethane-d4
 Concen: 19.914 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	41.8	62.8

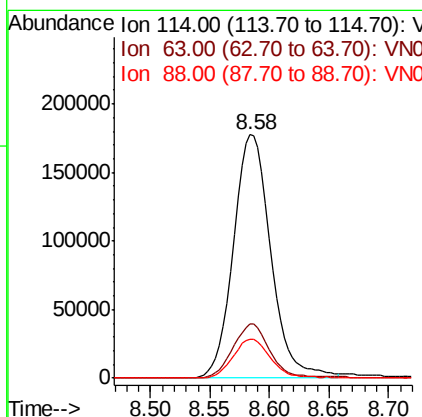
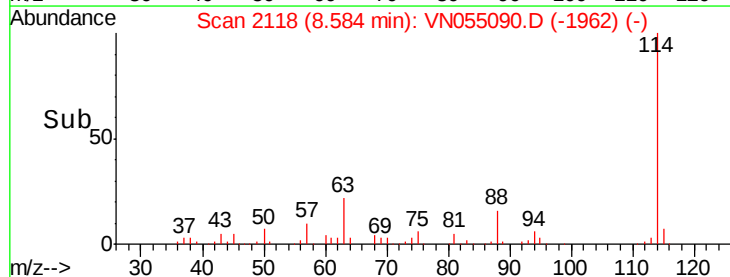
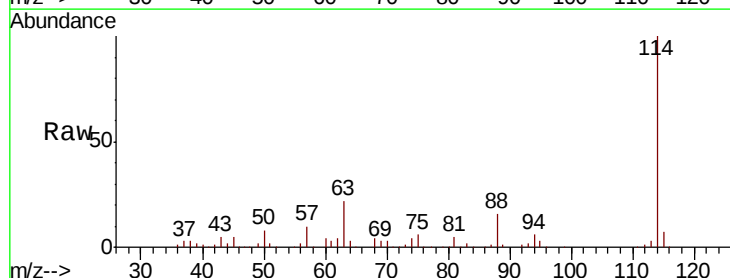
Manual Integrations
 APPROVED

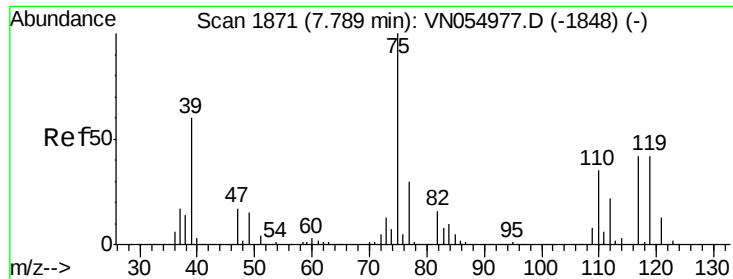
MMDadoda
 4/17/2019 4:23:14 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	17.0	25.4
88	15.9	12.3	18.5





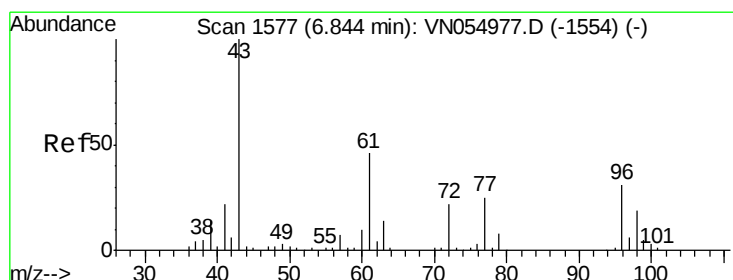
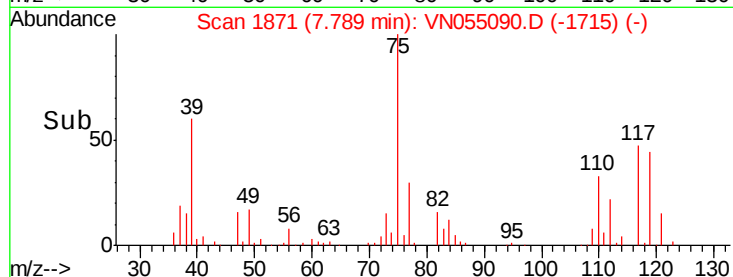
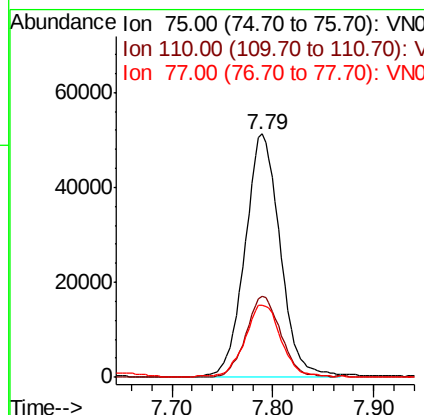
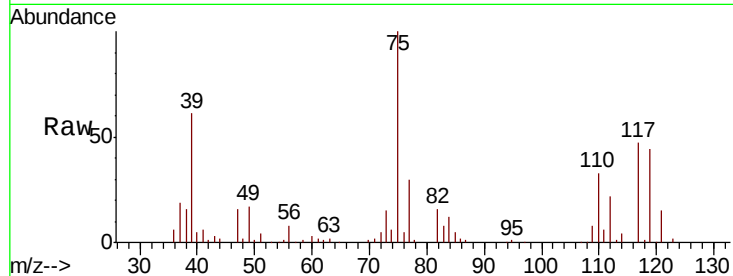
#29
 1,1-Dichloropropene
 Concen: 20.560 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.9	0.0	68.4
77	30.6	0.0	58.6

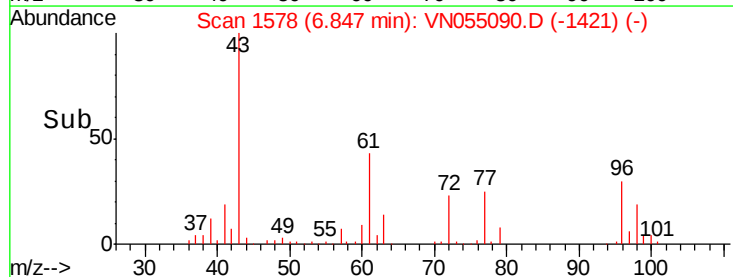
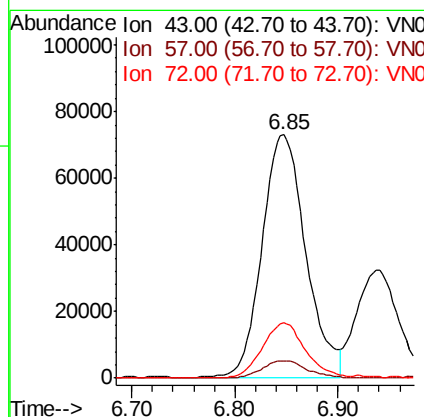
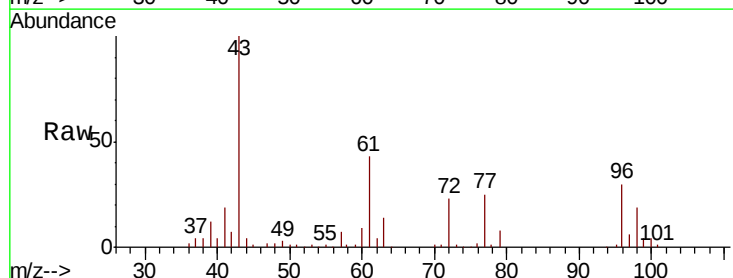
Manual Integrations
 APPROVED

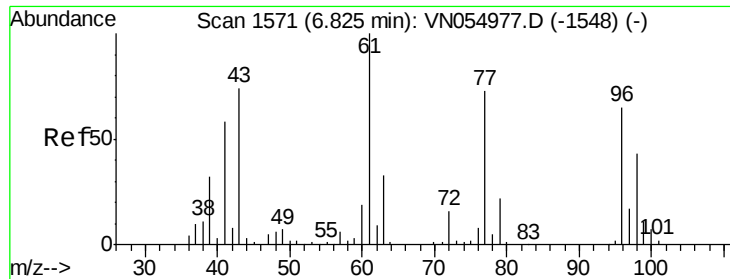
MMDadoda
 4/17/2019 4:23:14 AM



#30
 2-Butanone
 Concen: 106.989 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.4	6.0	9.0
72	22.4	18.6	27.8





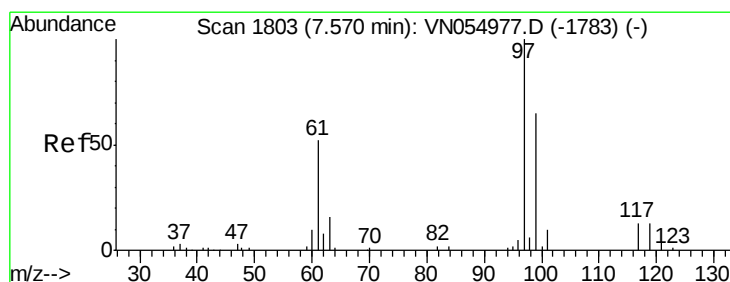
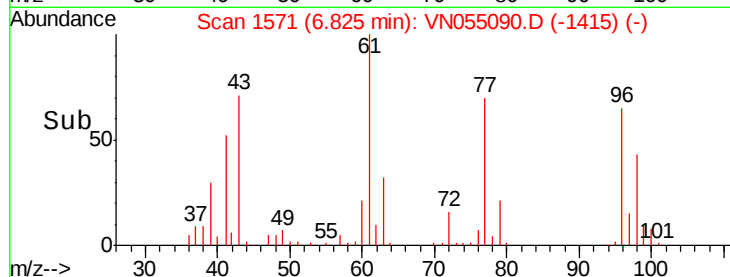
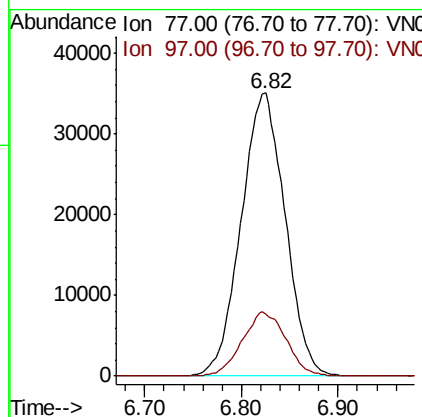
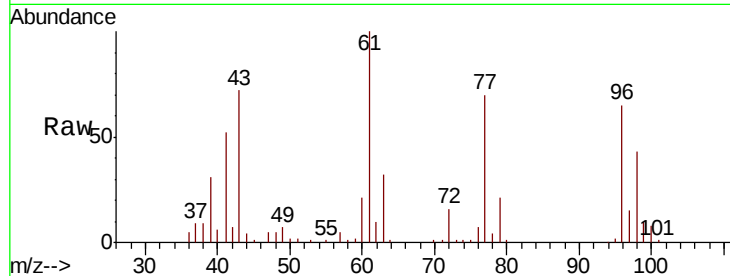
#31
 2,2-Dichloropropane
 Concen: 19.963 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 110989
 Ion Ratio Lower Upper
 77 100
 97 22.5 0.0 0.0#

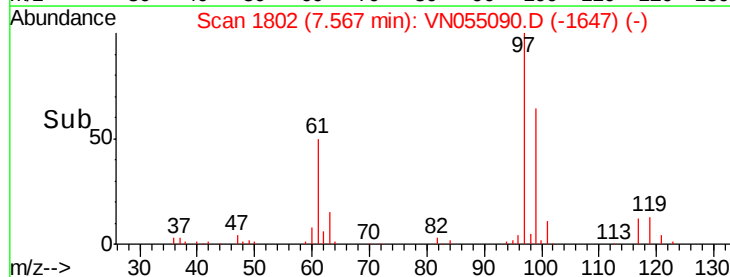
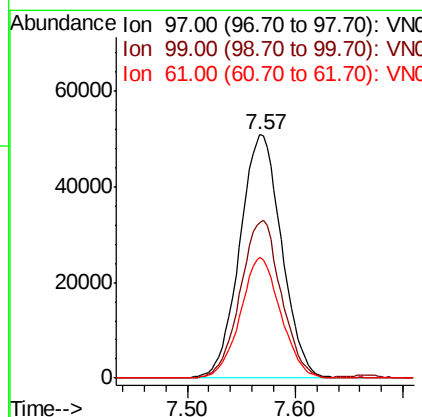
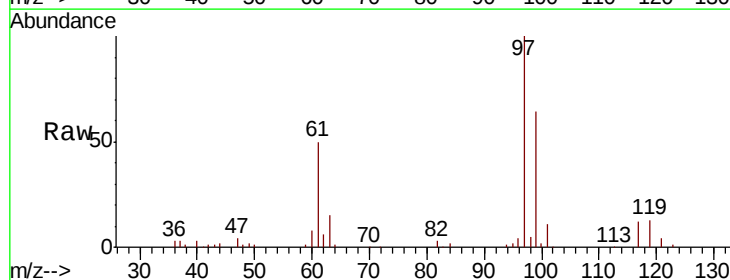
Manual Integrations
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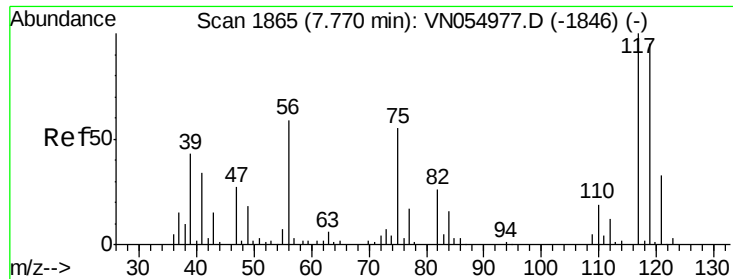
MMDadoda
 4/17/2019 4:23:14 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.485 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 97 Resp: 137182
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.2 76.8
 61 47.8 40.6 60.8





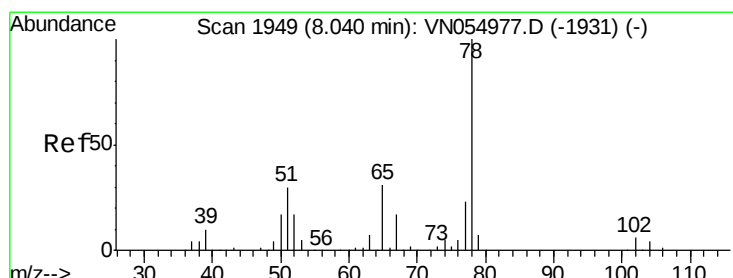
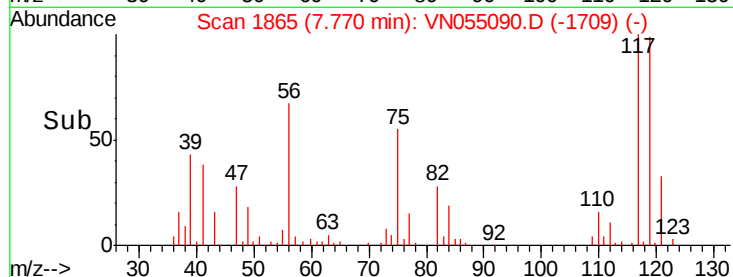
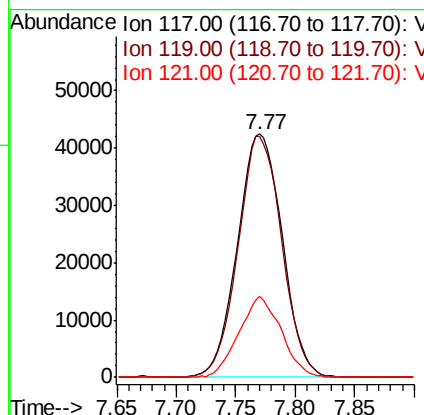
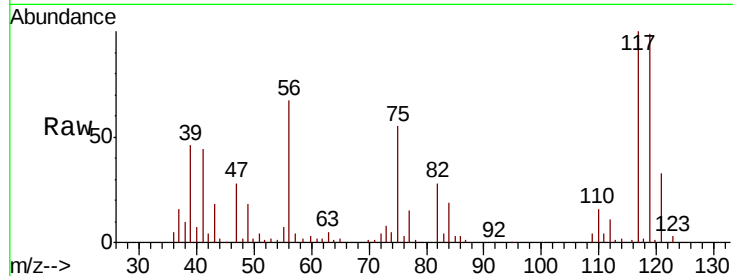
#33
Carbon Tetrachloride
Concen: 20.026 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.1	114.1
121	33.1	26.2	39.4

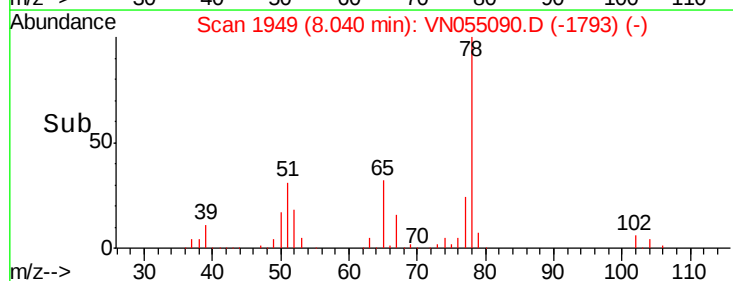
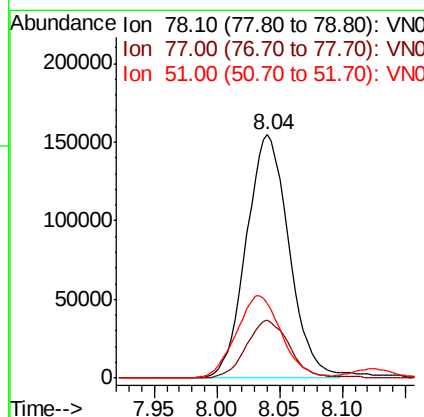
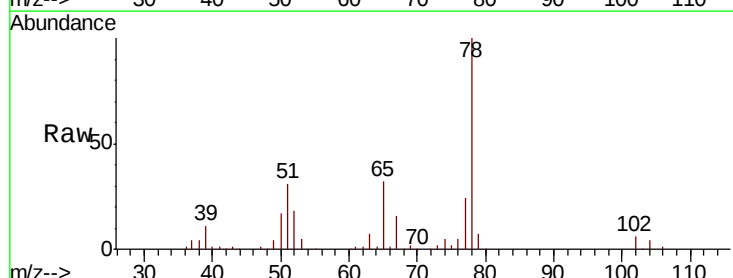
Manual Integrations
APPROVED

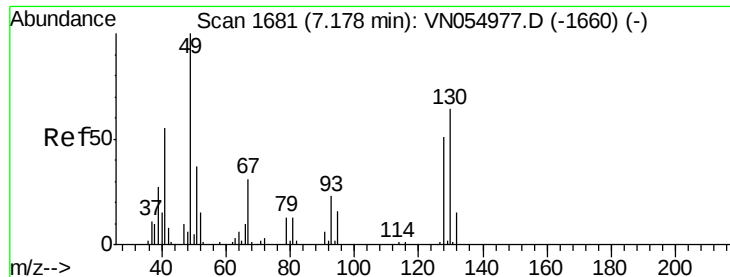
MMDadoda
4/17/2019 4:23:14 AM



#34
Benzene
Concen: 20.518 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.4
51	30.5	23.7	35.5





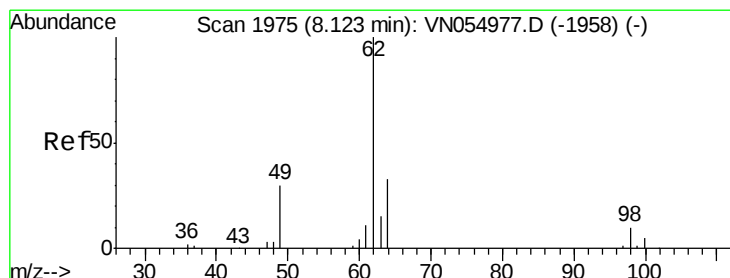
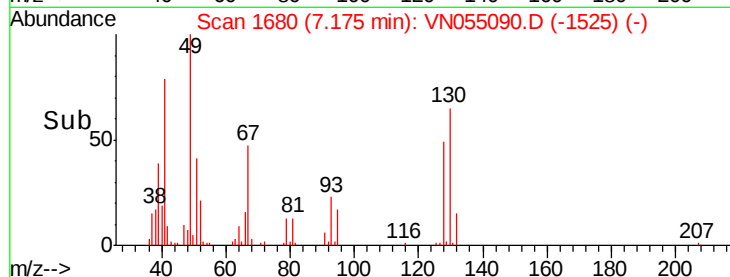
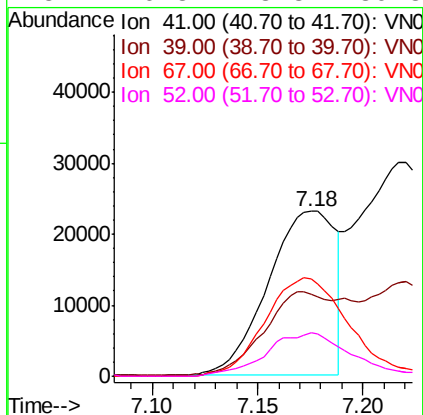
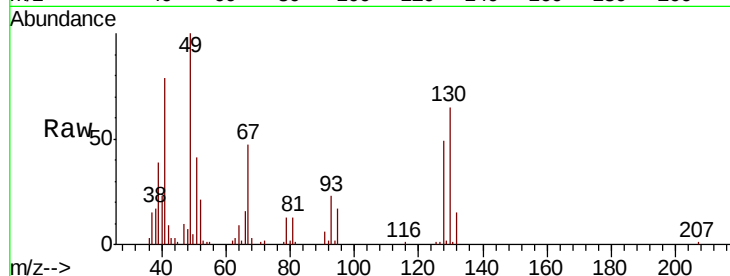
#35
Methacrylonitrile
Concen: 21.557 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	50946
Ion	Ratio	Lower	Upper
41	100		
39	49.1	24.2	72.6
67	59.6	28.1	84.2
52	26.8	13.3	39.8

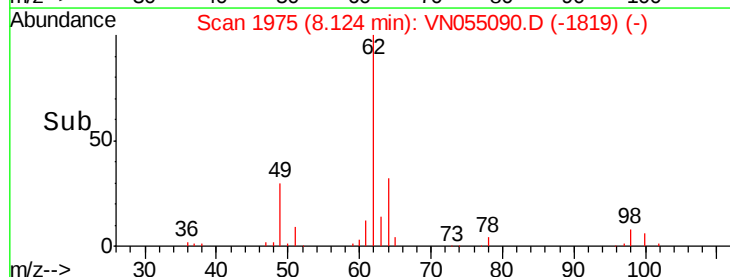
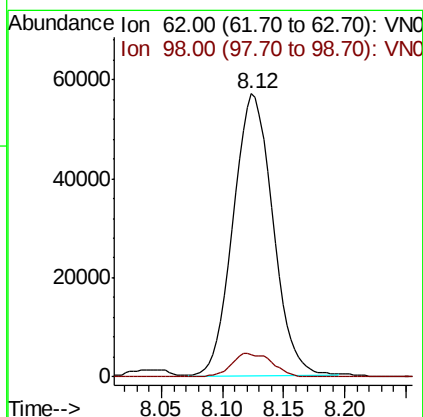
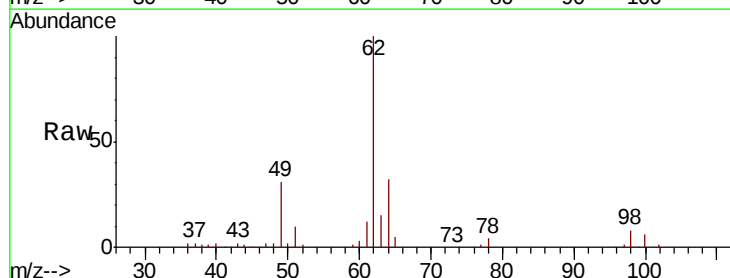
Manual Integrations
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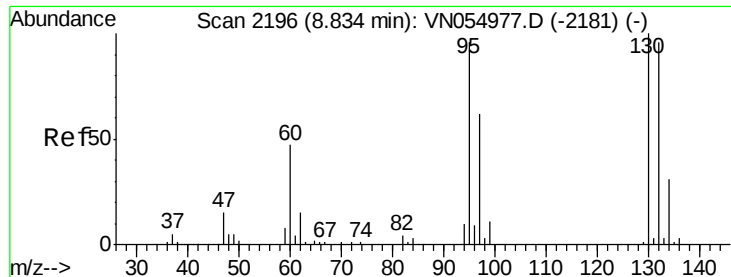
MMDadoda
4/17/2019 4:23:14 AM



#36
1,2-Dichloroethane
Concen: 20.972 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	62	Resp	128305
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.9	10.3





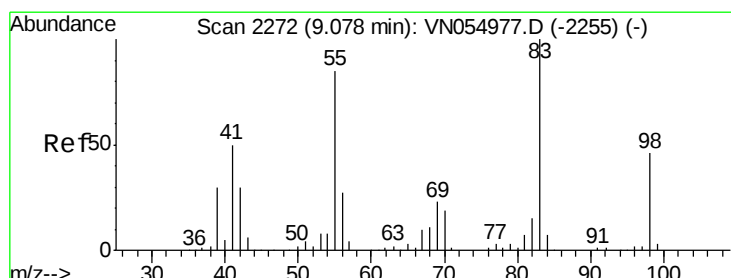
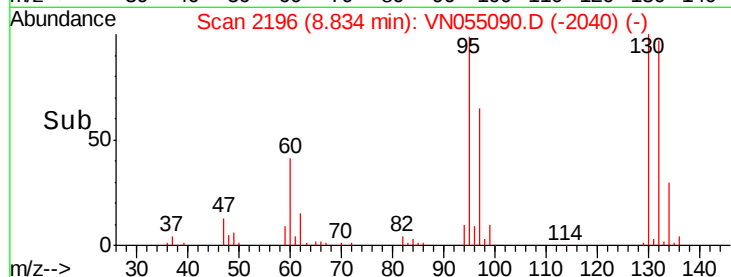
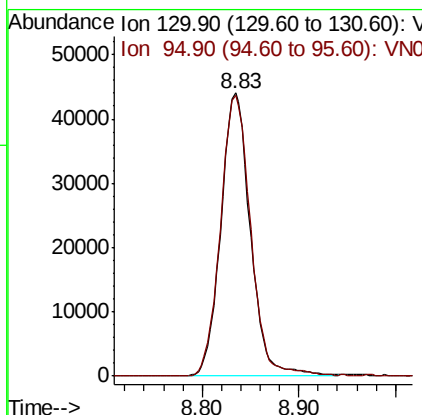
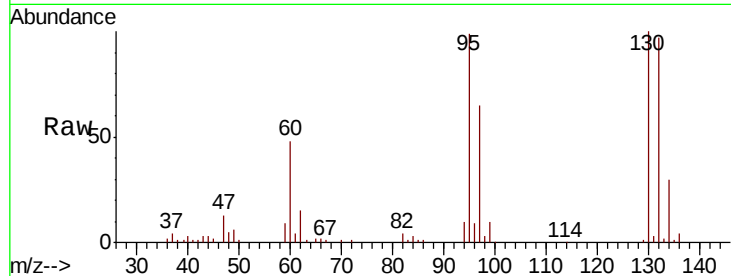
#37
 Trichloroethene
 Concen: 20.481 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 93463
 Ion Ratio Lower Upper
 130 100
 95 99.3 76.6 115.0

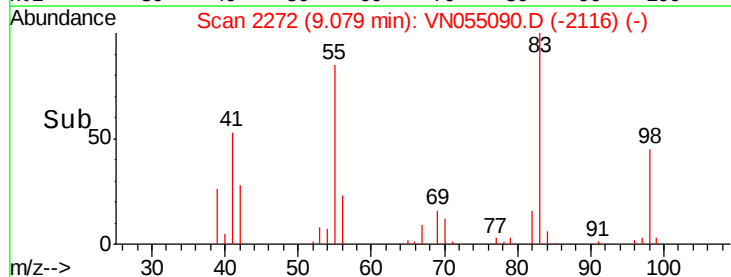
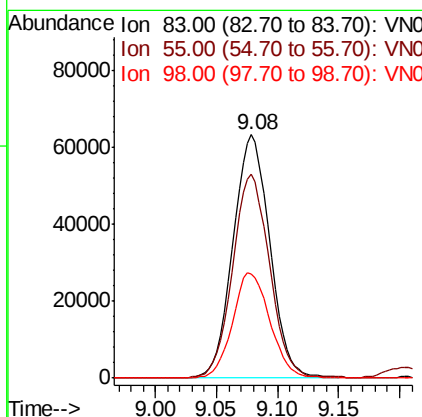
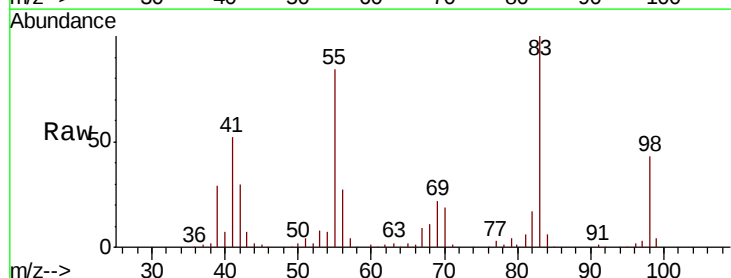
Manual Integrations
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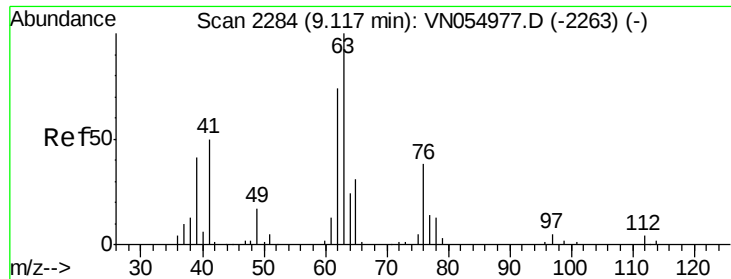
MMDadoda
 4/17/2019 4:23:14 AM



#38
 Methylcyclohexane
 Concen: 18.889 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 83 Resp: 132324
 Ion Ratio Lower Upper
 83 100
 55 84.5 41.9 125.6
 98 43.8 22.4 67.0





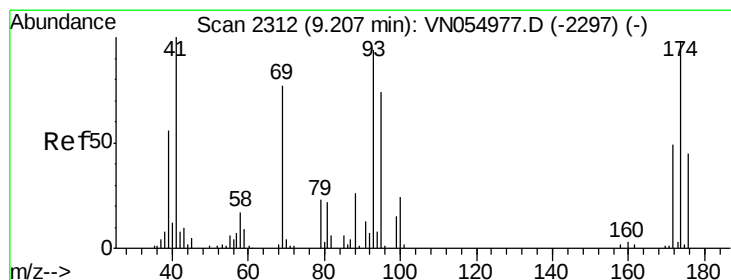
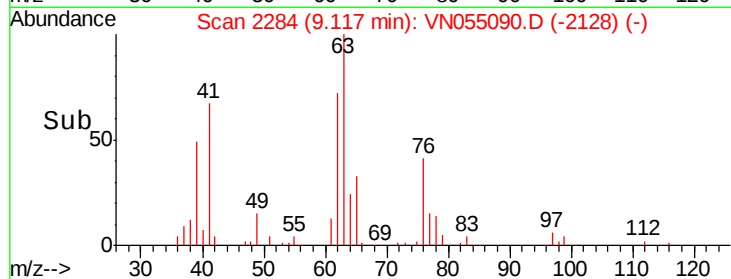
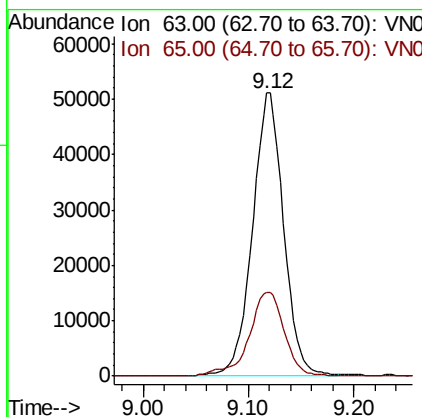
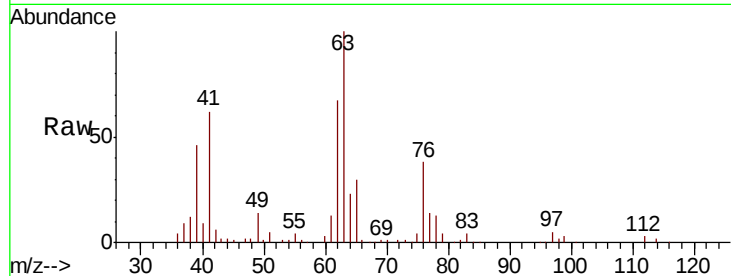
#39
 1,2-Dichloropropane
 Concen: 21.303 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.8	37.2

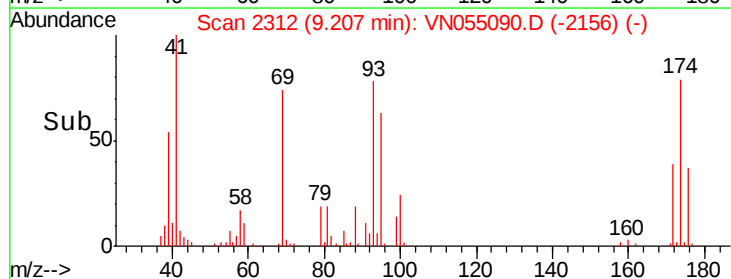
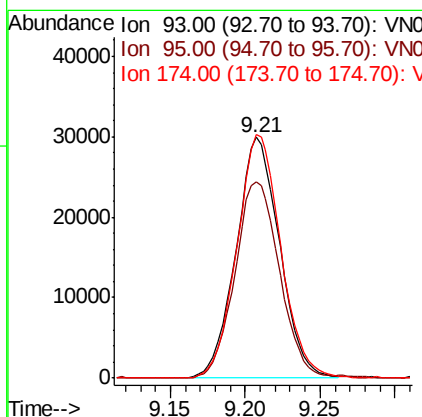
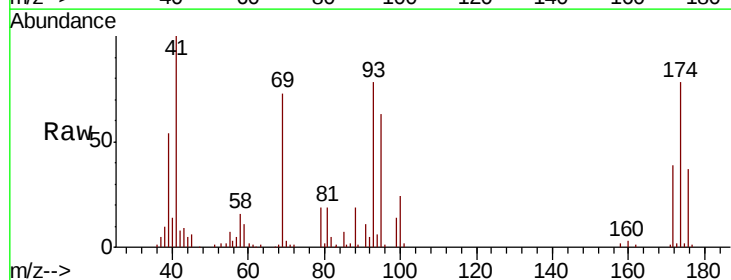
Manual Integrations
 APPROVED

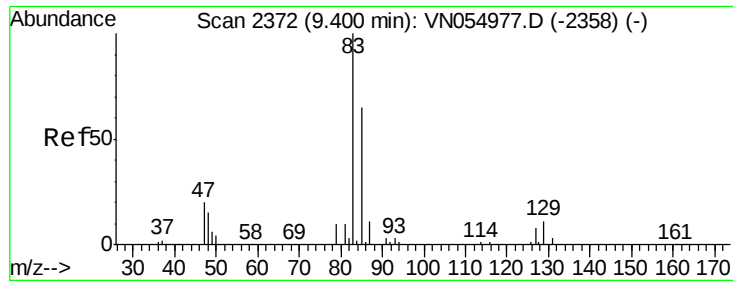
MMDadoda
 4/17/2019 4:23:14 AM



#40
 Dibromomethane
 Concen: 21.701 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	160.8
174	101.9	0.0	206.4





#41

Bromodichloromethane

Concen: 20.102 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

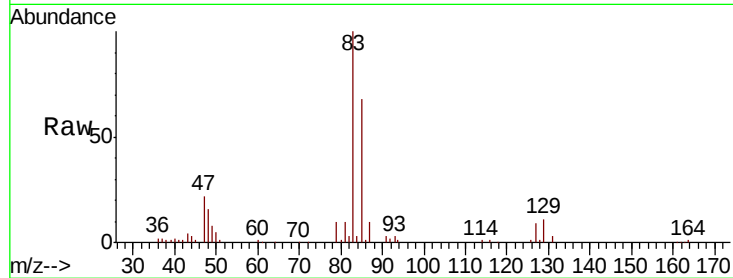
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	115912
Ion Ratio	Lower	Upper	
83	100		
85	67.7	52.0	78.0
127	8.9	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:23:14 AM

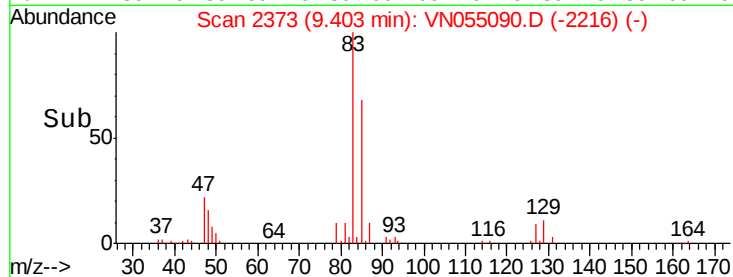


Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN054977.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN054977.D (-2358) (-)

Time-->

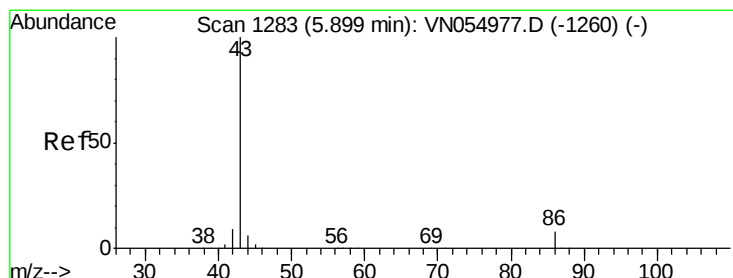


Abundance Ion 83.00 (82.70 to 83.70): VN055090.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN055090.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN055090.D (-2216) (-)

Time-->



#42

Vinyl Acetate

Concen: 110.363 ug/l

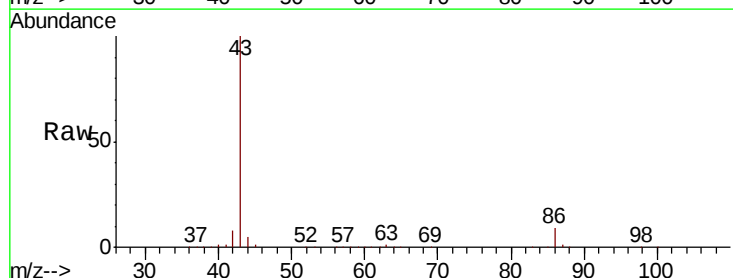
RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

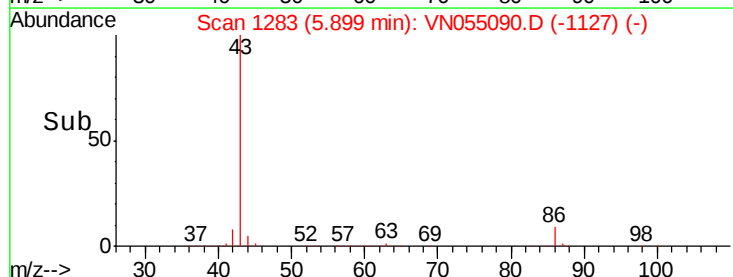
Tgt Ion:	43	Resp:	1118757
Ion Ratio	Lower	Upper	
43	100		
86	7.4	5.7	8.5



Abundance Ion 43.00 (42.70 to 43.70): VN054977.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN054977.D (-1260) (-)

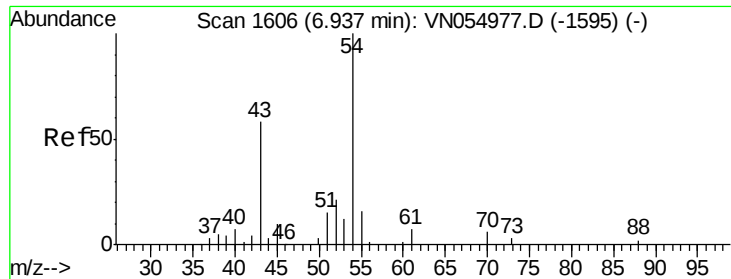
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN055090.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN055090.D (-1127) (-)

Time-->



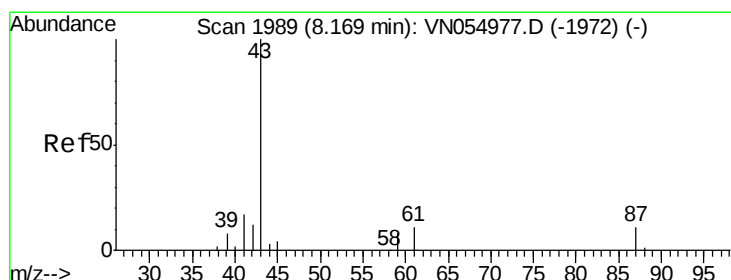
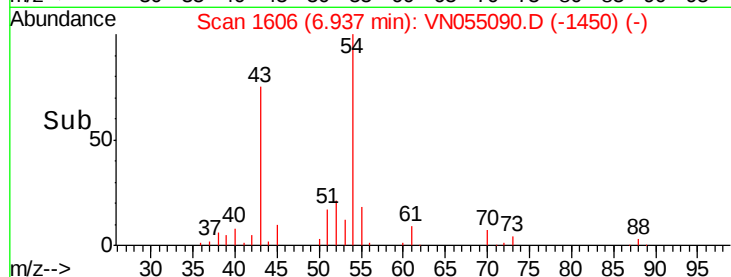
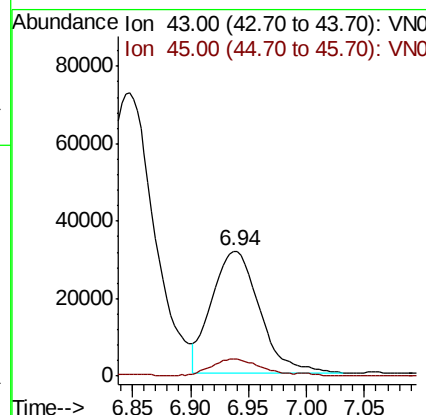
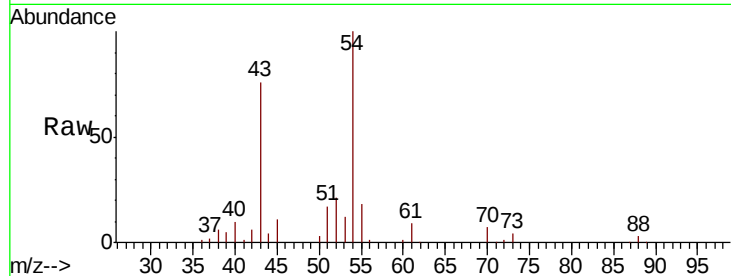
#43
Ethyl Acetate
Concen: 22.172 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 90570
Ion Ratio Lower Upper
43 100
45 13.2 10.6 15.8

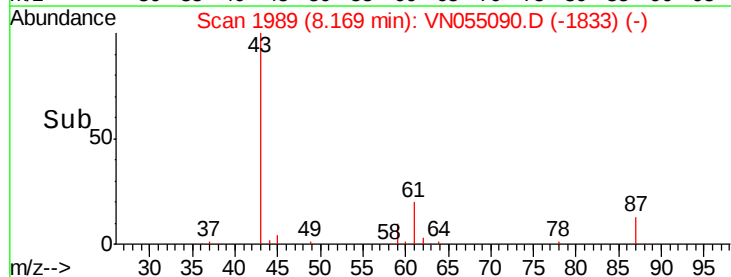
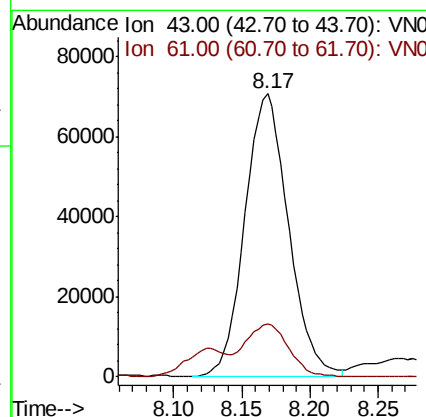
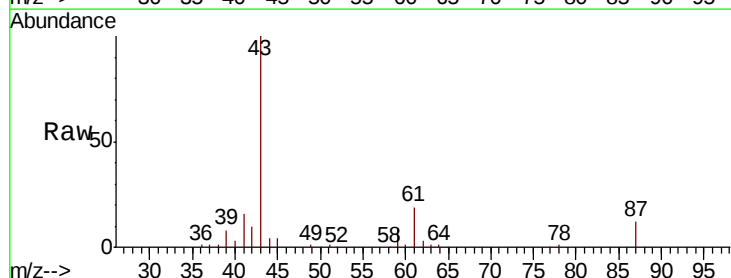
Manual Integrations
APPROVED

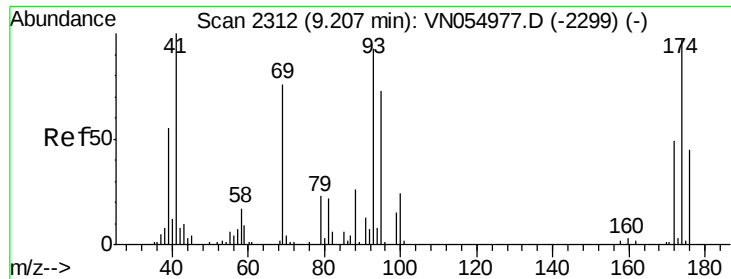
MMDadoda
4/17/2019 4:23:14 AM



#44
Isopropyl Acetate
Concen: 22.583 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 43 Resp: 156334
Ion Ratio Lower Upper
43 100
61 18.7 14.8 22.2





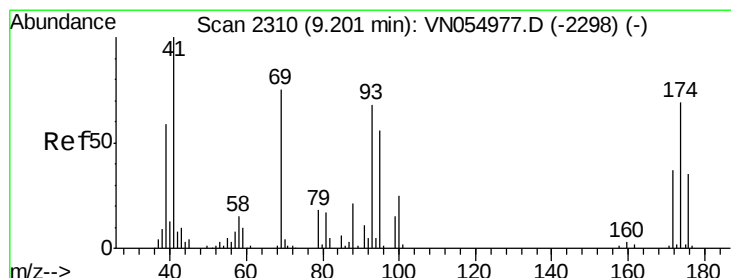
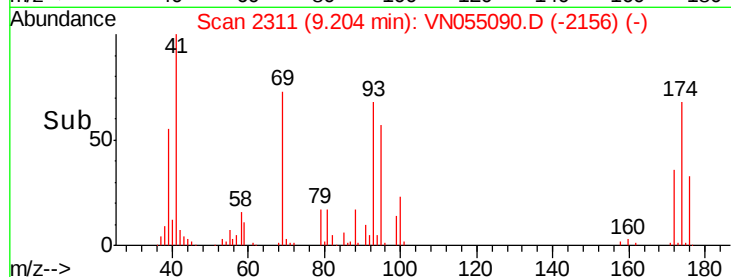
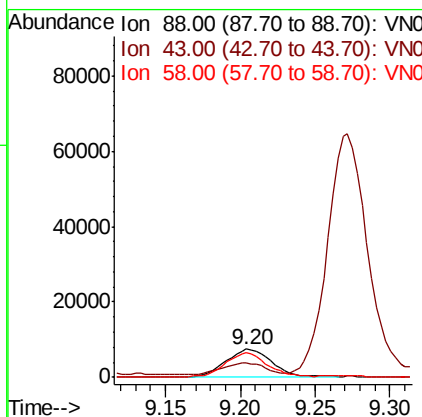
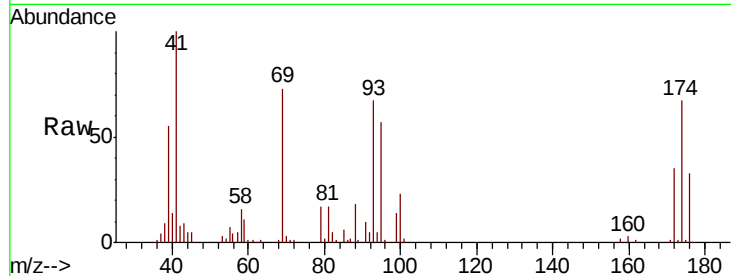
#45
1,4-Dioxane
Concen: 423.754 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	88	Resp	16252
Ion	Ratio	Lower	Upper
88	100		
43	38.3	34.5	51.7
58	79.3	60.3	90.5

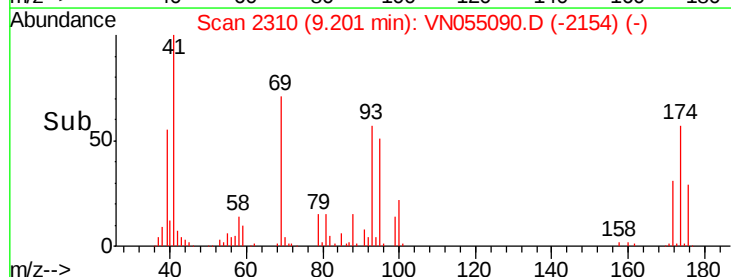
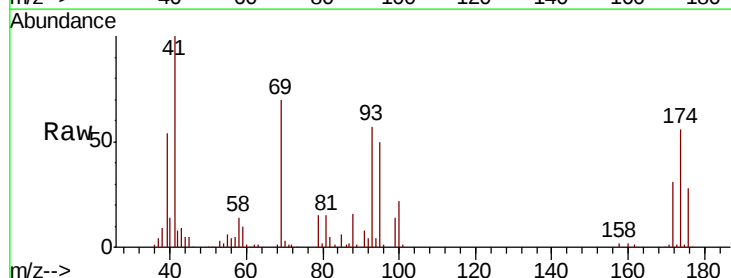
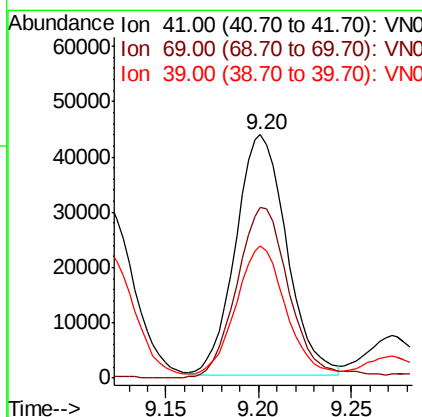
Manual Integrations
APPROVED

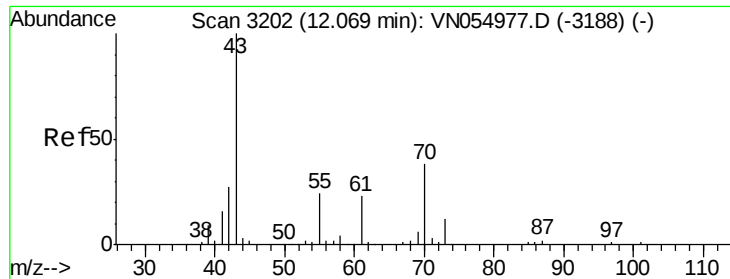
MMDadoda
4/17/2019 4:23:14 AM



#46
Methyl methacrylate
Concen: 23.277 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	41	Resp	83359
Ion	Ratio	Lower	Upper
41	100		
69	71.3	37.3	111.9
39	54.1	29.4	88.2





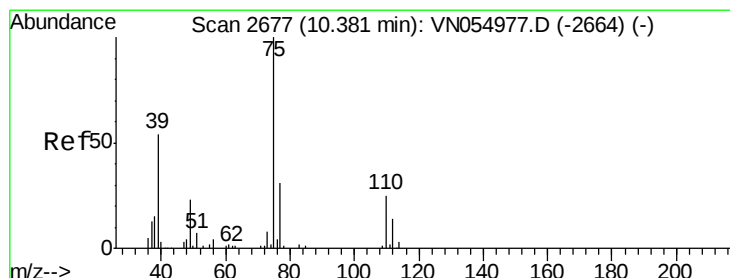
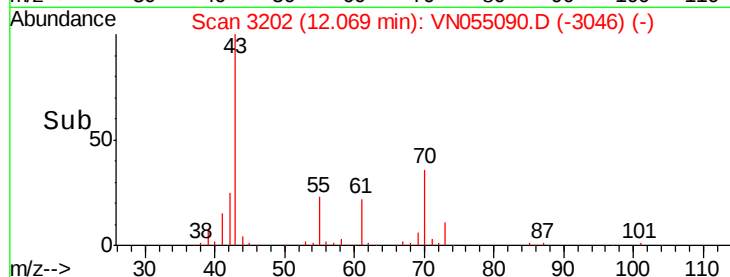
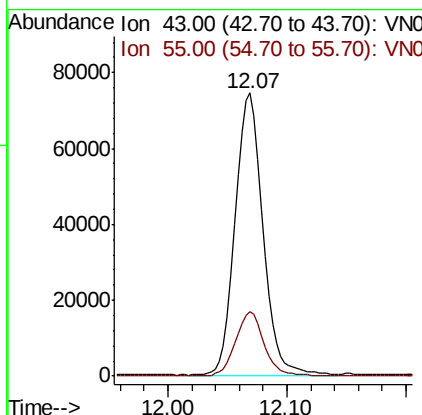
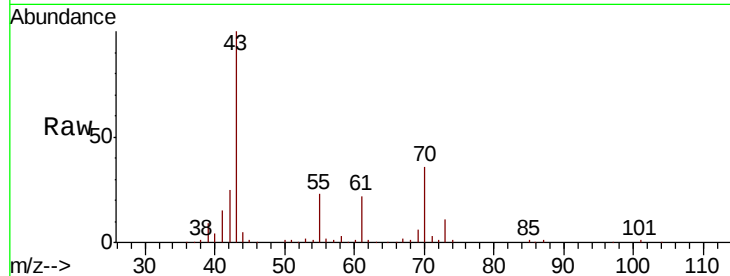
#47
n-amvl Acetate
Concen: 23.629 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	55	Ratio	Lower	Upper
120480	100	23.6	19.8	29.6	

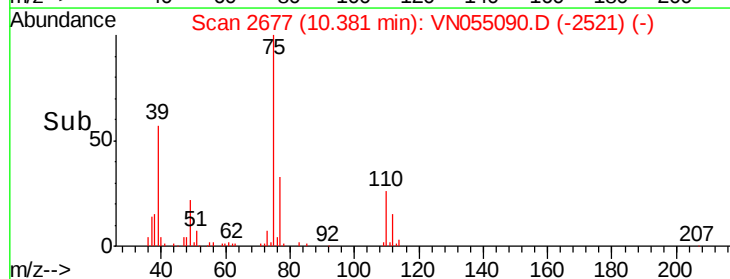
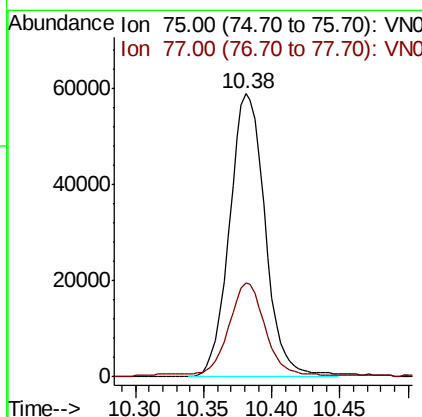
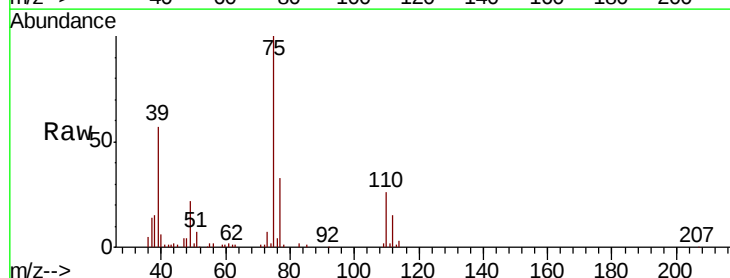
Manual Integrations
APPROVED

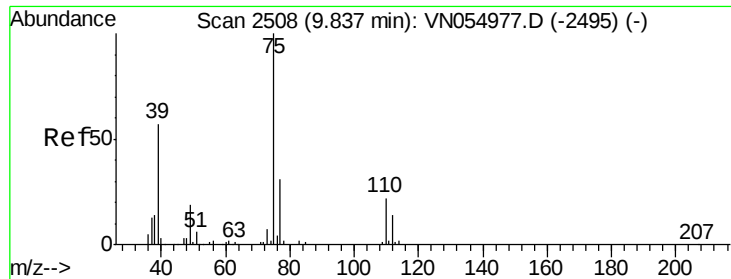
MMDadoda
4/17/2019 4:23:14 AM



#48
t-1,3-Dichloropropene
Concen: 20.244 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	75	77	Ratio	Lower	Upper
107191	100	32.4	24.6	37.0	





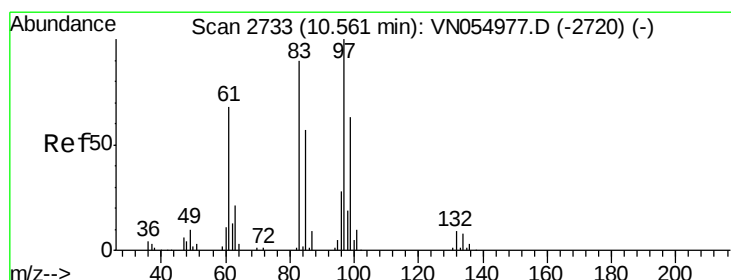
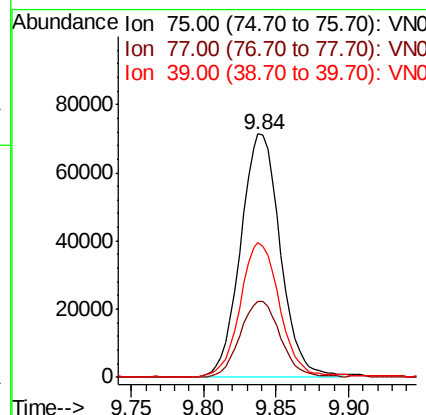
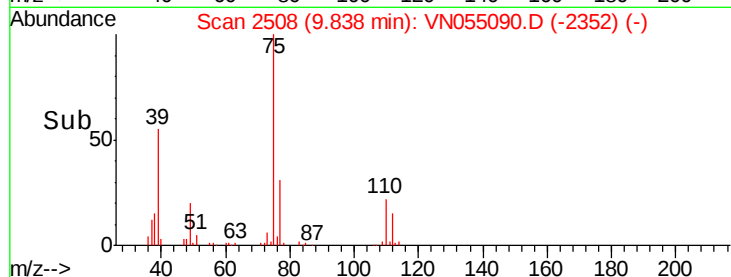
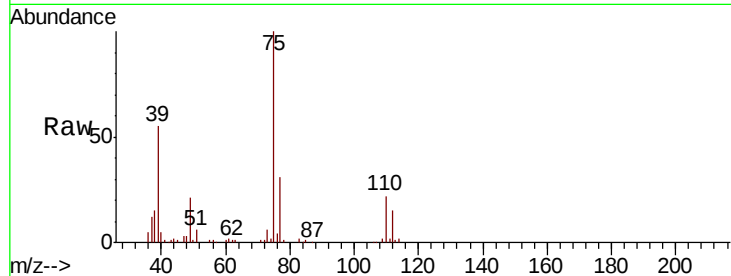
#49
 cis-1,3-Dichloropropene
 Concen: 20.823 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	55.1	45.3	67.9

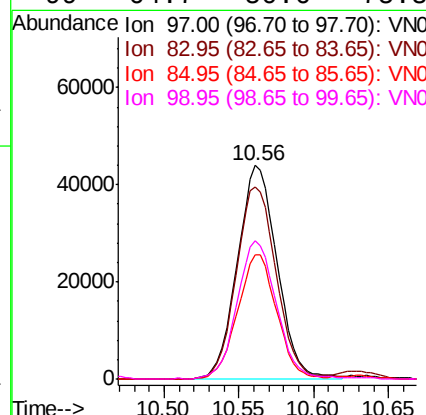
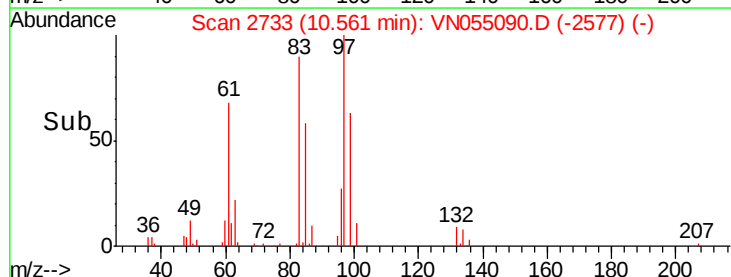
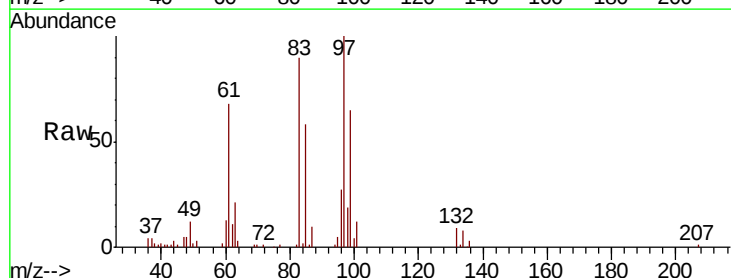
Manual Integrations
 APPROVED

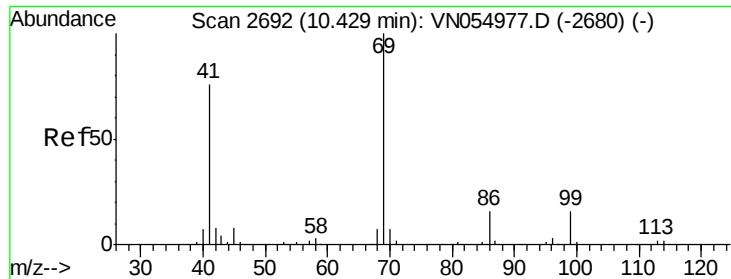
MMDadoda
 4/17/2019 4:23:14 AM



#50
 1,1,2-Trichloroethane
 Concen: 21.449 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.1	108.1
85	58.1	45.4	68.0
99	64.7	50.6	75.8





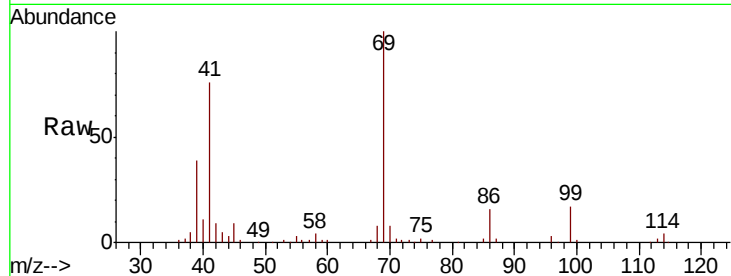
#51
 Ethyl methacrylate
 Concen: 22.293 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

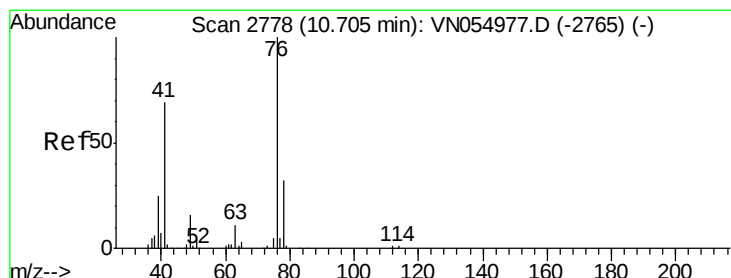
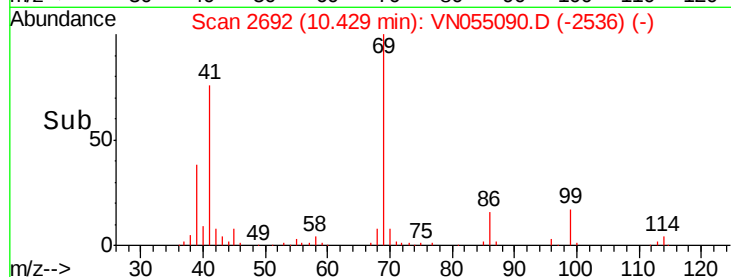
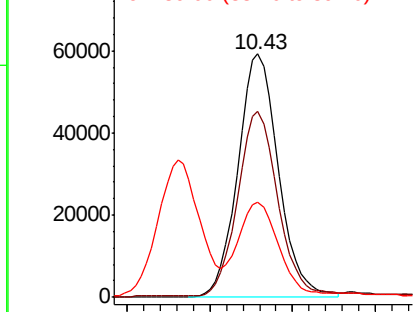
Tot Ion	Ratio	Lower	Upper
69	100		
41	75.7	37.9	113.7
39	37.6	19.8	59.4

Manual Integrations
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MMDadoda
 4/17/2019 4:23:14 AM

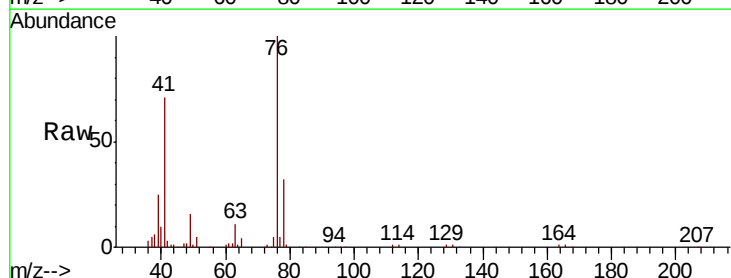


Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

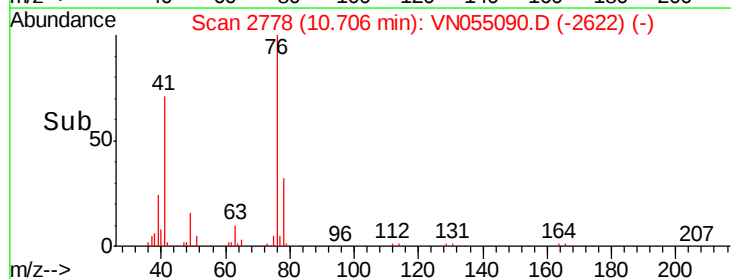
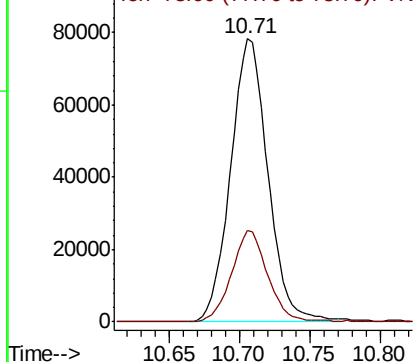


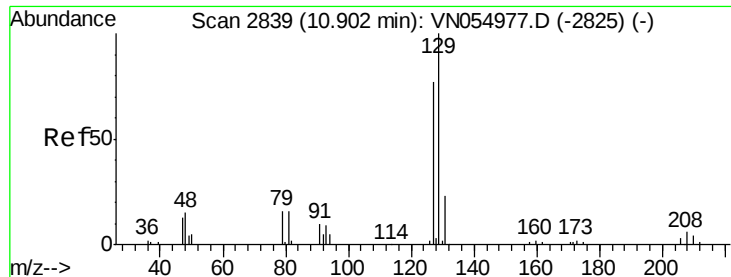
#52
 1,3-Dichloropropane
 Concen: 21.842 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0
 Ion 78.00 (77.70 to 78.70): VN0





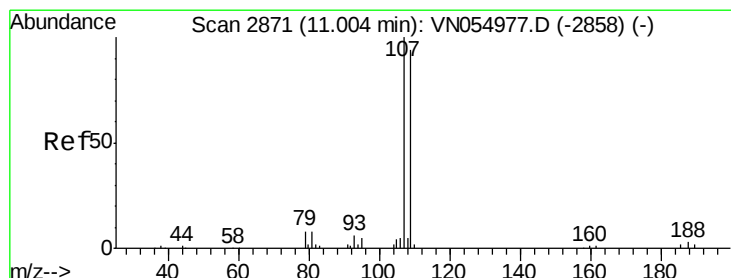
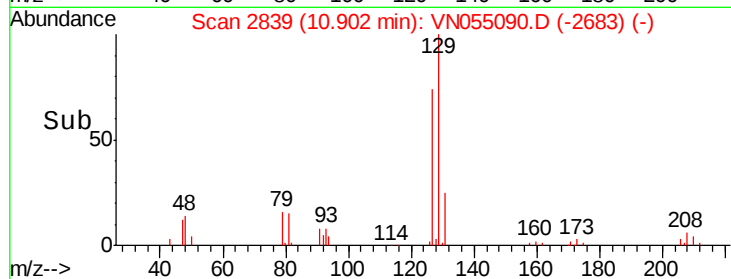
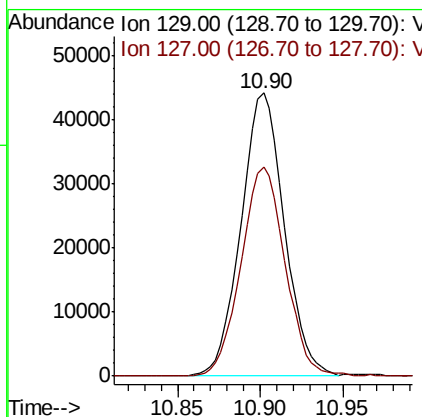
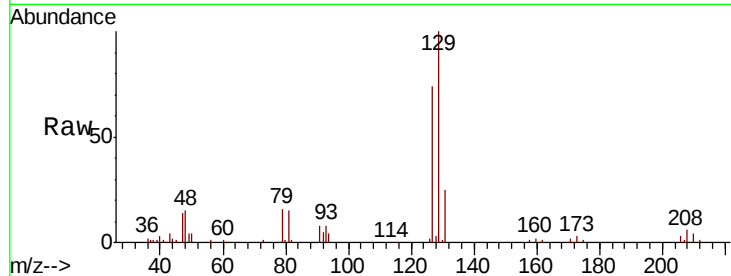
#53
Dibromochloromethane
Concen: 20.547 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	74.7	37.8	113.3	

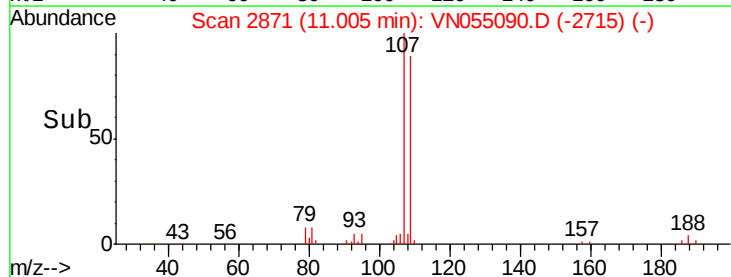
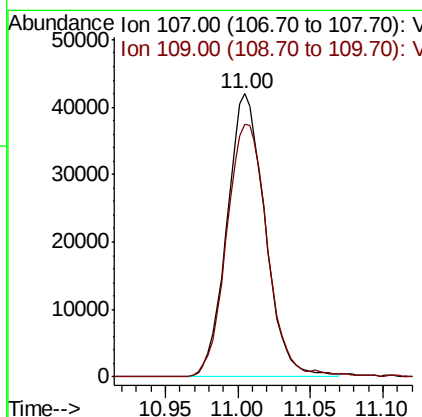
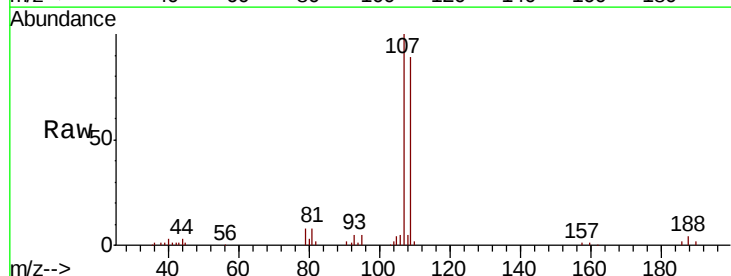
Manual Integrations
APPROVED

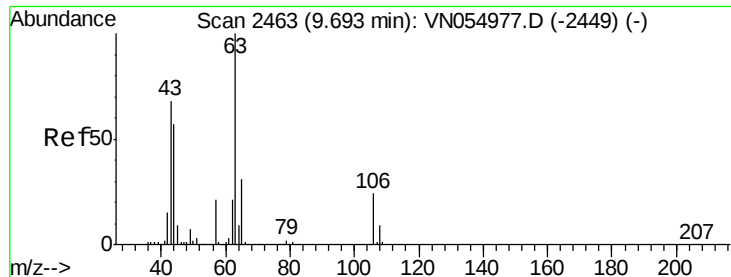
MMDadoda
4/17/2019 4:23:14 AM



#54
1,2-Dibromoethane
Concen: 21.510 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.9	76.2	114.2	





#55

2-Chloroethyl vinyl ether

Concen: 98.673 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

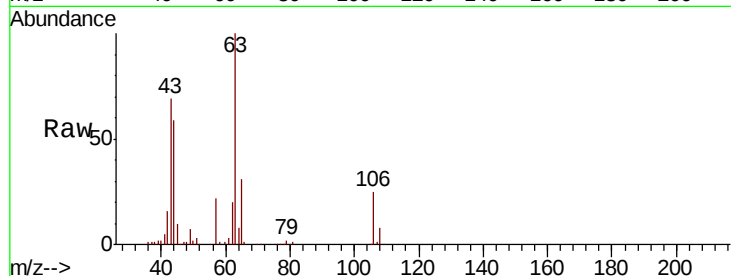
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	186600
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.0
106	24.4	19.8	29.6

Manual Integrations
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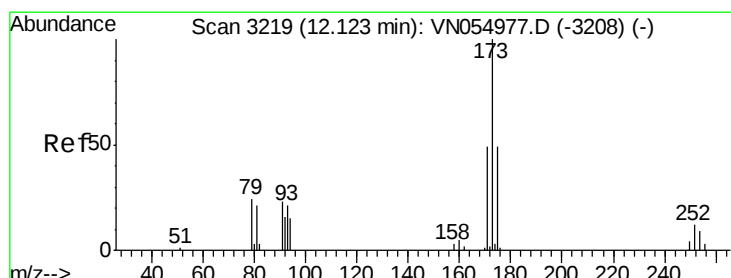
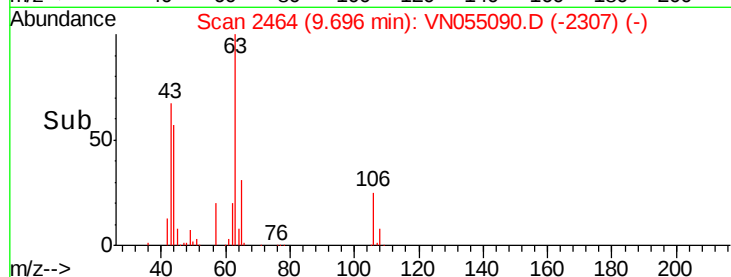
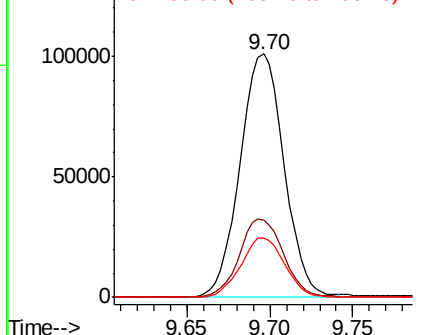


Abundance

Ion 63.00 (62.70 to 63.70): VN054977.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN054977.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN054977.D (-2449) (-)



#56

Bromoform

Concen: 19.656 ug/l

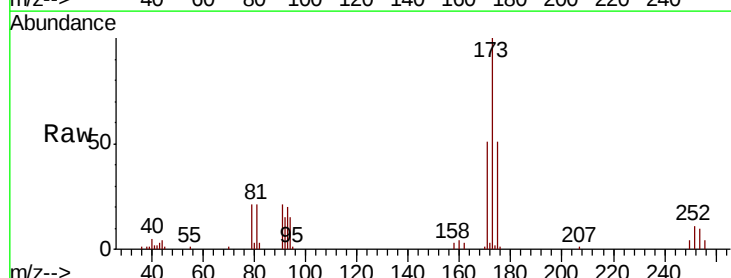
RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion:	173	Resp:	48277
Ion	Ratio	Lower	Upper
173	100		
175	49.9	38.6	57.8
254	9.2	6.8	10.2

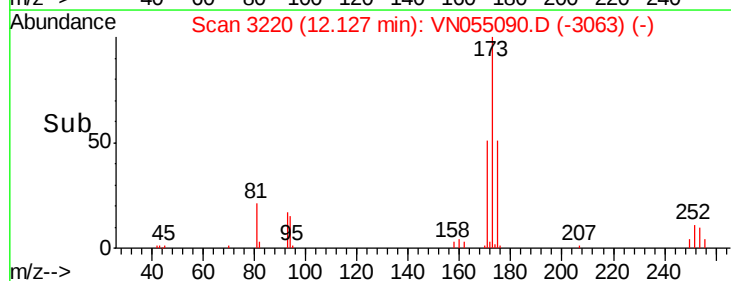
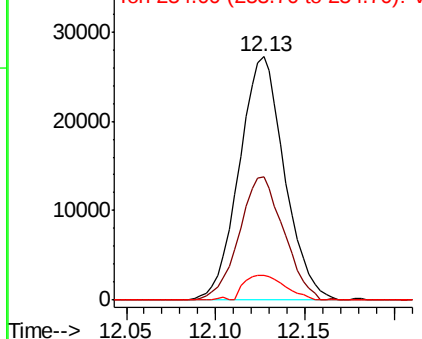


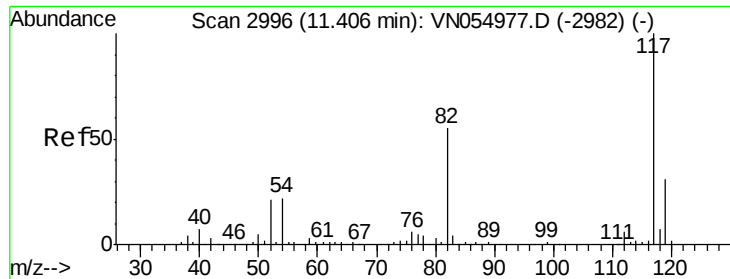
Abundance

Ion 173.00 (172.70 to 173.70): VN054977.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN054977.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN054977.D (-3208) (-)





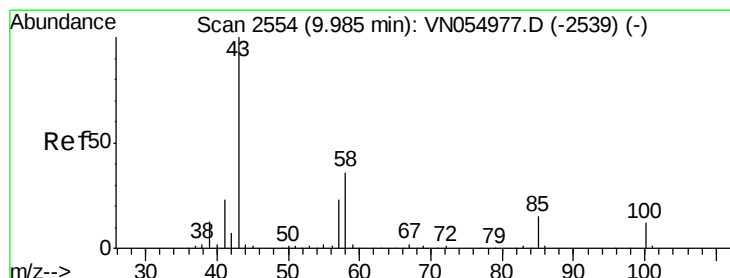
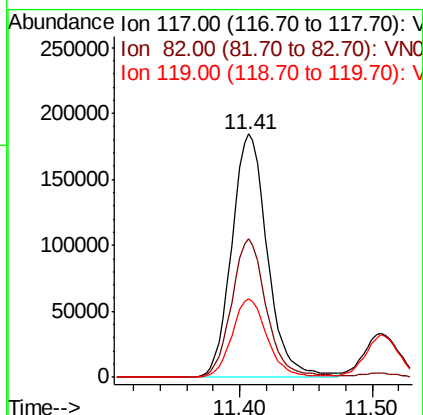
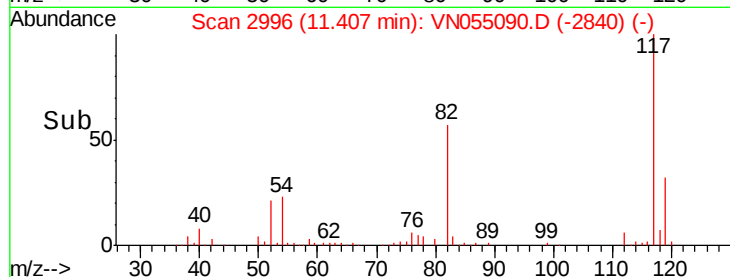
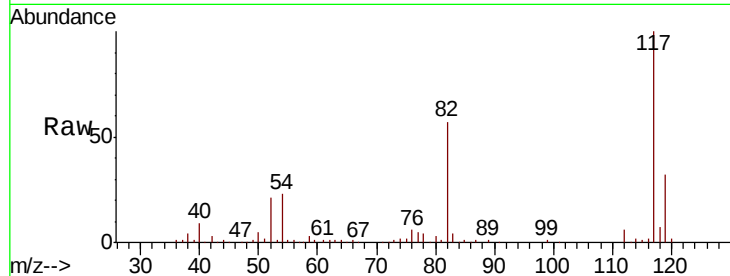
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.2	67.8
119	32.0	25.4	38.2

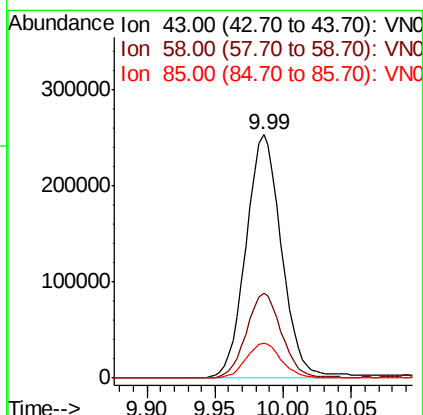
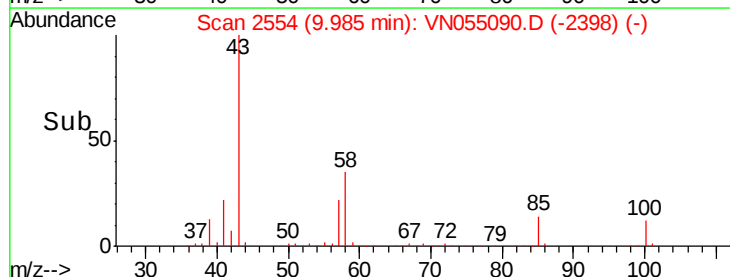
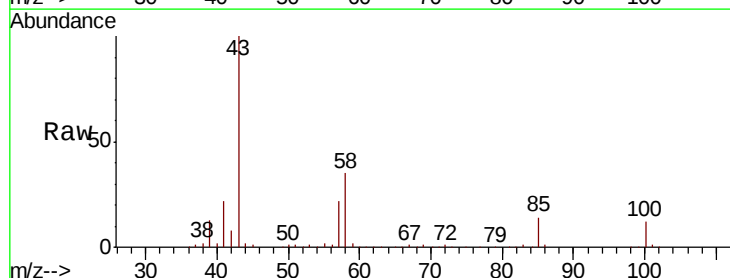
Manual Integrations
APPROVED

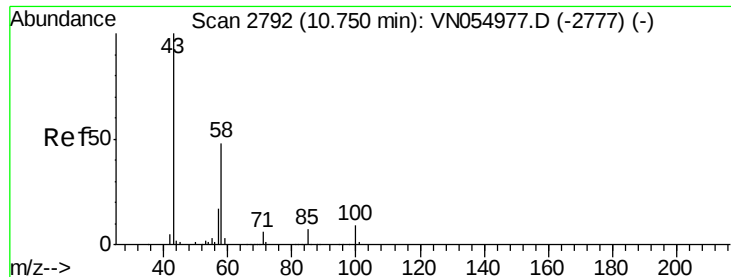
MMDadoda
4/17/2019 4:23:14 AM



#58
4-Methyl-2-Pentanone
Concen: 115.054 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.7	43.1
85	14.3	11.8	17.6





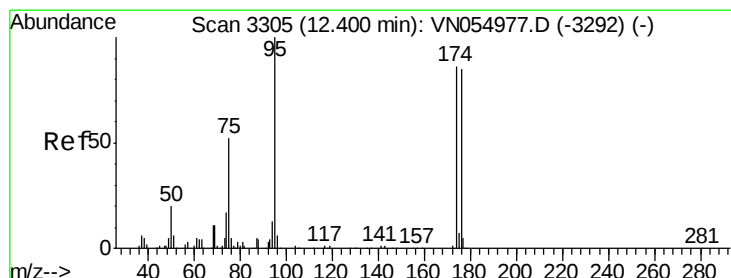
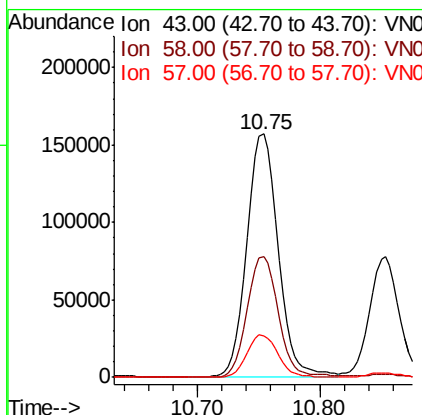
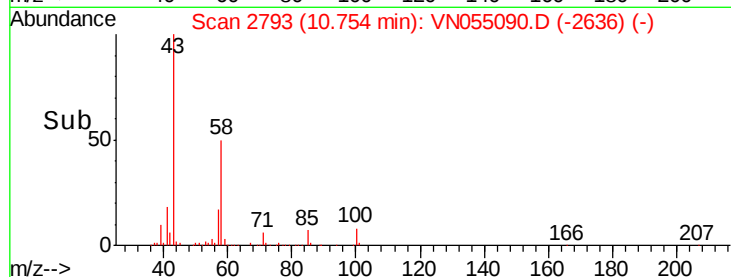
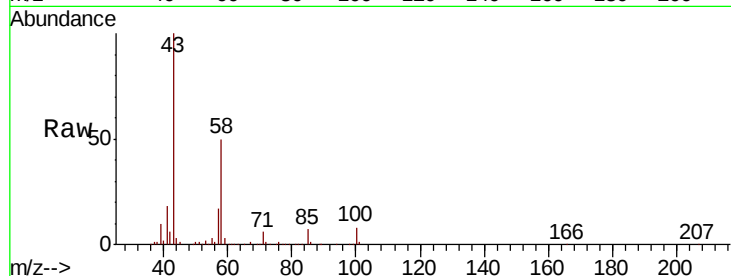
#59
2-Hexanone
Concen: 109.637 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	38.8	58.2
57	17.4	13.8	20.6

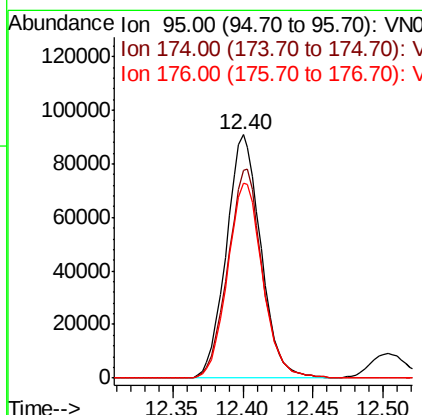
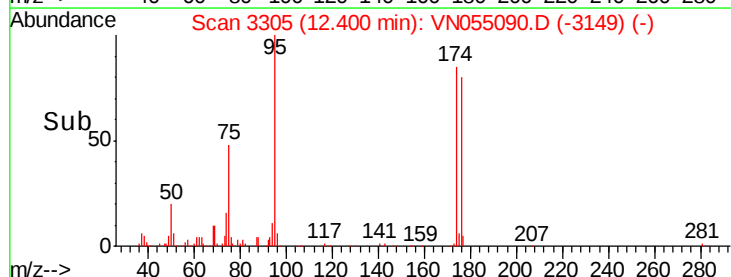
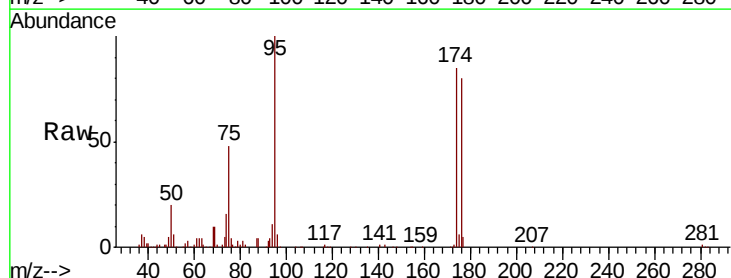
Manual Integrations
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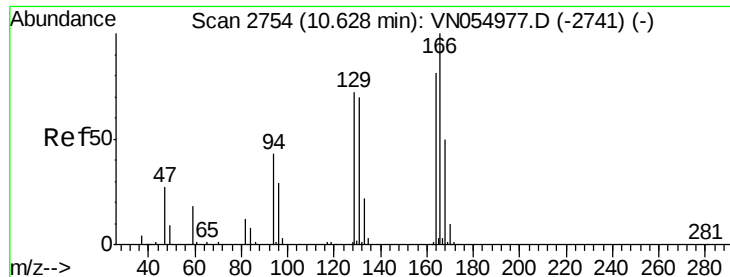
MMDadoda
4/17/2019 4:23:14 AM



#60
4-Bromofluorobenzene
Concen: 109.637 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	69.4	104.2
176	81.0	67.4	101.2





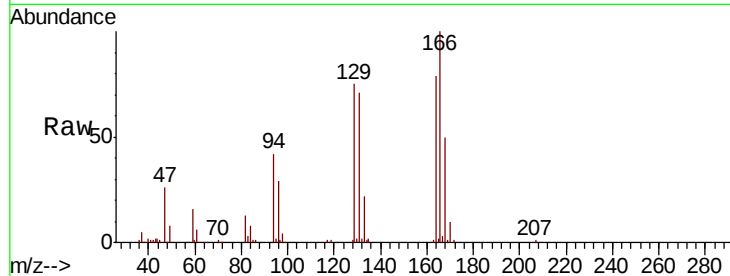
#61
Tetrachloroethene
Concen: 19.693 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.5	99.0	148.4
129	94.6	71.4	107.0
131	89.2	68.8	103.2

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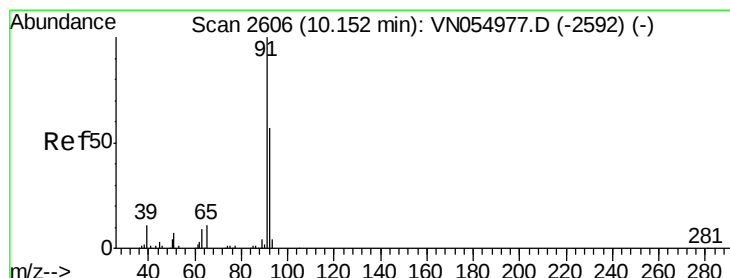
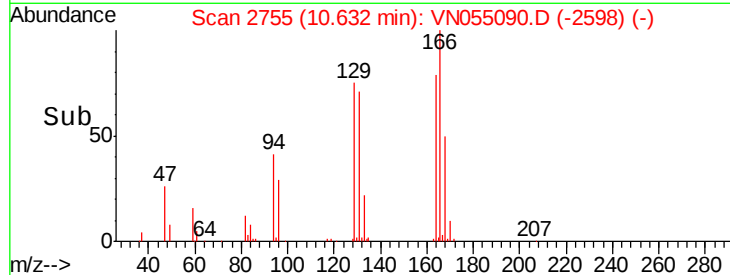
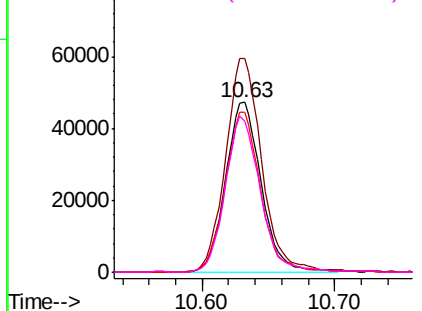
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

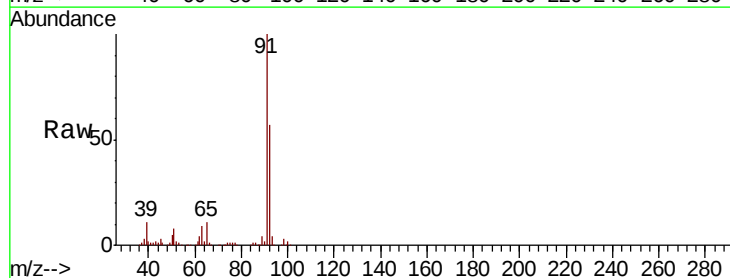
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.493 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

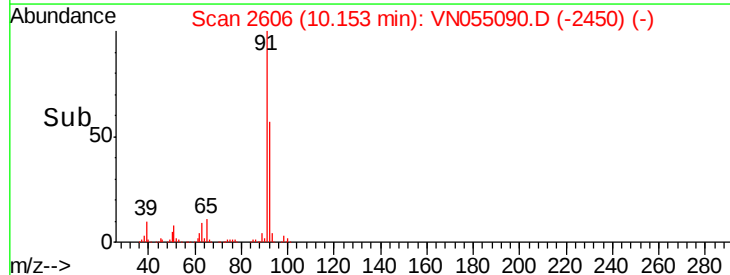
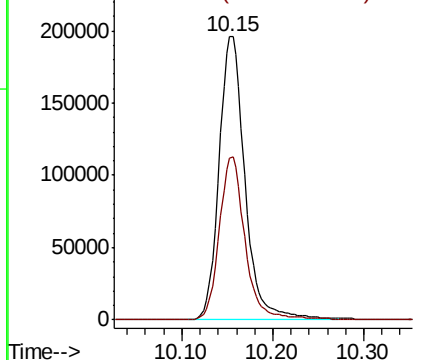
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	44.8	67.2

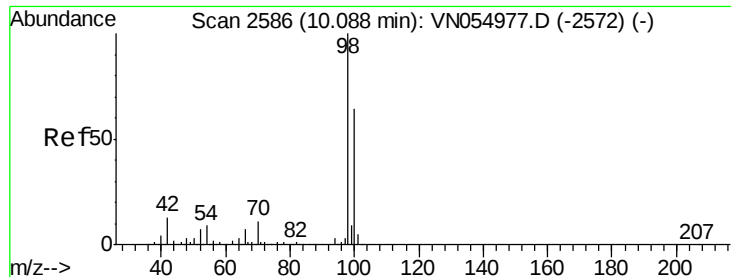


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





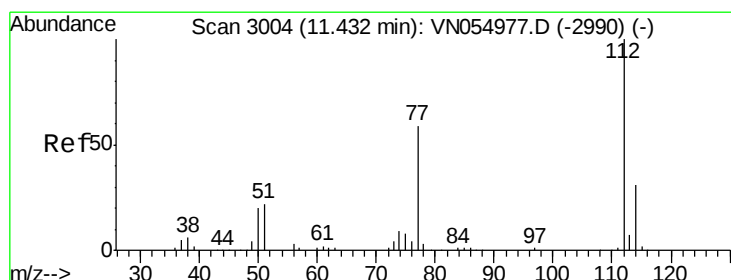
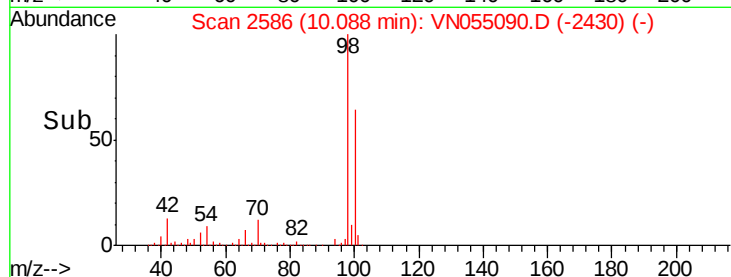
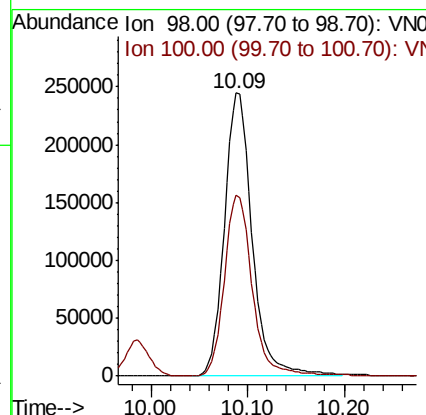
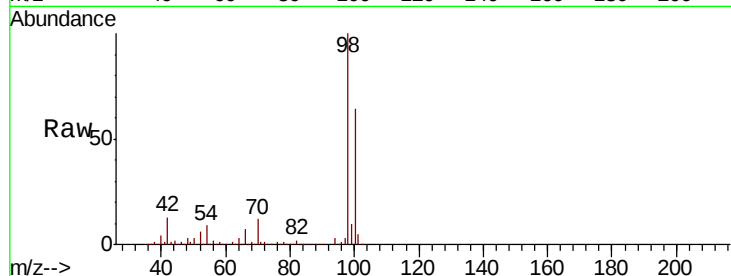
#63
Toluene-d8
Concen: 20.493 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 489451
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

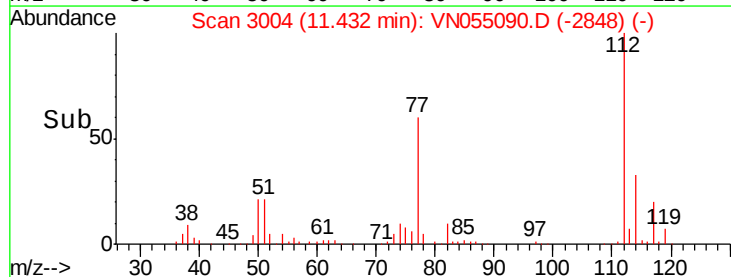
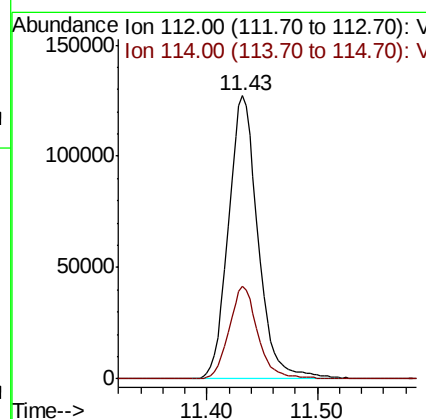
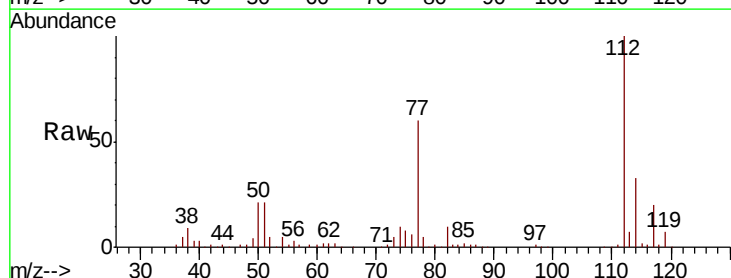
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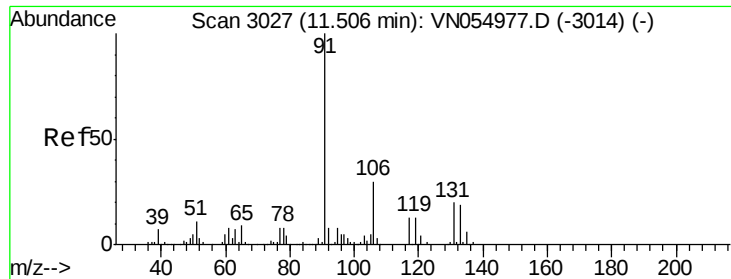
MMDadoda
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#64
Chlorobenzene
Concen: 20.671 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 112 Resp: 237024
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 21.406 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

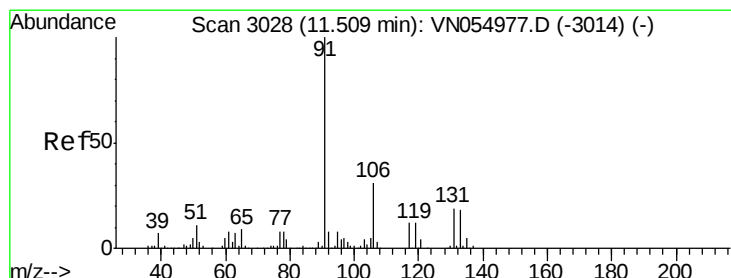
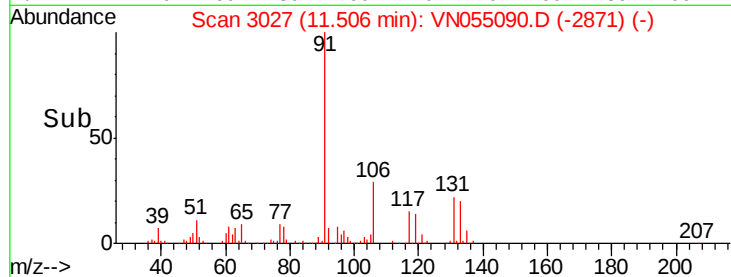
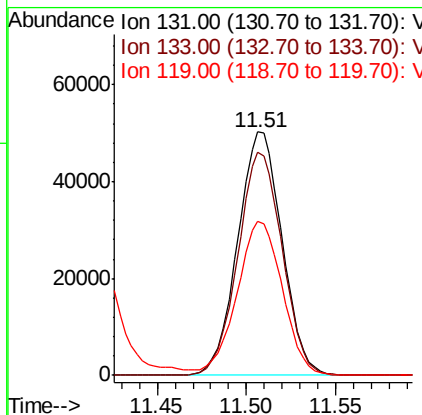
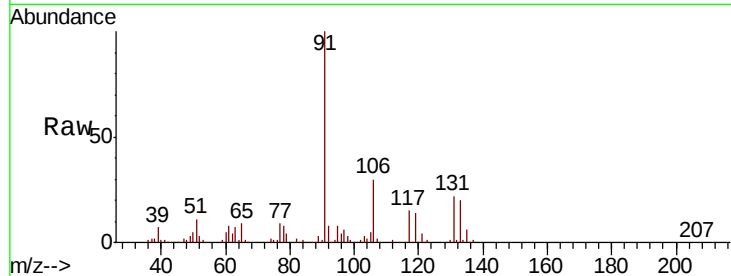
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	87297
Ion Ratio	Lower	Upper	
131	100		
133	91.8	0.0	187.8
119	64.7	0.0	131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.274 ug/l

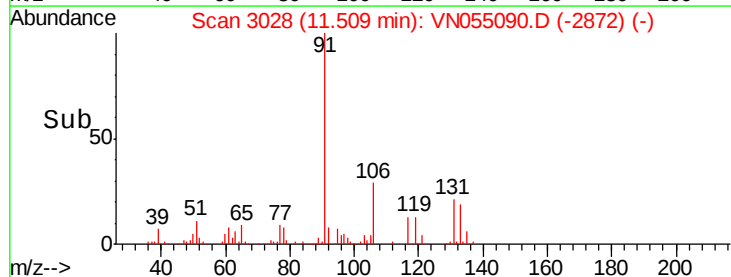
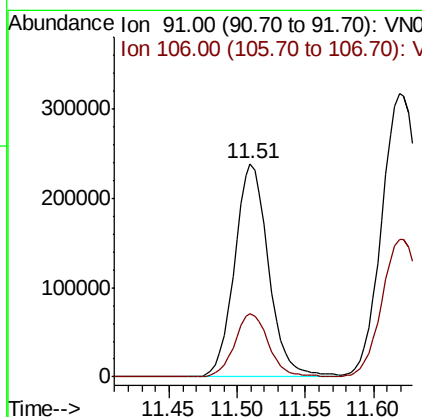
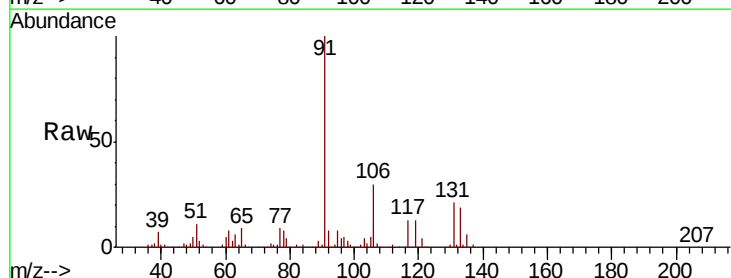
RT: 11.51 min Scan# 3028

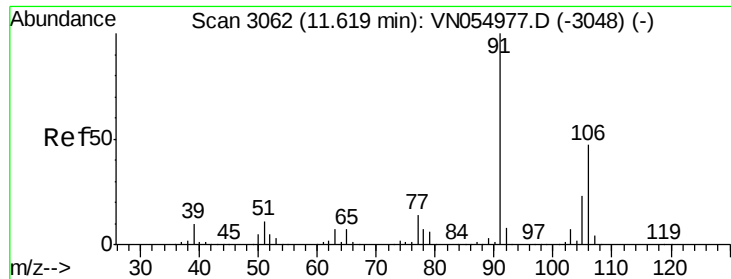
Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion:	91	Resp:	412776
Ion Ratio	Lower	Upper	
91	100		
106	29.8	24.6	36.8





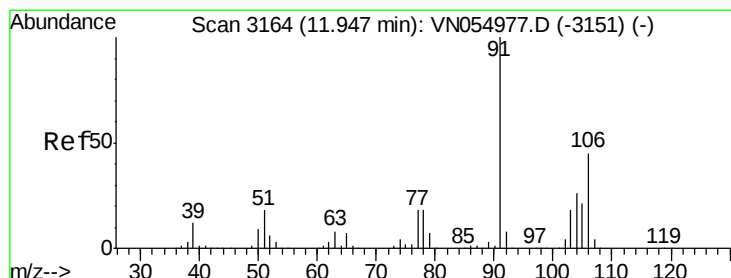
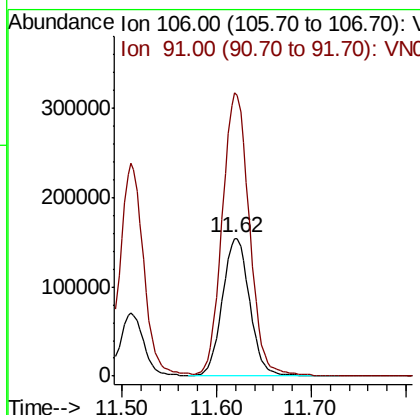
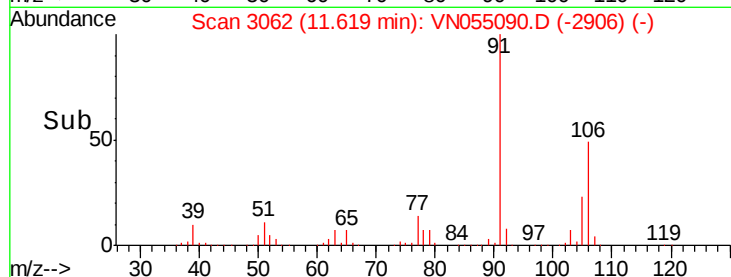
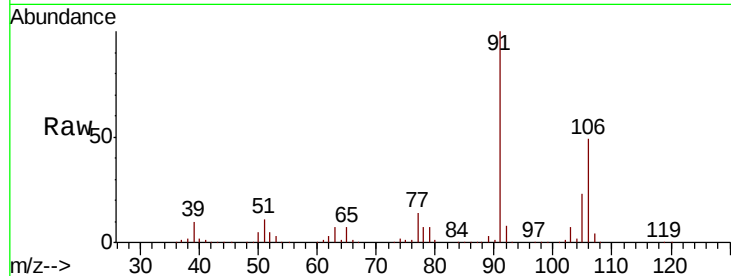
#67
m/p-Xylenes
Concen: 41.050 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 310667
Ion Ratio Lower Upper
106 100
91 204.9 167.4 251.2

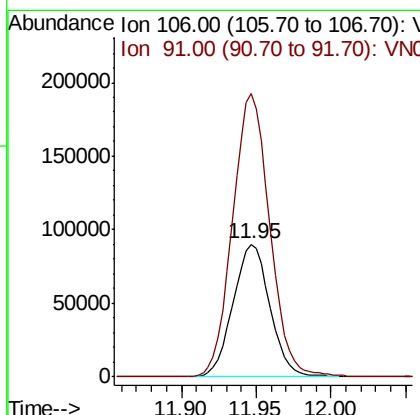
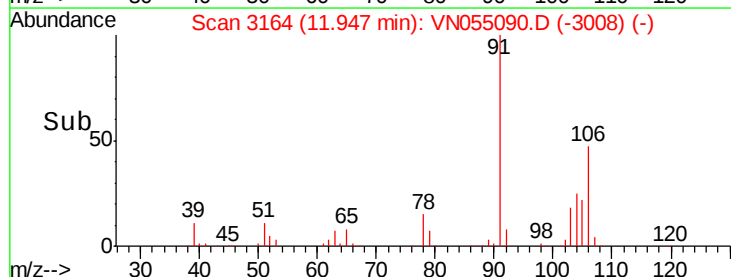
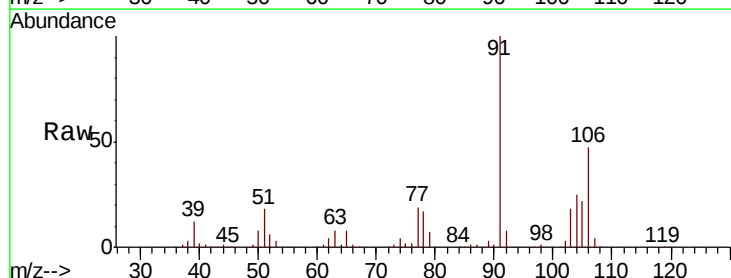
Manual Integrations
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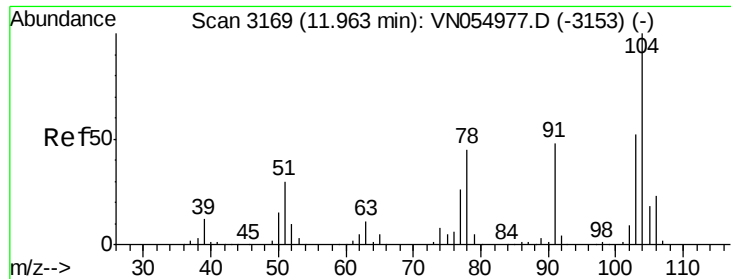
MMDadoda
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#68
o-Xylene
Concen: 20.691 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion:106 Resp: 154747
Ion Ratio Lower Upper
106 100
91 215.9 110.3 330.8





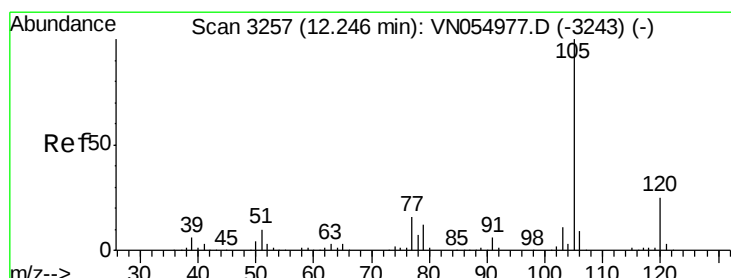
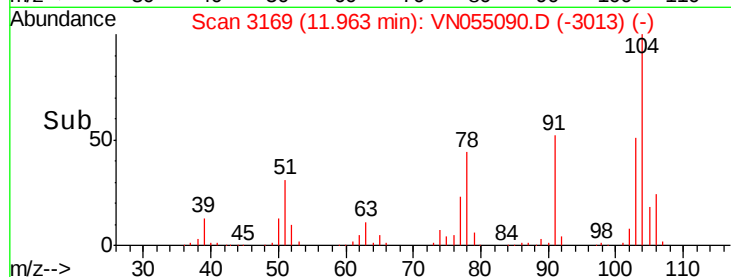
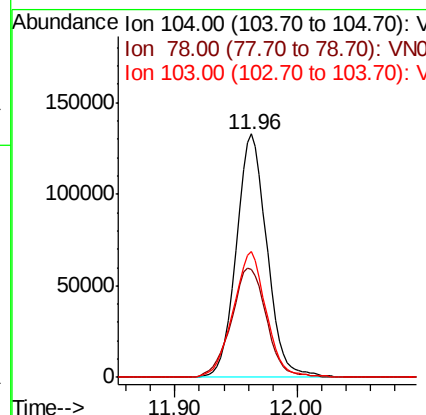
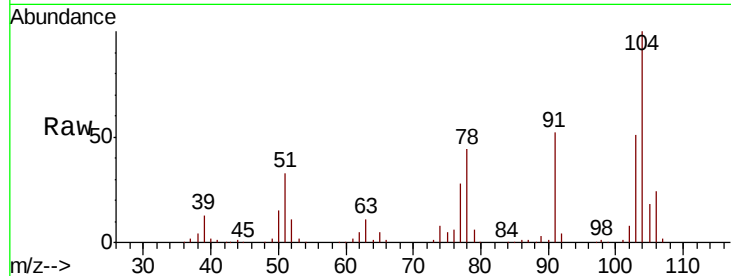
#69
Stvrene
Concen: 19.990 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.2	61.8
103	56.0	44.6	67.0

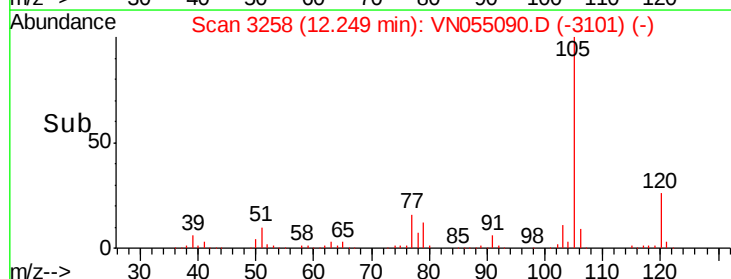
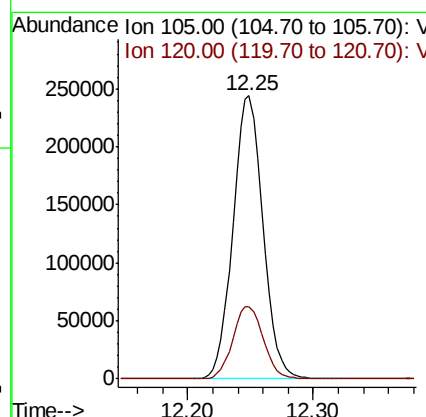
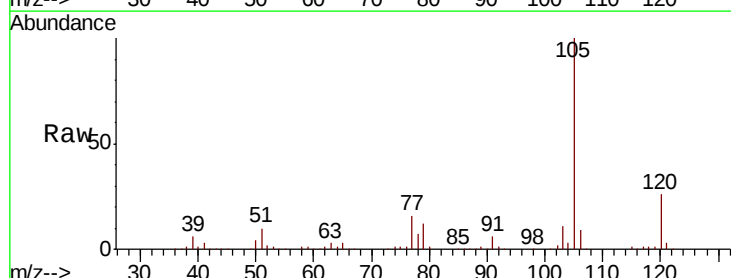
Manual Integrations
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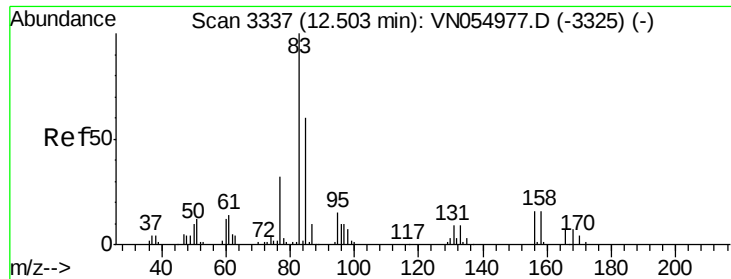
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#70
Isopropylbenzene
Concen: 20.210 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.3	33.9





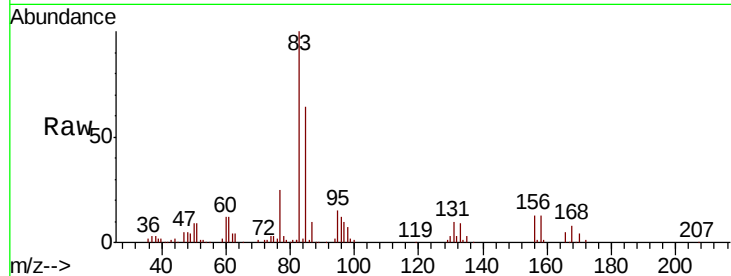
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.475 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	102788
Ion Ratio	100	Lower	Upper
83	100		
131	10.1	4.6	13.8
85	63.8	30.9	92.5

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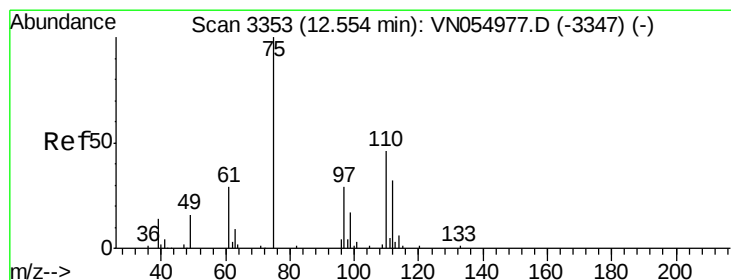
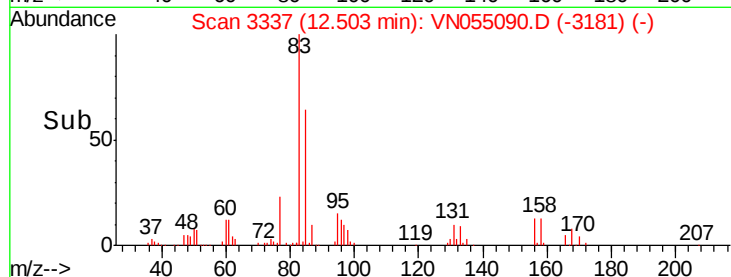
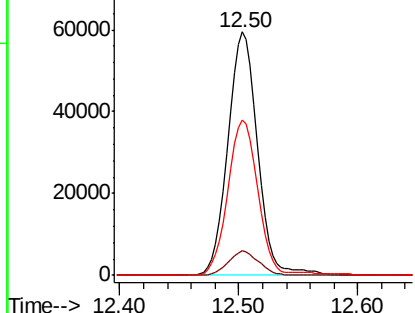


Abundance

Ion 83.00 (82.70 to 83.70): VN054977.D (-3325) (-)

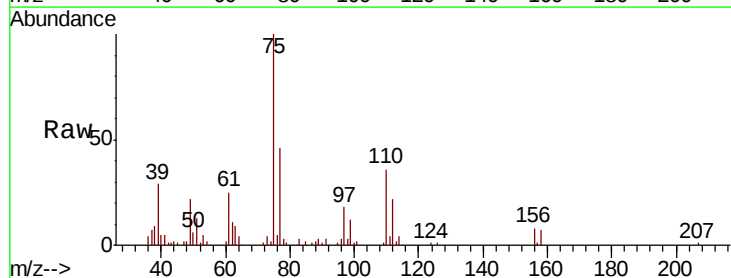
Ion 131.00 (130.70 to 131.70): VN054977.D (-3325) (-)

Ion 85.00 (84.70 to 85.70): VN054977.D (-3325) (-)



#72
 1,2,3-Trichloropropane
 Concen: 23.094 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

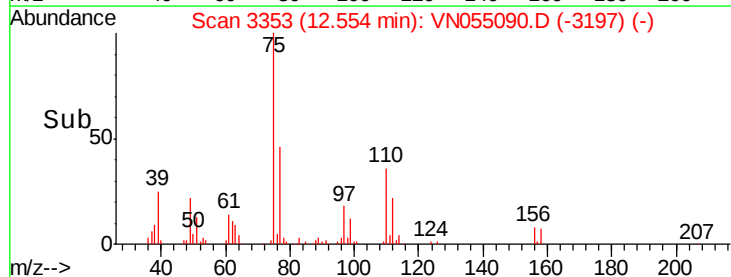
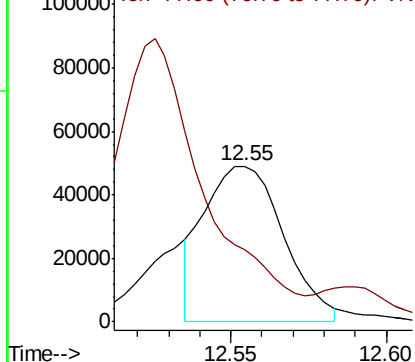
Tgt Ion	75	Resp	87225
Ion Ratio	100	Lower	Upper
75	100		
77	210.2	0.0	466.6

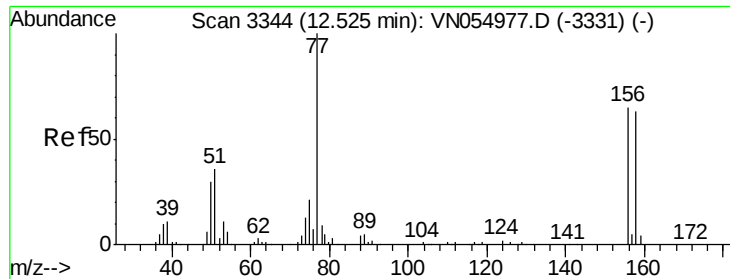


Abundance

Ion 75.00 (74.70 to 75.70): VN054977.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN054977.D (-3347) (-)





#73

Bromobenzene

Concen: 19.985 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

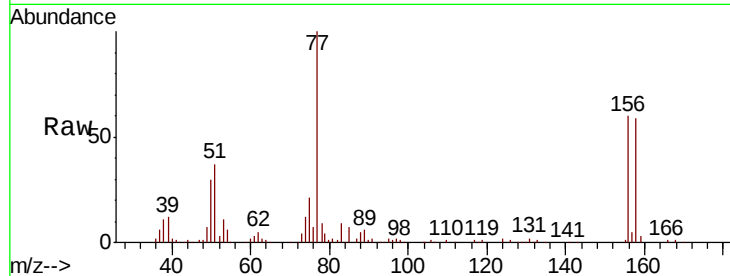
ClientSampleId :

VSTDCCC020EC

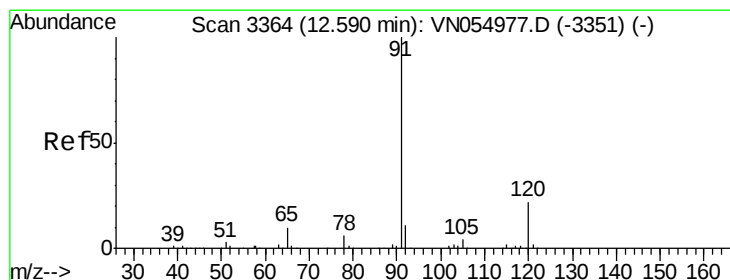
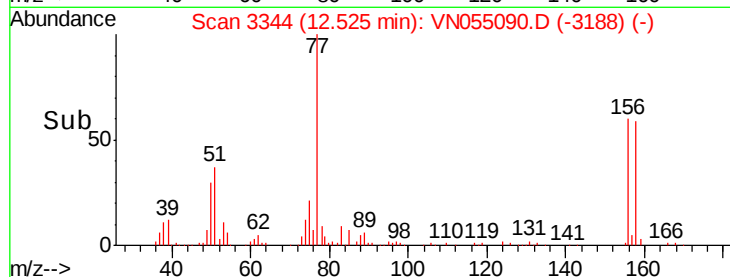
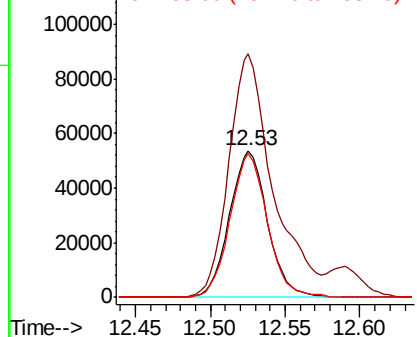
Tot Ion:	156	Resp:	94454
Ion	Ratio	Lower	Upper
156	100		
77	194.1	0.0	383.2
158	96.9	0.0	193.8

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.738 ug/l

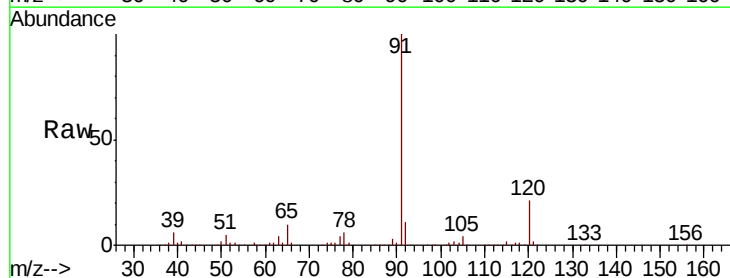
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

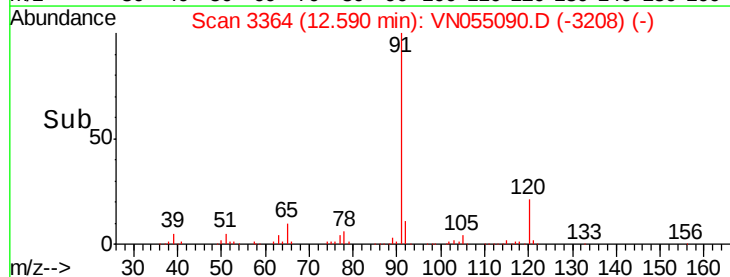
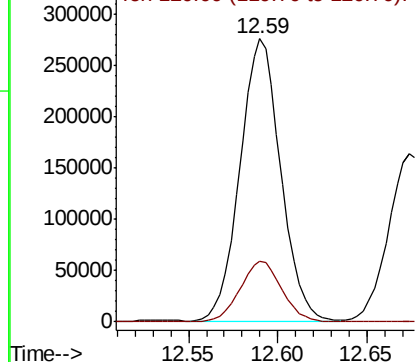
Lab File: VN055090.D

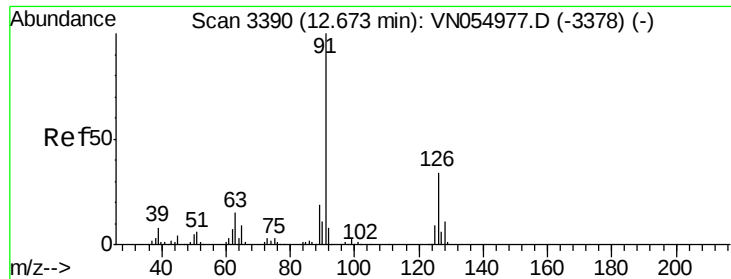
Acq: 16 Apr 2019 20:23

Tgt Ion:	91	Resp:	441855
Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	44.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.548 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 277425

Ion Ratio Lower Upper

91 100

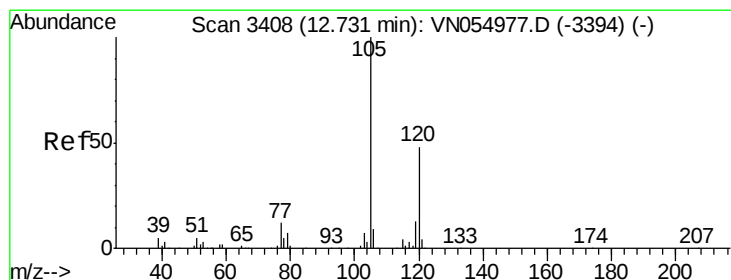
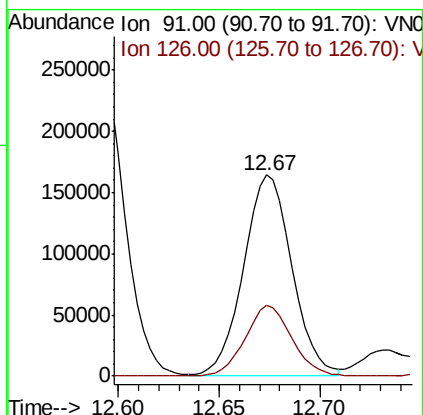
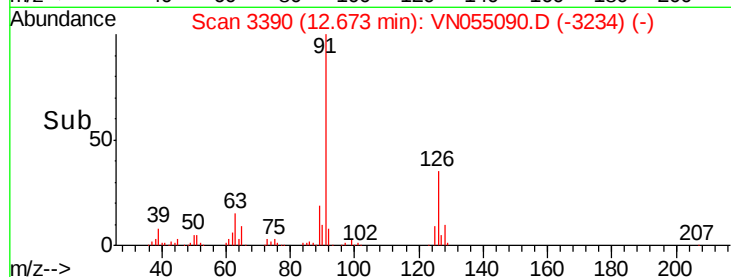
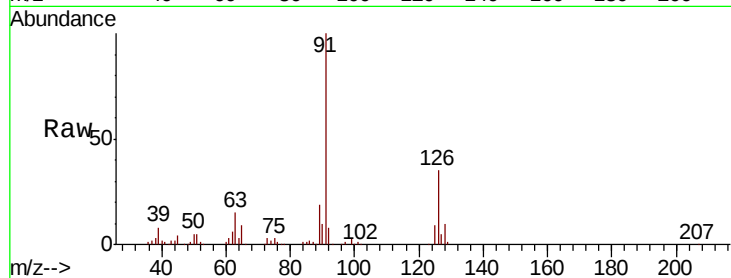
126 33.6 0.0 67.4

Manual Integrations

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MMDadoda

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#76

1,3,5-Trimethylbenzene

Concen: 20.060 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055090.D

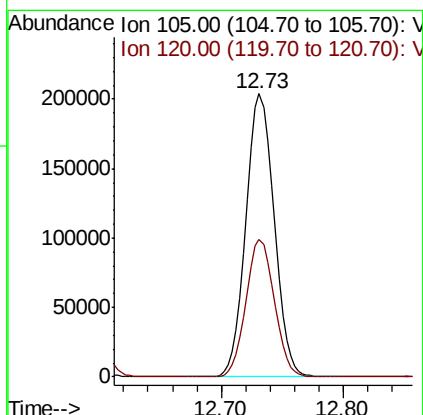
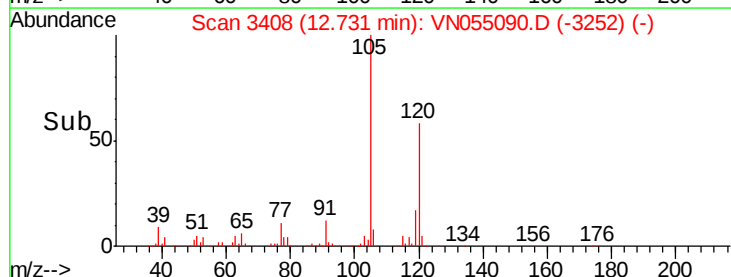
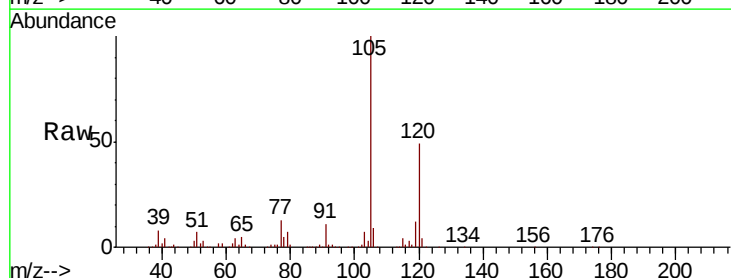
Acq: 16 Apr 2019 20:23

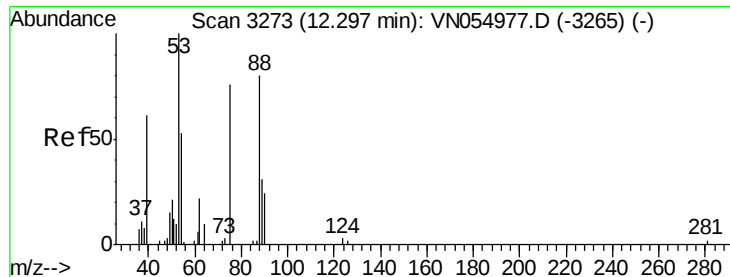
Tgt Ion: 105 Resp: 324288

Ion Ratio Lower Upper

105 100

120 48.7 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 20.362 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

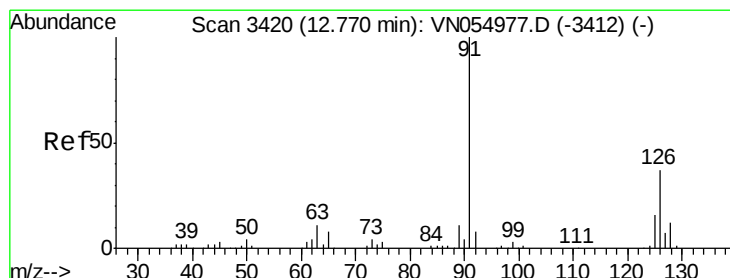
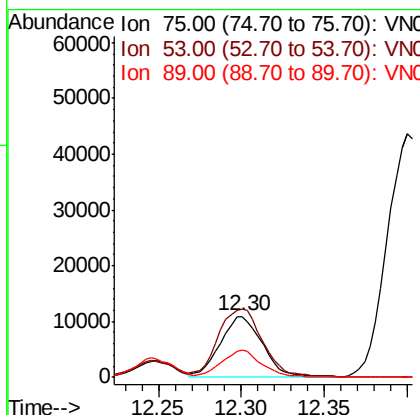
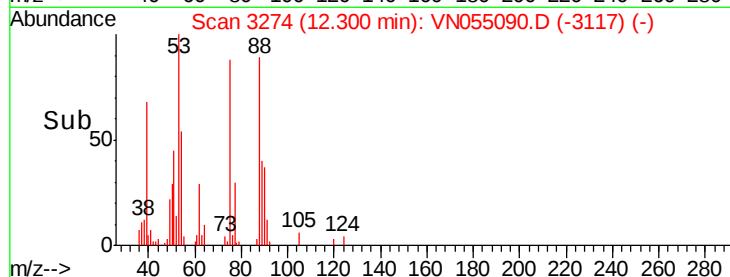
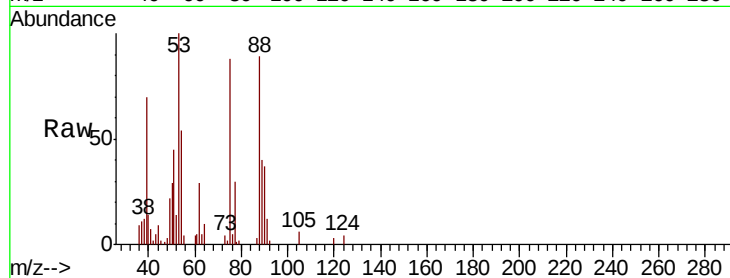
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	19386
Ion	Ratio	Lower	Upper
75	100		
53	113.1	64.3	192.7
89	45.4	21.6	65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.865 ug/l

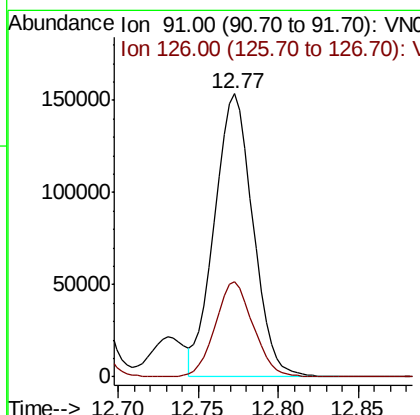
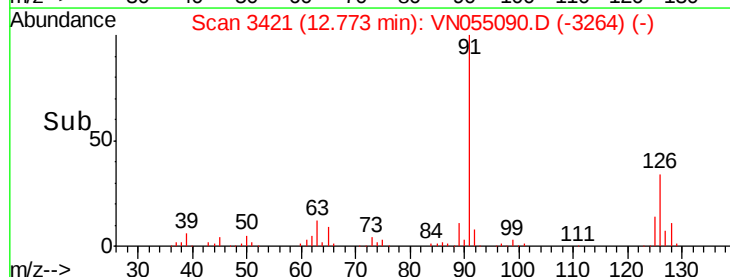
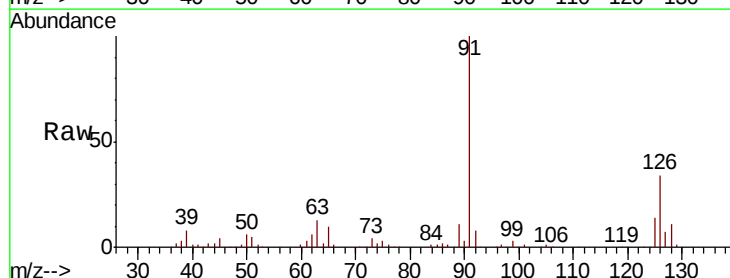
RT: 12.77 min Scan# 3421

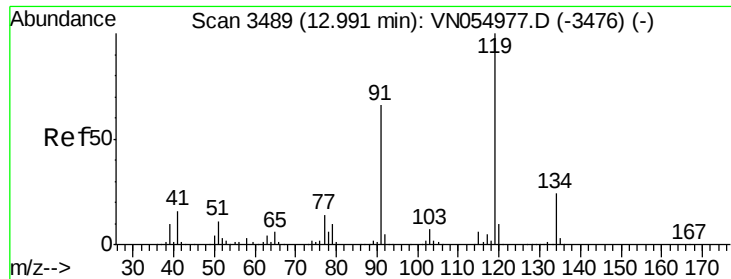
Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion:	91	Resp:	255546
Ion	Ratio	Lower	Upper
91	100		
126	33.0	0.0	66.6





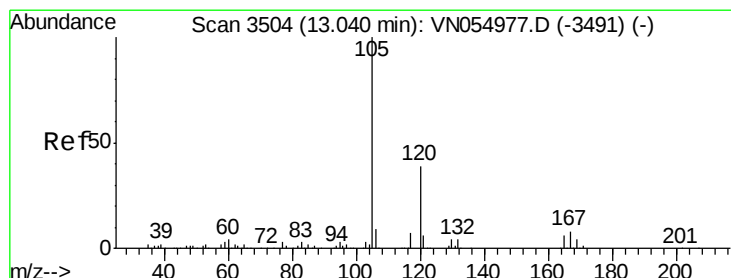
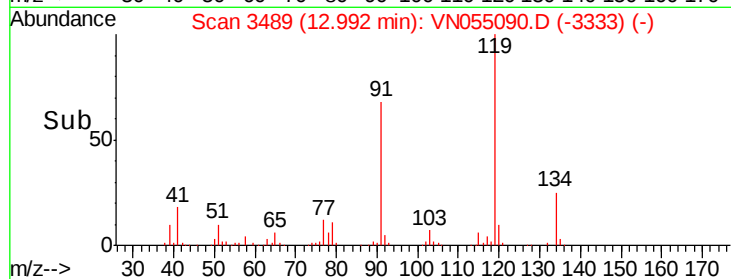
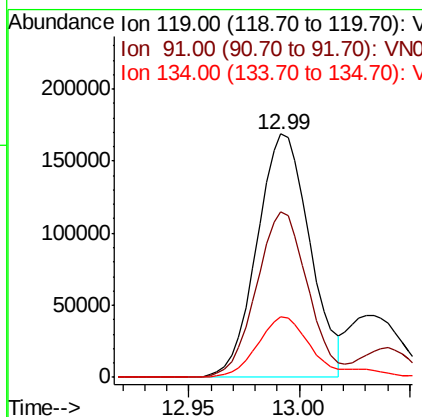
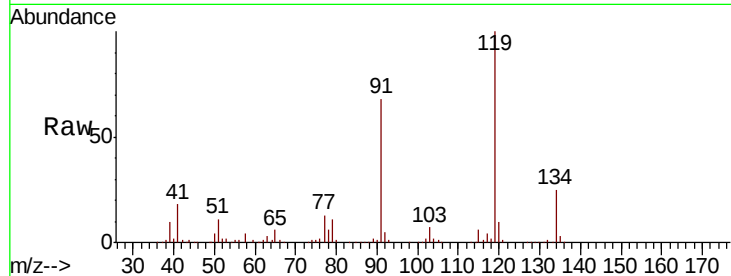
#79
tert-butylbenzene
Concen: 20.090 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281028		
91	66.1	0.0	132.6	
134	24.4	0.0	47.6	

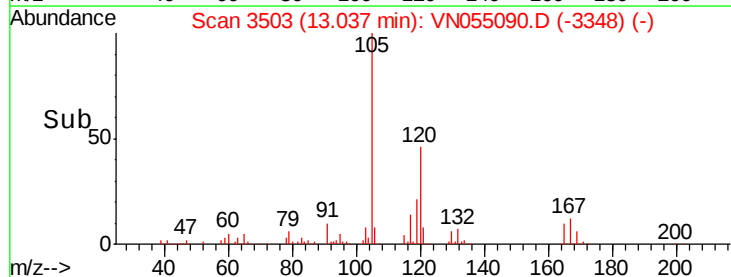
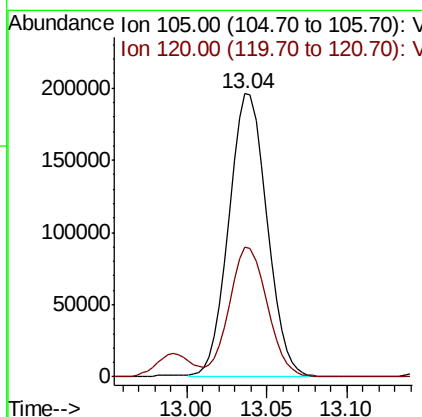
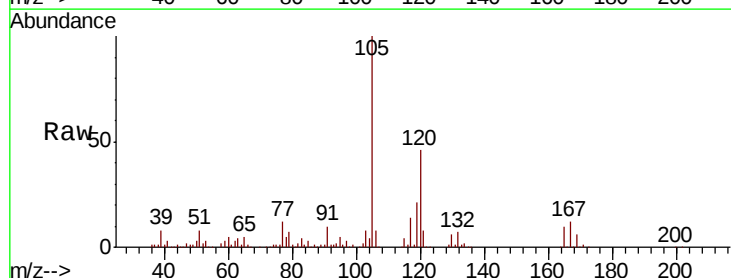
Manual Integrations
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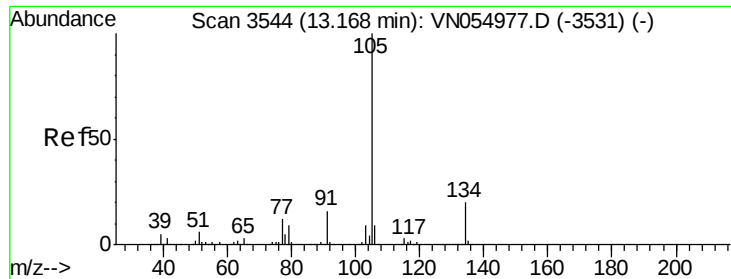
MMDadoda
4/17/2019 4:23:14 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.113 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	319425		
120	45.6	0.0	91.4	





#81

sec-Butylbenzene

Concen: 19.640 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 367093

Ion Ratio Lower Upper

105 100

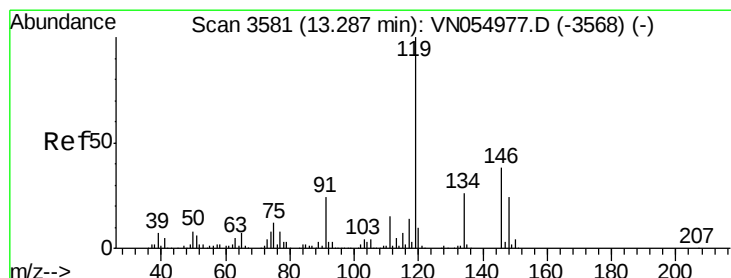
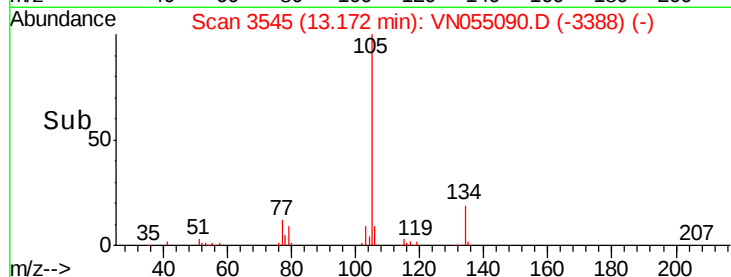
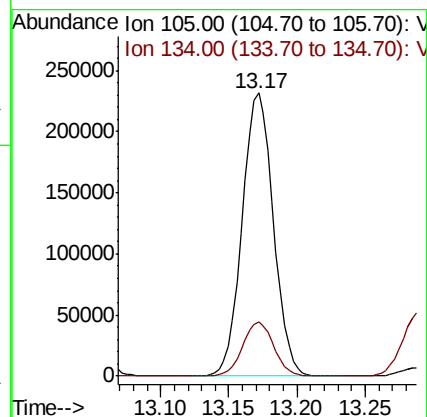
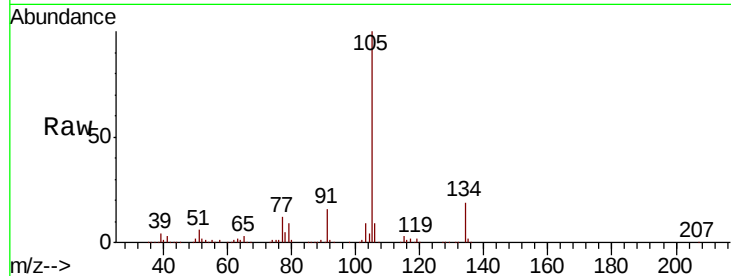
134 19.2 0.0 40.0

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.412 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

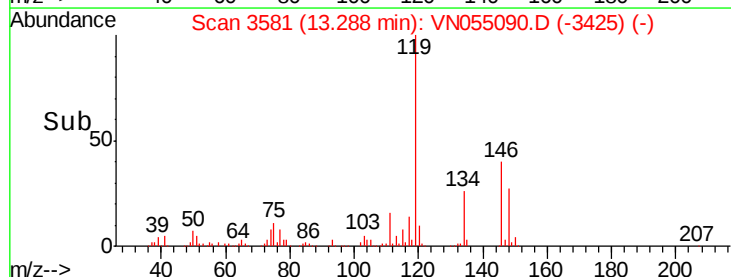
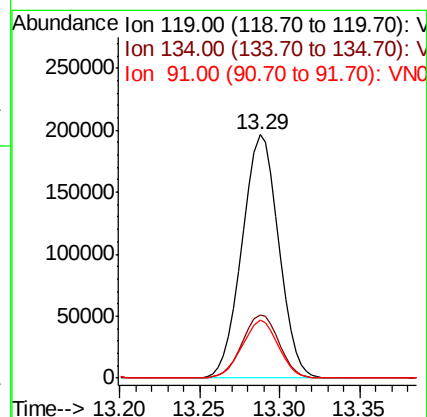
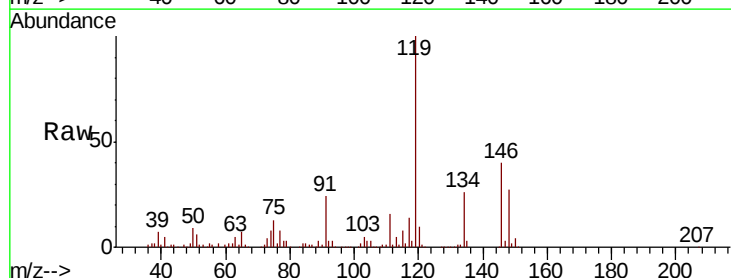
Tgt Ion:119 Resp: 306207

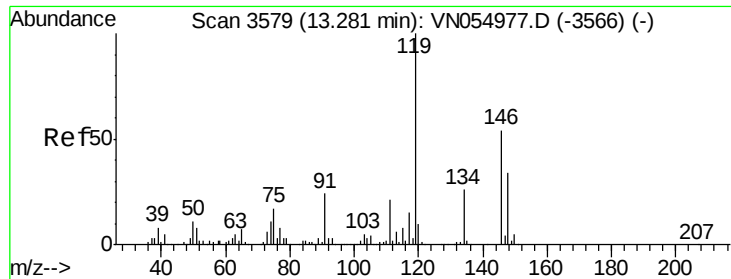
Ion Ratio Lower Upper

119 100

134 26.1 0.0 53.2

91 23.5 0.0 47.8





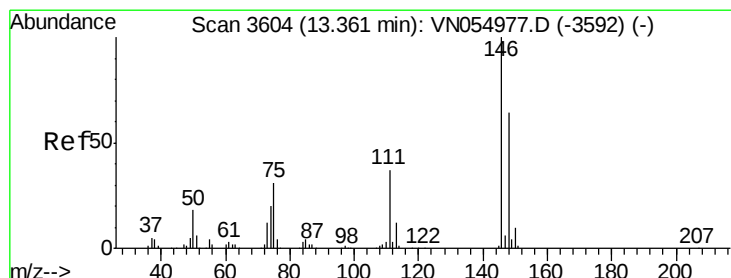
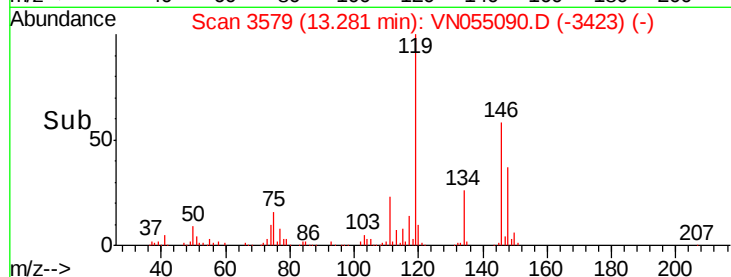
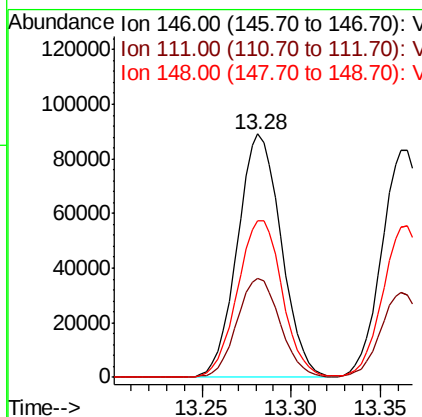
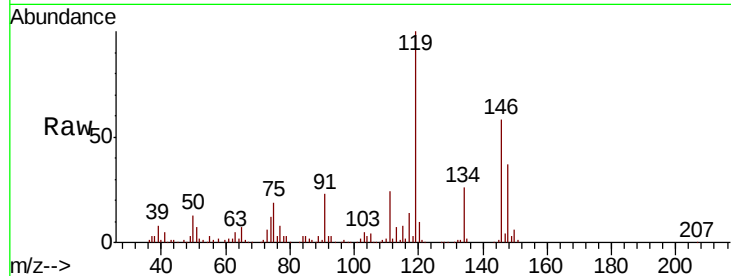
#83
 1,3-Dichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.1	57.5
148	65.9	31.9	95.5

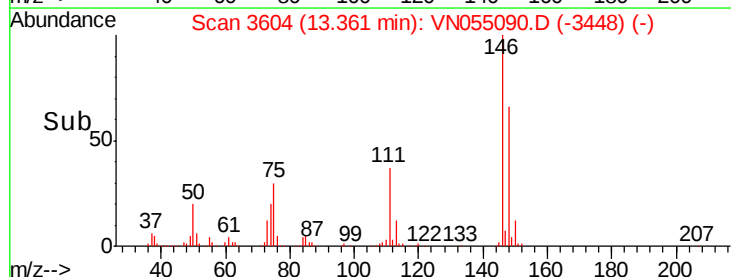
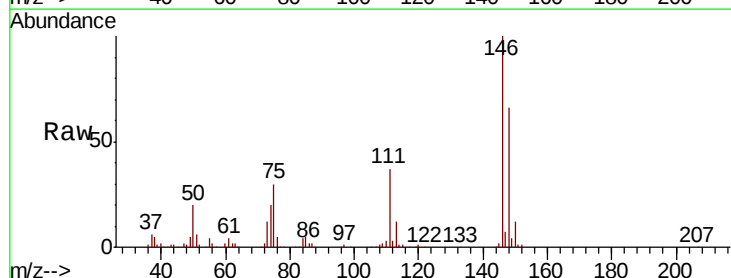
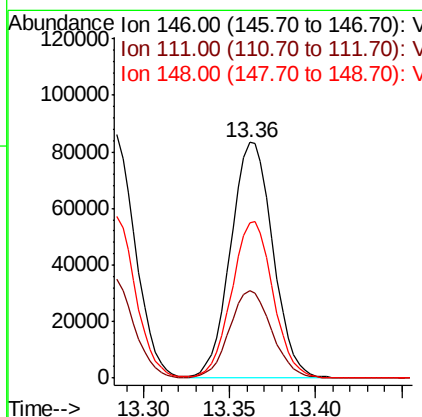
Manual Integrations
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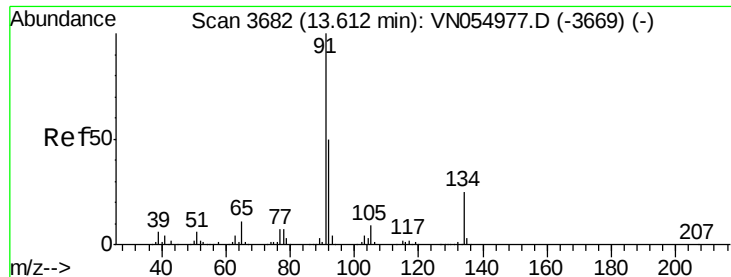
MMDadoda
 4/17/2019 4:23:14 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.952 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.2
148	65.1	32.5	97.4





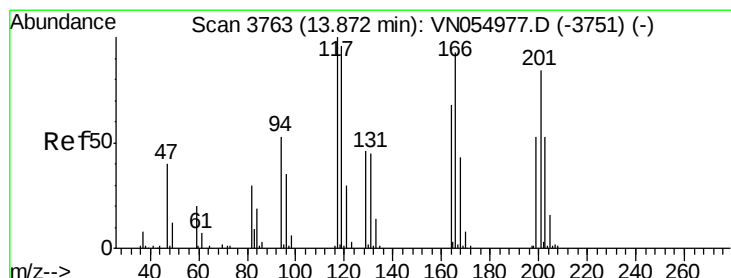
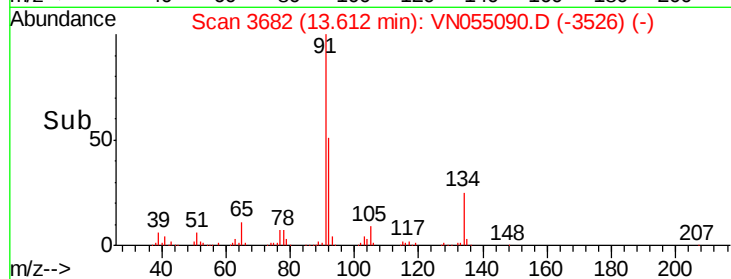
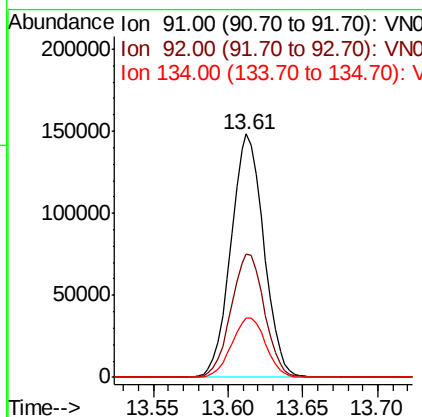
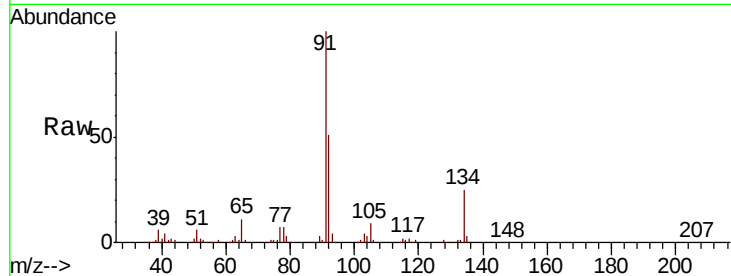
#85
n-Butylbenzene
Concen: 18.057 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	226895		
92	51.6	0.0	101.4	
134	25.3	0.0	49.8	

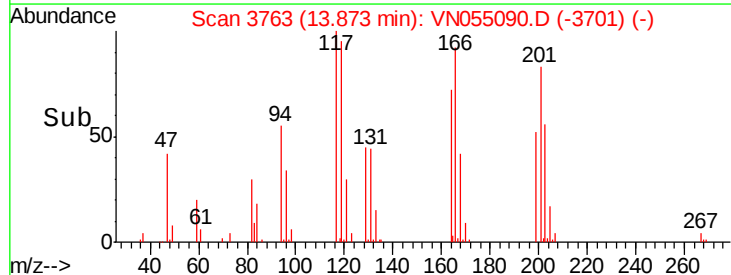
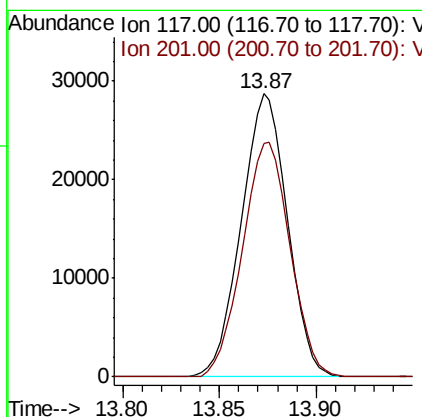
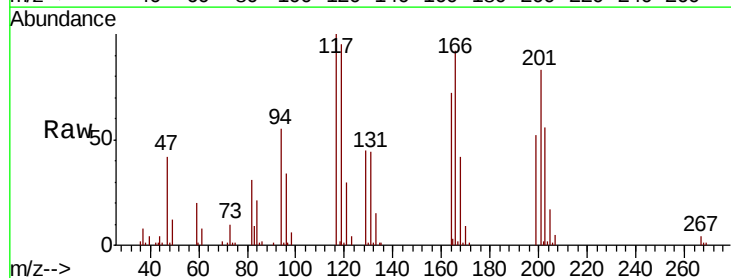
Manual Integrations
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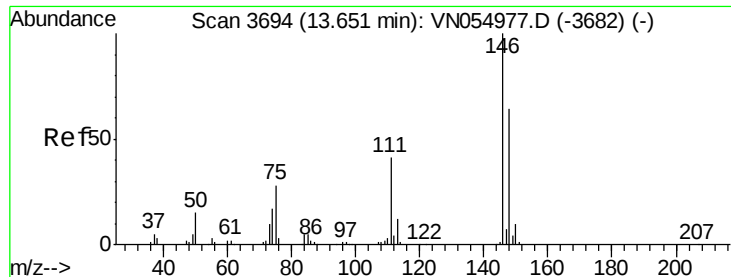
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#86
Hexachloroethane
Concen: 18.852 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47604		
201	85.6	42.8	128.3	





#87

1,2-Dichlorobenzene

Concen: 20.063 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

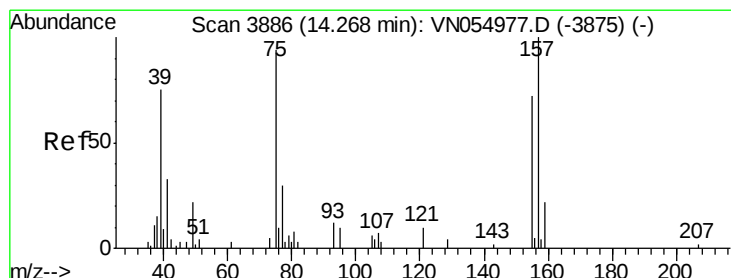
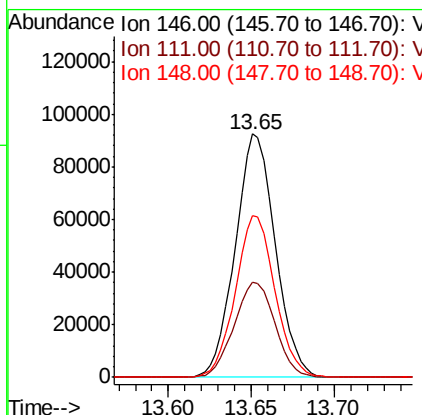
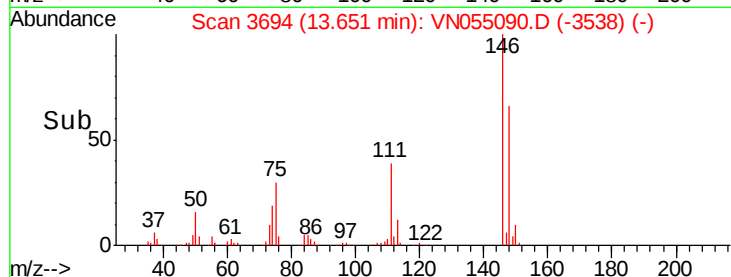
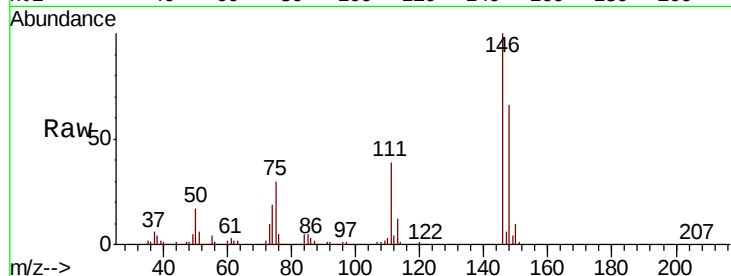
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	155355
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.3	60.8
148	65.5	32.5	97.5

Manual Integrations
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4/17/2019 4:23:14 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.232 ug/l

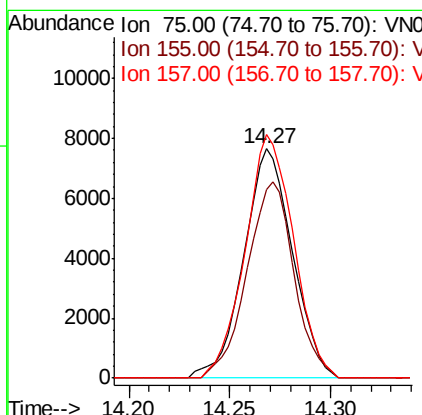
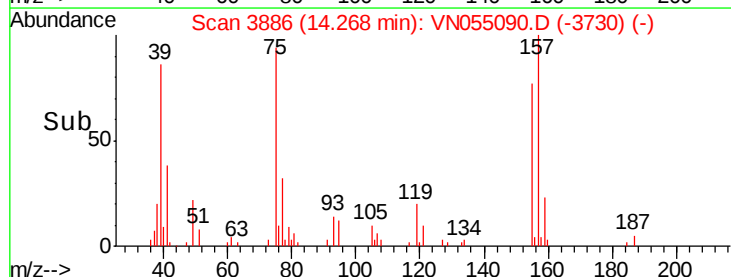
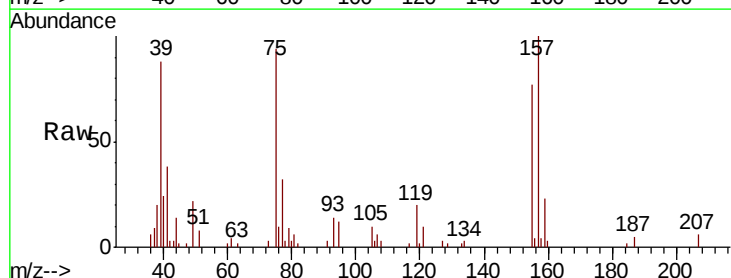
RT: 14.27 min Scan# 3886

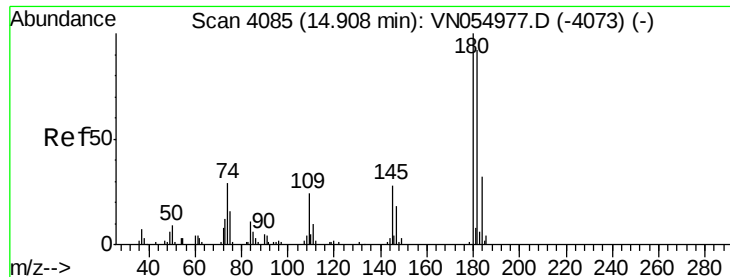
Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion:	75	Resp:	12906
Ion Ratio	Lower	Upper	
75	100		
155	82.8	61.8	92.8
157	105.4	82.7	124.1





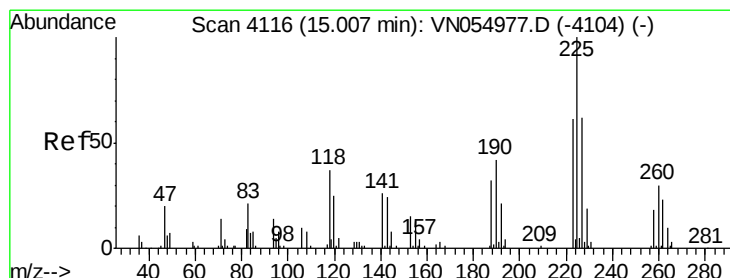
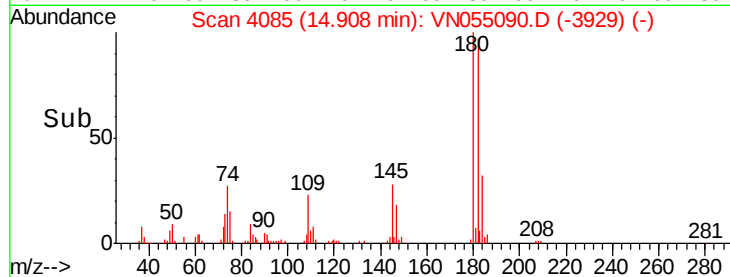
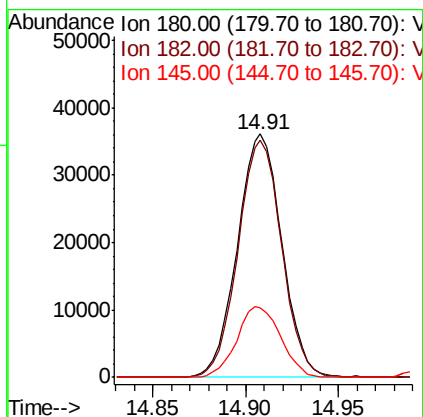
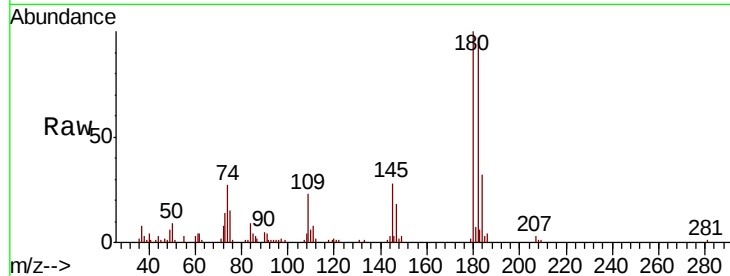
#89
 1,2,4-Trichlorobenzene
 Concen: 17.386 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	180	Resp:	60189
Ion Ratio	Lower	Upper	
180	100		
182	95.6	73.2	109.8
145	28.6	23.2	34.8

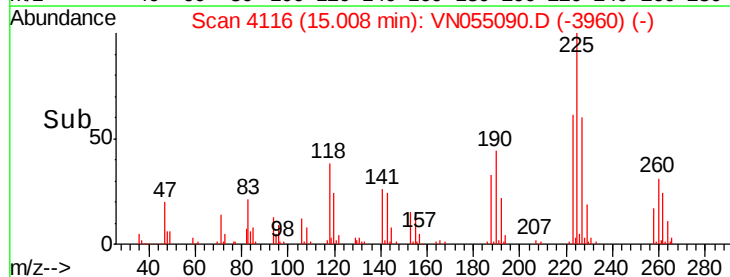
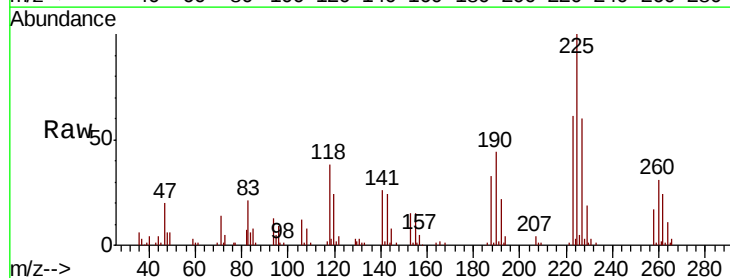
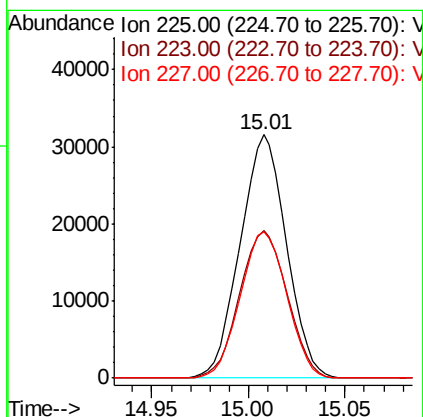
Manual Integrations
 APPROVED

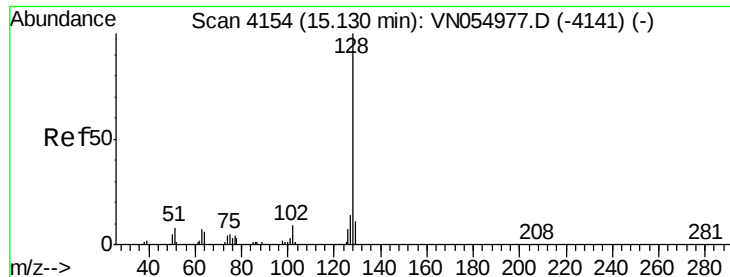
MMDadoda
 4/17/2019 4:23:14 AM



#90
 Hexachlorobutadiene
 Concen: 20.784 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion:	225	Resp:	52459
Ion Ratio	Lower	Upper	
225	100		
223	62.2	0.0	126.0
227	60.4	0.0	125.4





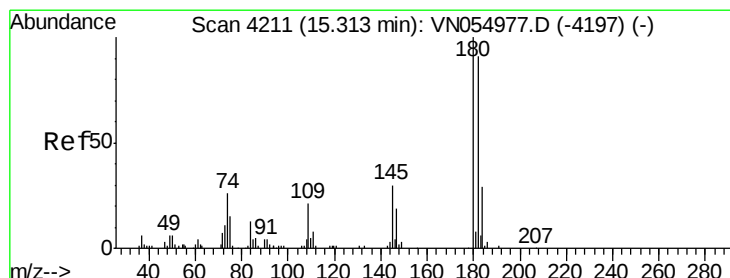
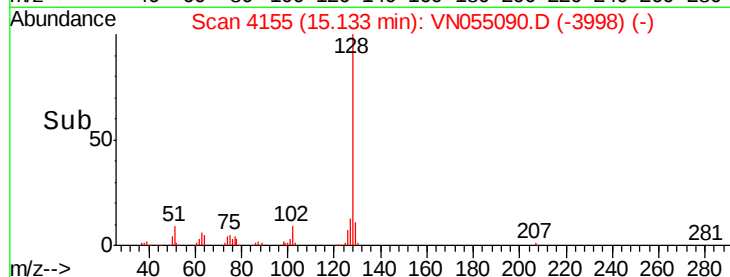
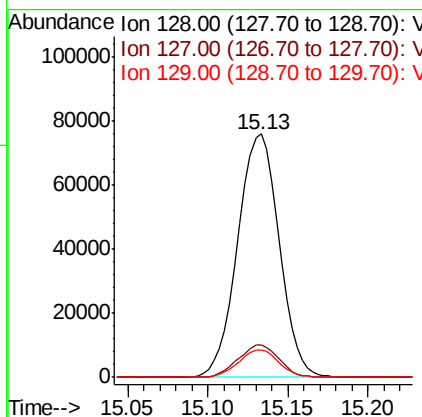
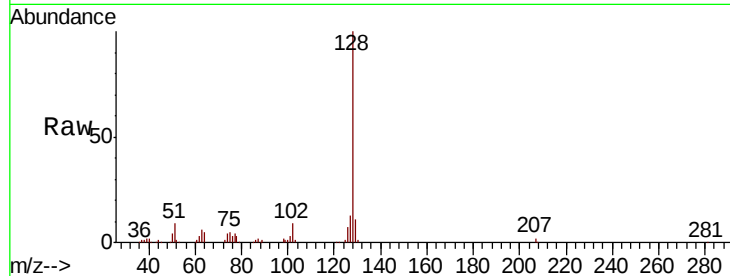
#91
Naphthalene
Concen: 18.559 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:23:14 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.648 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	188.2
145	31.4	0.0	61.2

