

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041619\
 Data File : VN055075.D
 Acq On : 16 Apr 2019 13:48
 Operator : JC/SP
 Sample : VN0416WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0416WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:23:03 AM

Quant Time: Apr 17 01:56:40 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	69319	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	374967	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	328733	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	158403	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	12.40	95	152897	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	474657	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	78967	19.369	ug/l 99
3) Chloromethane	2.06	50	112995	20.517	ug/l 98
4) Vinyl Chloride	2.19	62	91743	19.263	ug/l 96
5) Bromomethane	2.53	94	50381	18.289	ug/l 96
6) Chloroethane	2.69	64	52149	19.551	ug/l 99
7) Trichlorofluoromethane	3.01	101	116458	19.136	ug/l 95
8) Diethyl Ether	3.41	74	38801	19.857	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	62929	18.916	ug/l 98
10) 1,1-Dichloroethene	3.72	96	56214	18.276	ug/l 96
11) Methyl Iodide	3.94	142	114508	24.601	ug/l 93
12) Methyl Acetate	4.33	43	88551	23.406	ug/l 95
13) Acrolein	3.60	56	30957	93.366	ug/l 100
14) Acrylonitrile	4.99	53	167061	107.784	ug/l 97
15) Acetone	3.82	58	31875	83.107	ug/l 88
16) Carbon Disulfide	4.04	76	186915	18.117	ug/l 97
17) Allyl chloride	4.31	41	147051	19.414	ug/l 98
18) Methylene Chloride	4.54	84	91111	20.040	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	79212	19.784	ug/l 92
20) Diisopropyl ether	5.96	45	314564	20.500	ug/l 99
21) 1,1-Dichloroethane	5.84	63	165505	20.194	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	93299	20.048	ug/l 99
23) tert-Butyl Alcohol	4.82	59	21606	87.423	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	215944	20.909	ug/l # 64
25) Chloroform	7.37	83	158587	20.201	ug/l 98
26) Cyclohexane	7.65	56	146743	19.297	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	113877	19.501	ug/l 98
30) 2-Butanone	6.85	43	198743	102.528	ug/l 97
31) 2,2-Dichloropropane	6.82	77	104295	19.405	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	124790	20.217	ug/l 98
33) Carbon Tetrachloride	7.77	117	102866	19.249	ug/l 98
34) Benzene	8.04	78	350571	20.258	ug/l 99
35) Methacrylonitrile	7.17	41	53069	23.228	ug/l 92
36) 1,2-Dichloroethane	8.12	62	122266	20.672	ug/l 99
37) Trichloroethene	8.83	130	88785	20.125	ug/l 93
38) Methylcyclohexane	9.08	83	125702	18.562	ug/l 99
39) 1,2-Dichloropropane	9.12	63	99848	20.896	ug/l 98
40) Dibromomethane	9.21	93	55594	20.583	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	108266	19.423	ug/l	97
42) Vinyl Acetate	5.90	43	1025817	104.677	ug/l	100
43) Ethyl Acetate	6.94	43	84271	21.340	ug/l	98
44) Isopropyl Acetate	8.17	43	143589	21.456	ug/l	99
45) 1,4-Dioxane	9.21	88	9263	249.836	ug/l #	90
46) Methyl methacrylate	9.20	41	72404	20.914	ug/l	96
47) n-amyl Acetate	12.07	43	112113	22.745	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	100686	19.670	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	125409	19.846	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	79799	21.753	ug/l	99
51) Ethyl methacrylate	10.43	69	93070	21.283	ug/l	98
52) 1,3-Dichloropropane	10.71	76	137143	21.335	ug/l	98
53) Dibromochloromethane	10.90	129	74625	19.749	ug/l	98
54) 1,2-Dibromoethane	11.00	107	72282	20.988	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	179306	98.080	ug/l	99
56) Bromoform	12.13	173	45287	19.073	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	418970	110.517	ug/l	100
59) 2-Hexanone	10.75	43	260222	108.051	ug/l	99
61) Tetrachloroethene	10.63	164	86981	20.332	ug/l	96
62) Toluene	10.15	91	364927	20.147	ug/l	99
64) Chlorobenzene	11.43	112	224940	20.571	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	79536	20.451	ug/l	98
66) Ethyl Benzene	11.51	91	393501	20.266	ug/l	99
67) m/p-Xylenes	11.62	106	295990	41.012	ug/l	100
68) o-Xylene	11.95	106	148990	20.889	ug/l	98
69) Styrene	11.96	104	224129	20.237	ug/l	99
70) Isopropylbenzene	12.25	105	386233	20.254	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	94431	21.651	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	83005m	23.044	ug/l	
73) Bromobenzene	12.53	156	90979	20.185	ug/l	98
74) n-propylbenzene	12.59	91	430056	20.145	ug/l	99
75) 2-Chlorotoluene	12.67	91	266431	20.693	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	317009	20.562	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17681	19.474	ug/l	97
78) 4-Chlorotoluene	12.77	91	248603	20.264	ug/l	98
79) tert-butylbenzene	12.99	119	266822	20.002	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	311568	20.572	ug/l	98
81) sec-Butylbenzene	13.17	105	355248	19.930	ug/l	100
82) p-Isopropyltoluene	13.29	119	295802	19.664	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	153624	20.373	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	136537	19.055	ug/l	99
85) n-Butylbenzene	13.61	91	221959	18.523	ug/l	99
86) Hexachloroethane	13.87	117	45112	18.733	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	153289	20.758	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11619	20.044	ug/l	88
89) 1,2,4-Trichlorobenzene	14.91	180	57082	17.290	ug/l	96
90) Hexachlorobutadiene	15.01	225	47466	19.719	ug/l	98
91) Naphthalene	15.13	128	120918	17.491	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	57621	17.451	ug/l	97

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ClientSampleId :
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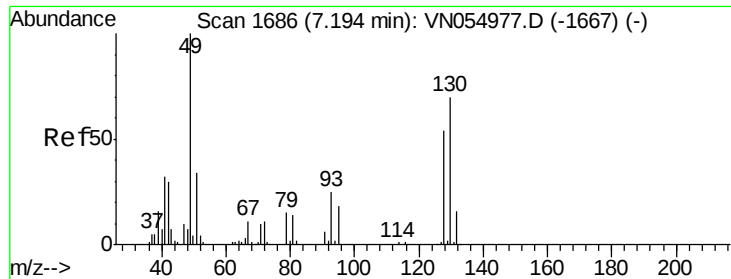
Manual Integrations
APPROVED

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4/17/2019 4:23:03 AM

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QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

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# 1686

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion:128 Resp: 69319

Ion Ratio Lower Upper

128 100

49 189.0 0.0 480.3

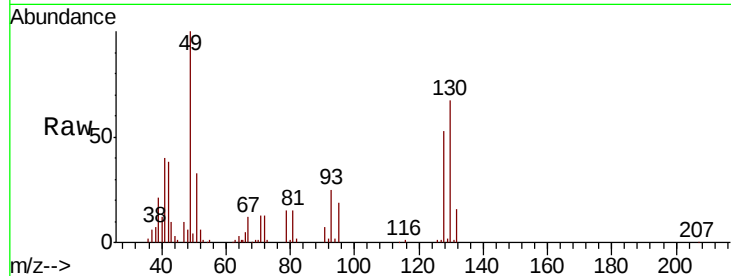
130 129.3 0.0 322.2

Manual Integrations

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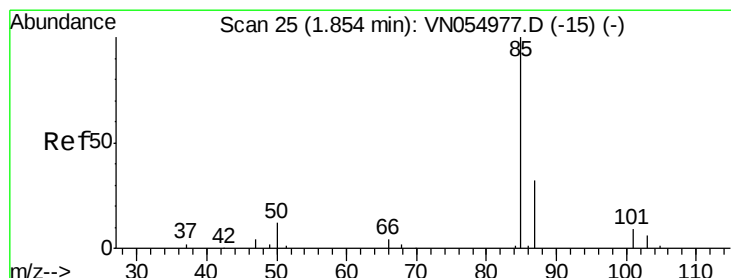
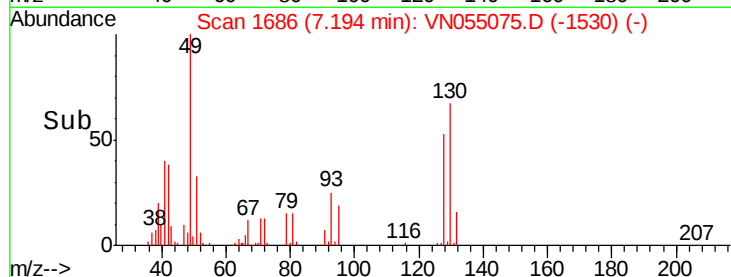
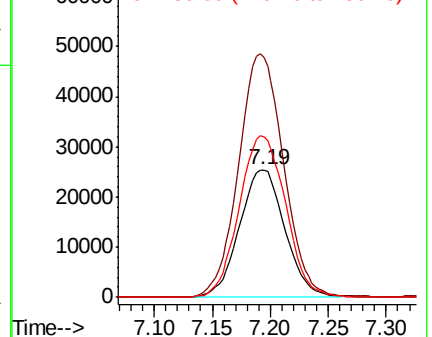
4/17/2019 4:23:03 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.369 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055075.D

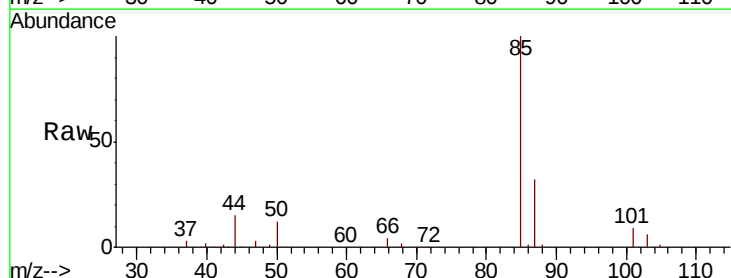
Acq: 16 Apr 2019 13:48

Tgt Ion: 85 Resp: 78967

Ion Ratio Lower Upper

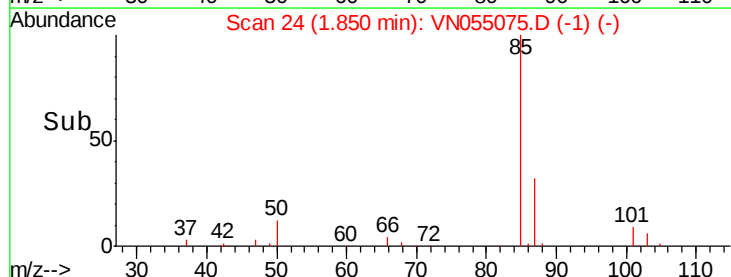
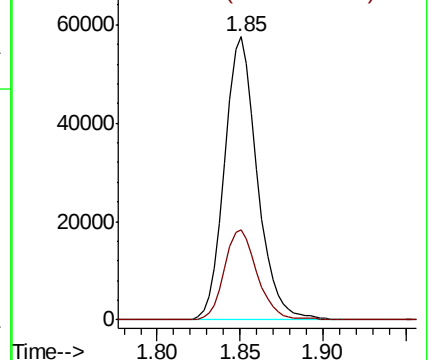
85 100

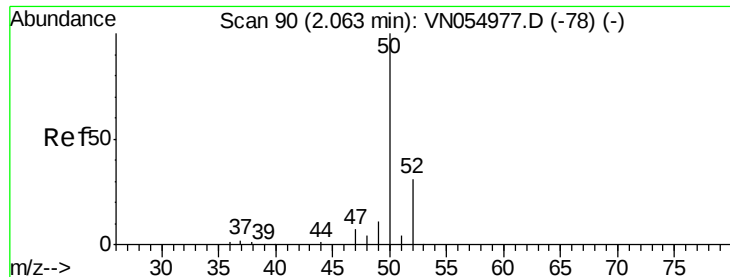
87 31.7 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.517 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 50 Resp: 112995

Ion Ratio Lower Upper

50 100

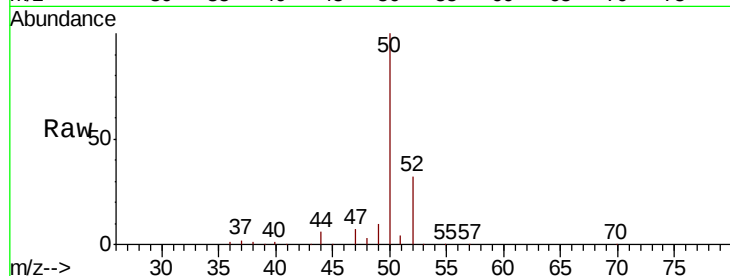
52 31.6 24.5 36.7

Manual Integrations

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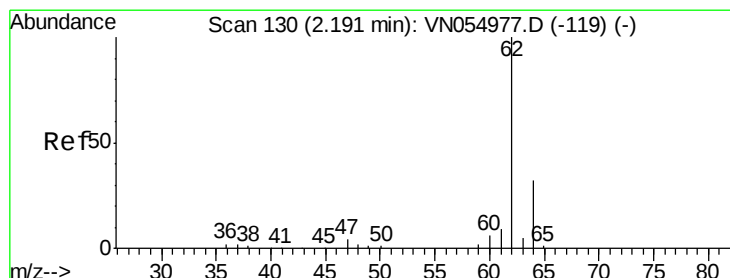
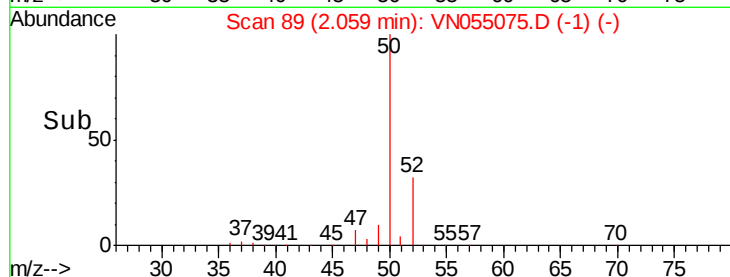
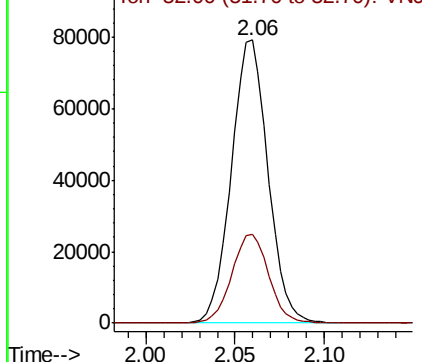
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.263 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055075.D

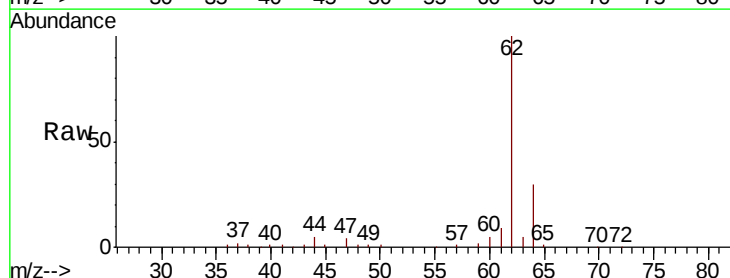
Acq: 16 Apr 2019 13:48

Tgt Ion: 62 Resp: 91743

Ion Ratio Lower Upper

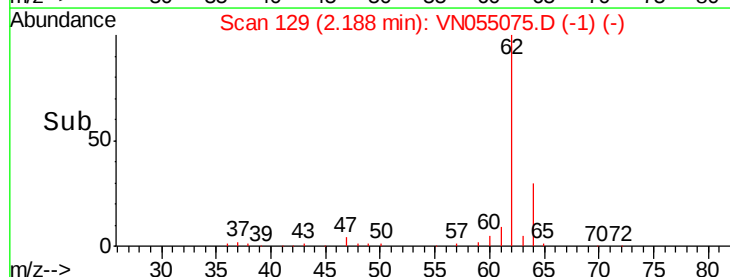
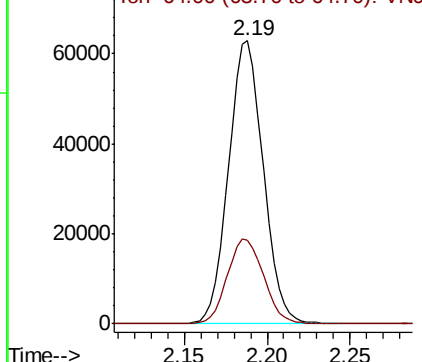
62 100

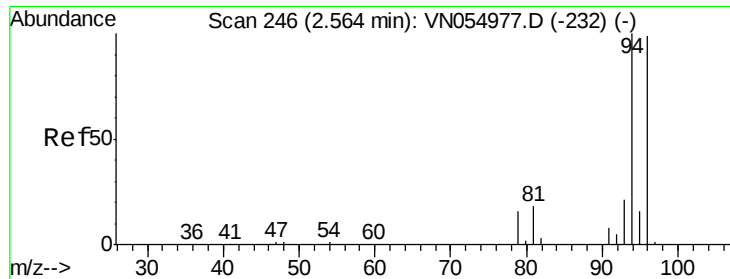
64 29.6 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





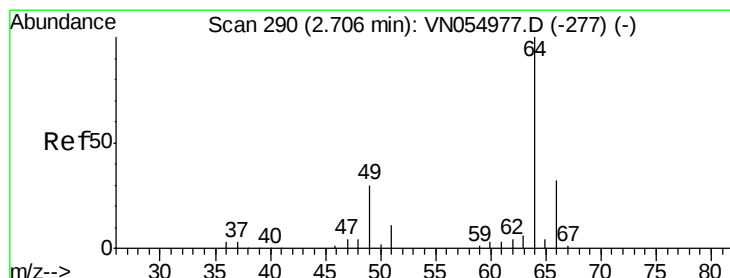
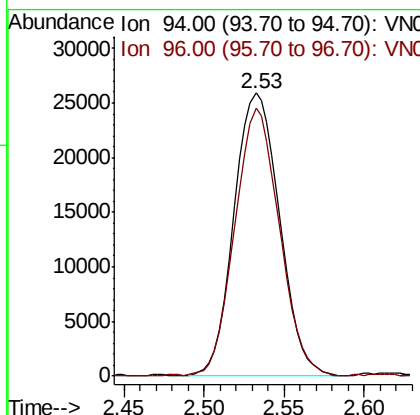
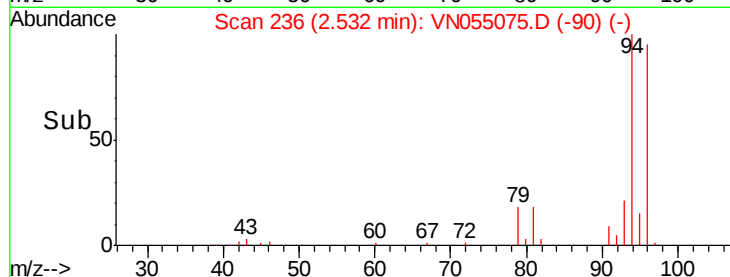
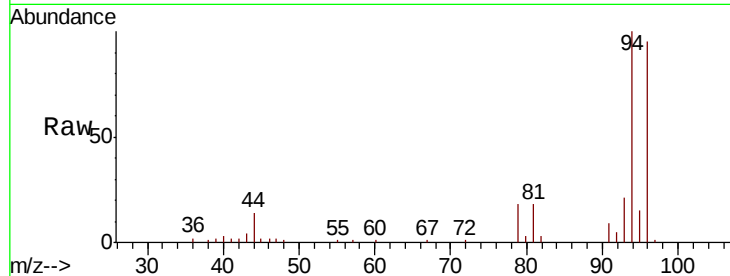
#5
Bromomethane
Concen: 18.289 ug/l
RT: 2.53 min Scan# 236
Delta R.T. -0.03 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
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Tot Ion: 94 Resp: 50381
Ion Ratio Lower Upper
94 100
96 94.7 79.1 118.7

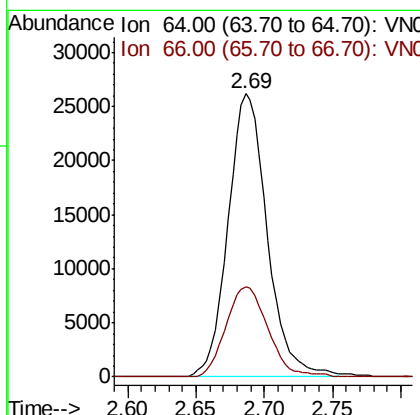
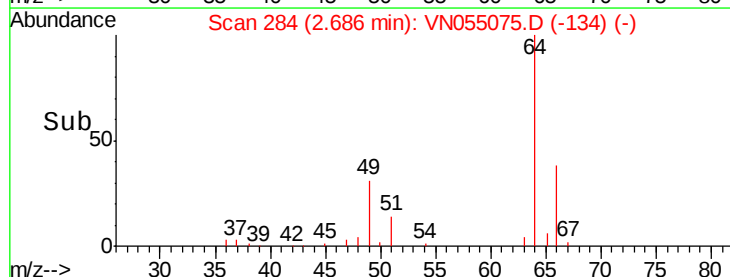
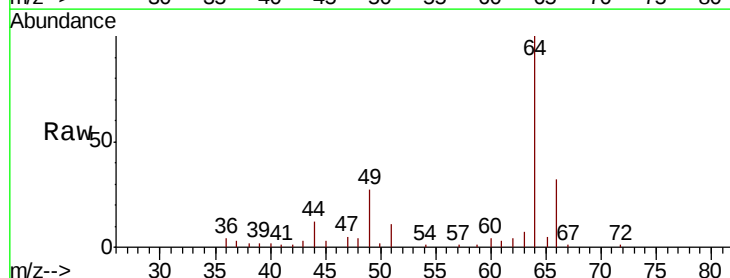
Manual Integrations
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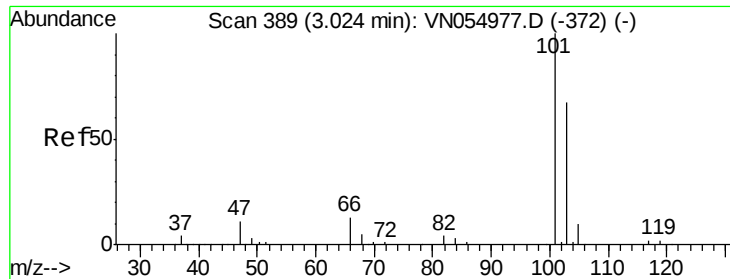
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#6
Chloroethane
Concen: 19.551 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.02 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 64 Resp: 52149
Ion Ratio Lower Upper
64 100
66 31.6 25.7 38.5





#7

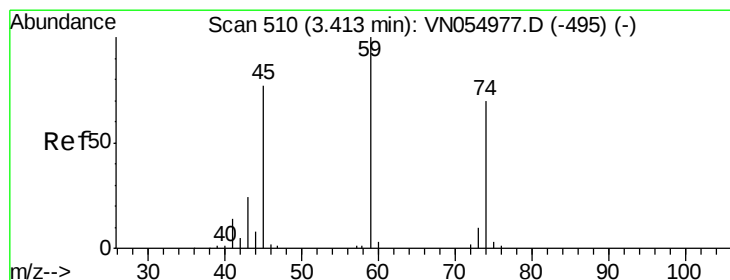
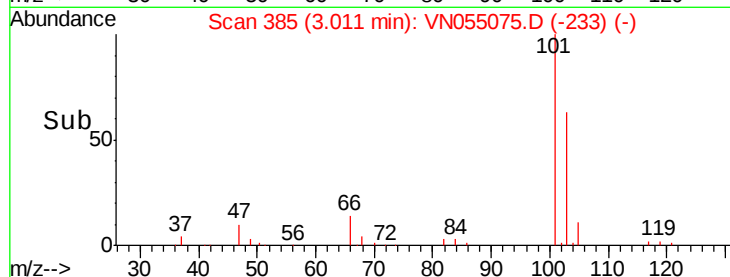
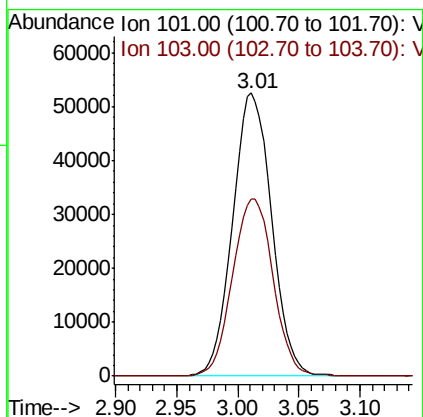
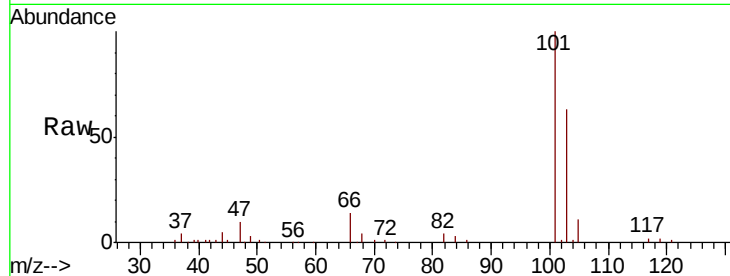
Trichlorofluoromethane
Concen: 19.136 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion:101 Resp: 116458
Ion Ratio Lower Upper
101 100
103 62.7 53.4 80.0

Manual Integrations
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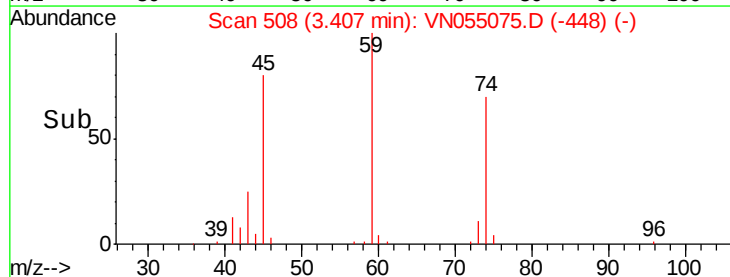
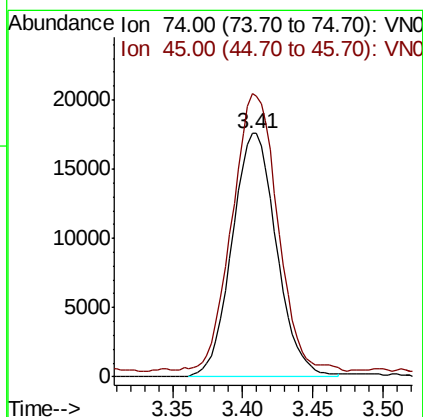
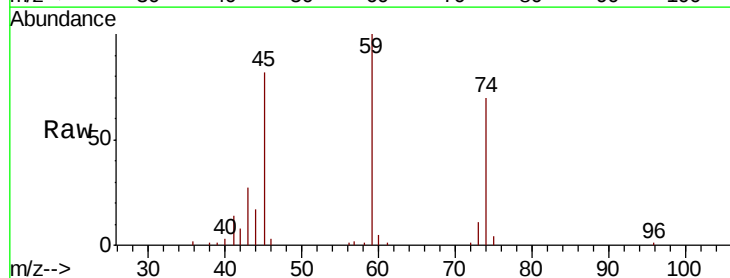
MMDadoda
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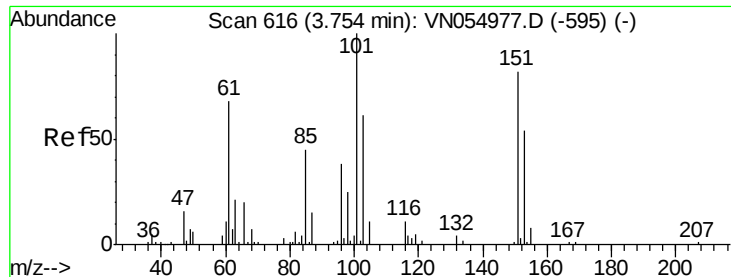


#8

Diethyl Ether
Concen: 19.857 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.01 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 74 Resp: 38801
Ion Ratio Lower Upper
74 100
45 113.4 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.916 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.01 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

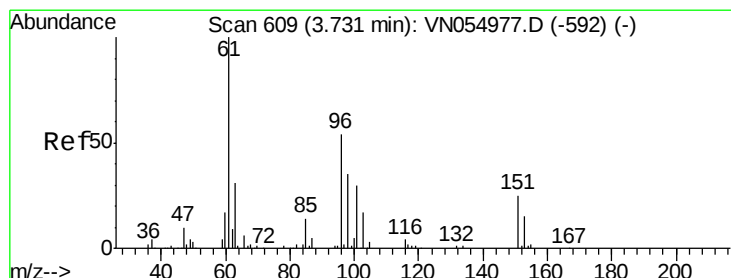
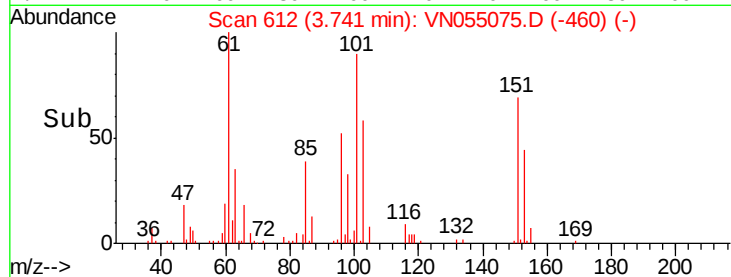
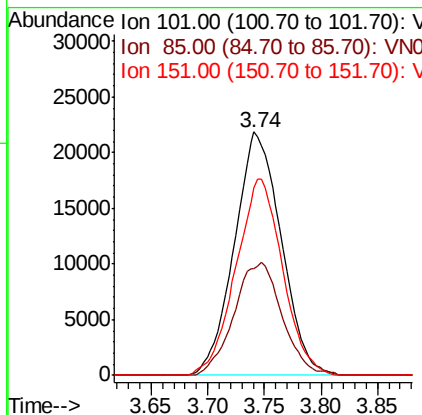
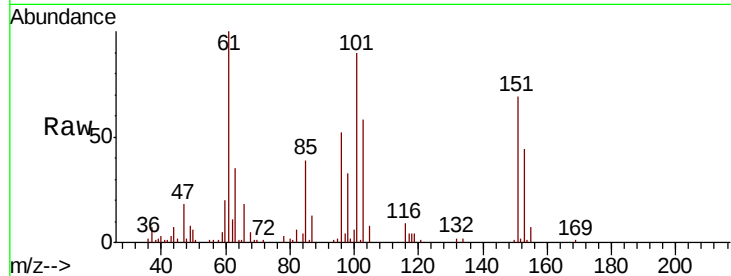
ClientSampleId :

VN0416WBS01

Tot Ion:	101	Resp:	62929
Ion Ratio	Lower	Upper	
101	100		
85	47.4	0.0	91.4
151	80.6	0.0	165.6

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#10

1,1-Dichloroethene

Concen: 18.276 ug/l

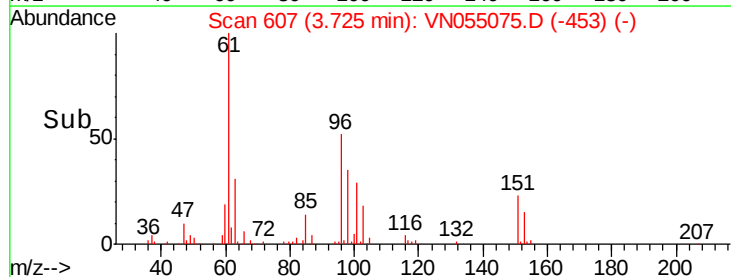
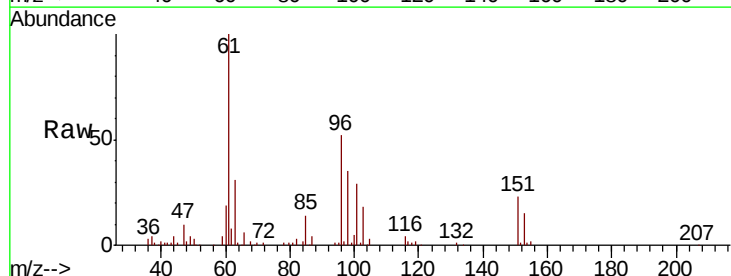
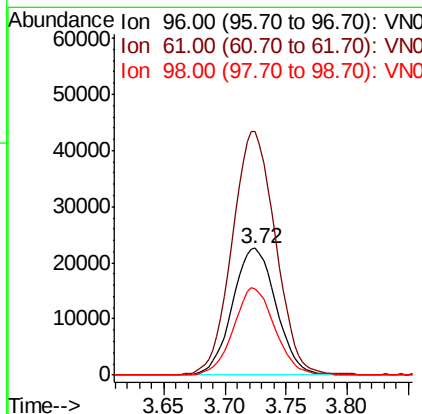
RT: 3.72 min Scan# 607

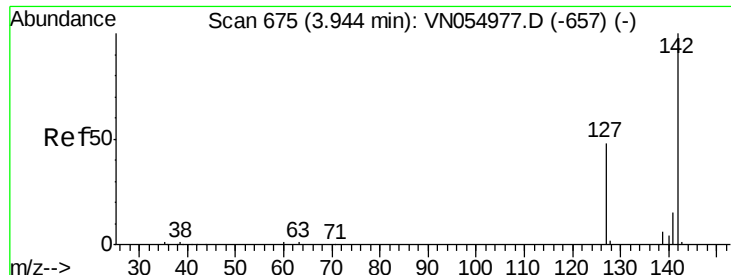
Delta R.T. -0.01 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Tgt Ion:	96	Resp:	56214
Ion Ratio	Lower	Upper	
96	100		
61	190.8	148.4	222.6
98	68.0	52.2	78.2





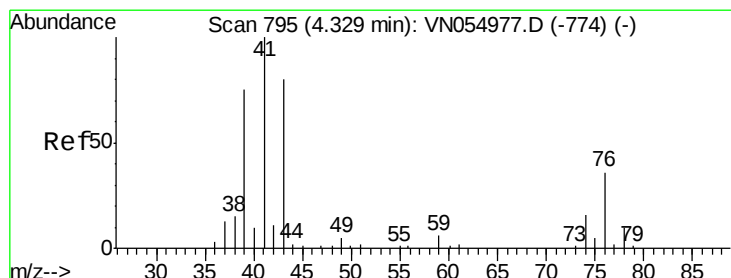
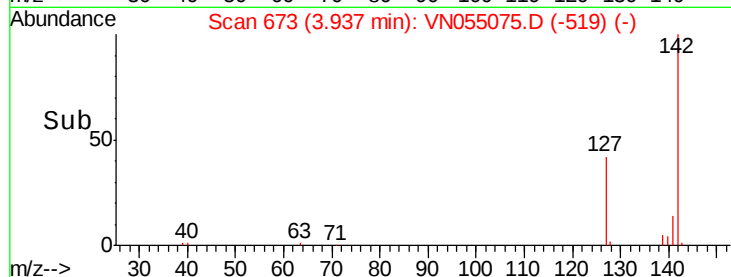
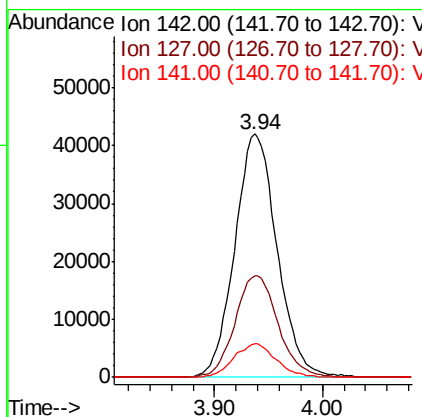
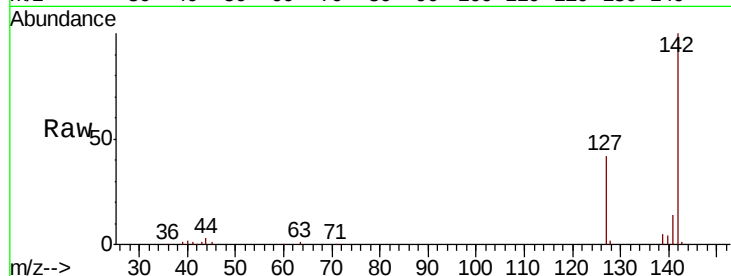
#11
Methyl Iodide
Concen: 24.601 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.8	23.8	71.5
141	14.2	7.3	22.0

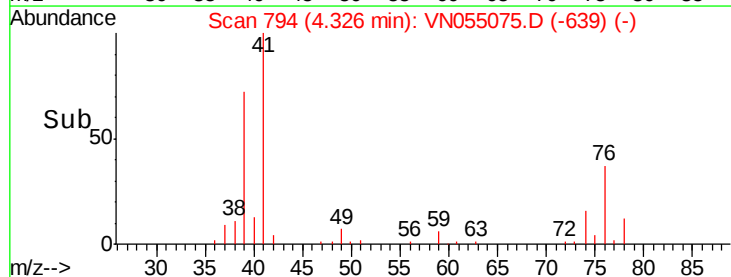
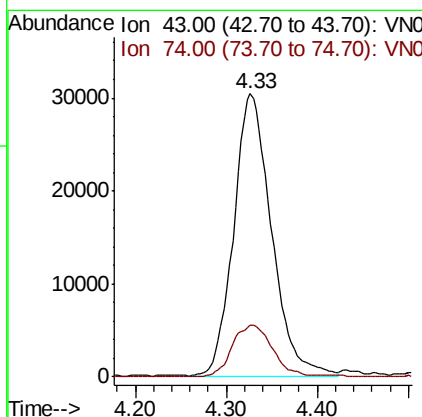
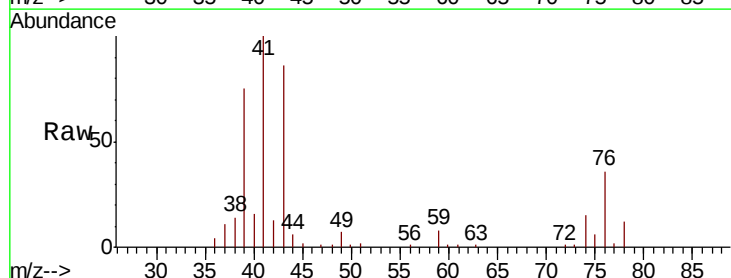
Manual Integrations
APPROVED

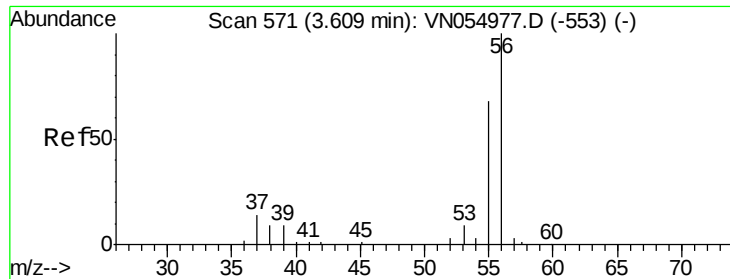
MMDadoda
4/17/2019 4:23:03 AM



#12
Methyl Acetate
Concen: 23.406 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.9	16.2	24.4





#13

Acrolein

Concen: 93.366 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 56 Resp: 30957

Ion Ratio Lower Upper

56 100

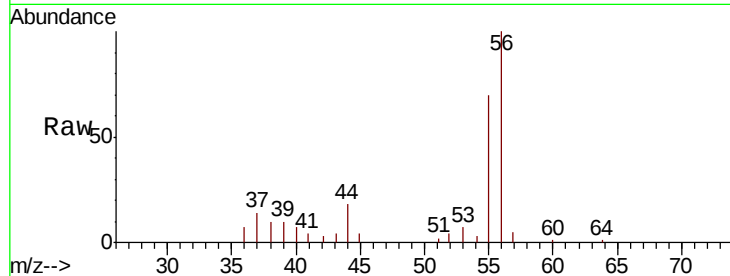
55 70.8 57.0 85.4

Manual Integrations

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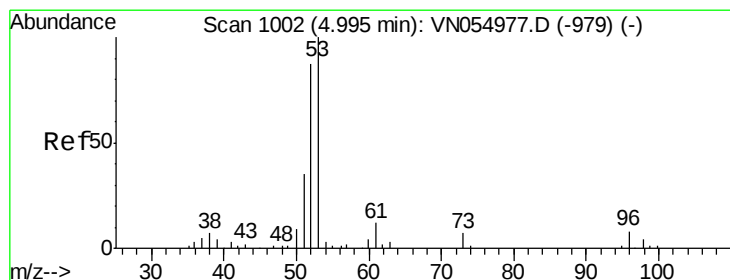
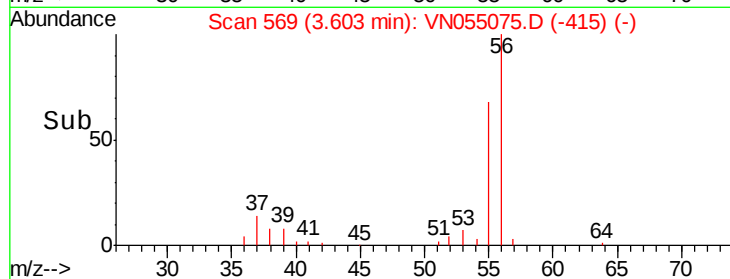
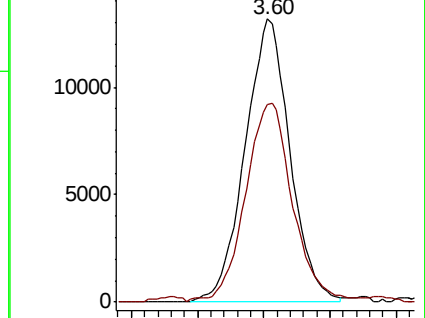
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 107.784 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

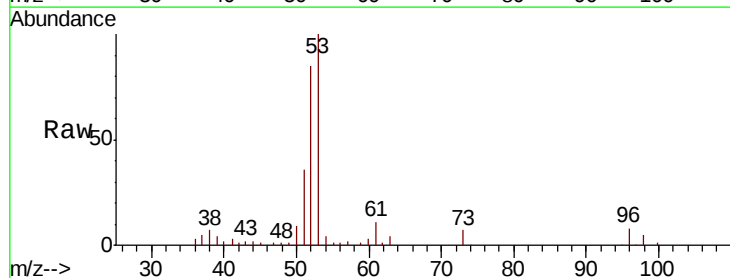
Tgt Ion: 53 Resp: 167061

Ion Ratio Lower Upper

53 100

52 81.4 42.3 126.8

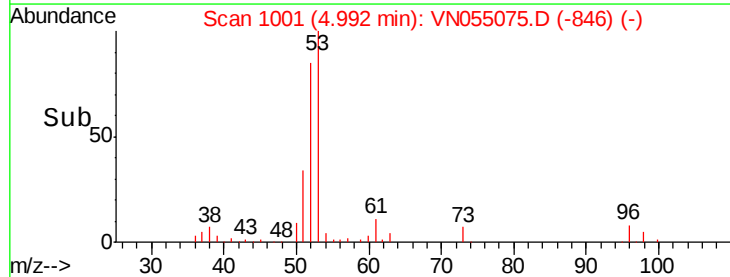
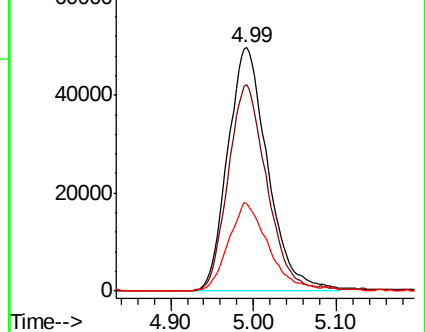
51 36.1 18.6 56.0

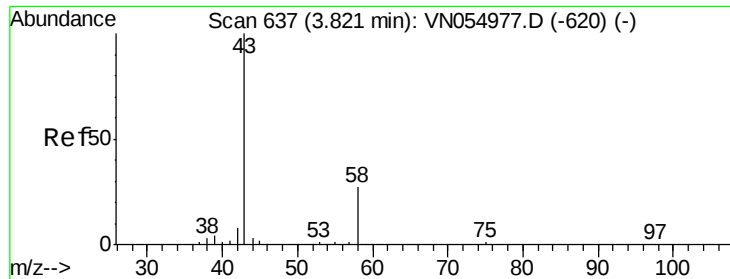


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 83.107 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0416WBS01

Tot Ion: 58 Resp: 31875

Ion Ratio Lower Upper

58 100

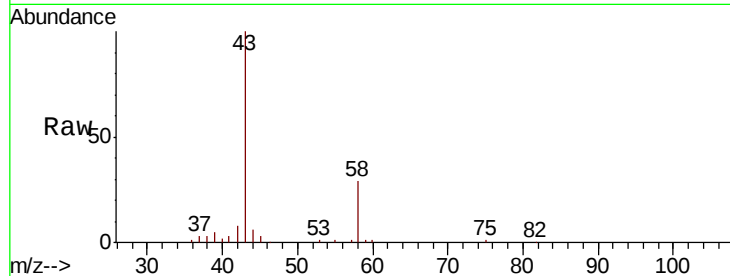
43 344.1 297.2 445.8

Manual Integrations

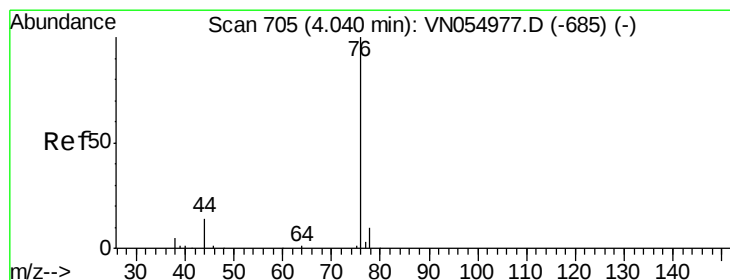
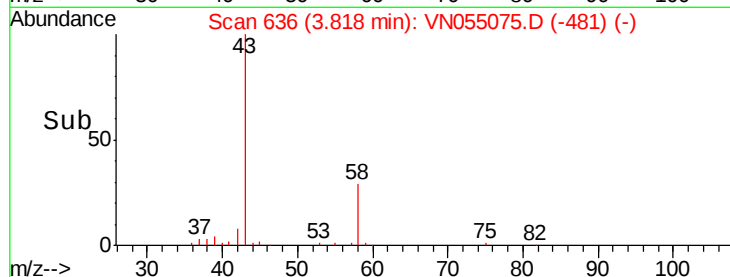
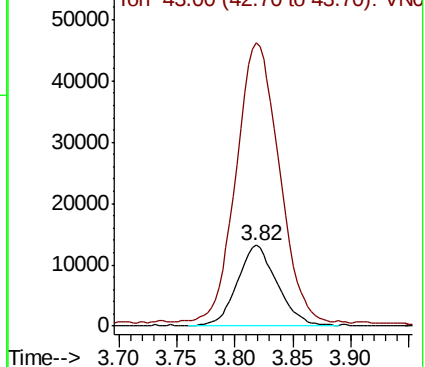
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Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)



#16

Carbon Disulfide

Concen: 18.117 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055075.D

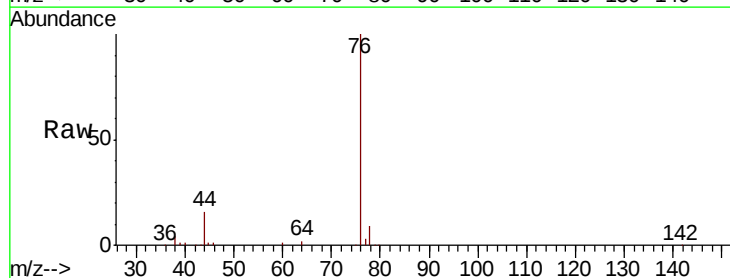
Acq: 16 Apr 2019 13:48

Tgt Ion: 76 Resp: 186915

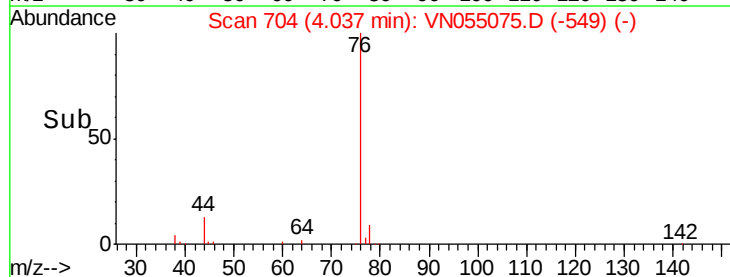
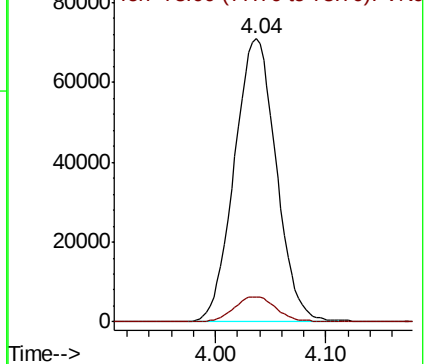
Ion Ratio Lower Upper

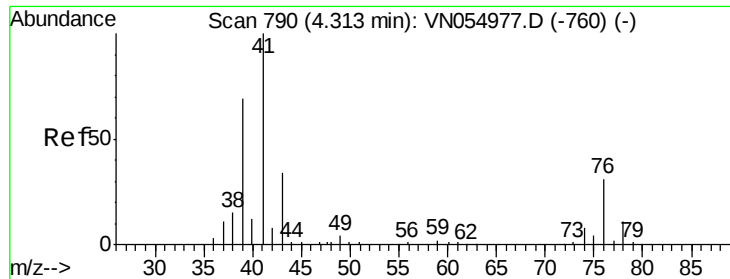
76 100

78 8.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)





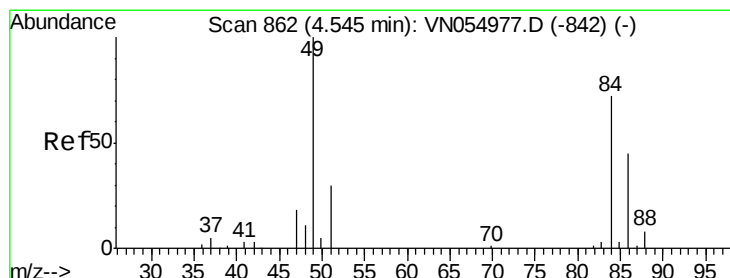
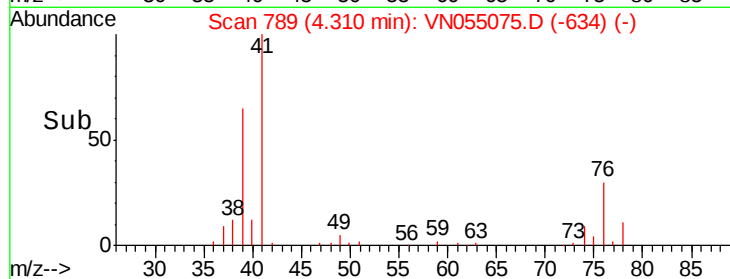
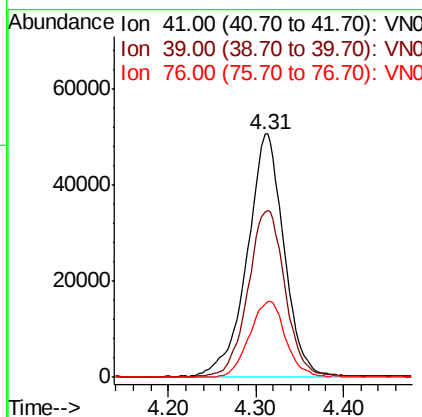
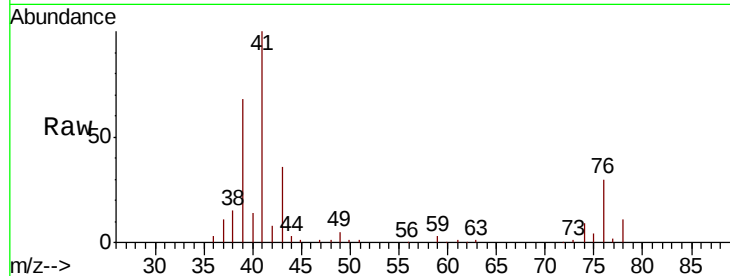
#17
Allvl chloride
Concen: 19.414 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.6	34.3	102.9
76	30.0	15.8	47.3

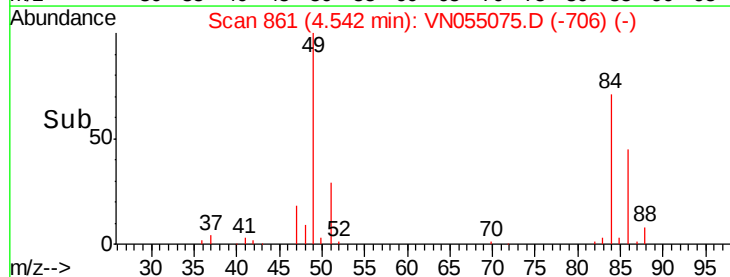
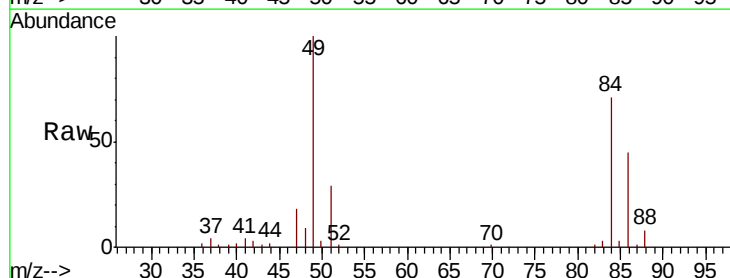
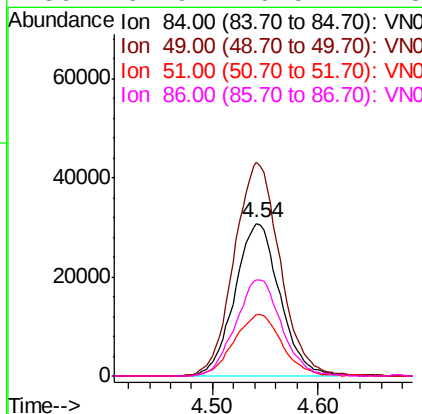
Manual Integrations
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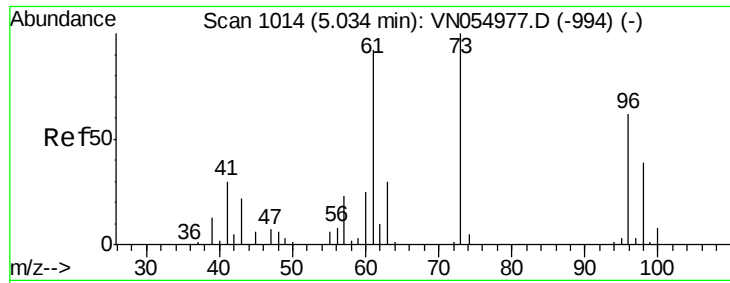
MMDadoda
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#18
Methylene Chloride
Concen: 20.040 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.4	111.0	166.4
51	39.7	33.4	50.2
86	62.9	49.5	74.3





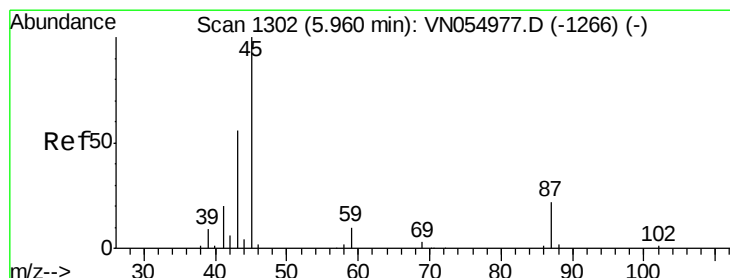
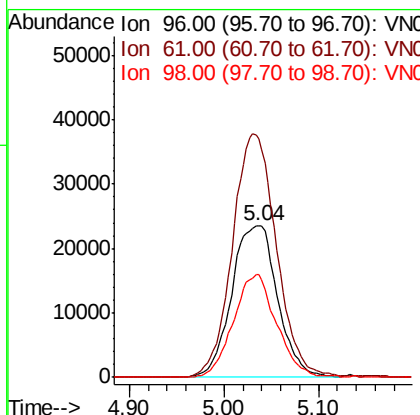
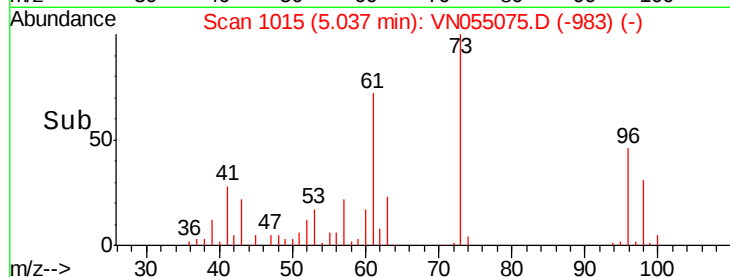
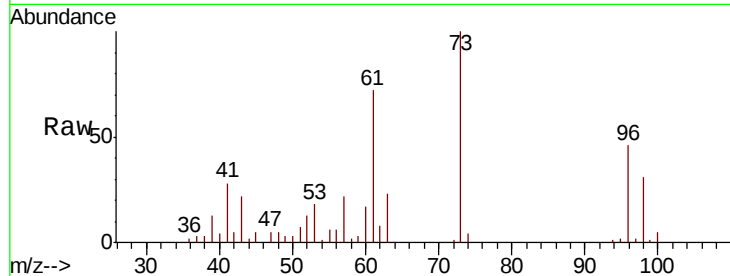
#19
trans-1,2-Dichloroethene
Concen: 19.784 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	117.2	175.8
98	68.0	49.4	74.2

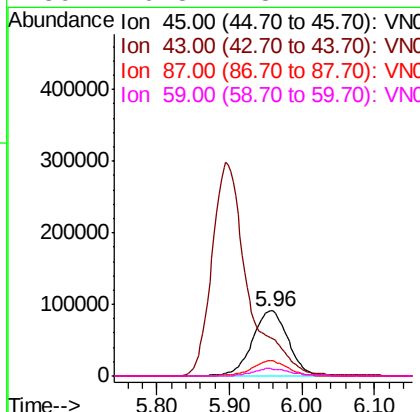
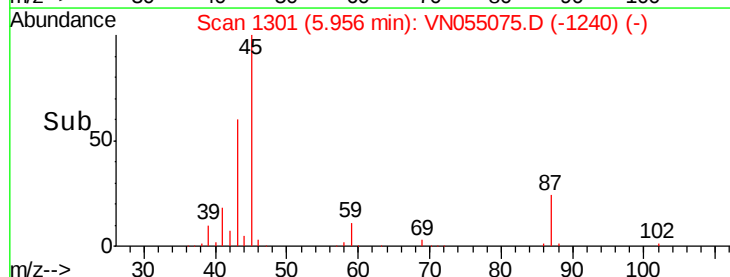
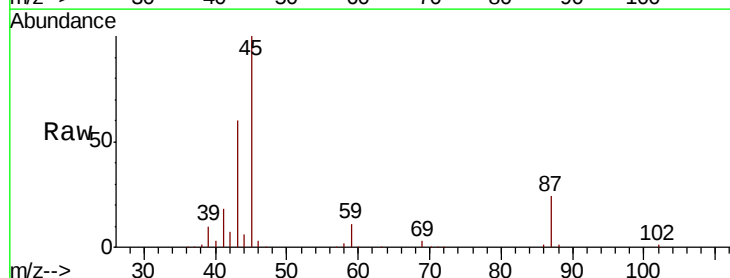
Manual Integrations
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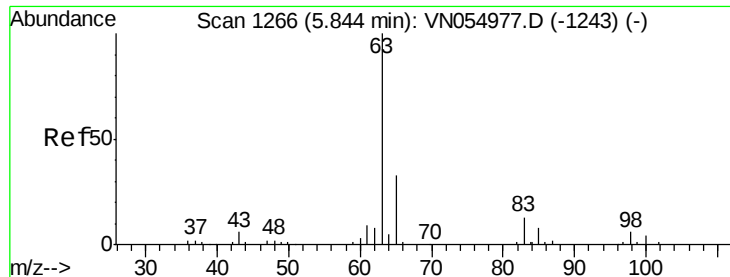
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#20
Diisopropyl ether
Concen: 20.500 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.8	68.8
87	23.5	18.2	27.4
59	10.8	8.2	12.2





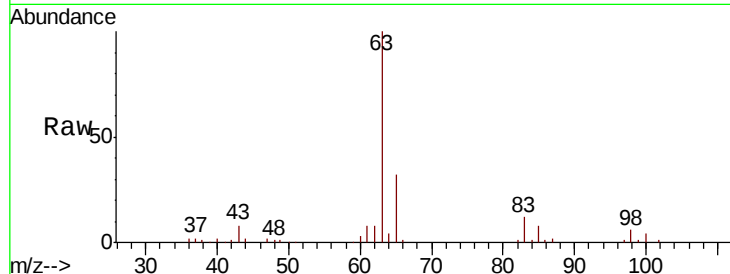
#21
 1,1-Dichloroethane
 Concen: 20.194 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

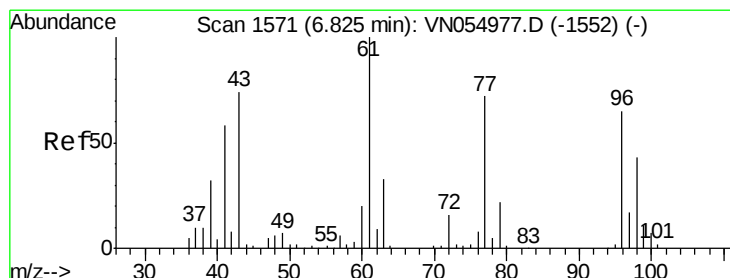
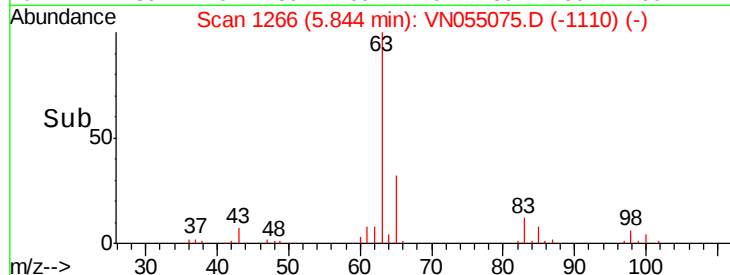
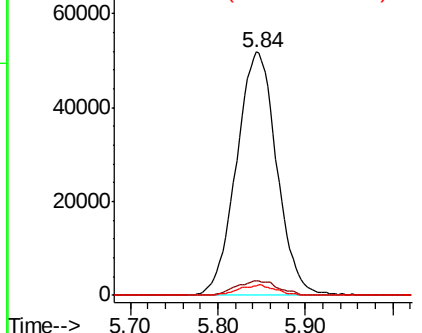
Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.2	2.9	8.7
100	4.0	2.0	5.8

Manual Integrations
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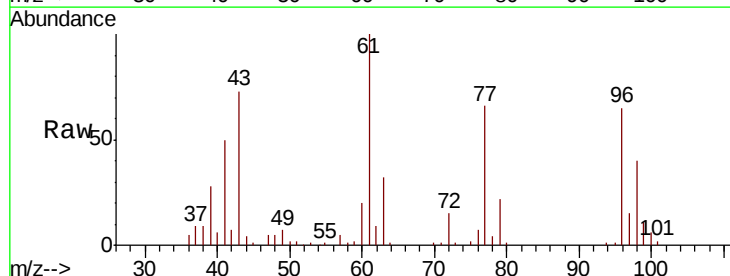


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

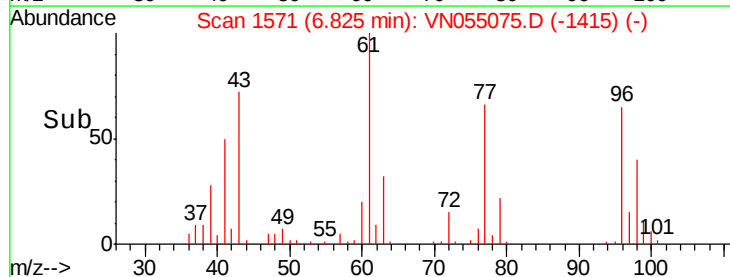
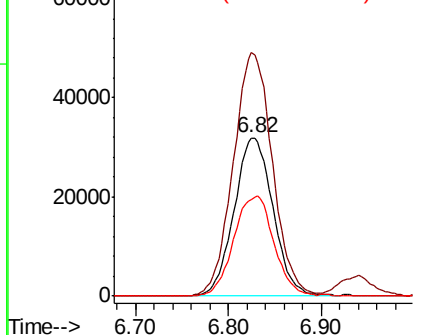


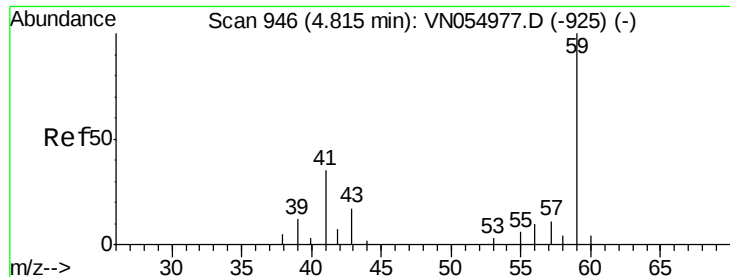
#22
 cis-1,2-Dichloroethene
 Concen: 20.048 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	154.3	125.0	187.6
98	64.8	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

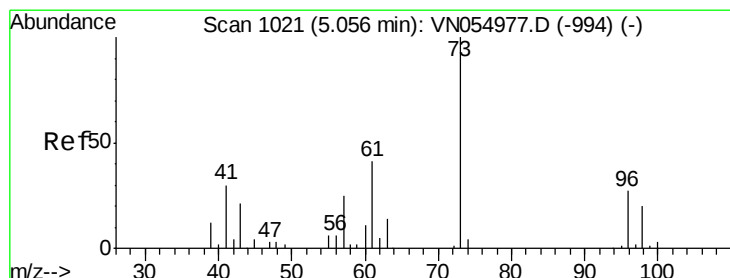
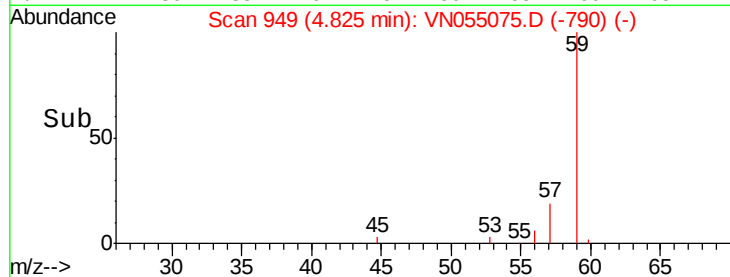
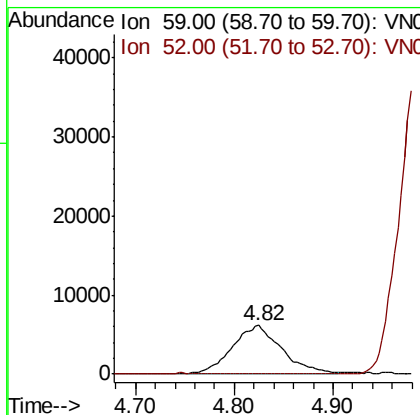
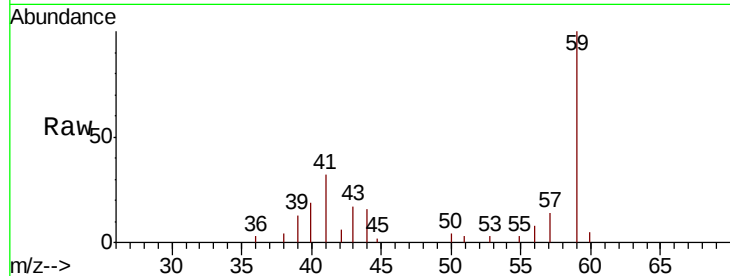
tert-Butyl Alcohol
 Concen: 87.423 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
52	0.3	0.0	0.0#	

Manual Integrations
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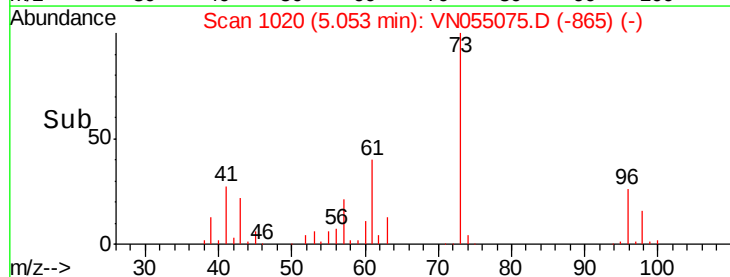
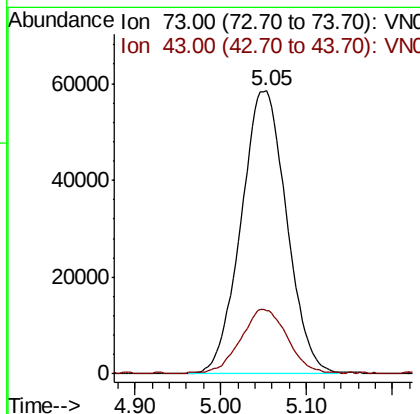
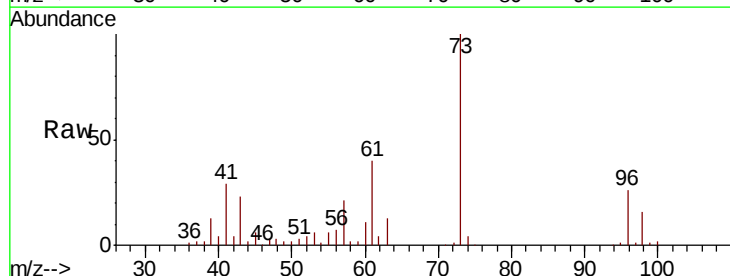
MMDadoda
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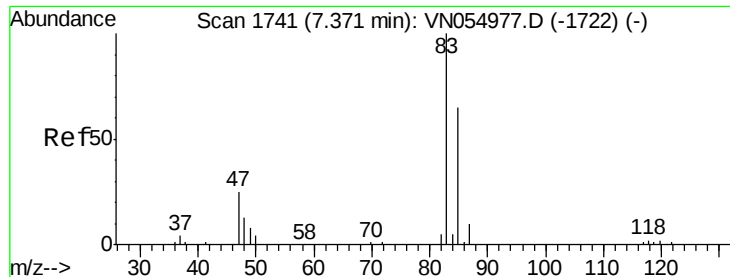


#24

Methyl tert-Butyl Ether
 Concen: 20.909 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	23.5	8.0	12.0#	





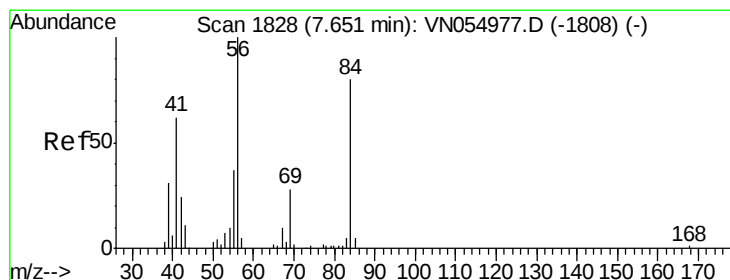
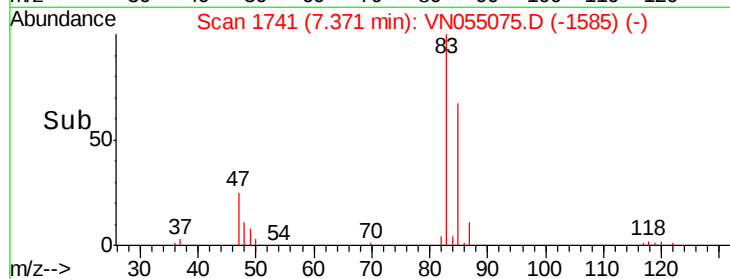
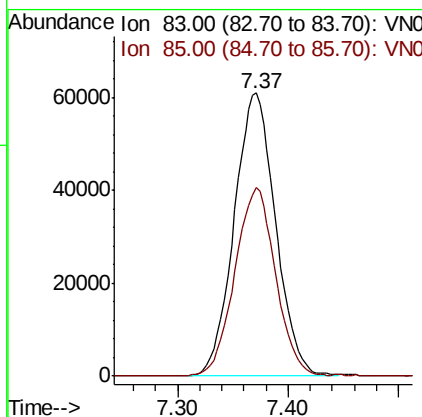
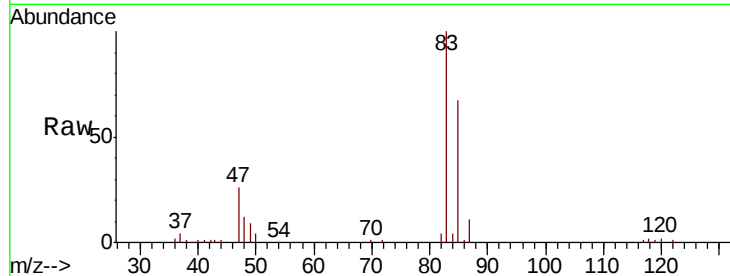
#25
Chloroform
Concen: 20.201 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	83	Resp	158587
Ion Ratio	100	Lower	Upper
83	100		
85	66.5	51.8	77.8

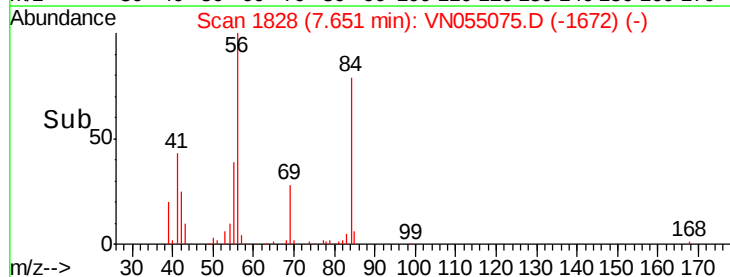
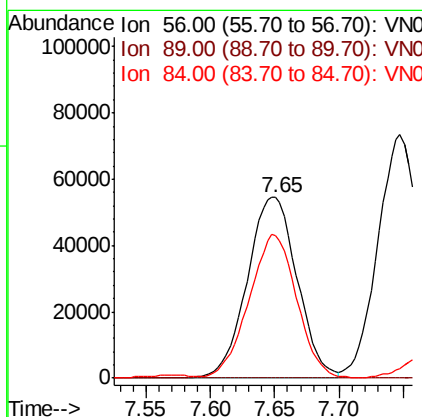
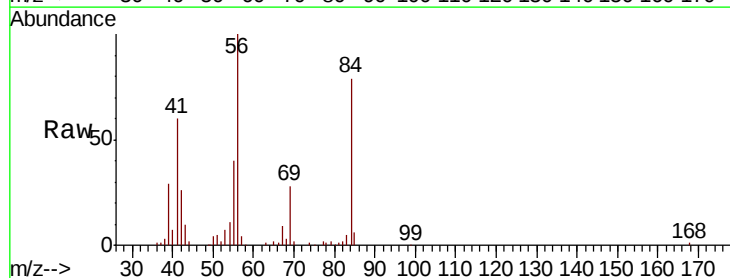
Manual Integrations
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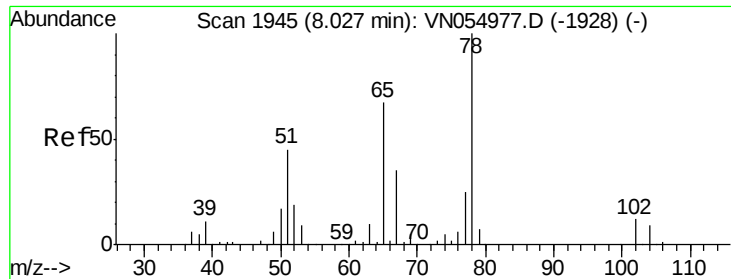
MMDadoda
4/17/2019 4:23:03 AM



#26
Cyclohexane
Concen: 19.297 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	56	Resp	146743
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	75.5	63.5	95.3





#27

1,2-Dichloroethane-d4

Concen: 19.297 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 65 Resp: 158403

Ion Ratio Lower Upper

65 100

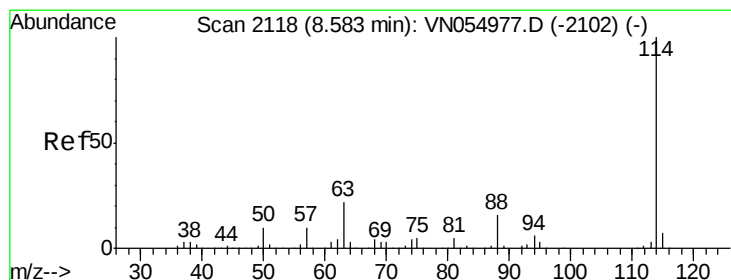
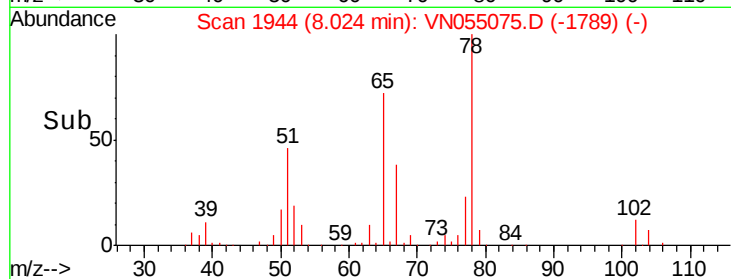
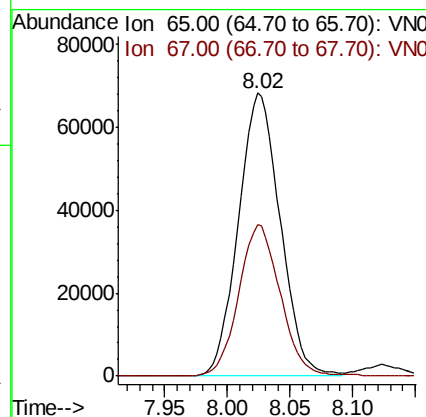
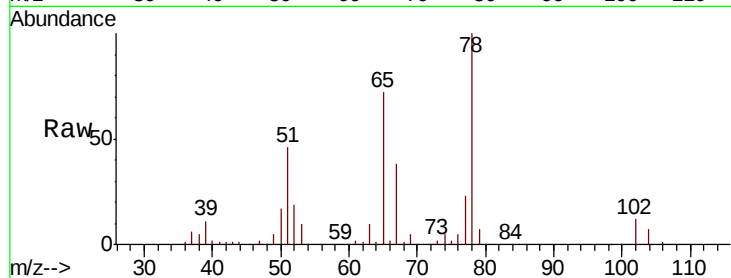
67 52.7 41.8 62.8

Manual Integrations

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4/17/2019 4:23:03 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

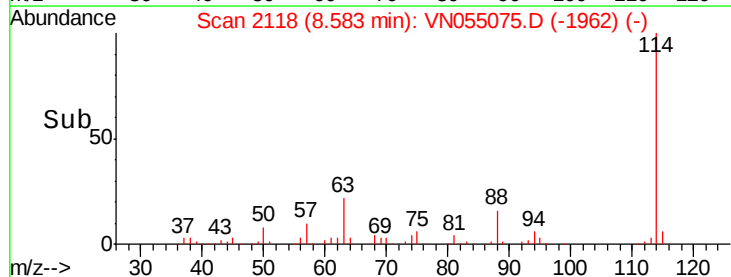
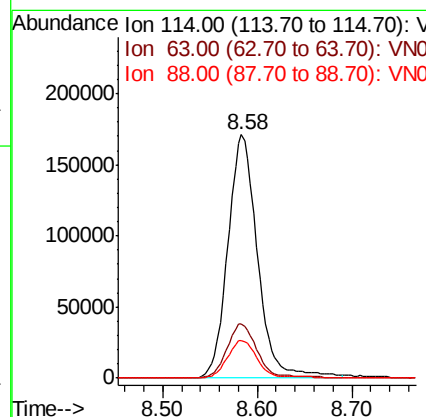
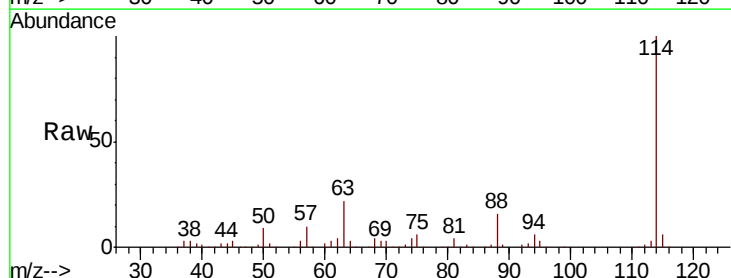
Tgt Ion: 114 Resp: 374967

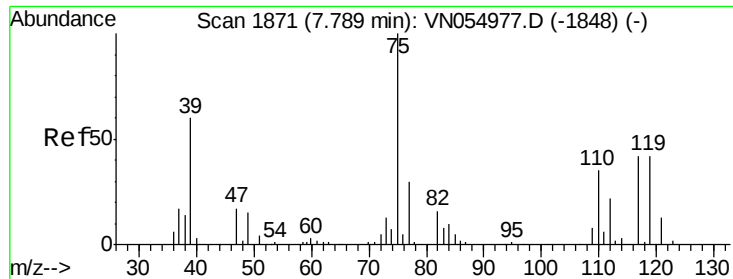
Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 15.4 12.3 18.5





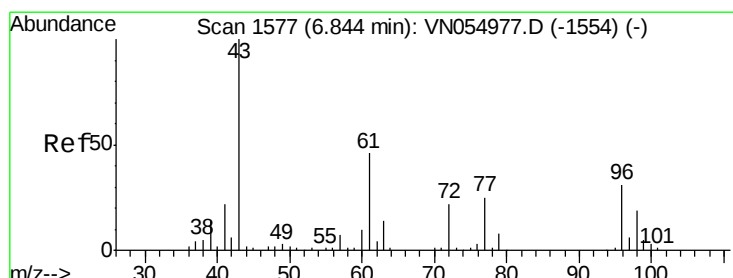
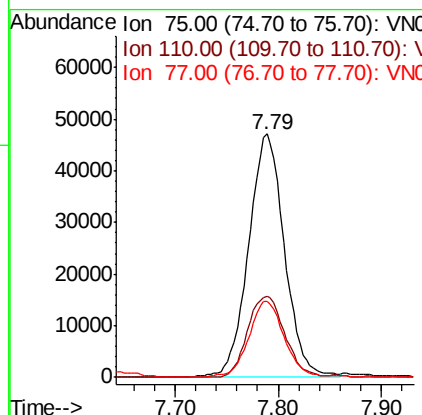
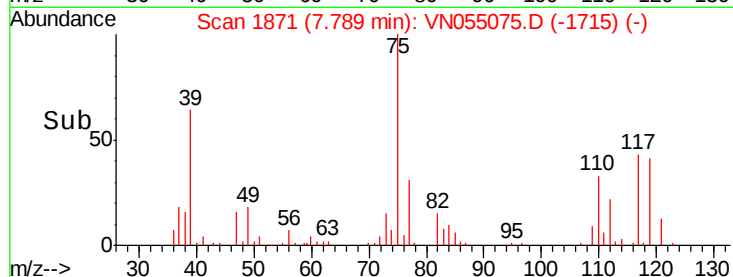
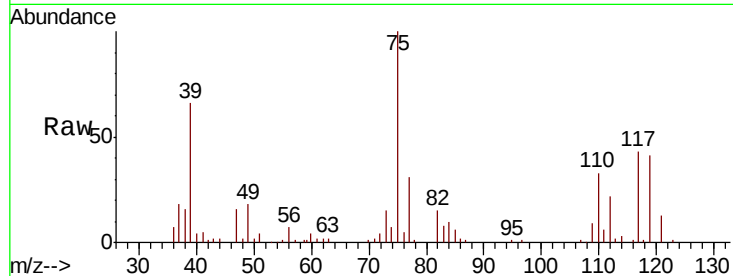
#29
 1,1-Dichloropropene
 Concen: 19.501 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.4	0.0	68.4
77	30.9	0.0	58.6

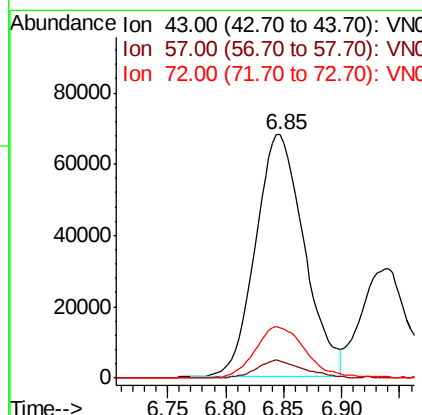
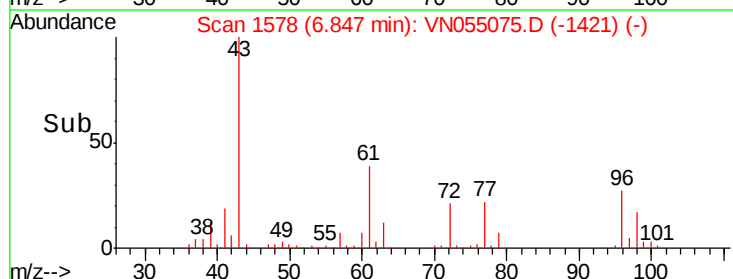
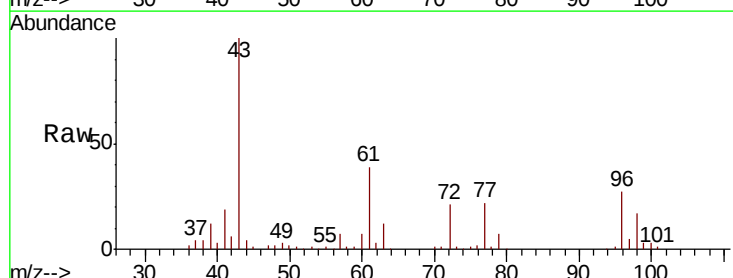
Manual Integrations
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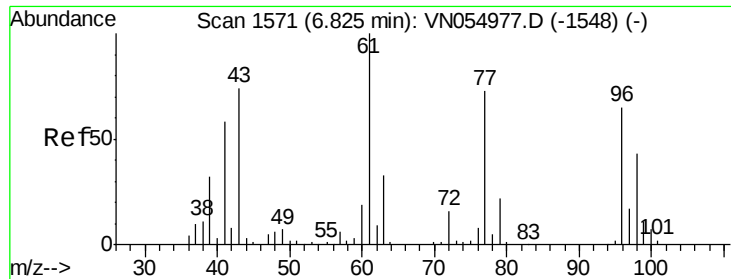
MMDadoda
 4/17/2019 4:23:03 AM



#30
 2-Butanone
 Concen: 102.528 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.1	6.0	9.0
72	21.4	18.6	27.8





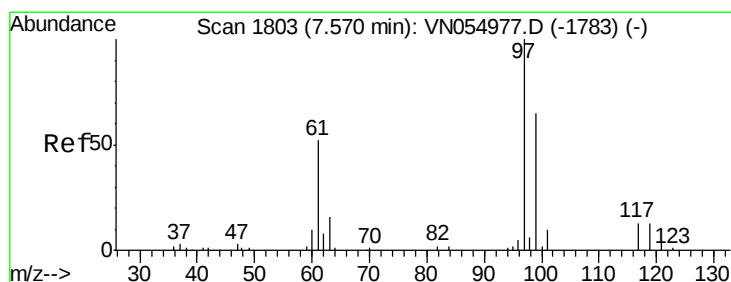
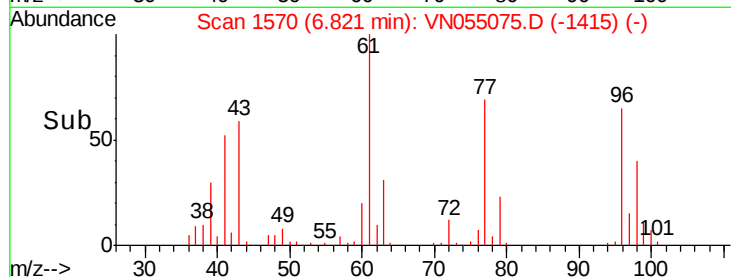
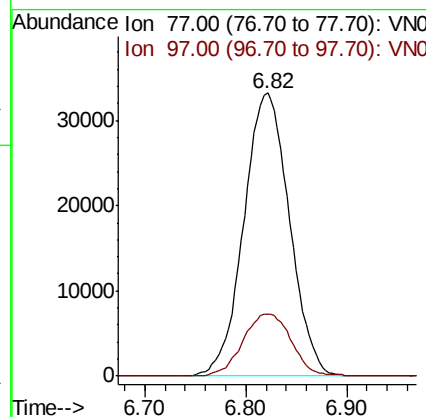
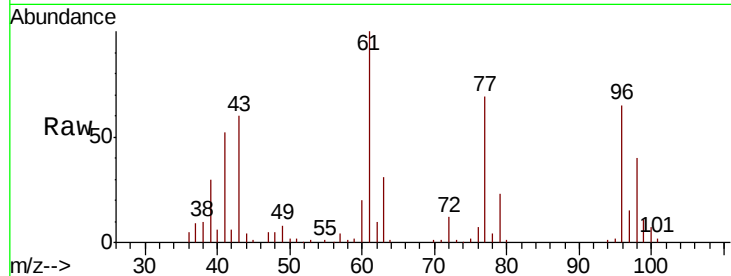
#31
 2,2-Dichloropropane
 Concen: 19.405 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion: 77 Resp: 104295
 Ion Ratio Lower Upper
 77 100
 97 23.1 0.0 0.0#

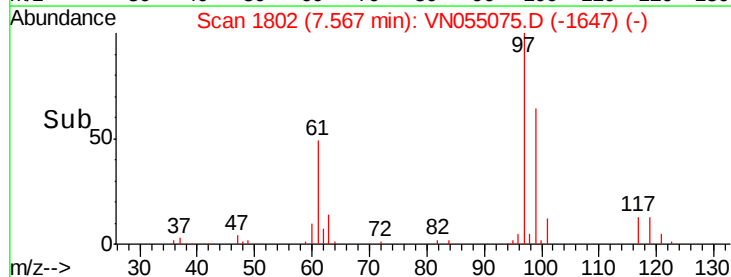
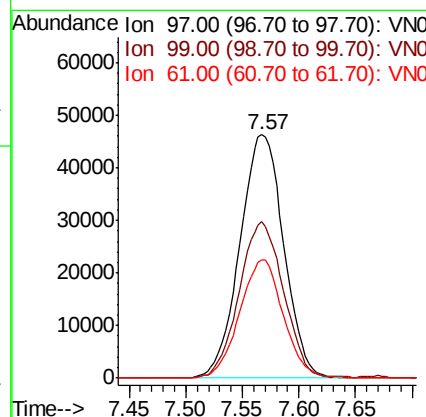
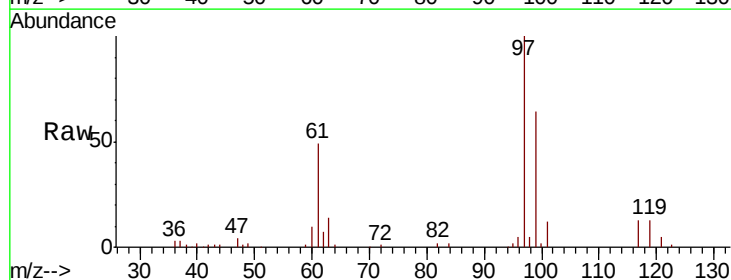
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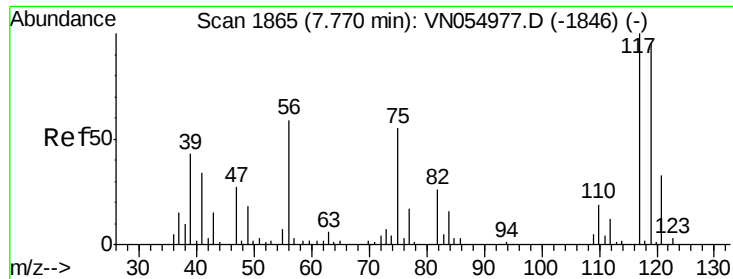
MMDadoda
 4/17/2019 4:23:03 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.217 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 97 Resp: 124790
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 48.2 40.6 60.8





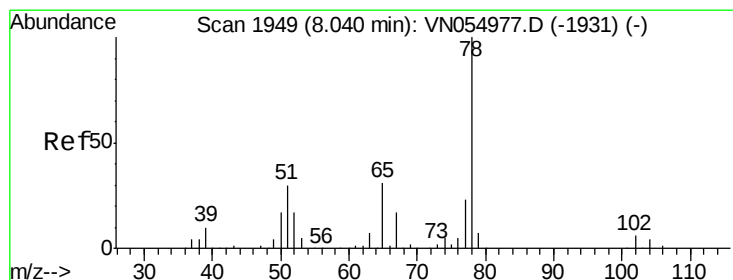
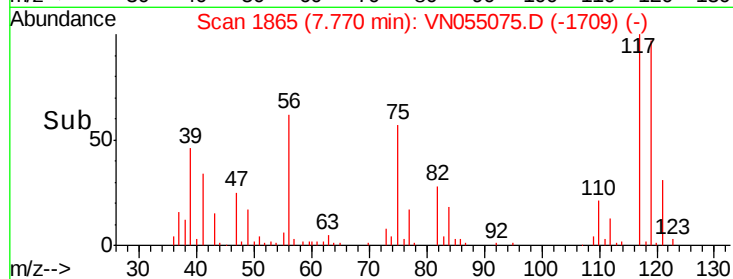
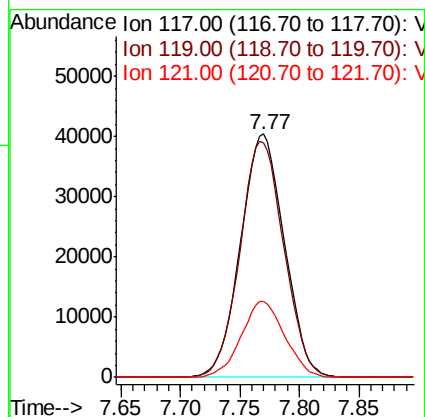
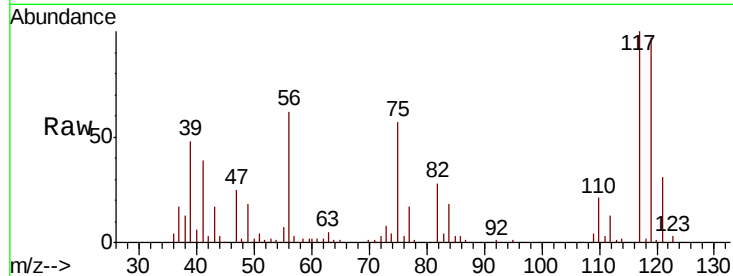
#33
Carbon Tetrachloride
Concen: 19.249 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.1	114.1
121	31.0	26.2	39.4

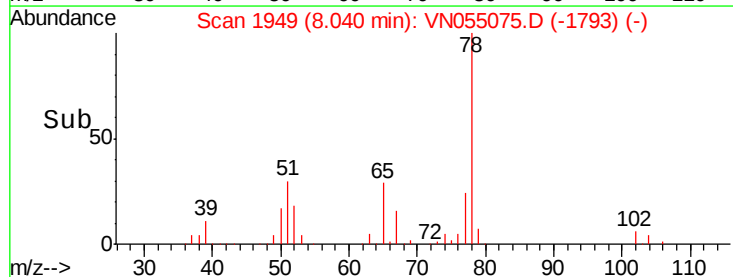
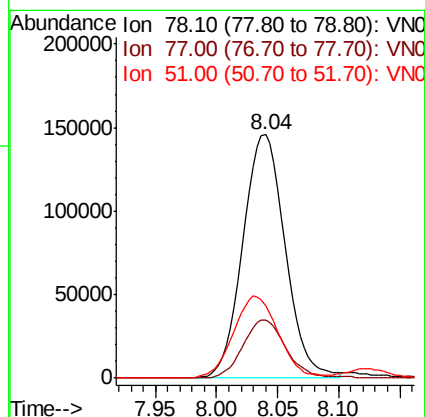
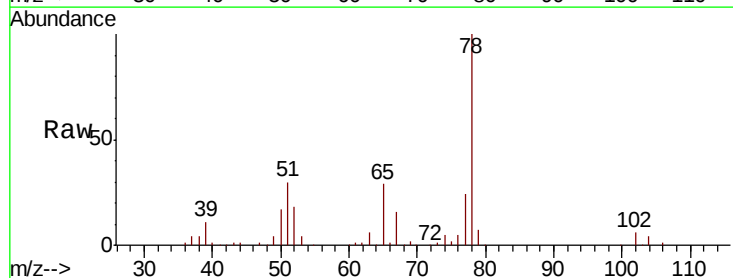
Manual Integrations
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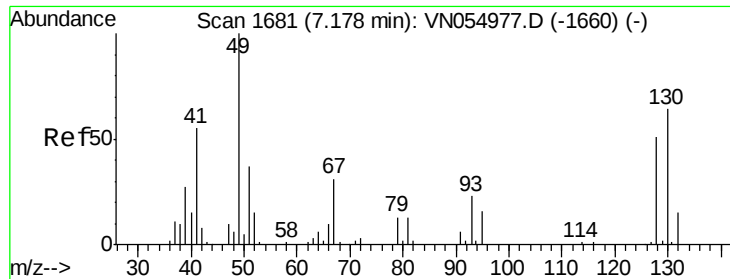
MMDadoda
4/17/2019 4:23:03 AM



#34
Benzene
Concen: 20.258 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.4
51	29.6	23.7	35.5





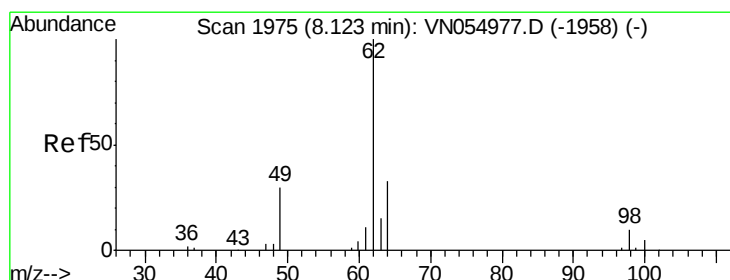
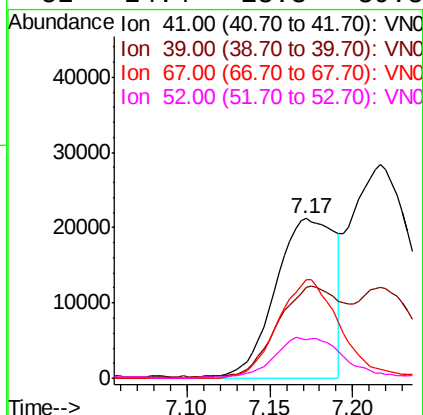
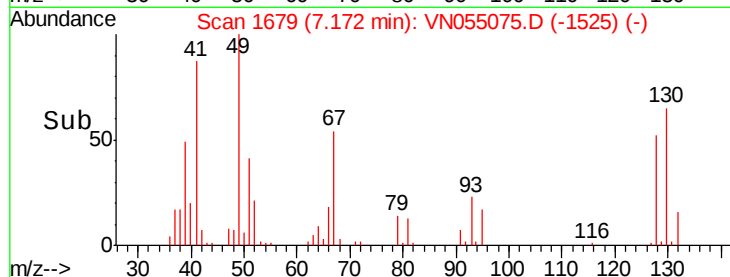
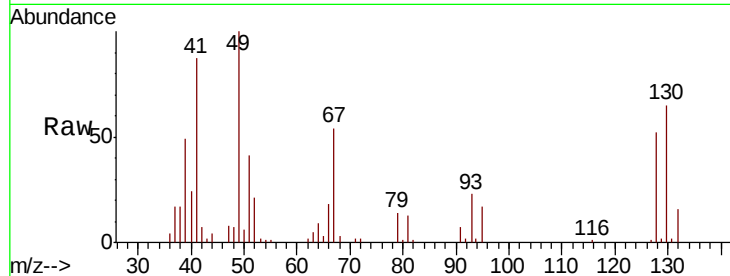
#35
Methacrylonitrile
Concen: 23.228 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	41	Resp	53069
Ion	Ratio	Lower	Upper
41	100		
39	55.5	24.2	72.6
67	61.8	28.1	84.2
52	24.4	13.3	39.8

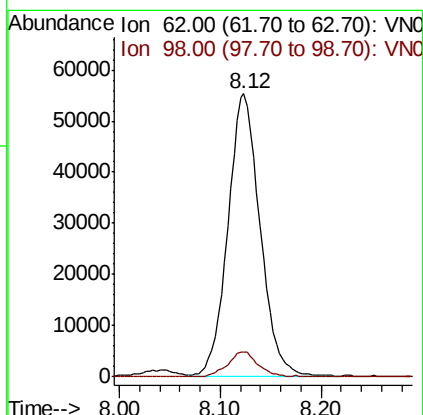
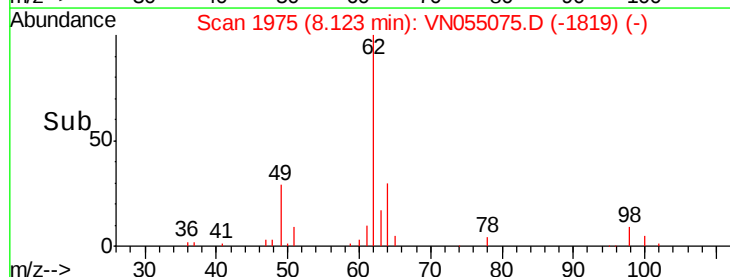
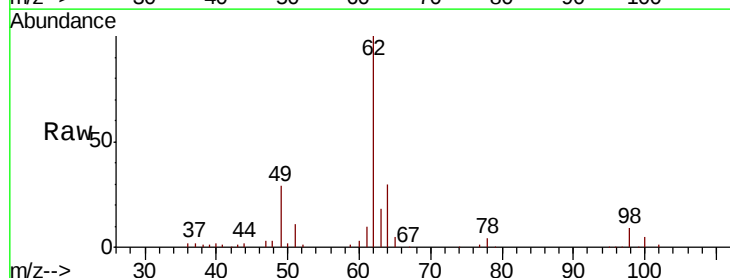
Manual Integrations
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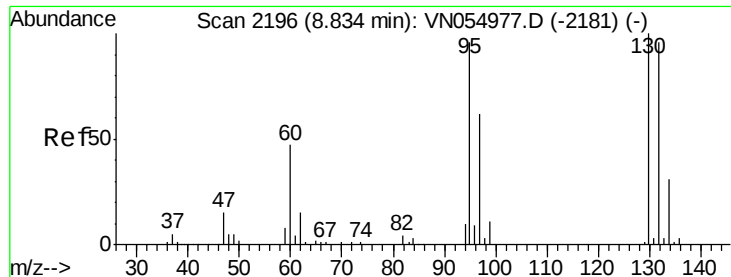
MMDadoda
4/17/2019 4:23:03 AM



#36
1,2-Dichloroethane
Concen: 20.672 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	62	Resp	122266
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.9	10.3





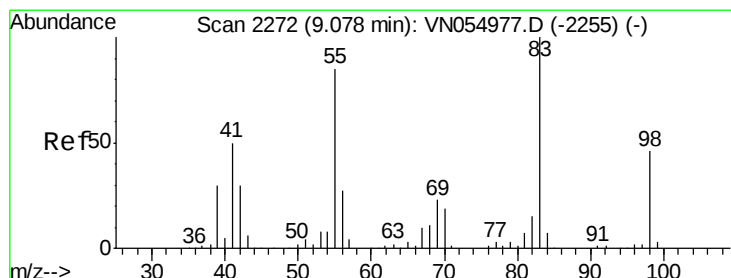
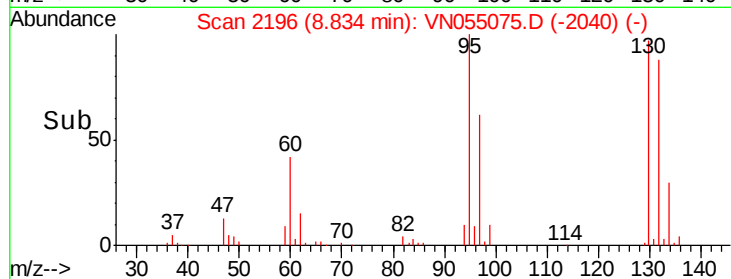
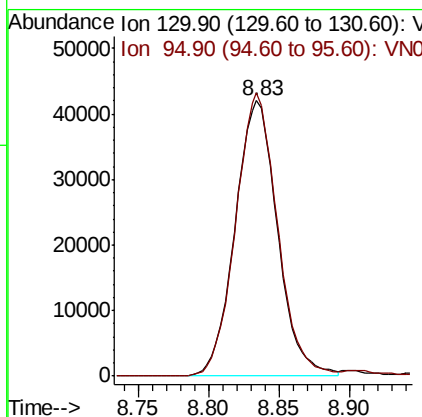
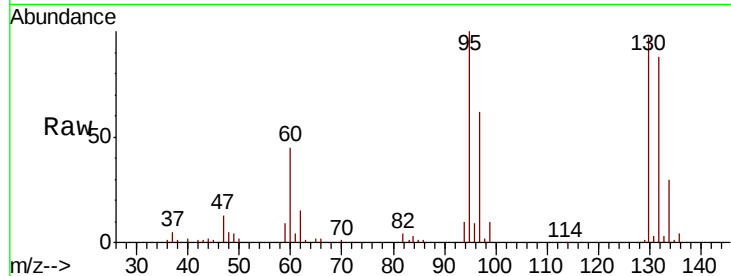
#37
 Trichloroethene
 Concen: 20.125 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion:130 Resp: 88785
 Ion Ratio Lower Upper
 130 100
 95 102.3 76.6 115.0

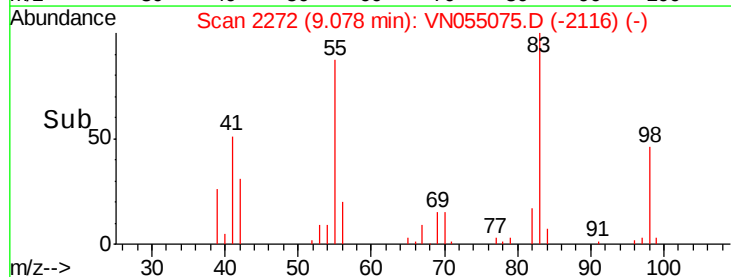
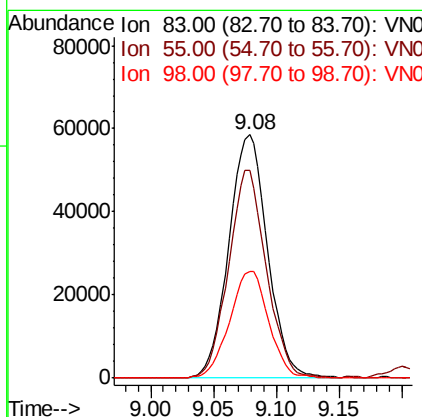
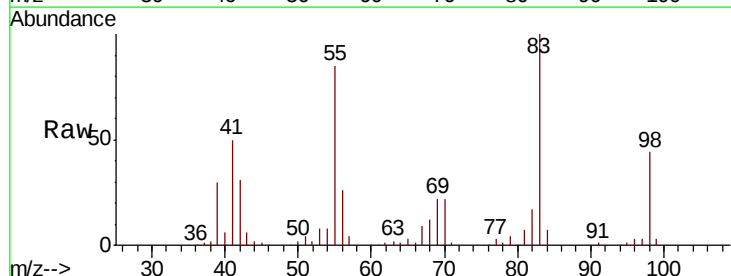
Manual Integrations
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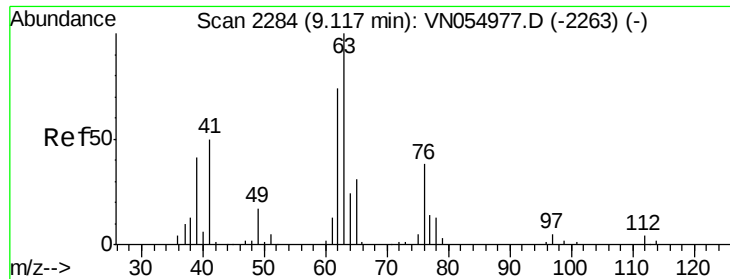
MMDadoda
 4/17/2019 4:23:03 AM



#38
 Methylcyclohexane
 Concen: 18.562 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 83 Resp: 125702
 Ion Ratio Lower Upper
 83 100
 55 82.9 41.9 125.6
 98 44.3 22.4 67.0





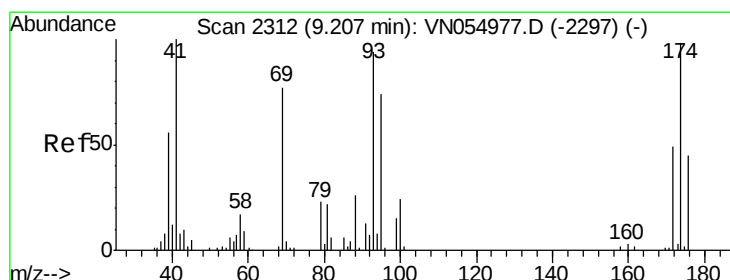
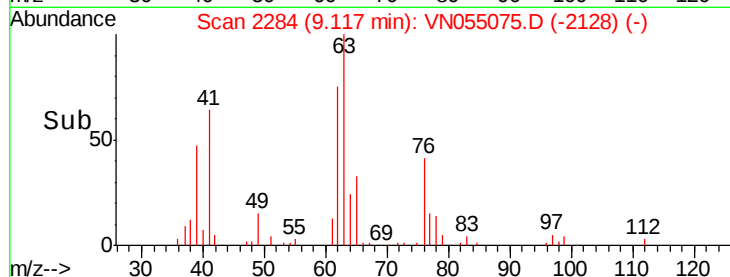
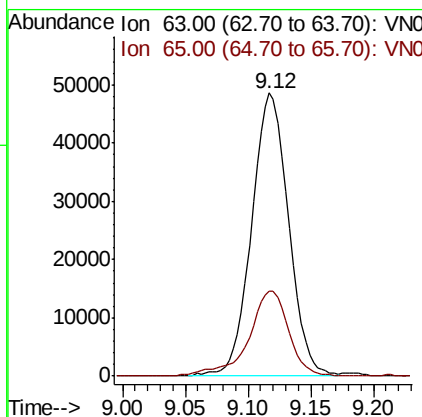
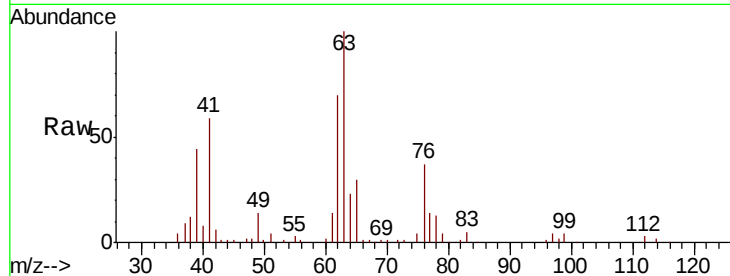
#39
 1,2-Dichloropropane
 Concen: 20.896 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	63	Resp	99848
Ion Ratio	Lower	Upper	
63	100		
65	30.0	24.8	37.2

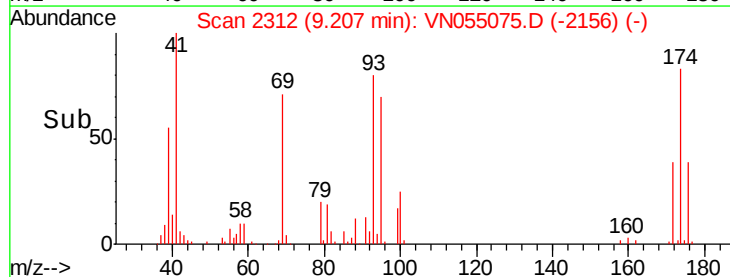
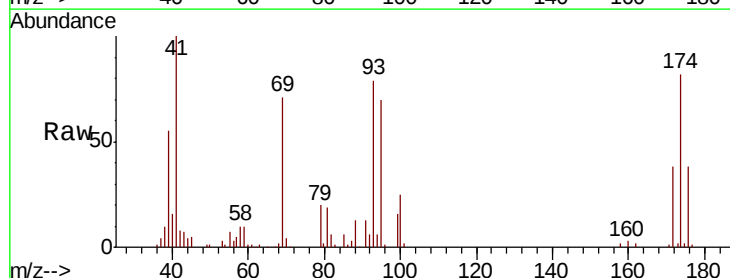
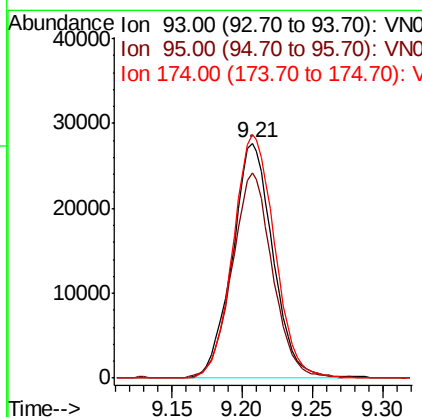
Manual Integrations
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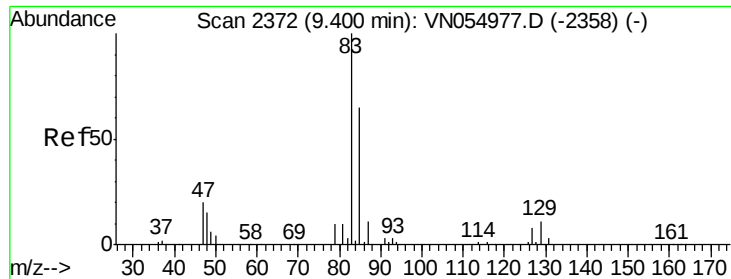
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#40
 Dibromomethane
 Concen: 20.583 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	93	Resp	55594
Ion Ratio	Lower	Upper	
93	100		
95	87.1	0.0	160.8
174	106.1	0.0	206.4





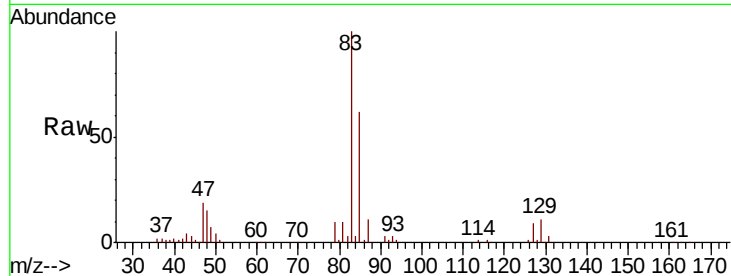
#41
Bromodichloromethane
Concen: 19.423 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

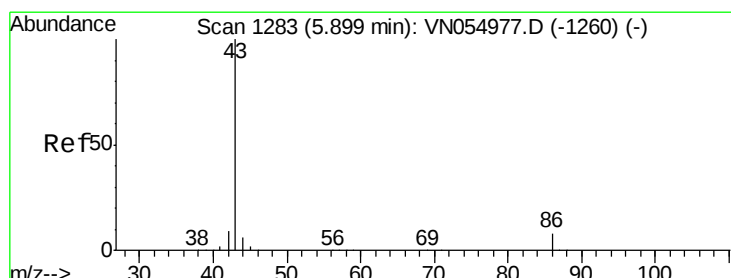
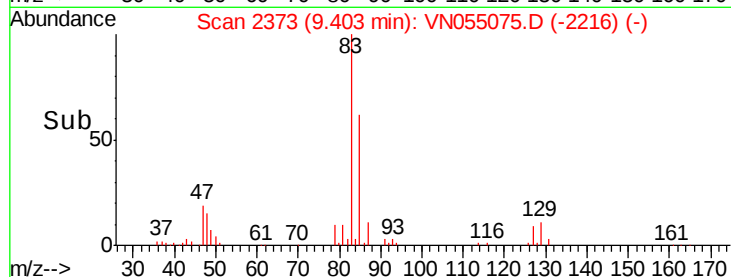
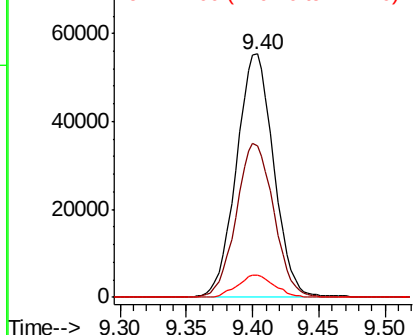
Tot Ion	83	Resp	108266
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	52.0	78.0
127	8.9	7.2	10.8

Manual Integrations
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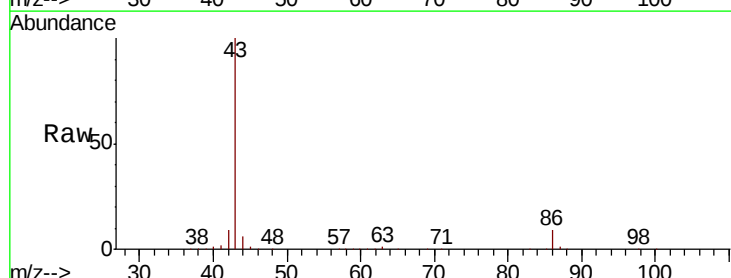


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

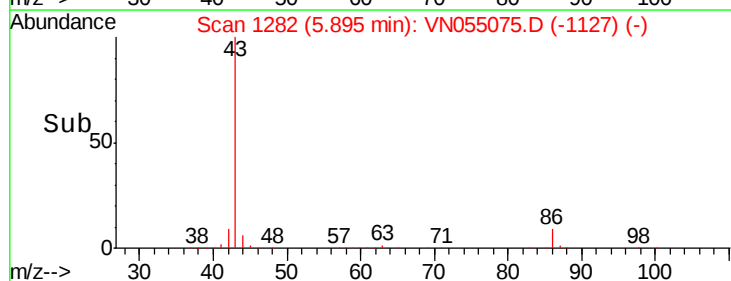
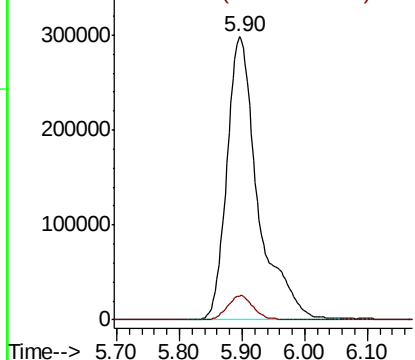


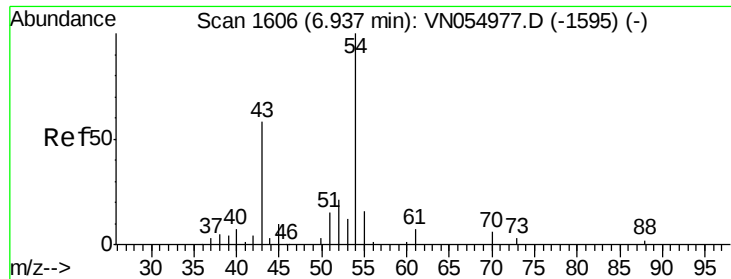
#42
Vinyl Acetate
Concen: 104.677 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	43	Resp	1025817
Ion Ratio	100	Lower	Upper
43	100		
86	7.2	5.7	8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





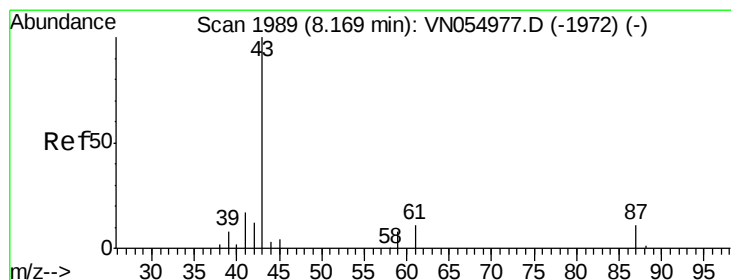
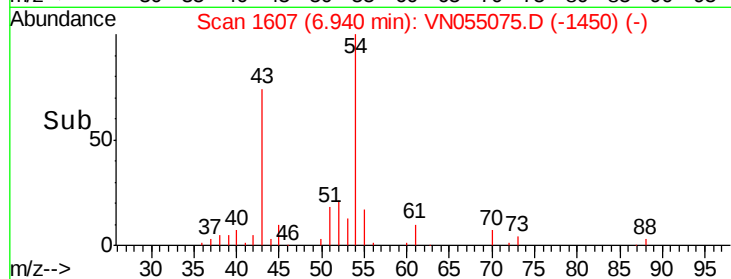
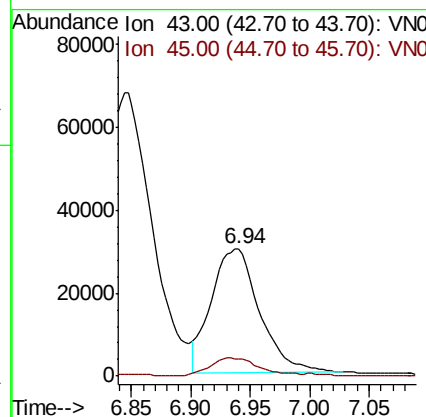
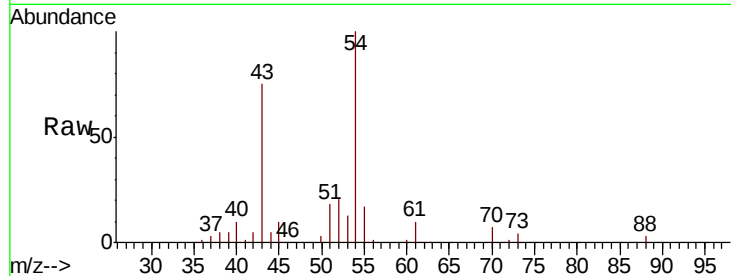
#43
Ethyl Acetate
Concen: 21.340 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion: 43 Resp: 84271
Ion Ratio Lower Upper
43 100
45 13.9 10.6 15.8

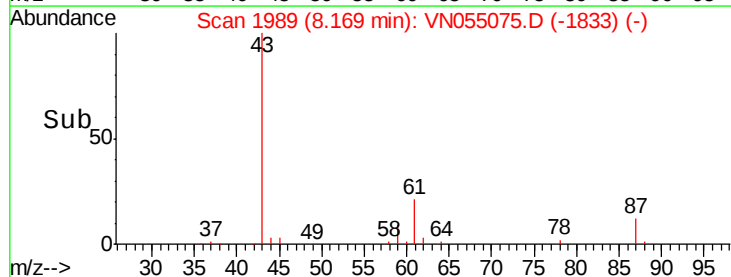
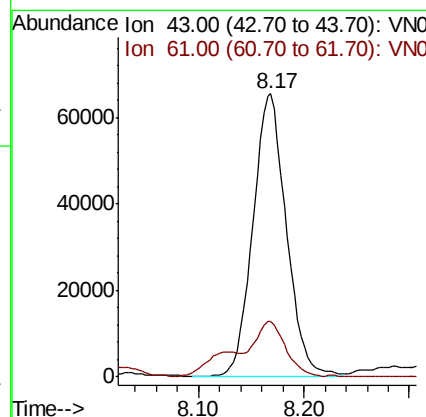
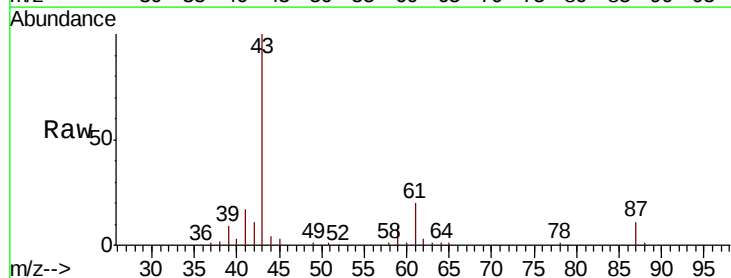
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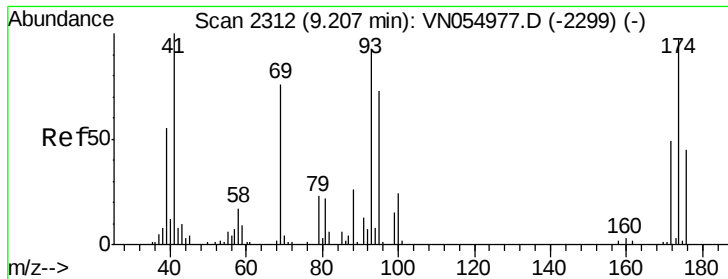
MMDadoda
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#44
Isopropyl Acetate
Concen: 21.456 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 43 Resp: 143589
Ion Ratio Lower Upper
43 100
61 18.2 14.8 22.2





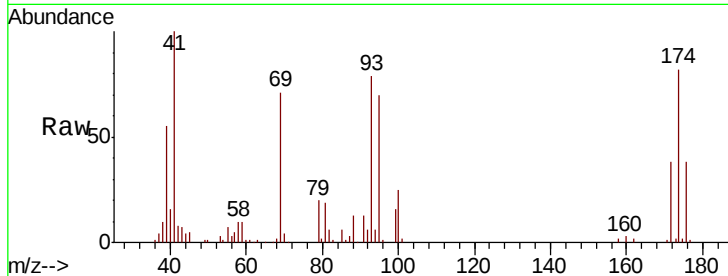
#45
 1,4-Dioxane
 Concen: 249.836 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

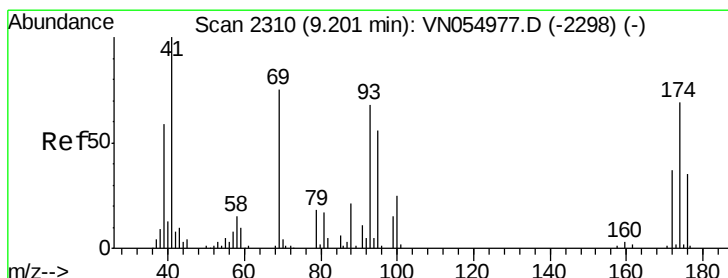
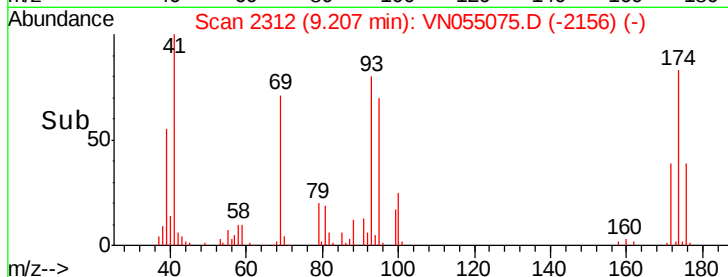
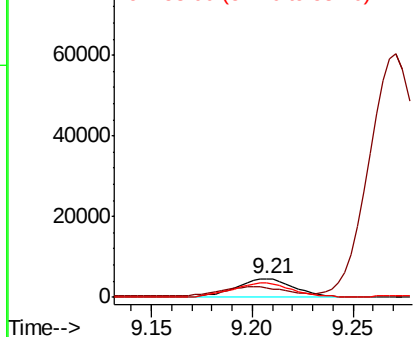
Tot Ion: 88 Resp: 9263
 Ion Ratio Lower Upper
 88 100
 43 53.4 34.5 51.7#
 58 80.4 60.3 90.5

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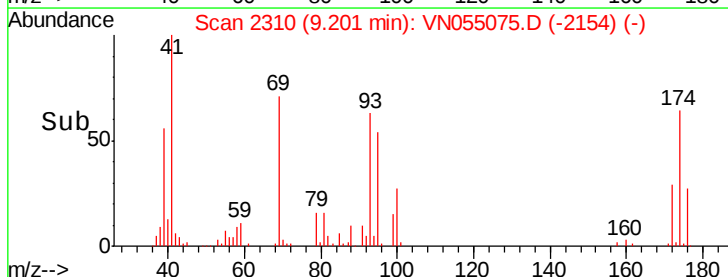
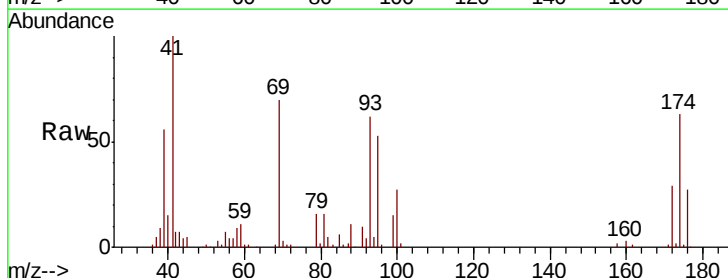
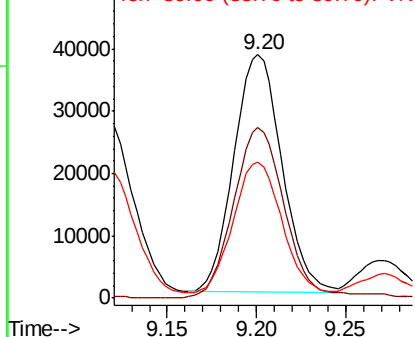
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

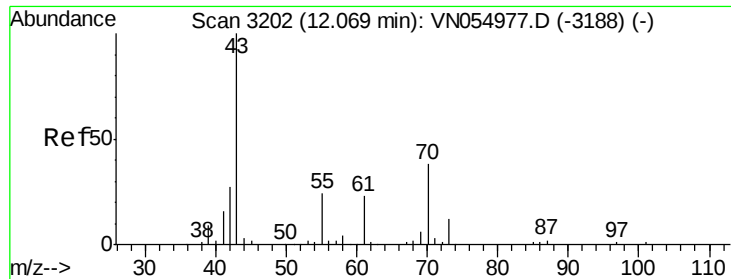


#46
 Methyl methacrylate
 Concen: 20.914 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 41 Resp: 72404
 Ion Ratio Lower Upper
 41 100
 69 71.3 37.3 111.9
 39 55.1 29.4 88.2

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





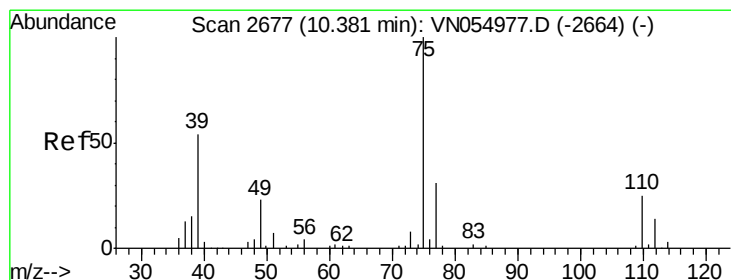
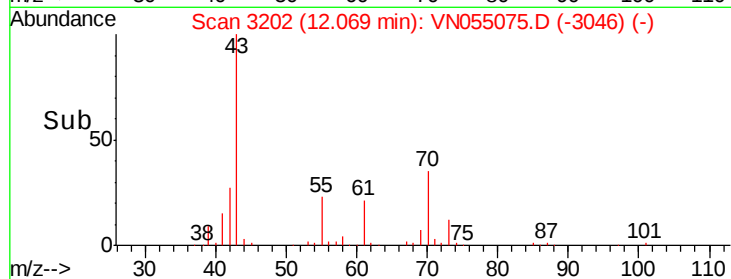
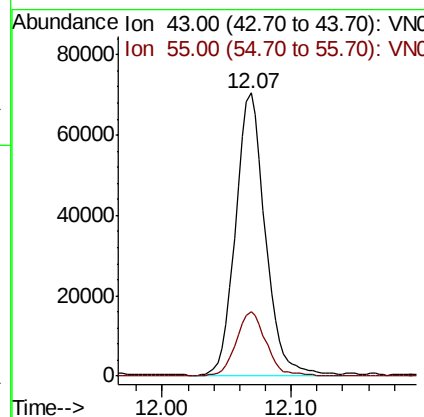
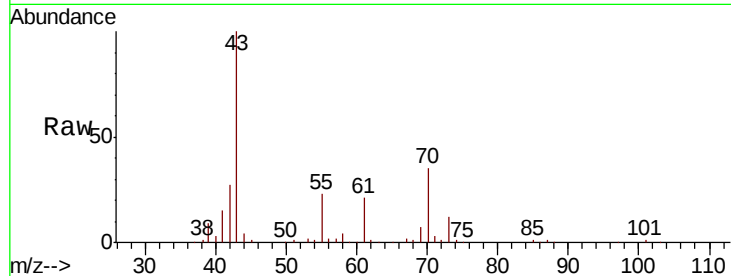
#47
n-amvl Acetate
Concen: 22.745 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	43	55	Ratio	Lower	Upper
112113	100	23.2		19.8	29.6

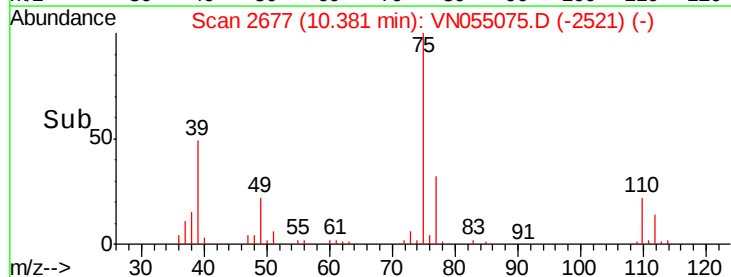
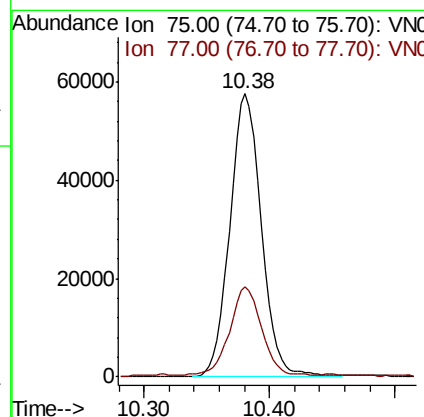
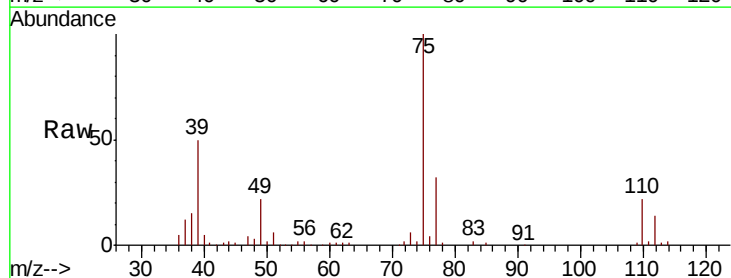
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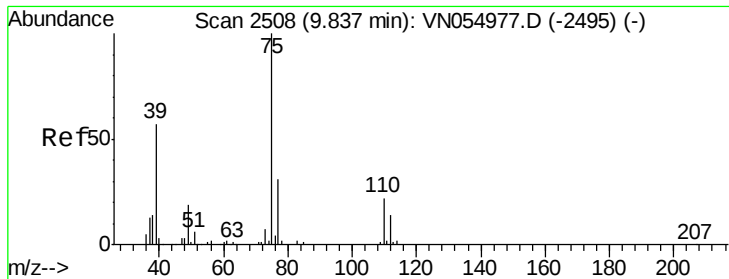
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#48
t-1,3-Dichloropropene
Concen: 19.670 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	75	77	Ratio	Lower	Upper
100686	100	31.5		24.6	37.0





#49

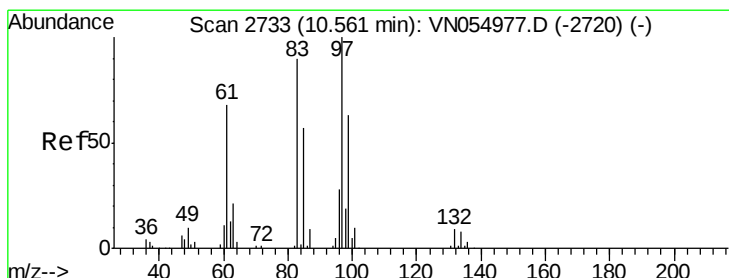
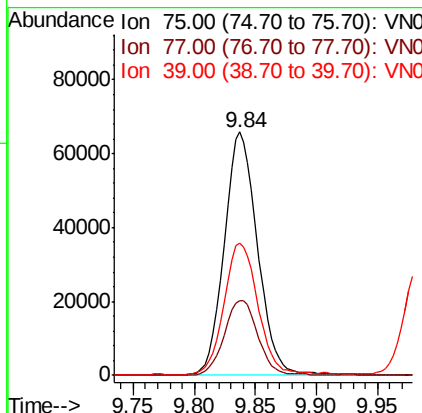
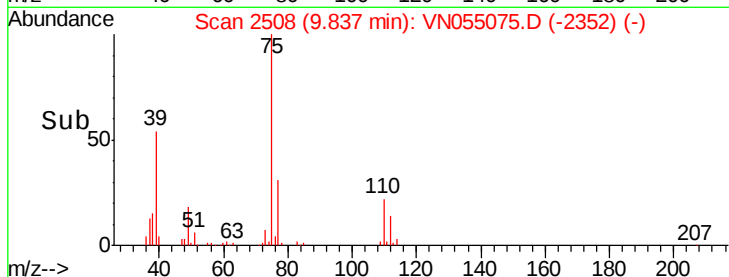
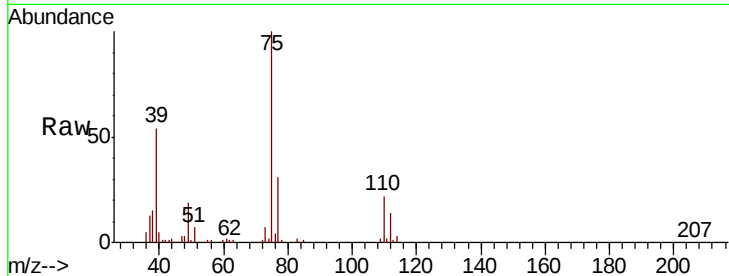
cis-1,3-Dichloropropene
Concen: 19.846 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.7	37.1
39	54.0	45.3	67.9

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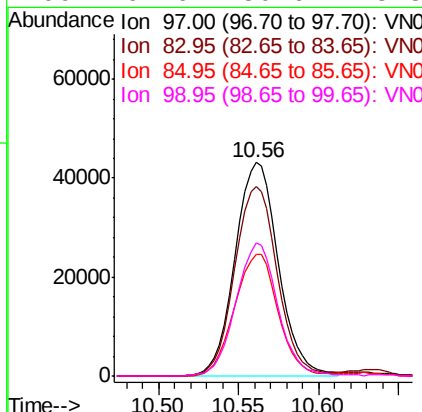
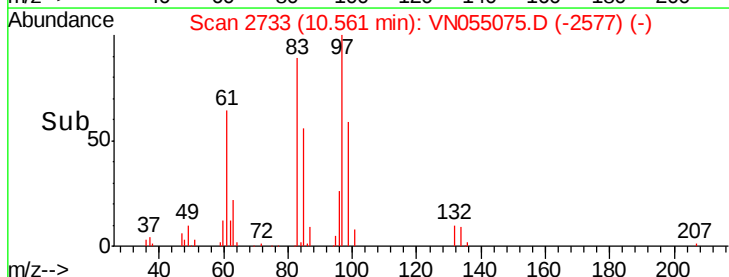
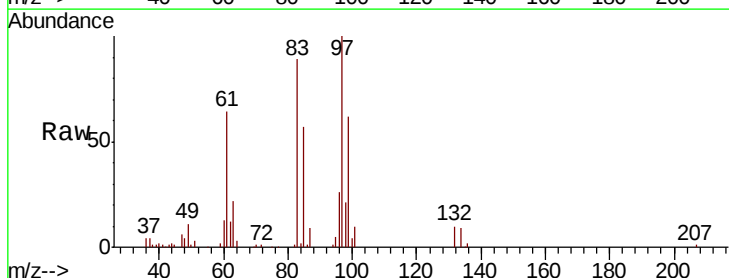
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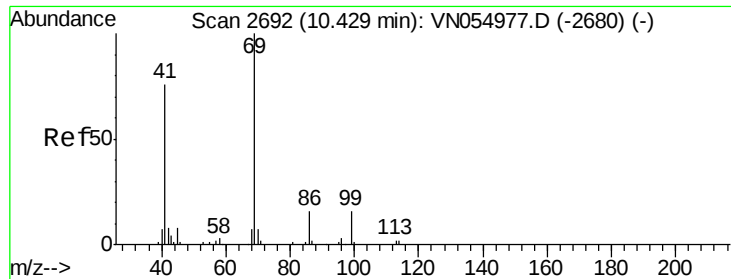


#50

1,1,2-Trichloroethane
Concen: 21.753 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.1	108.1
85	56.8	45.4	68.0
99	61.6	50.6	75.8





#51

Ethyl methacrylate

Concen: 21.283 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

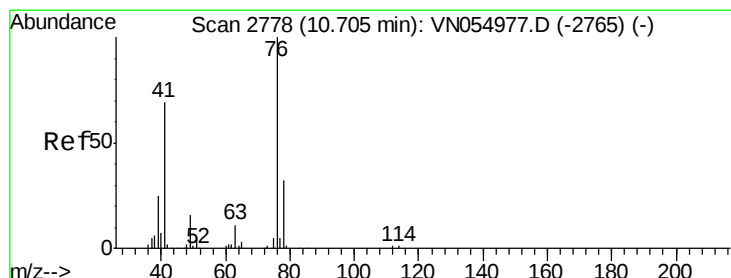
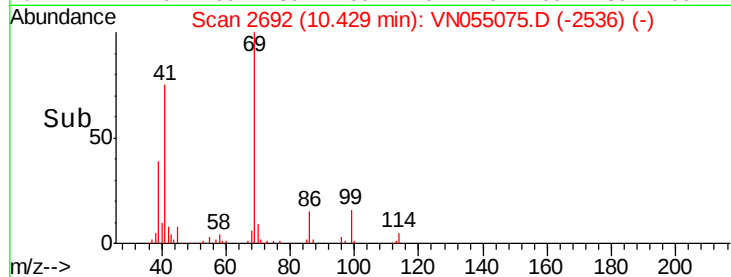
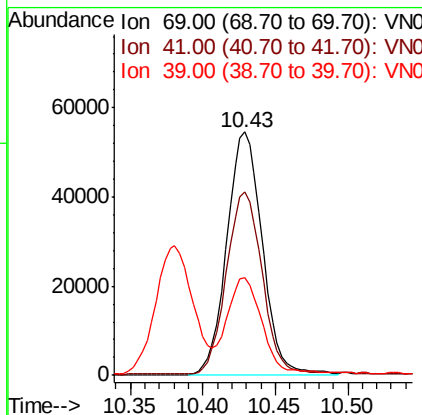
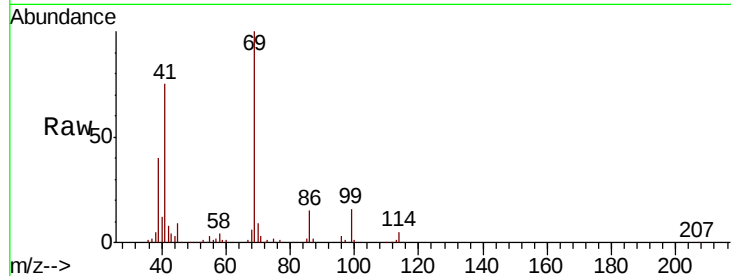
ClientSampleId :

VN0416WBS01

Tot Ion:	69	Resp:	93070
Ion	Ratio	Lower	Upper
69	100		
41	74.3	37.9	113.7
39	38.8	19.8	59.4

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#52

1,3-Dichloropropane

Concen: 21.335 ug/l

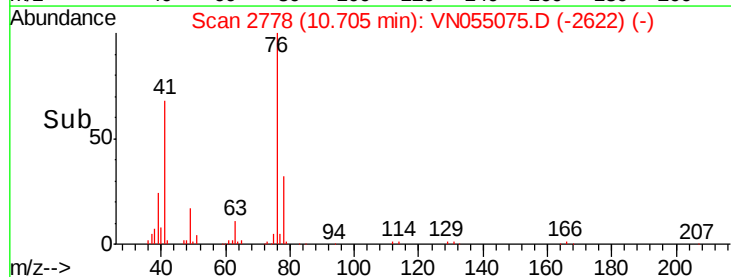
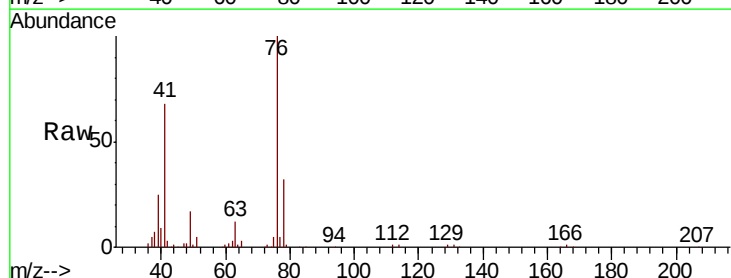
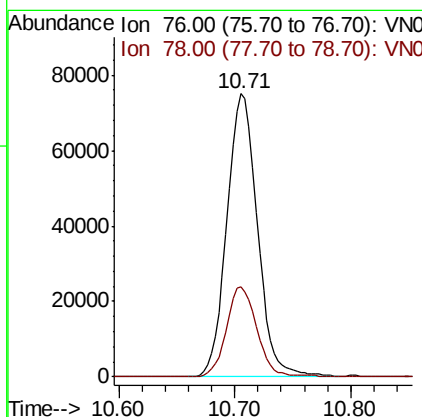
RT: 10.71 min Scan# 2778

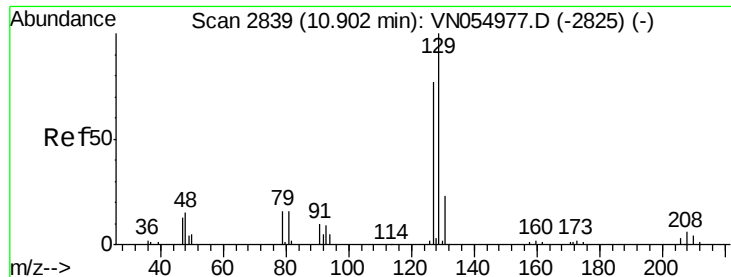
Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Tgt Ion:	76	Resp:	137143
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.4





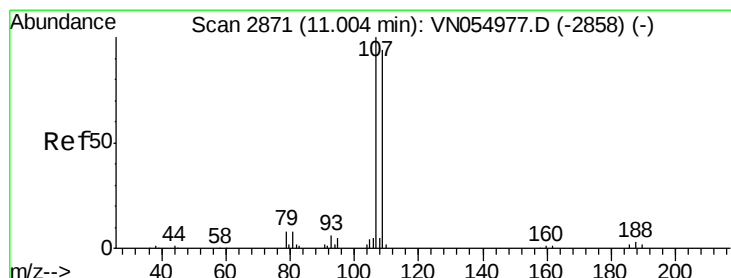
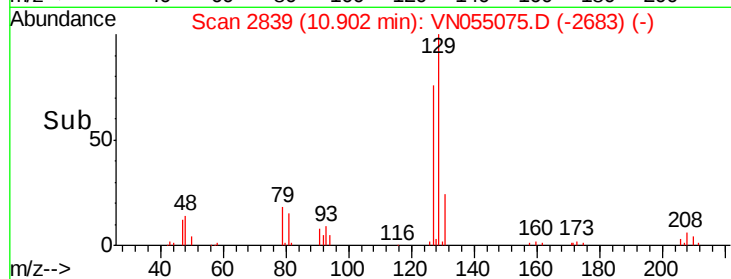
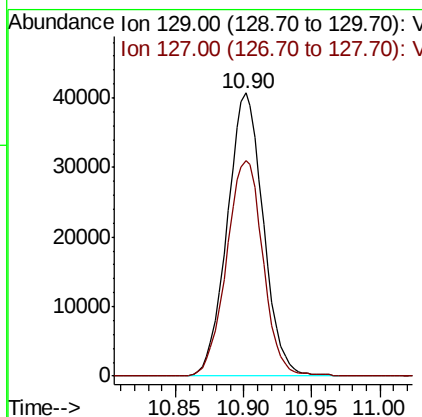
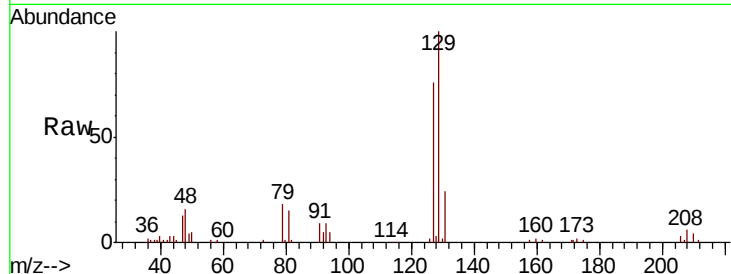
#53
Dibromochloromethane
Concen: 19.749 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion:129 Resp: 74625
Ion Ratio Lower Upper
129 100
127 77.0 37.8 113.3

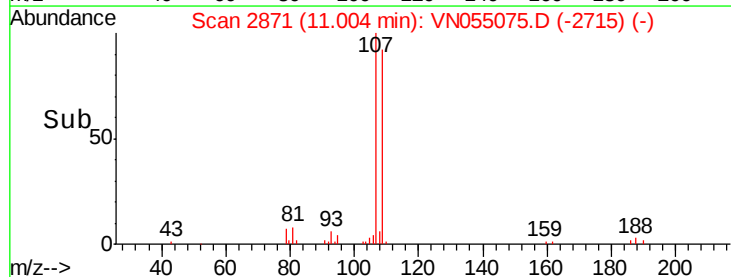
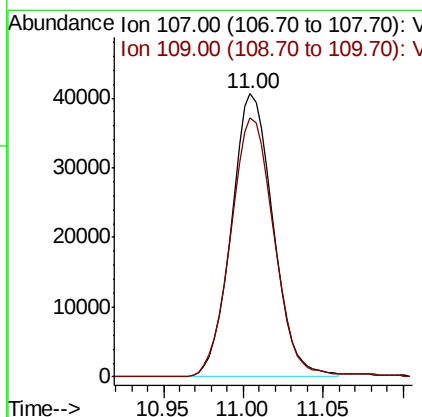
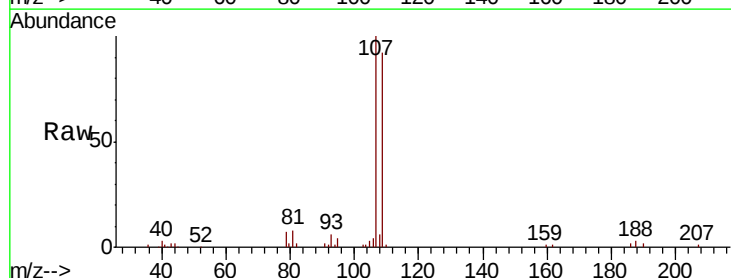
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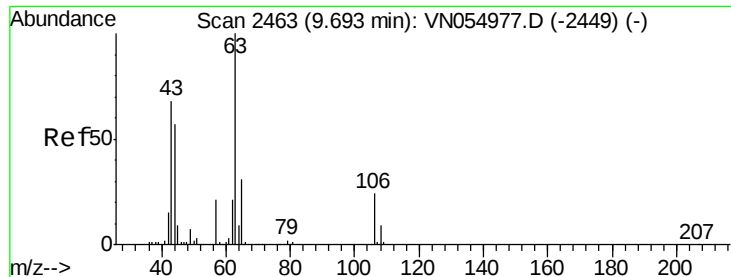
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#54
1,2-Dibromoethane
Concen: 20.988 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:107 Resp: 72282
Ion Ratio Lower Upper
107 100
109 95.3 76.2 114.2





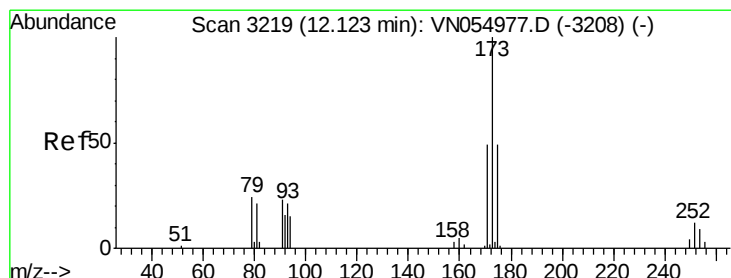
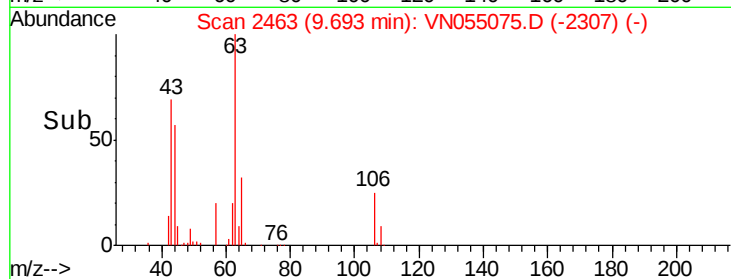
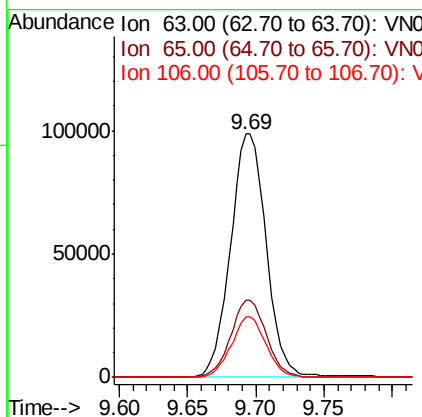
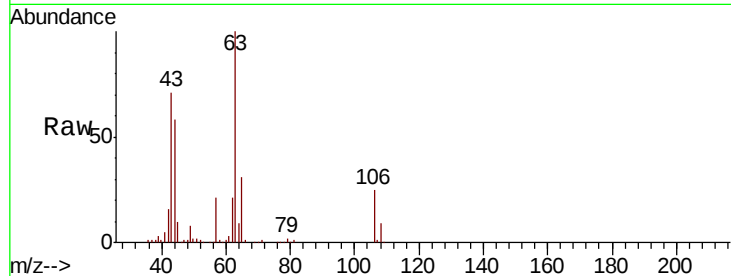
#55
2-Chloroethyl vinyl ether
Concen: 98.080 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion:	63	Resp:	179306
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.0
106	24.1	19.8	29.6

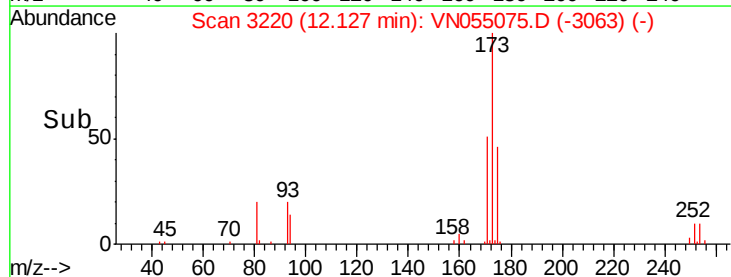
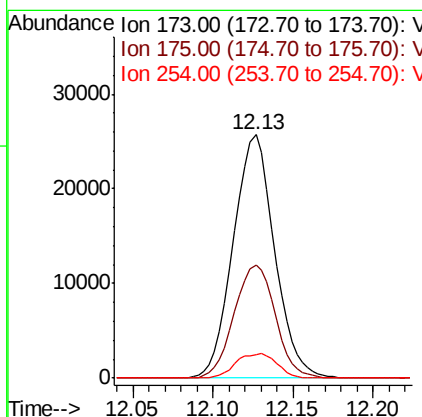
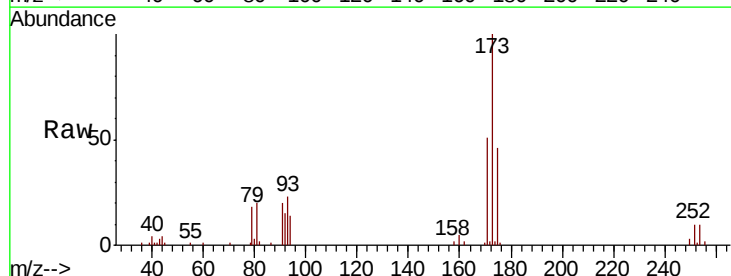
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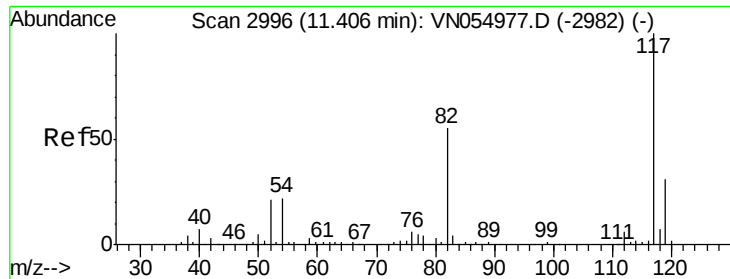
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#56
Bromoform
Concen: 19.073 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:	173	Resp:	45287
Ion	Ratio	Lower	Upper
173	100		
175	46.2	38.6	57.8
254	10.0	6.8	10.2





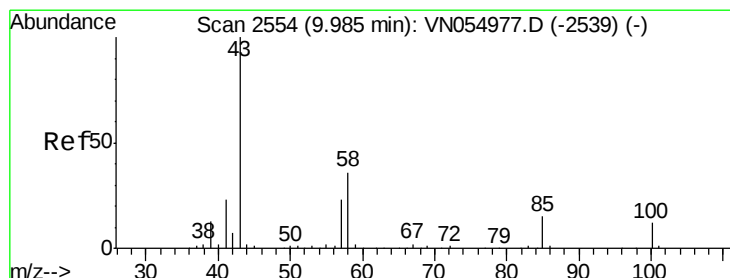
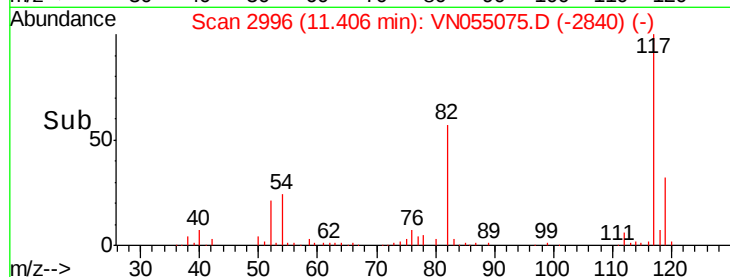
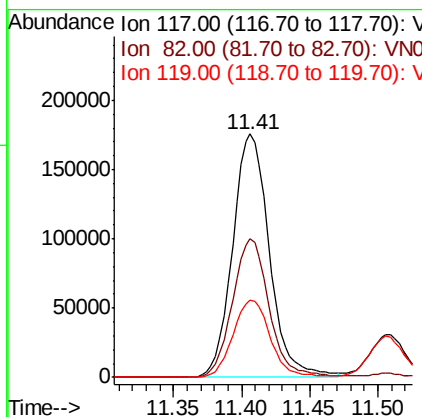
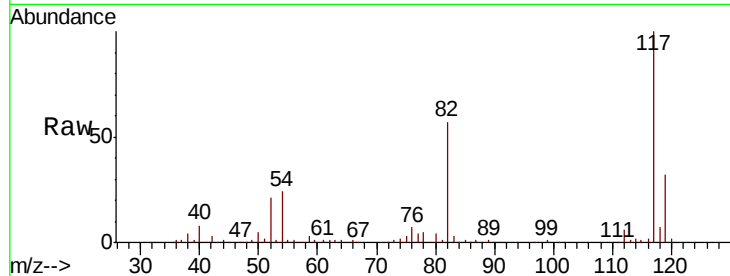
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.2	67.8
119	32.6	25.4	38.2

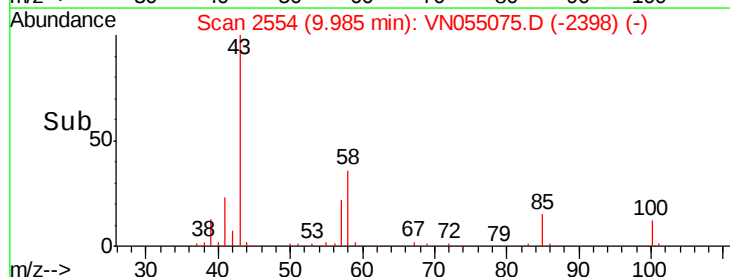
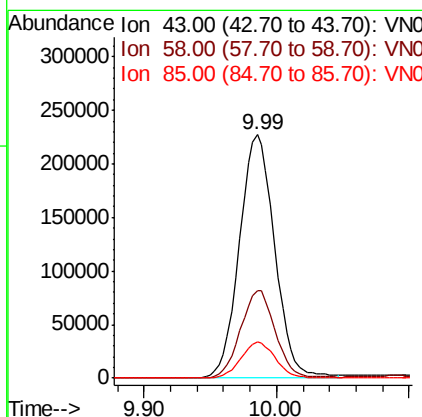
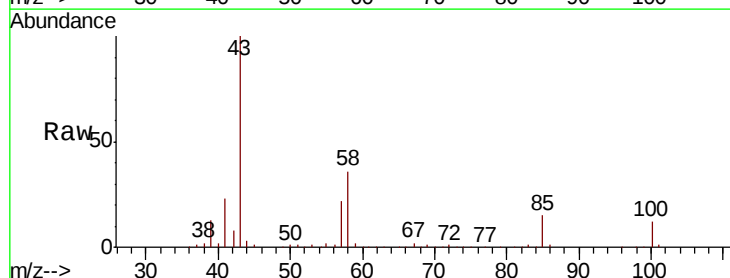
Manual Integrations
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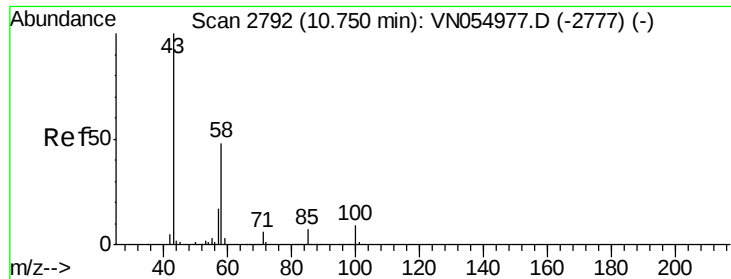
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#58
4-Methyl-2-Pentanone
Concen: 110.517 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.7	43.1
85	14.7	11.8	17.6





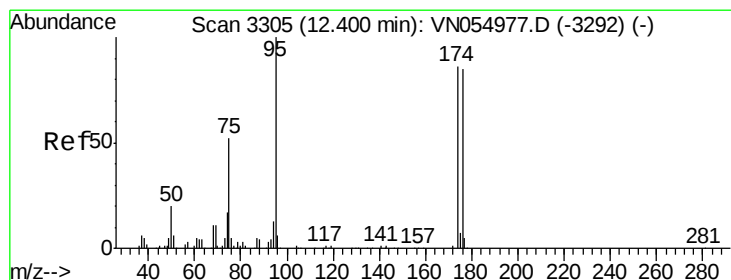
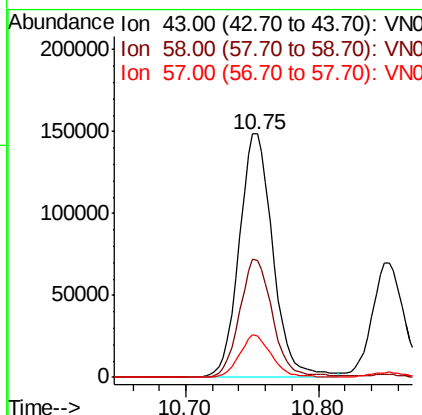
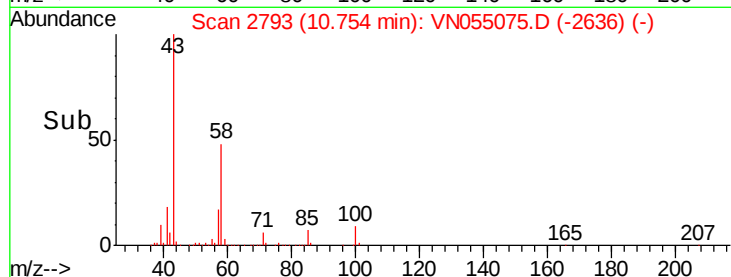
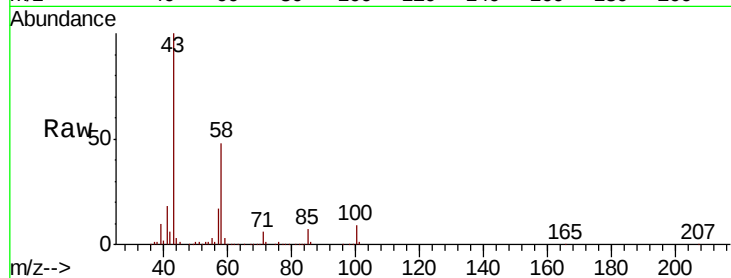
#59
2-Hexanone
Concen: 108.051 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.8	58.2
57	16.7	13.8	20.6

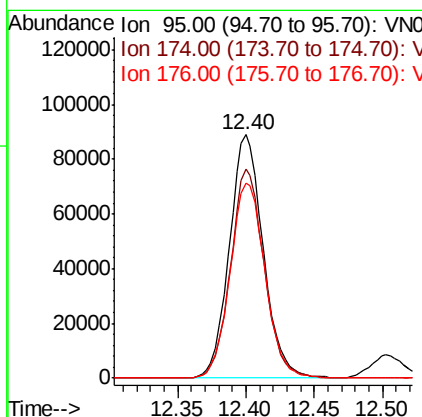
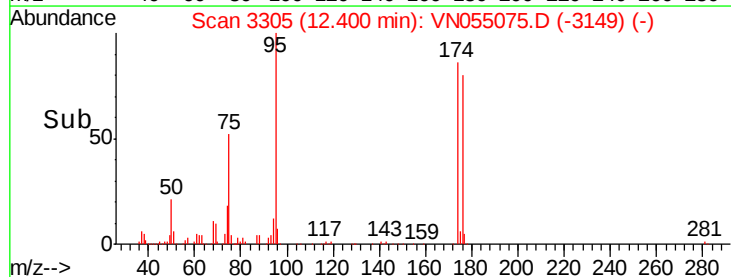
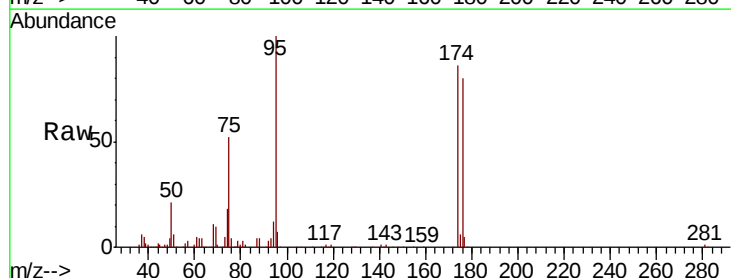
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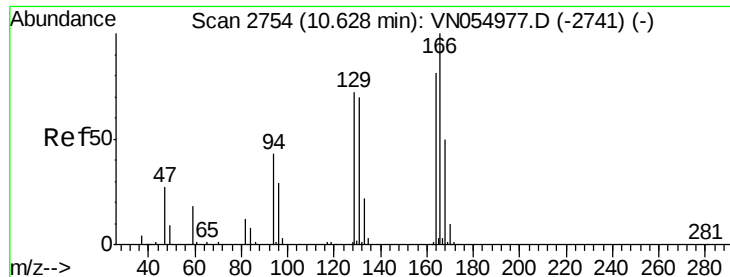
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#60
4-Bromofluorobenzene
Concen: 108.051 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	69.4	104.2
176	82.7	67.4	101.2





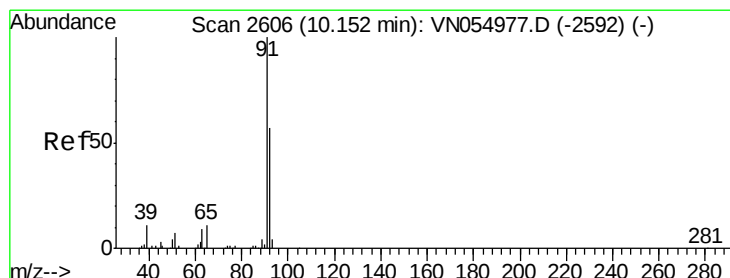
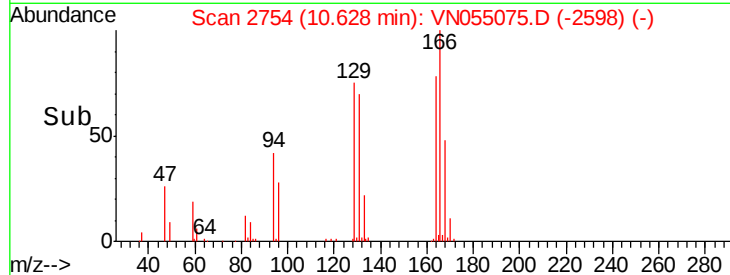
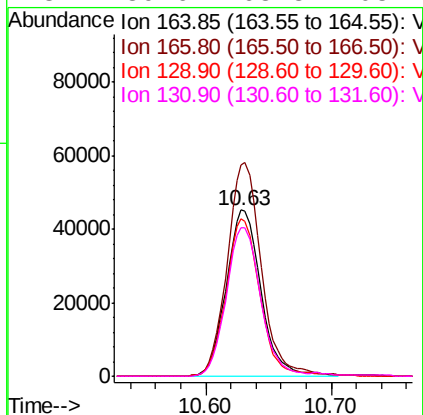
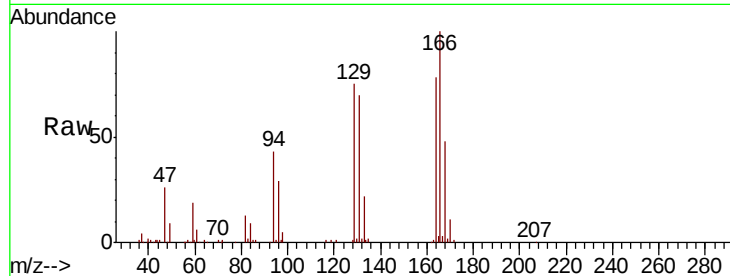
#61
Tetrachloroethene
Concen: 20.332 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	99.0	148.4
129	95.2	71.4	107.0
131	89.6	68.8	103.2

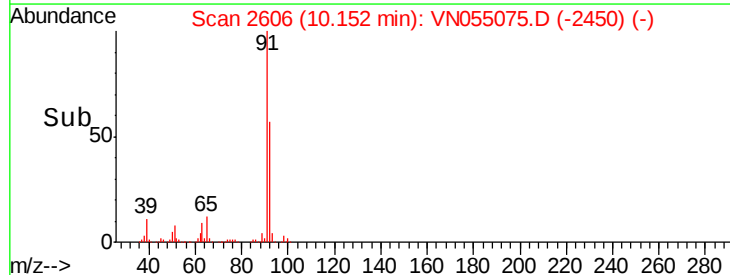
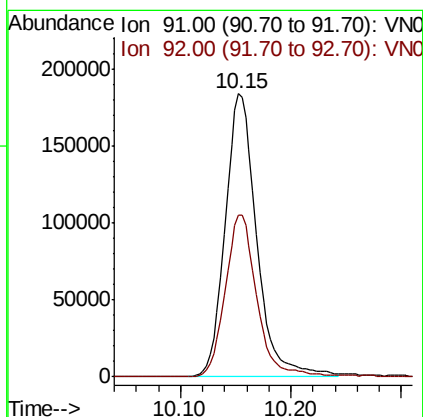
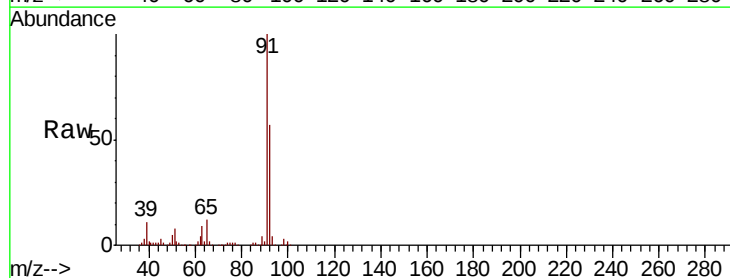
Manual Integrations
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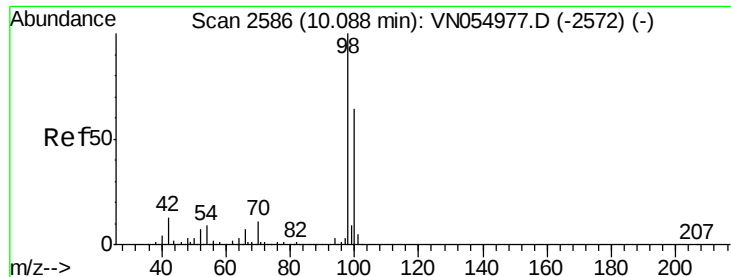
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#62
Toluene
Concen: 20.147 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.8	67.2





#63

Toluene-d8

Concen: 20.147 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 98 Resp: 474657

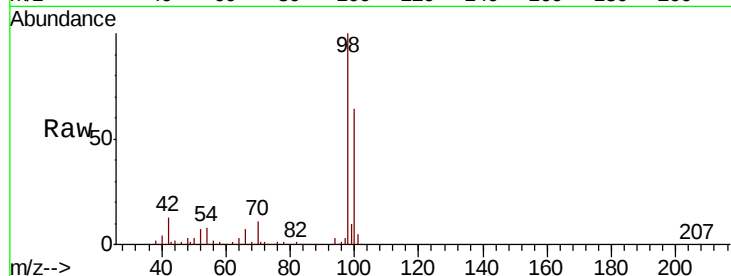
Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7

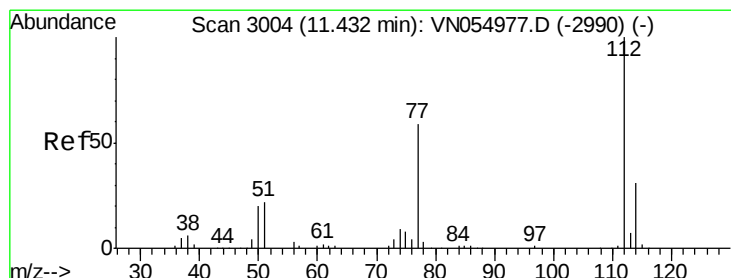
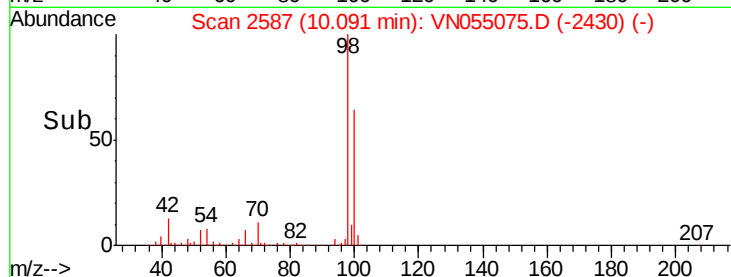
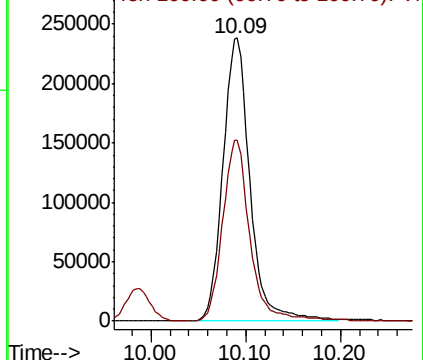
Manual Integrations
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Abundance Ion 98.00 (97.70 to 98.70): VN055075.D (-2430) (-)

Ion 100.00 (99.70 to 100.70): VN055075.D (-2430) (-)



#64

Chlorobenzene

Concen: 20.571 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055075.D

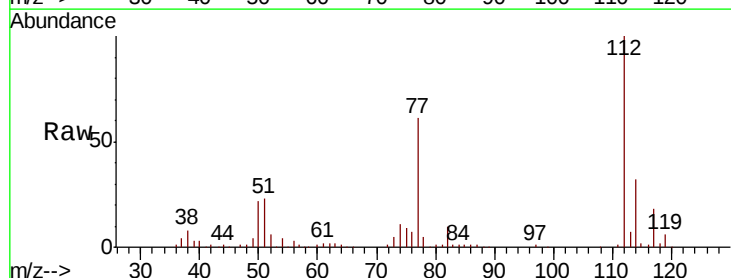
Acq: 16 Apr 2019 13:48

Tgt Ion: 112 Resp: 224940

Ion Ratio Lower Upper

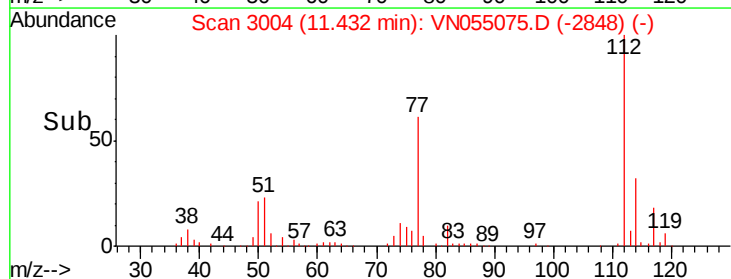
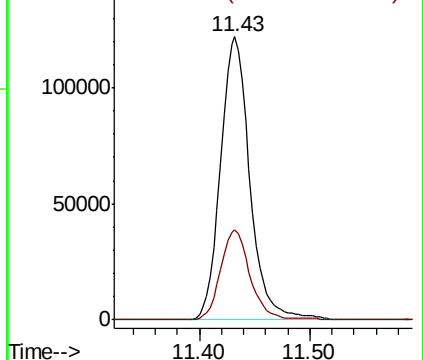
112 100

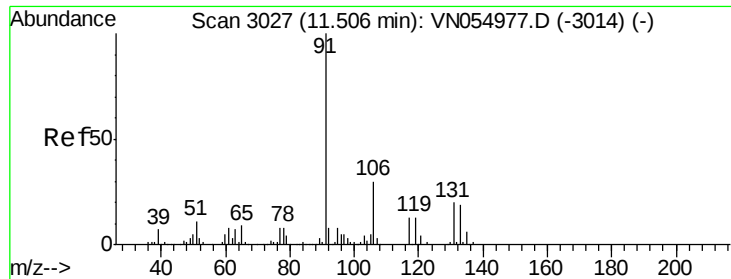
114 31.8 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN055075.D (-2848) (-)

Ion 114.00 (113.70 to 114.70): VN055075.D (-2848) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.451 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

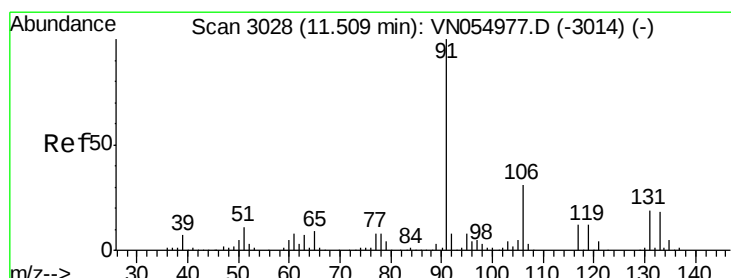
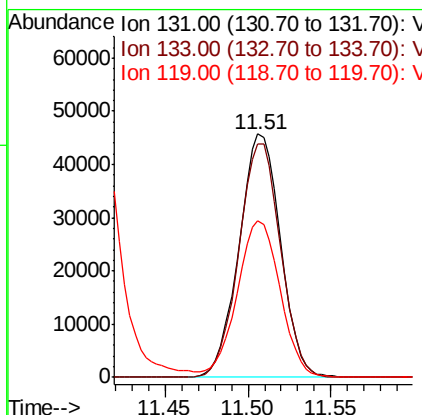
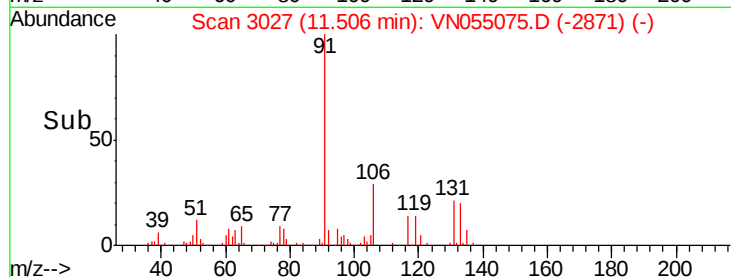
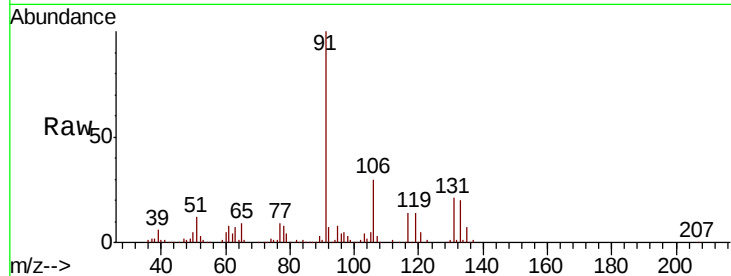
ClientSampleId :

VN0416WBS01

Tot Ion:	131	Resp:	79536
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	187.8
119	66.4	0.0	131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.266 ug/l

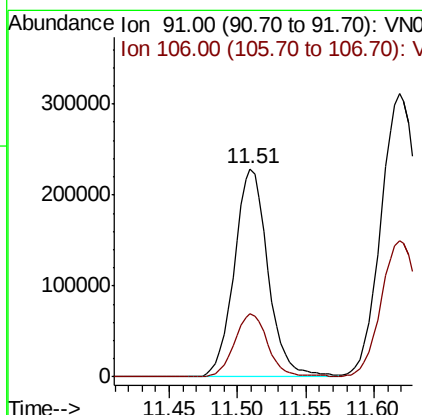
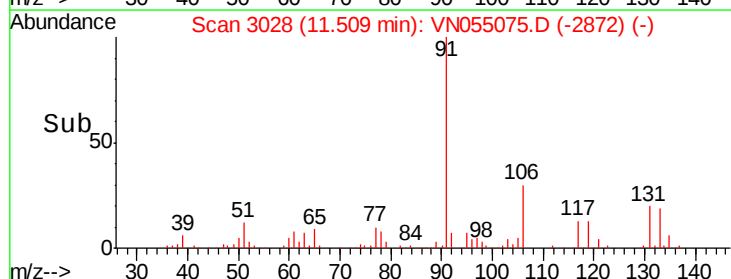
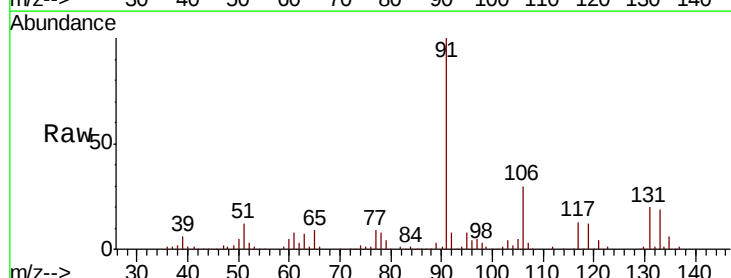
RT: 11.51 min Scan# 3028

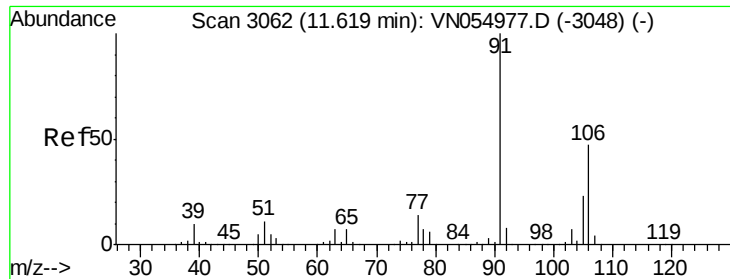
Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Tgt Ion:	91	Resp:	393501
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.6	36.8





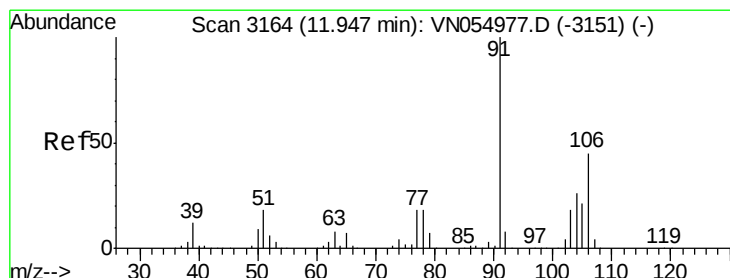
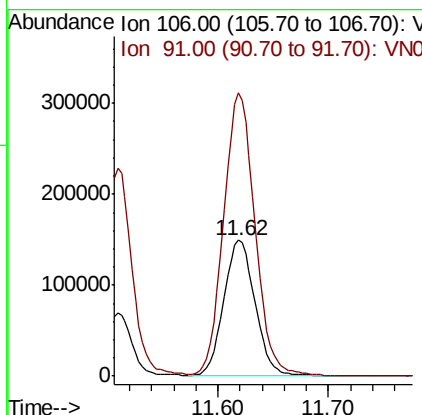
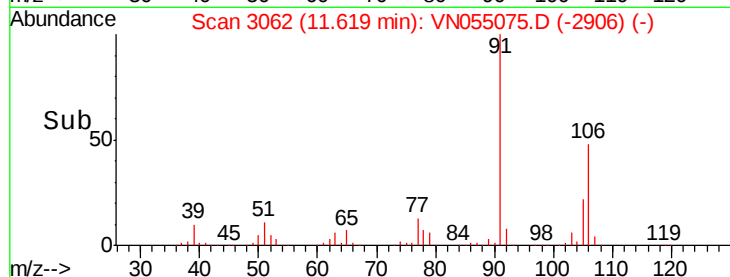
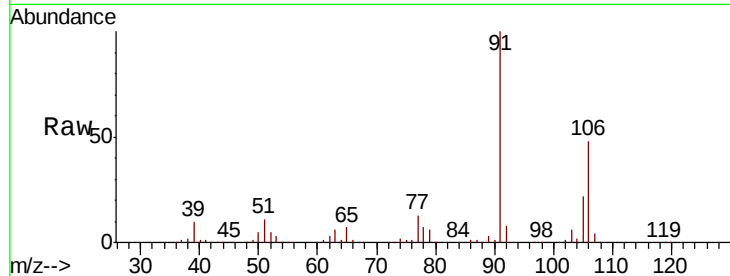
#67
m/p-Xvlenes
Concen: 41.012 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion:106 Resp: 295990
Ion Ratio Lower Upper
106 100
91 208.6 167.4 251.2

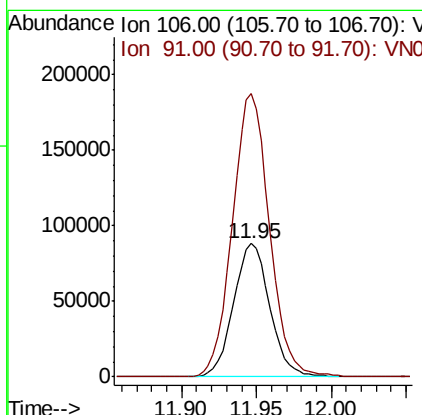
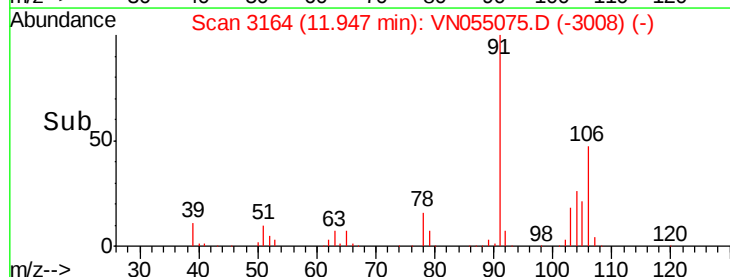
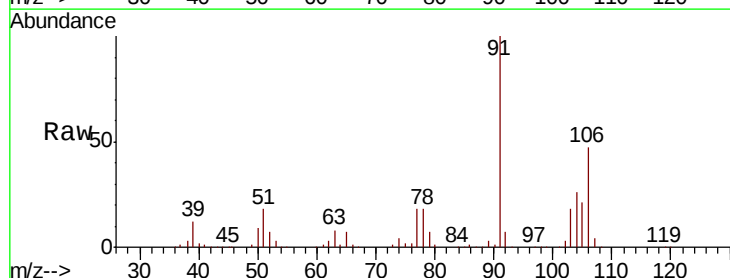
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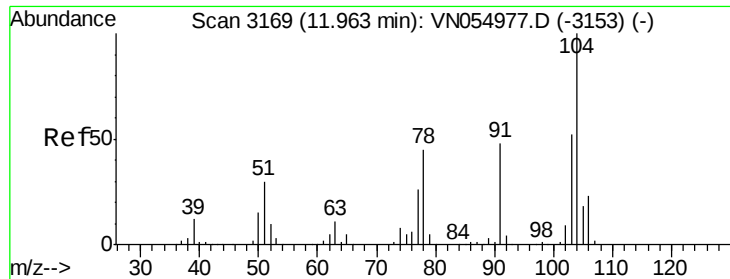
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#68
o-Xylene
Concen: 20.889 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:106 Resp: 148990
Ion Ratio Lower Upper
106 100
91 216.9 110.3 330.8





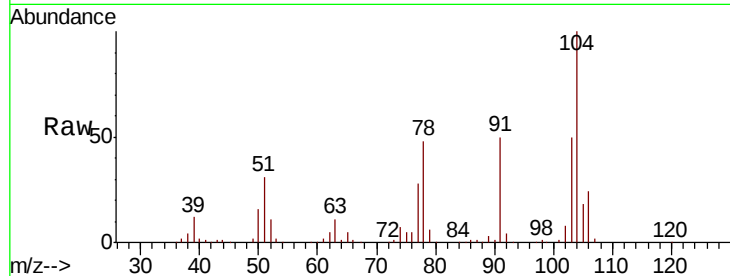
#69
Stvrene
Concen: 20.237 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

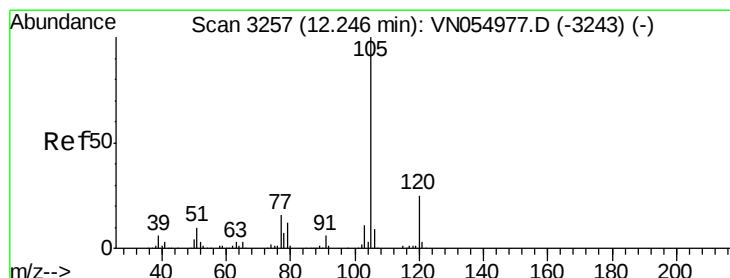
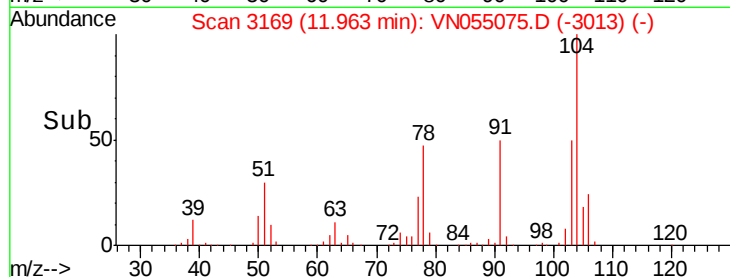
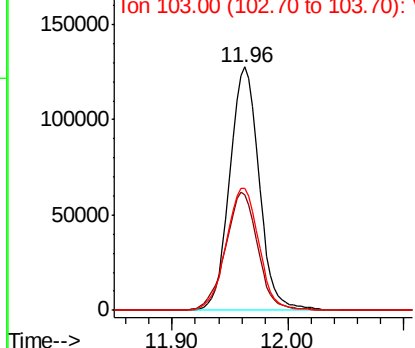
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.2	61.8
103	56.0	44.6	67.0

Manual Integrations
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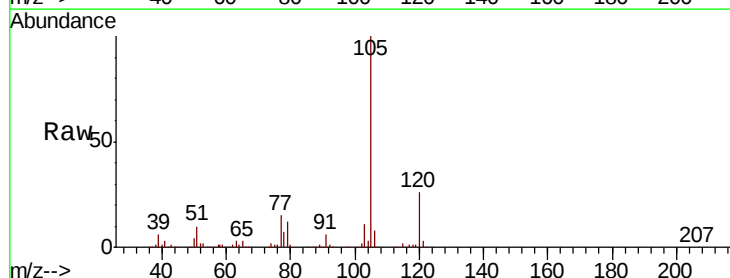


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

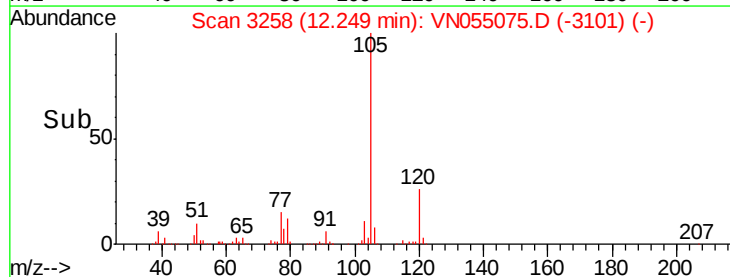
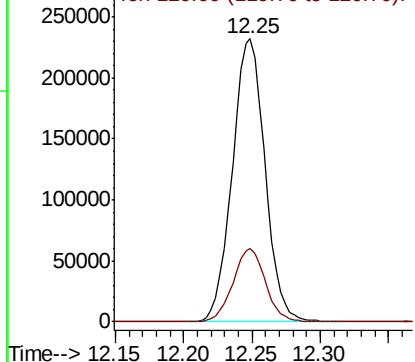


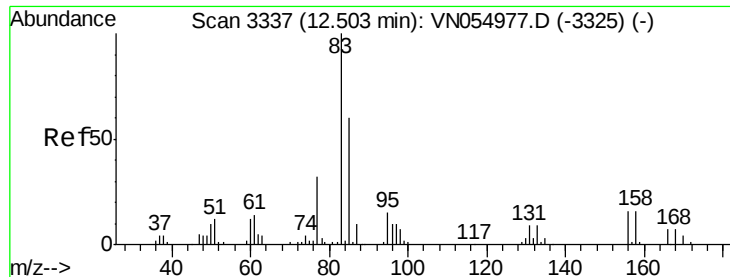
#70
Isopropylbenzene
Concen: 20.254 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.3	33.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 21.651 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

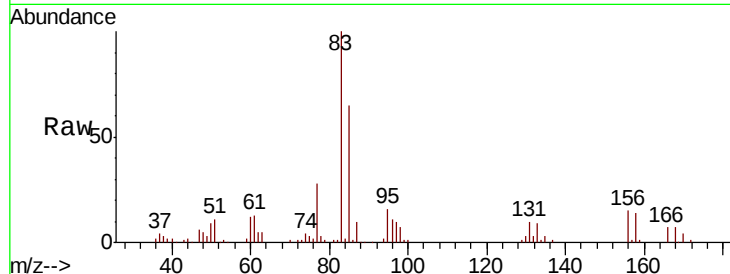
ClientSampleId :

VN0416WBS01

Tot Ion:	83	Resp:	94431
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.6	13.8
85	64.7	30.9	92.5

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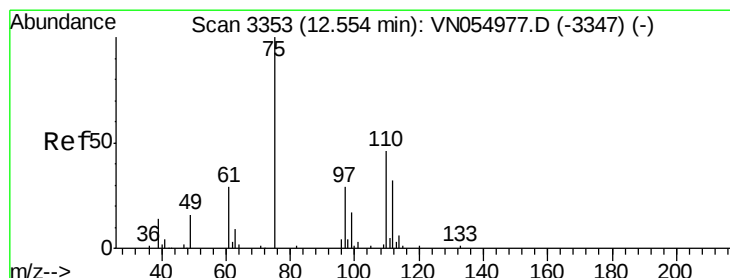
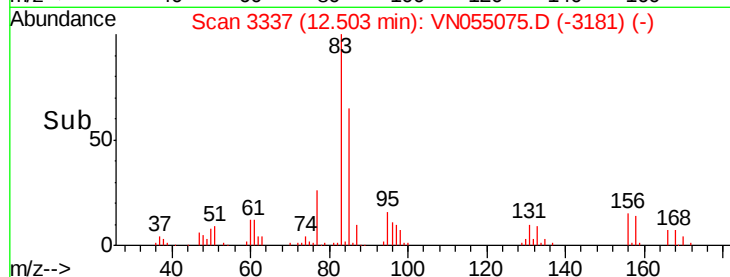
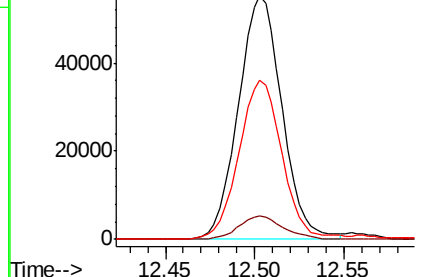
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Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-3325) (-)

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: 23.044 ug/l m

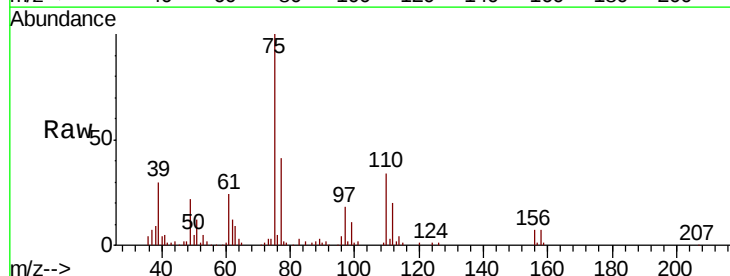
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055075.D

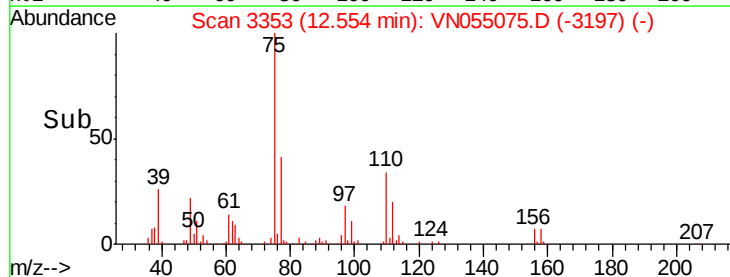
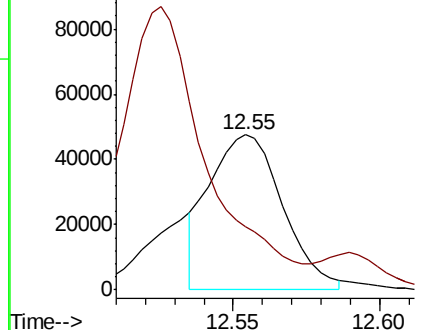
Acq: 16 Apr 2019 13:48

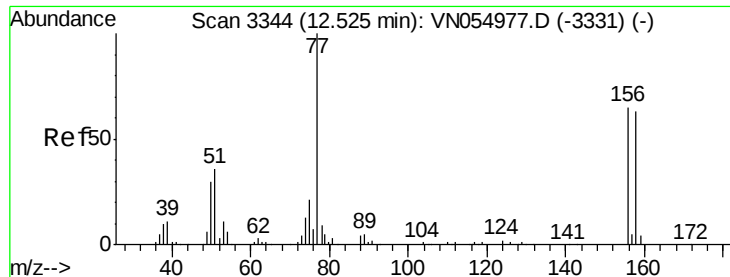
Tgt Ion:	75	Resp:	83005
Ion Ratio	Lower	Upper	
75	100		
77	214.1	0.0	466.6



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: 20.185 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

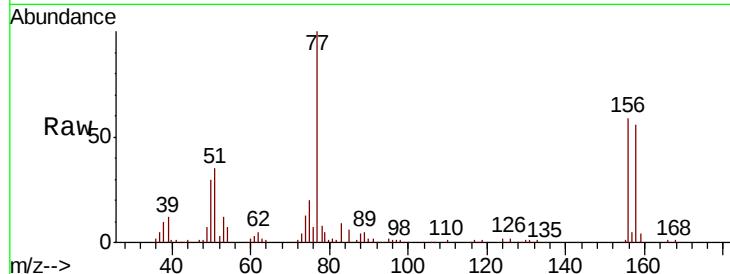
ClientSampled :

VN0416WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.3	0.0	383.2
158	97.0	0.0	193.8

Manual Integrations
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4/17/2019 4:23:03 AM

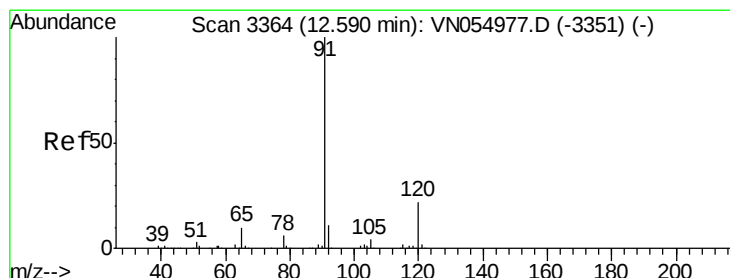
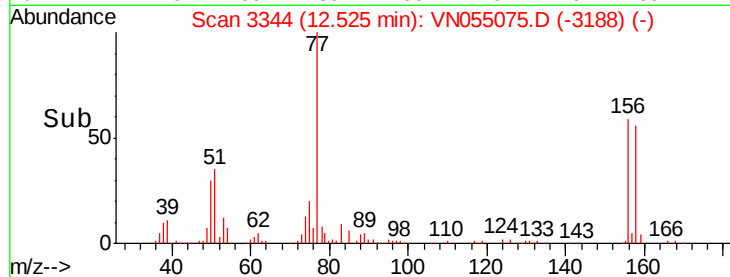
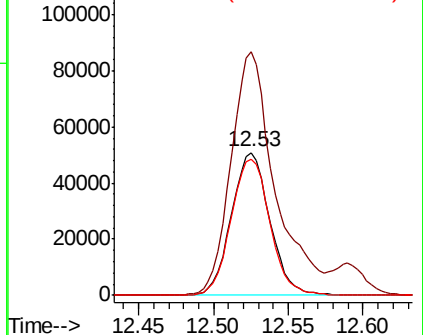


Abundance

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: 20.145 ug/l

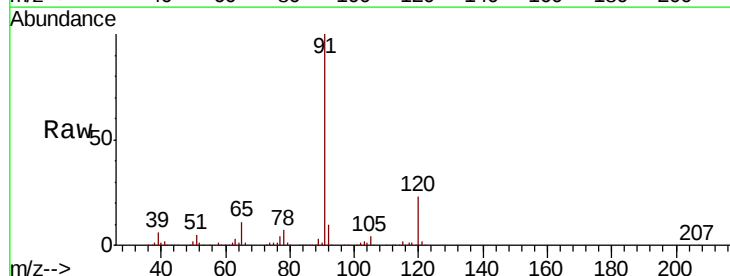
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

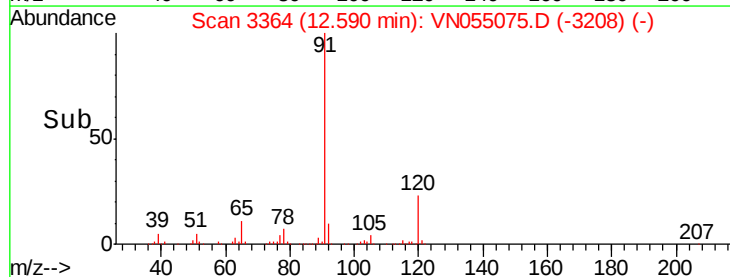
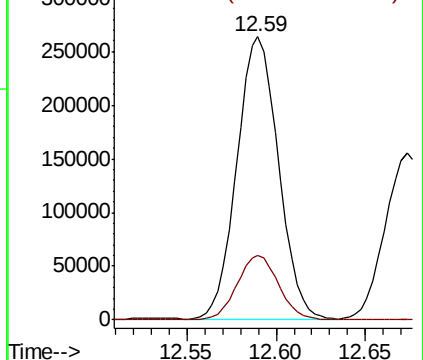
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	44.4

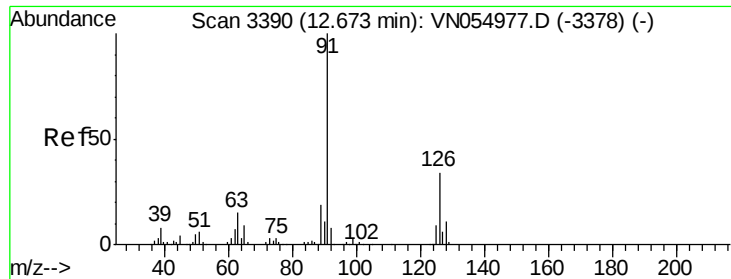


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.693 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion: 91 Resp: 266431

Ion Ratio Lower Upper

91 100

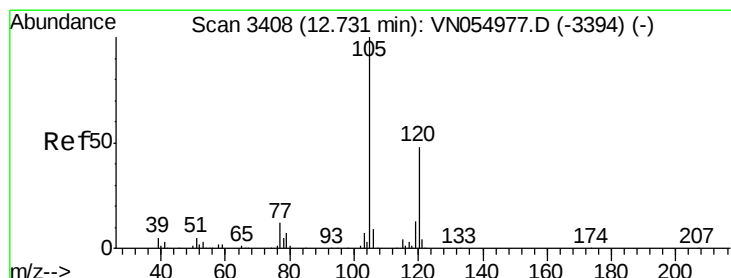
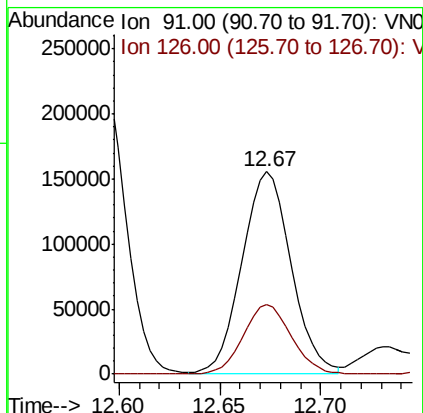
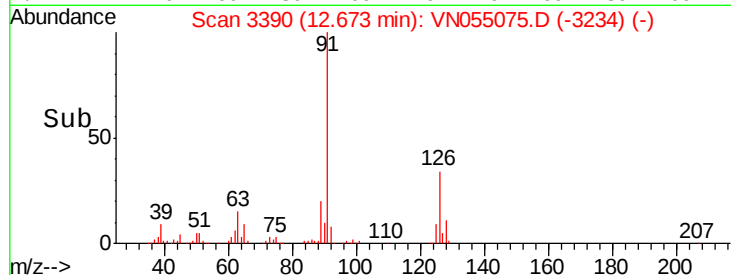
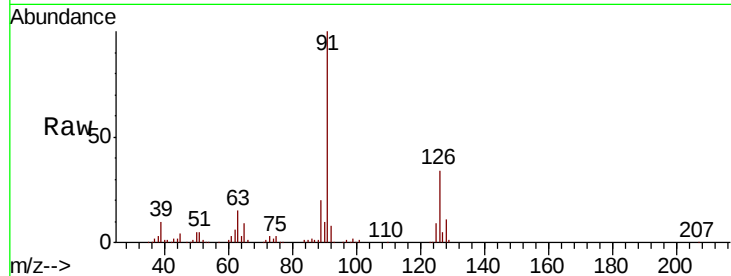
126 33.7 0.0 67.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.562 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055075.D

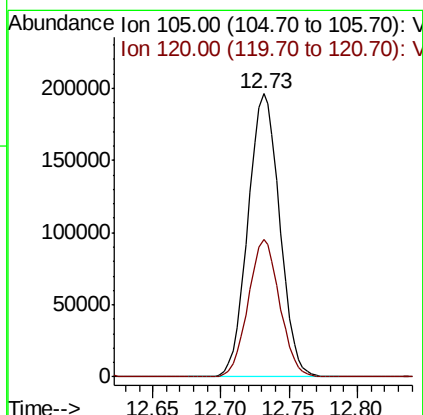
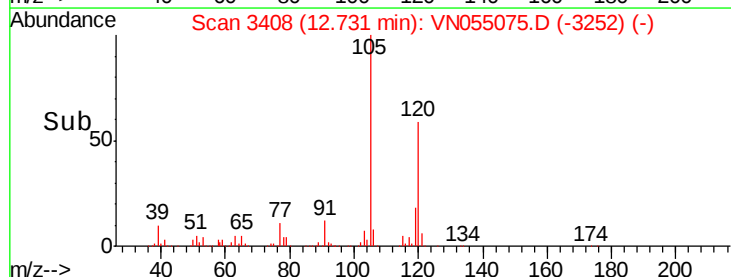
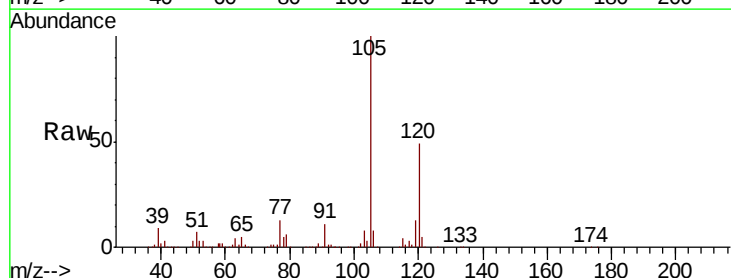
Acq: 16 Apr 2019 13:48

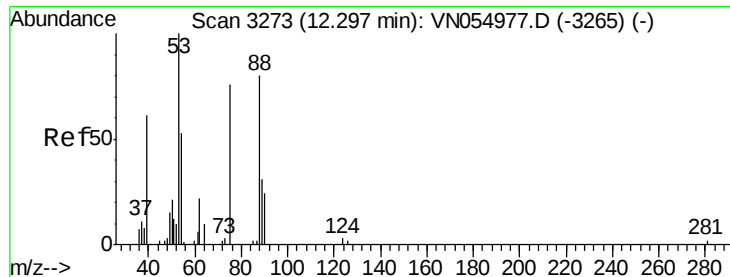
Tgt Ion: 105 Resp: 317009

Ion Ratio Lower Upper

105 100

120 48.1 0.0 94.8





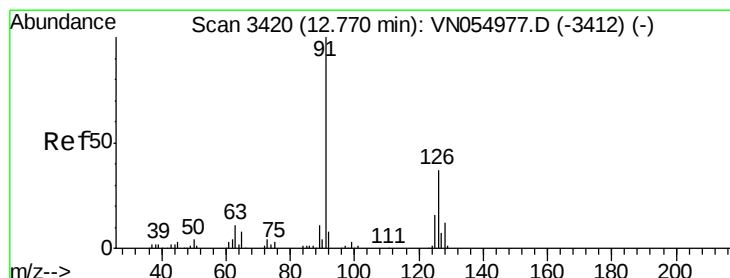
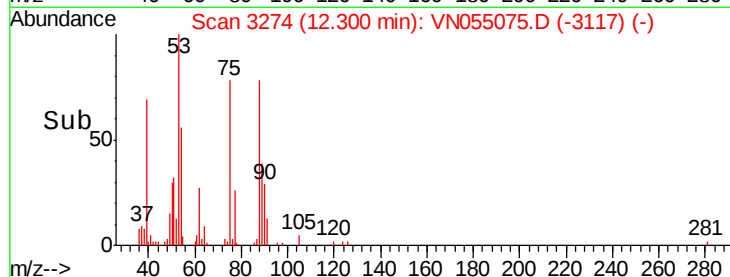
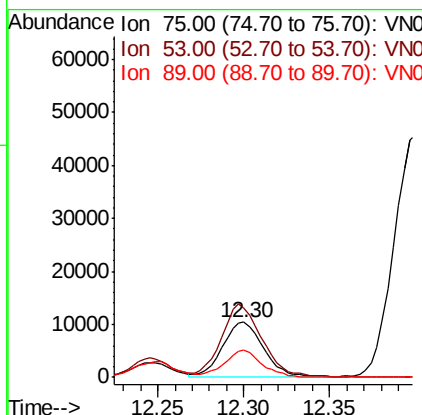
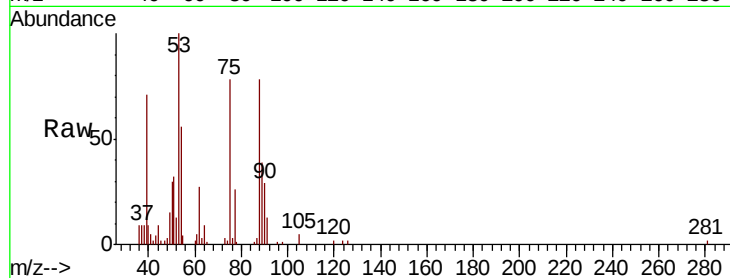
#77
t-1,4-Dichloro-2-butene
Concen: 19.474 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	127.5	64.3	192.7
89	49.1	21.6	65.0

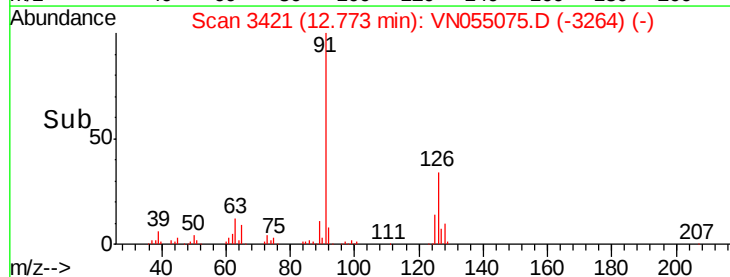
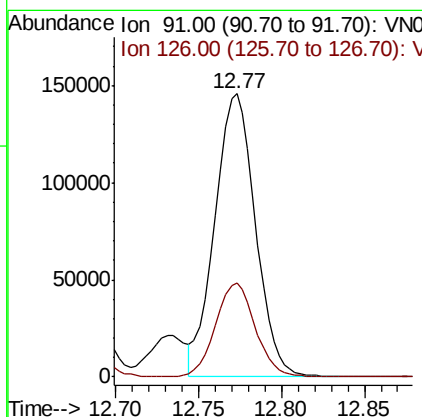
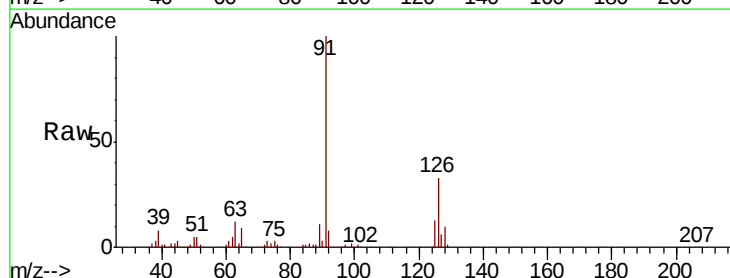
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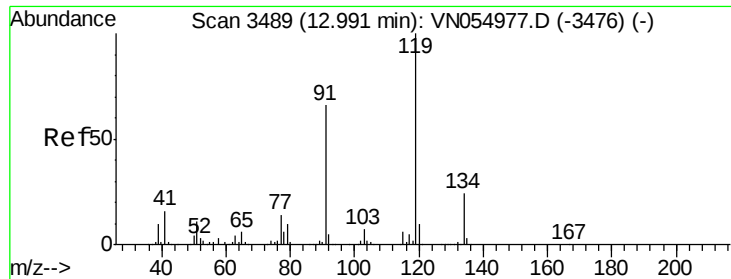
MMDadoda
4/17/2019 4:23:03 AM



#78
4-Chlorotoluene
Concen: 20.264 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	66.6





#79

tert-butylbenzene

Concen: 20.002 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

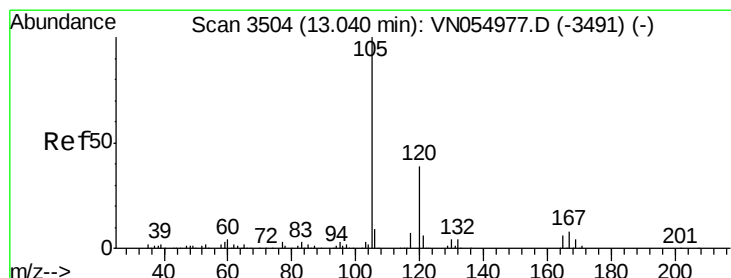
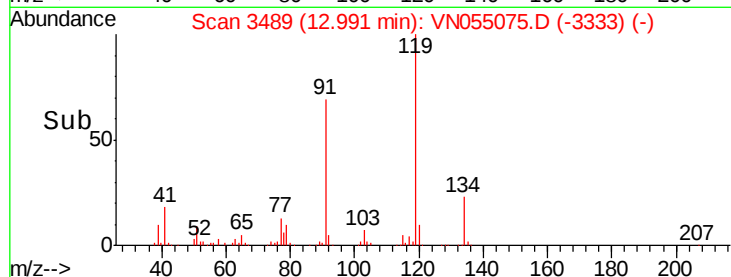
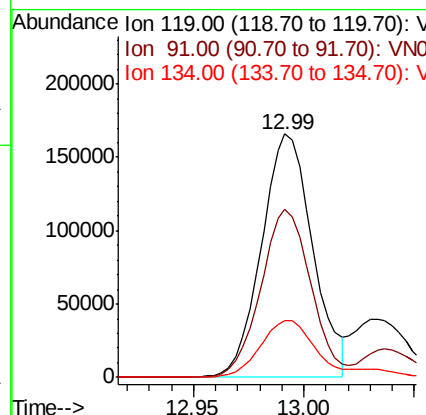
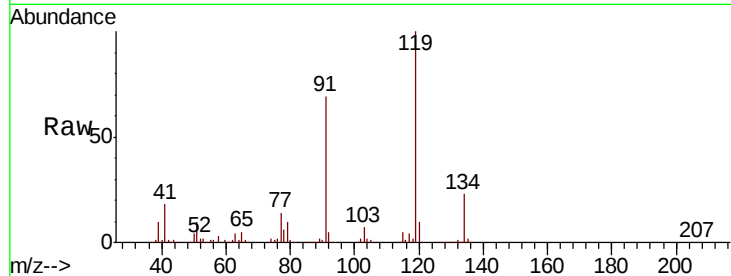
ClientSampleId :

VN0416WBS01

Tot Ion:	119	Resp:	266822
Ion Ratio	Lower	Upper	
119	100		
91	67.6	0.0	132.6
134	24.7	0.0	47.6

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.572 ug/l

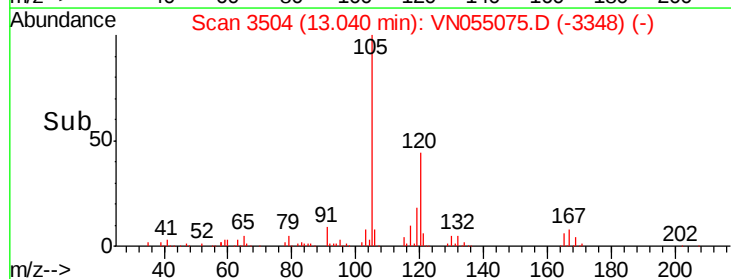
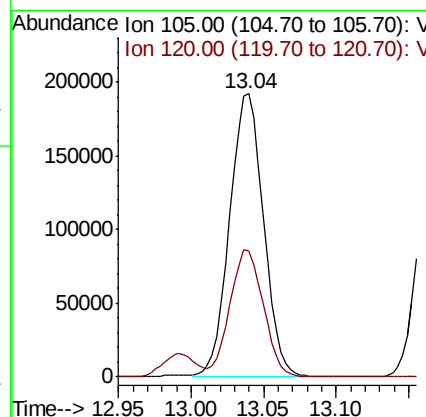
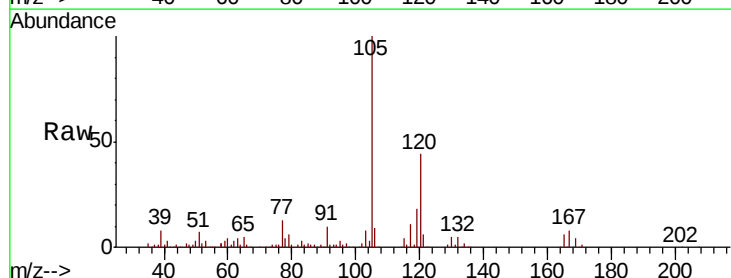
RT: 13.04 min Scan# 3504

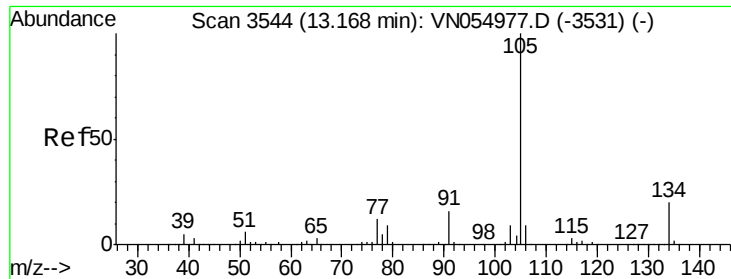
Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Tgt Ion:	105	Resp:	311568
Ion Ratio	Lower	Upper	
105	100		
120	44.5	0.0	91.4





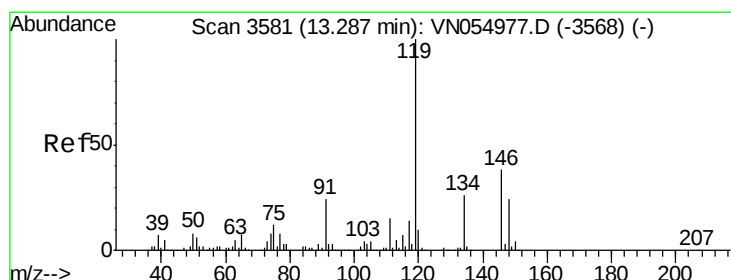
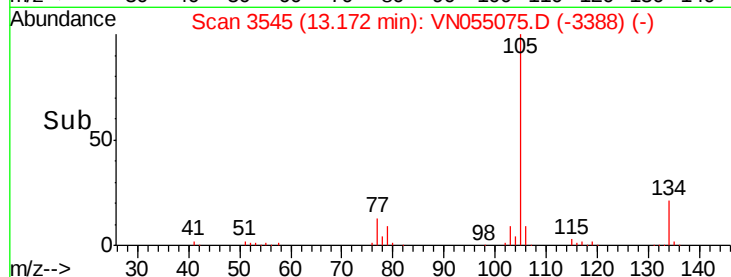
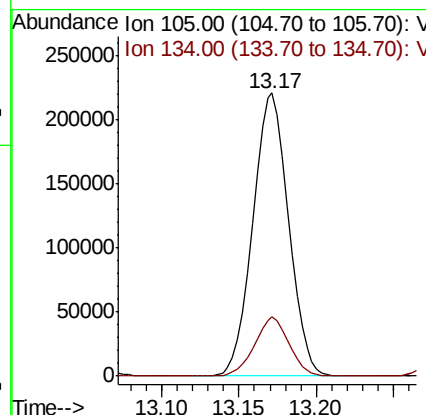
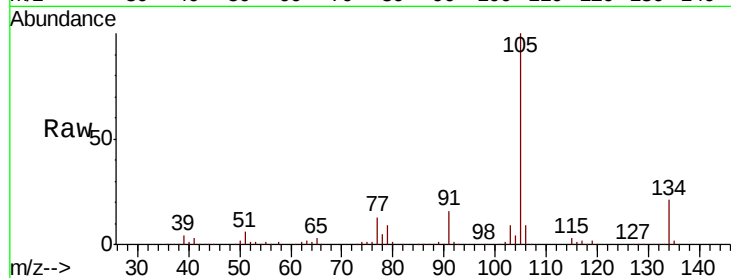
#81
 sec-Butylbenzene
 Concen: 19.930 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.0

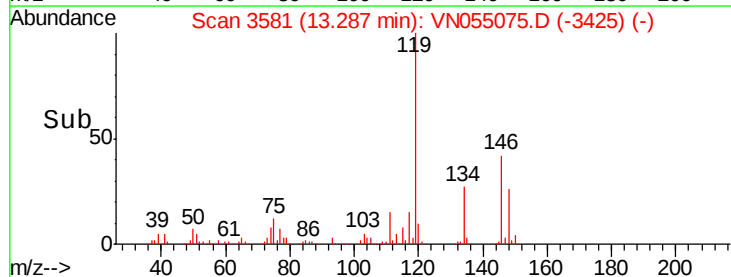
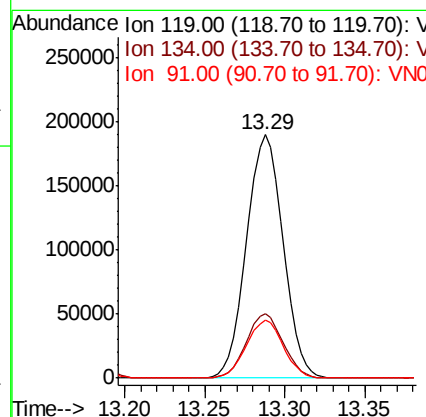
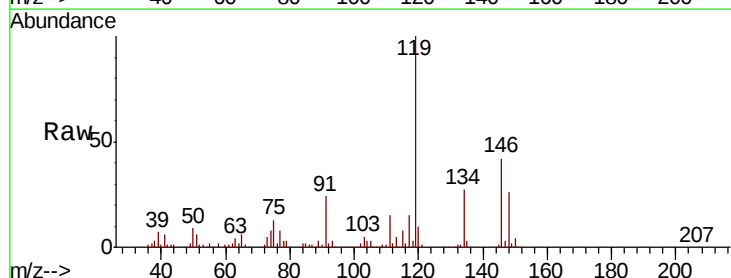
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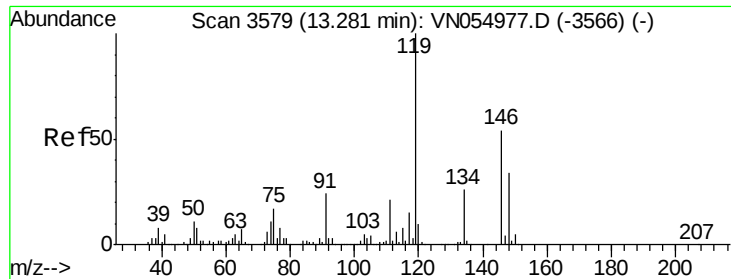
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#82
 p-Isopropyltoluene
 Concen: 19.664 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	53.2
91	24.1	0.0	47.8





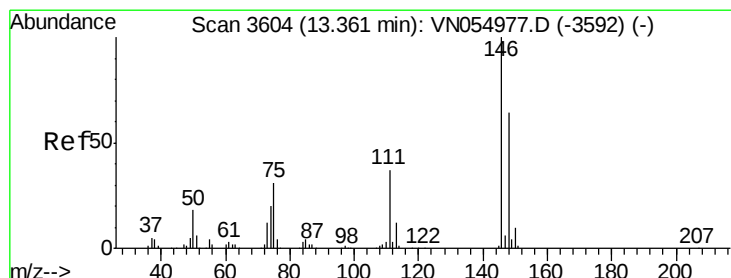
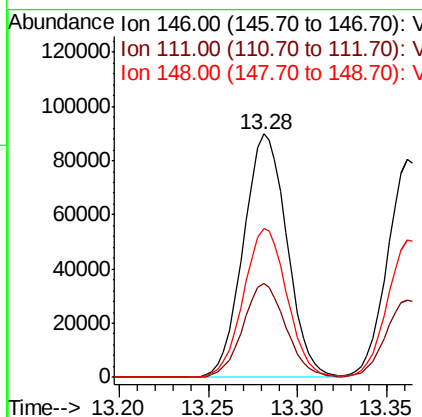
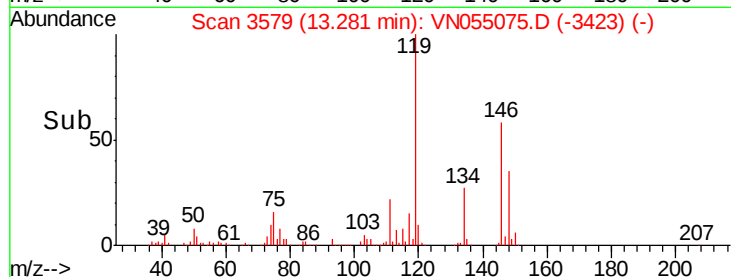
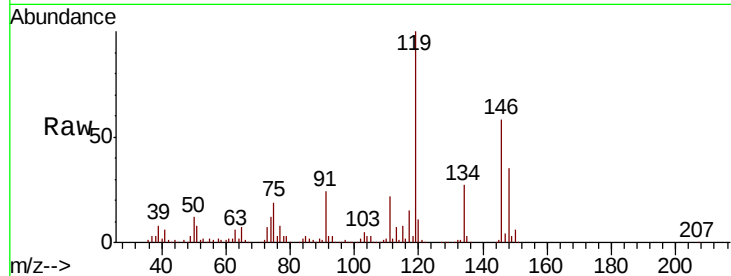
#83
 1,3-Dichlorobenzene
 Concen: 20.373 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	61.1	31.9	95.5

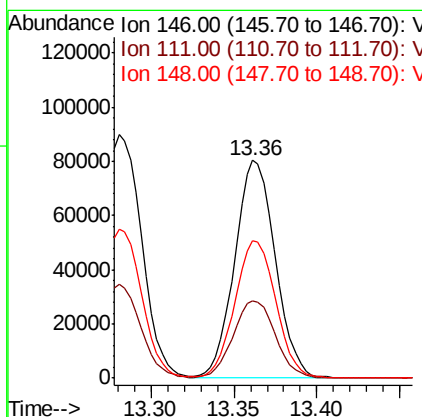
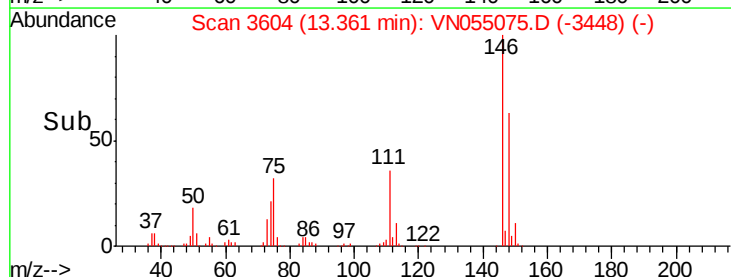
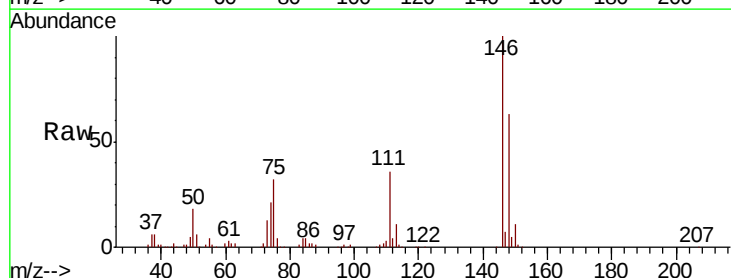
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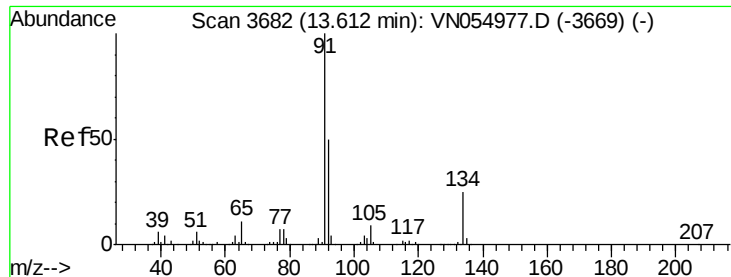
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#84
 1,4-Dichlorobenzene
 Concen: 19.055 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.2
148	63.9	32.5	97.4





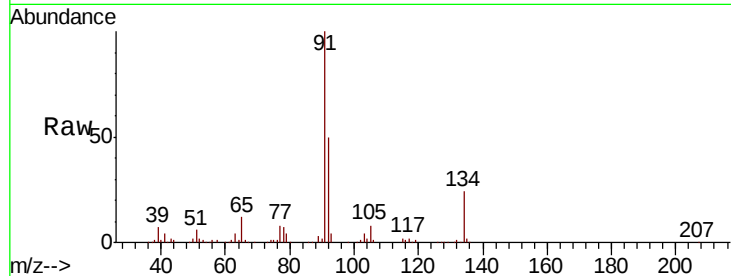
#85
n-Butylbenzene
Concen: 18.523 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	221959		
92	51.8		0.0	101.4
134	25.2		0.0	49.8

Manual Integrations
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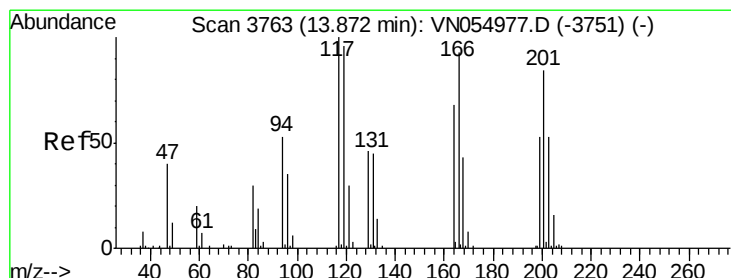
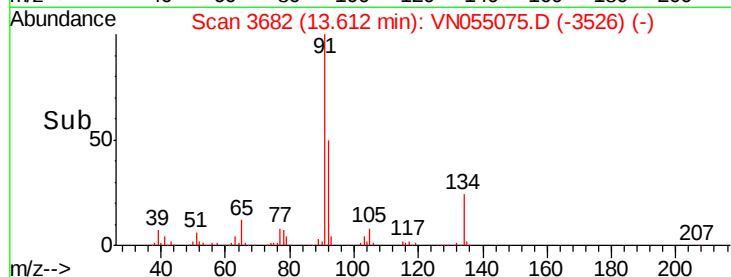
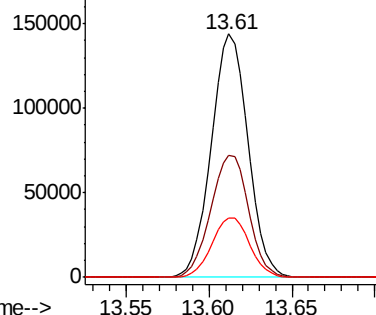


Abundance

Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

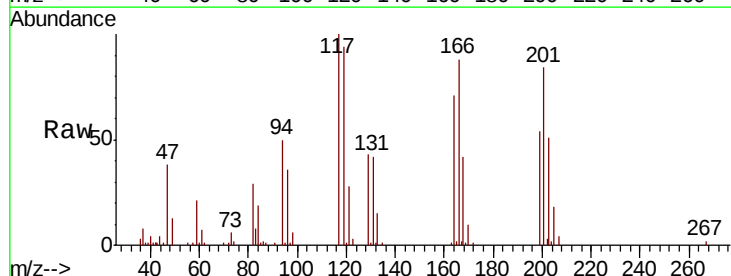
Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)



#86
Hexachloroethane
Concen: 18.733 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

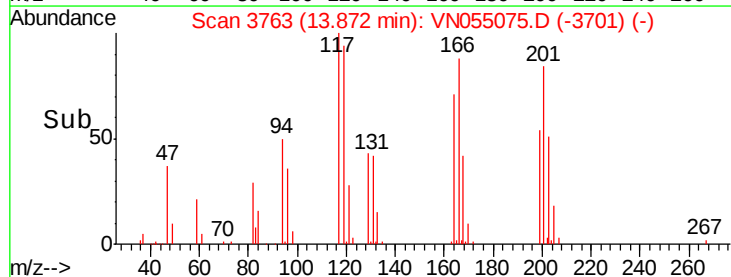
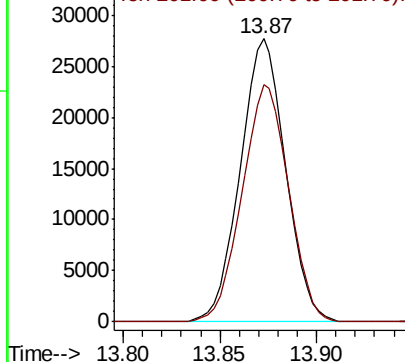
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45112		
201	85.9		42.8	128.3

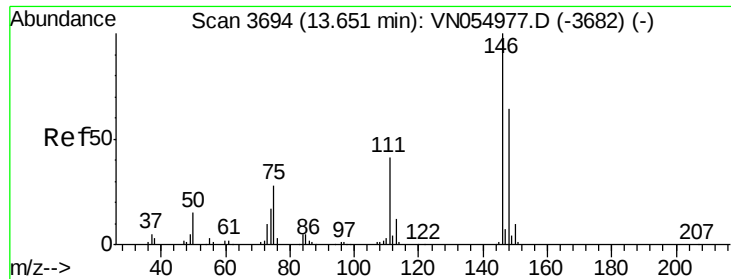


Abundance

Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)





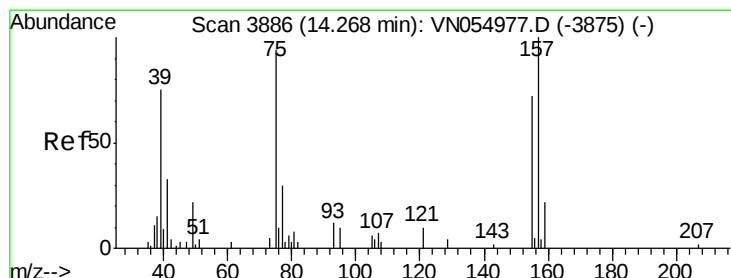
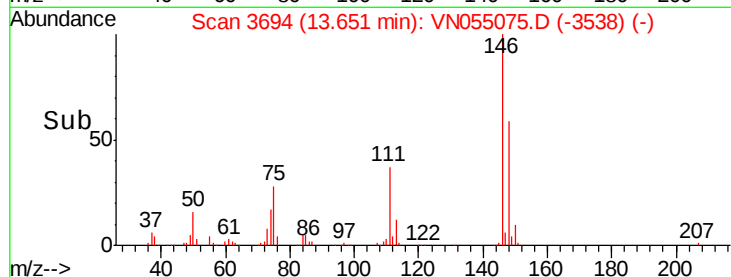
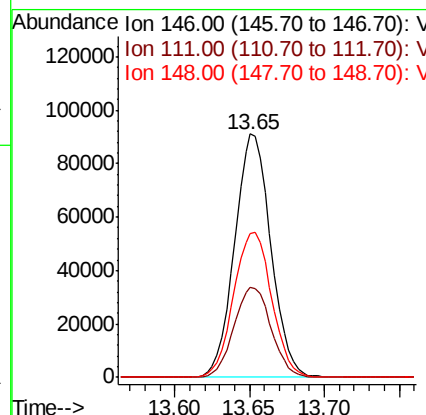
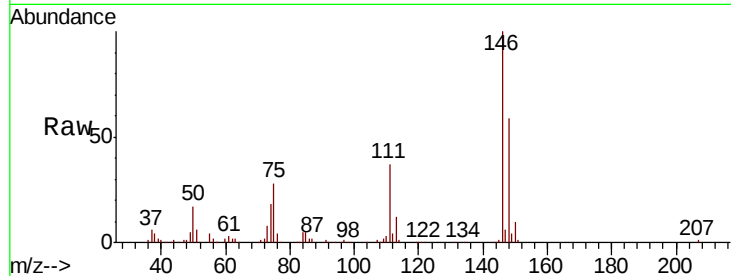
#87
 1,2-Dichlorobenzene
 Concen: 20.758 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.3	60.8
148	62.6	32.5	97.5

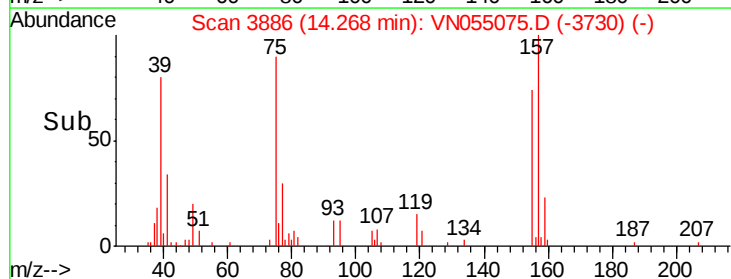
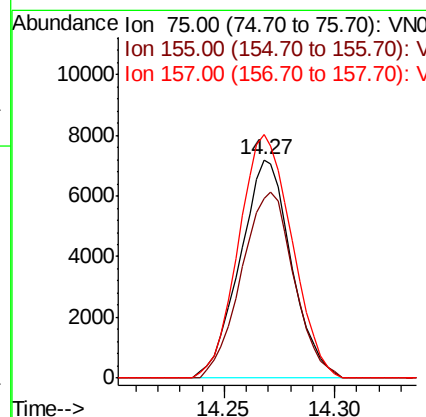
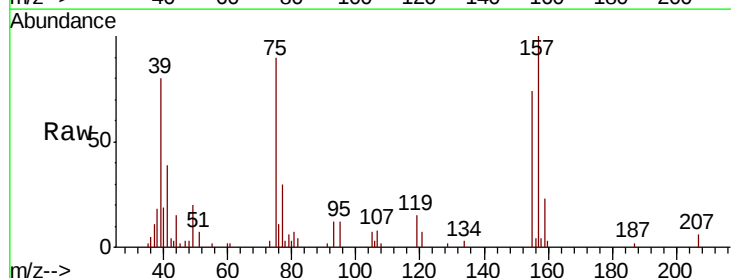
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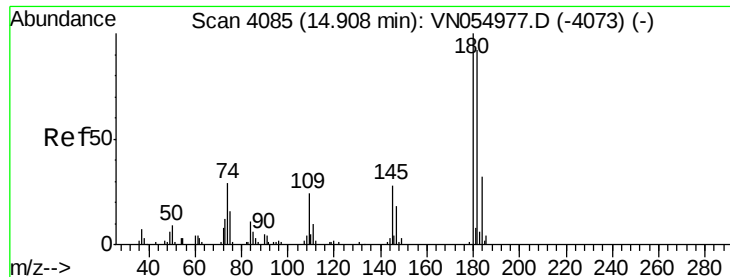
MMDadoda
 4/17/2019 4:23:03 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.044 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	61.8	92.8
157	115.6	82.7	124.1





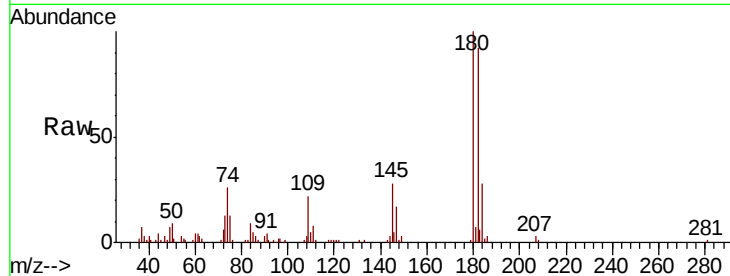
#89
 1,2,4-Trichlorobenzene
 Concen: 17.290 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	73.2	109.8
145	29.6	23.2	34.8

Manual Integrations
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MMDadoda
 4/17/2019 4:23:03 AM

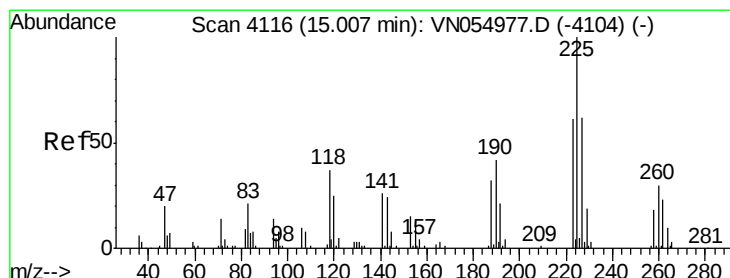
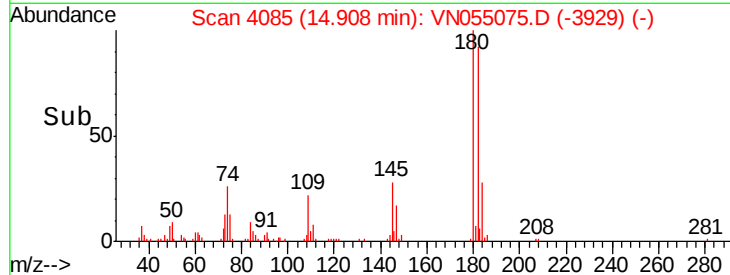
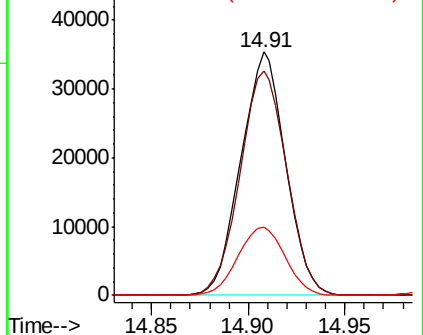


Abundance

Ion 180.00 (179.70 to 180.70): V

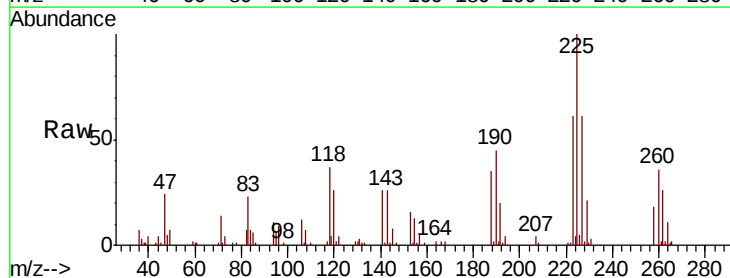
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.719 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	0.0	126.0
227	64.2	0.0	125.4

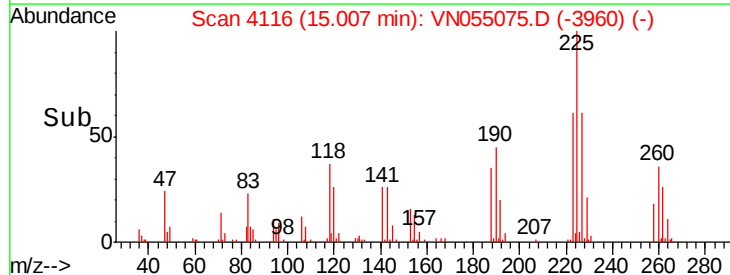
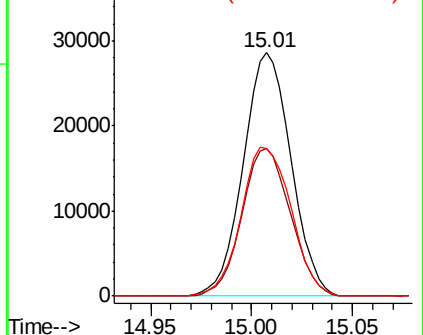


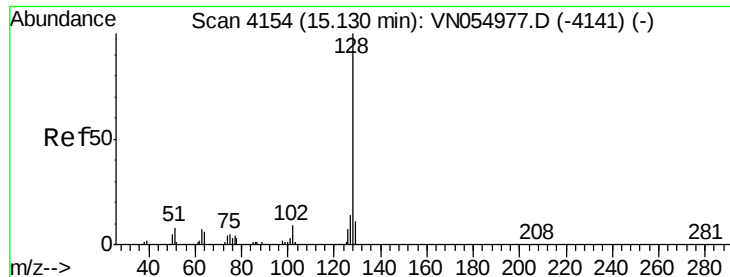
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





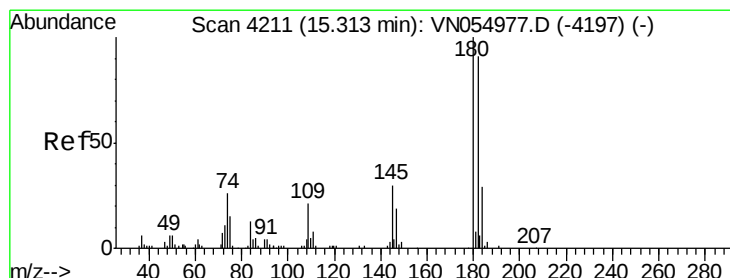
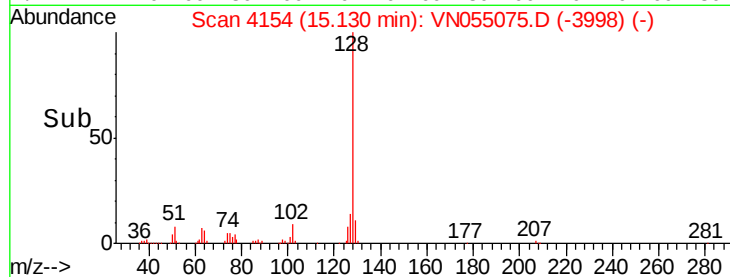
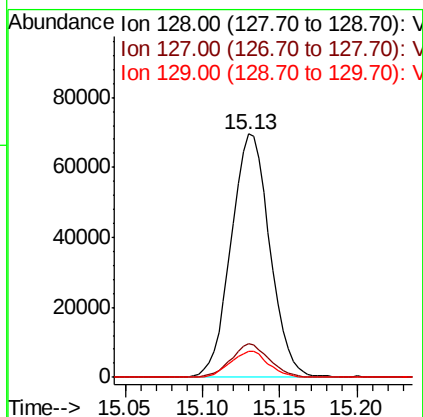
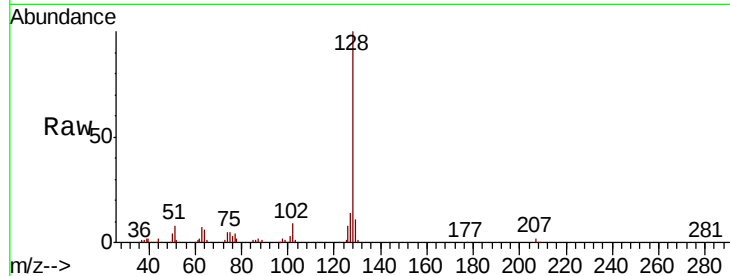
#91
Naphthalene
Concen: 17.491 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	120918		
127	13.4	10.6	15.8	
129	10.5	9.0	13.6	

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:23:03 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.451 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57621		
182	97.4	0.0	188.2	
145	31.5	0.0	61.2	

