

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054777.D
 Acq On : 29 Mar 2019 18:25
 Operator : JC/SP
 Sample : VN0329MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:59:08 PM

Quant Time: Mar 30 21:51:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	427703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	309879	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	7.59	113	240566	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.09	98	882305	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	293307	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	88244	20.397	ug/l	97
3) Chloromethane	2.06	50	120821	20.198	ug/l	100
4) Vinyl Chloride	2.19	62	106854	19.892	ug/l	98
5) Bromomethane	2.57	94	62524	20.892	ug/l	96
6) Chloroethane	2.71	64	59170	19.726	ug/l	99
7) Trichlorofluoromethane	3.02	101	133112	20.156	ug/l	100
8) Diethyl Ether	3.41	74	45344	21.323	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69004	19.848	ug/l	95
10) Methyl Iodide	3.94	142	97345	20.453	ug/l #	88
11) Tert butyl alcohol	4.83	59	38525	128.247	ug/l	98
12) 1,1-Dichloroethene	3.73	96	69086	20.549	ug/l #	75
13) Acrolein	3.61	56	29145	108.528	ug/l	96
14) Allyl chloride	4.32	41	166070	20.054	ug/l #	90
15) Acrylonitrile	5.00	53	197073	118.029	ug/l	99
16) Acetone	3.82	43	146200	106.336	ug/l #	81
17) Carbon Disulfide	4.04	76	199908	18.333	ug/l	98
18) Methyl Acetate	4.33	43	85680	23.437	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	259524	22.068	ug/l	97
20) Methylene Chloride	4.54	84	101963	21.024	ug/l #	85
21) trans-1,2-Dichloroethene	5.03	96	88850	20.120	ug/l	87
22) Diisopropyl ether	5.96	45	350067	21.374	ug/l #	93
23) Vinyl Acetate	5.90	43	1263041	110.814	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	186483	21.344	ug/l	97
25) 2-Butanone	6.85	43	244560	120.334	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	119944	19.587	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	106399	21.329	ug/l	88
28) Bromochloromethane	7.19	49	99001	22.661	ug/l #	69
29) Tetrahydrofuran	7.22	42	168436	119.326	ug/l #	83
30) Chloroform	7.37	83	177739	21.335	ug/l	99
31) Cyclohexane	7.65	56	178830	21.280	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	144646	20.951	ug/l	94
36) 1,1-Dichloropropene	7.79	75	130154	19.393	ug/l	97
37) Ethyl Acetate	6.94	43	111077	22.569	ug/l #	96
38) Carbon Tetrachloride	7.77	117	123203	18.900	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	142888	19.366	ug/l	89
40) Benzene	8.04	78	394893	20.563	ug/l	99
41) Methacrylonitrile	7.18	41	50969	18.435	ug/l	97
42) 1,2-Dichloroethane	8.13	62	143375	20.909	ug/l	97
43) Isopropyl Acetate	8.17	43	178040	22.263	ug/l #	92
44) Trichloroethene	8.84	130	104102	20.883	ug/l	94
45) 1,2-Dichloropropane	9.12	63	111164	20.301	ug/l	97
46) Dibromomethane	9.21	93	65326	21.207	ug/l	87
47) Bromodichloromethane	9.40	83	130344	20.360	ug/l	97
48) Methyl methacrylate	9.20	41	92626	21.367	ug/l #	85
49) 1,4-Dioxane	9.20	88	19905	462.773	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	522803	116.279	ug/l	93
52) Toluene	10.16	92	232010	20.304	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	117540	19.518	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143850	19.997	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	89030	20.953	ug/l	93
56) Ethyl methacrylate	10.43	69	115055	20.642	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	157639	21.580	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	229234	101.875	ug/l #	88
59) 2-Hexanone	10.75	43	321367	111.655	ug/l	91
60) Dibromochloromethane	10.90	129	89424	20.776	ug/l	98
61) 1,2-Dibromoethane	11.01	107	84832	20.892	ug/l	98
64) Tetrachloroethene	10.63	164	98559	20.883	ug/l	96
65) Chlorobenzene	11.43	112	241726	20.074	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91490	20.299	ug/l	99
67) Ethyl Benzene	11.51	91	440917	20.291	ug/l	97
68) m/p-Xylenes	11.62	106	327105	40.678	ug/l	95
69) o-Xylene	11.95	106	159760	20.260	ug/l	94
70) Styrene	11.97	104	264436	20.974	ug/l	97
71) Bromoform	12.13	173	52914	20.040	ug/l #	99
73) Isopropylbenzene	12.25	105	421597	19.771	ug/l	97
74) N-amyl acetate	12.07	43	138496	20.847	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	110868	22.648	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	93683m	20.670	ug/l	
77) Bromobenzene	12.53	156	103247	20.062	ug/l	84
78) n-propylbenzene	12.59	91	468463	19.988	ug/l	96
79) 2-Chlorotoluene	12.67	91	289031	19.933	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	350327	20.022	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	20577	17.660	ug/l #	74
82) 4-Chlorotoluene	12.77	91	281231	19.968	ug/l	94
83) tert-Butylbenzene	12.99	119	297922	20.755	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	342722	20.560	ug/l	97
85) sec-Butylbenzene	13.17	105	376011	19.782	ug/l	98
86) p-Isopropyltoluene	13.29	119	328501	19.595	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	168438	19.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	165161	19.543	ug/l	97
89) n-Butylbenzene	13.62	91	255998	18.716	ug/l	96
90) Hexachloroethane	13.87	117	49685	17.456	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	169515	19.493	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15882	21.786	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73899	17.627	uq/l	99
94) Hexachlorobutadiene	15.01	225	50393	18.992	uq/l	98
95) Naphthalene	15.13	128	176258	18.745	uq/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	78383	18.513	uq/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion:168 Resp: 427703

Ion Ratio Lower Upper

168 100

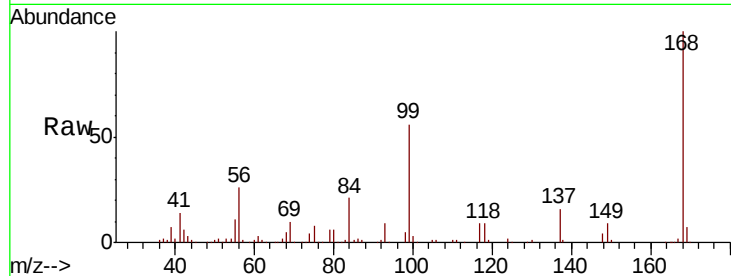
99 54.8 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

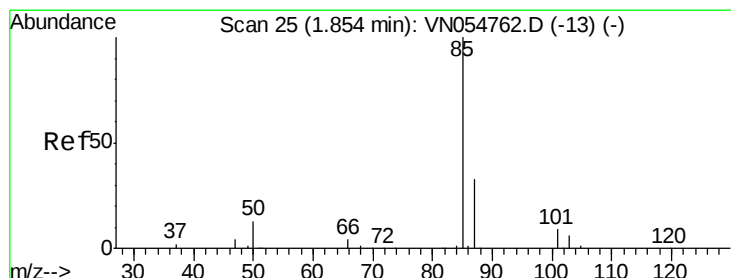
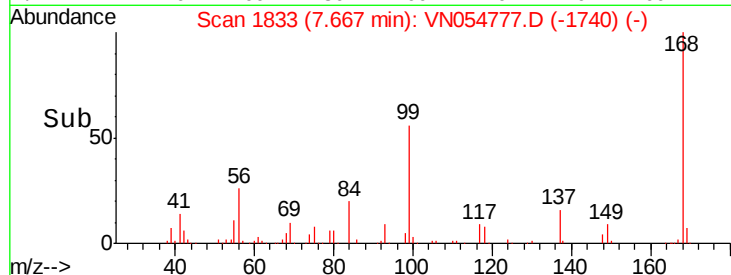
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.397 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054777.D

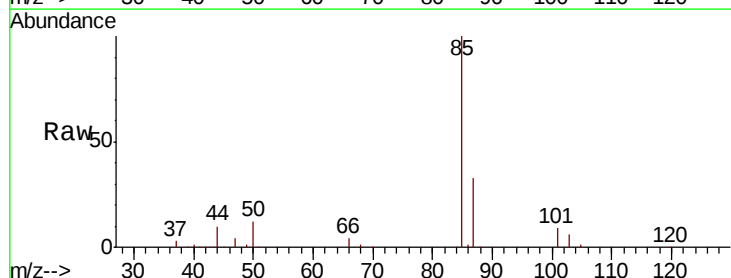
Acq: 29 Mar 2019 18:25

Tgt Ion: 85 Resp: 88244

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

40000

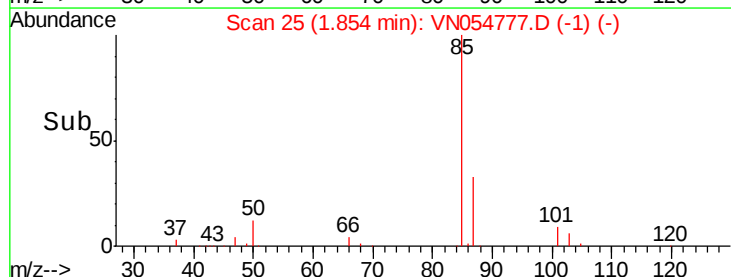
20000

0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.198 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion: 50 Resp: 120821

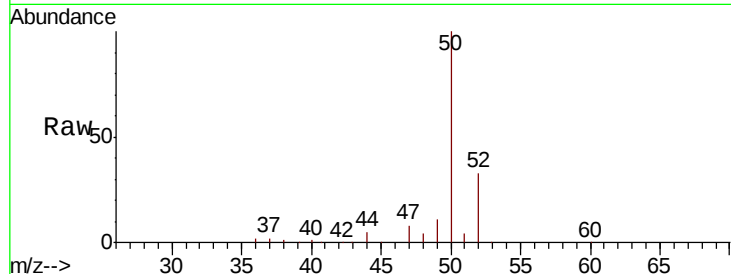
Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6

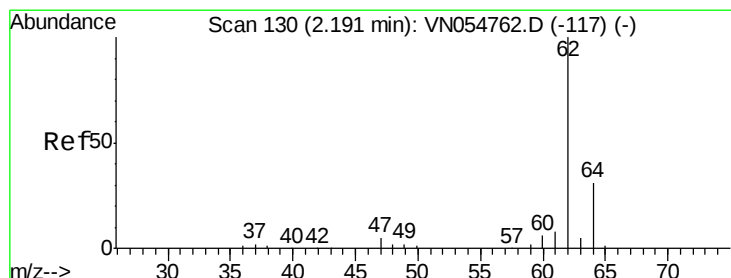
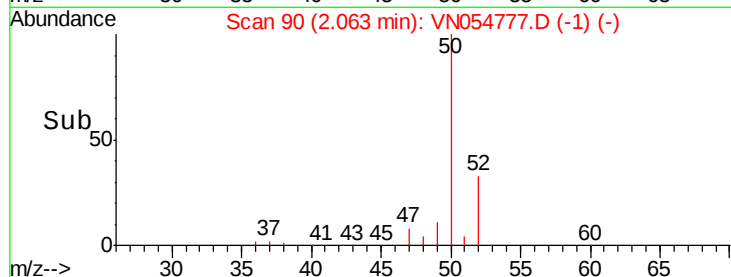
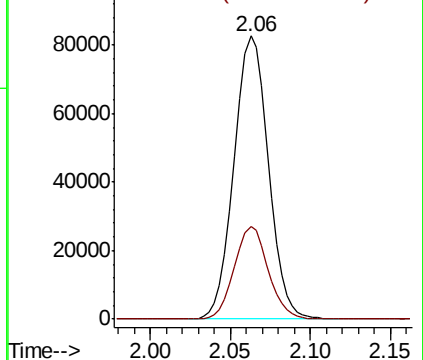
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.892 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054777.D

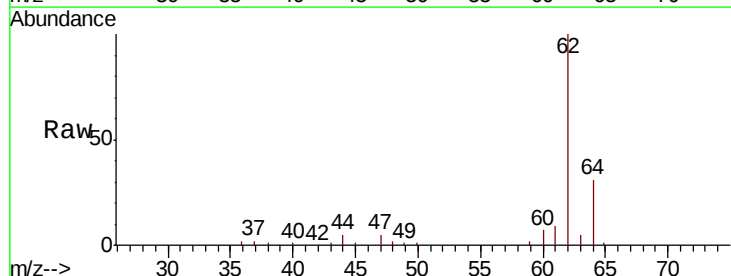
Acq: 29 Mar 2019 18:25

Tgt Ion: 62 Resp: 106854

Ion Ratio Lower Upper

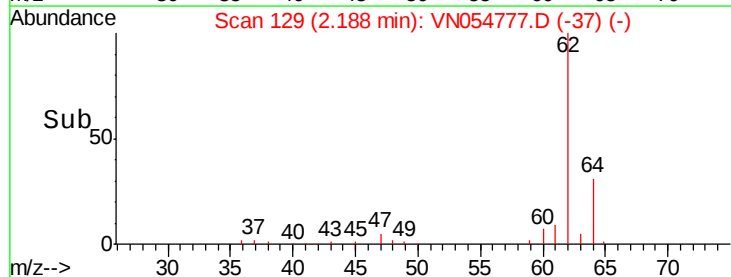
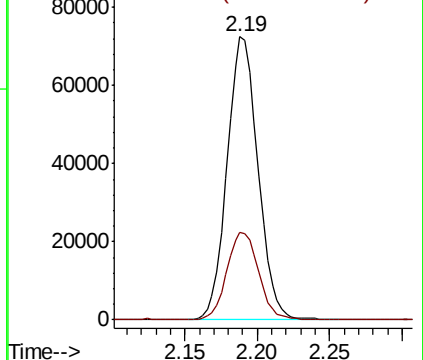
62 100

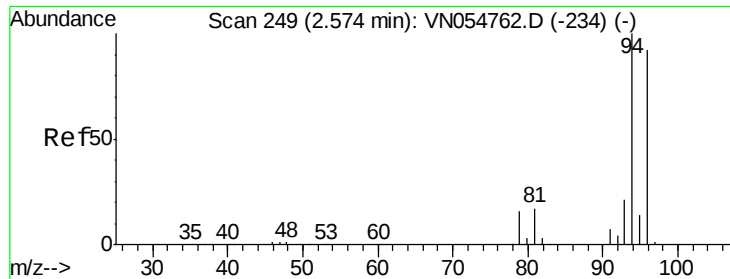
64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.892 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion: 94 Resp: 62524

Ion Ratio Lower Upper

94 100

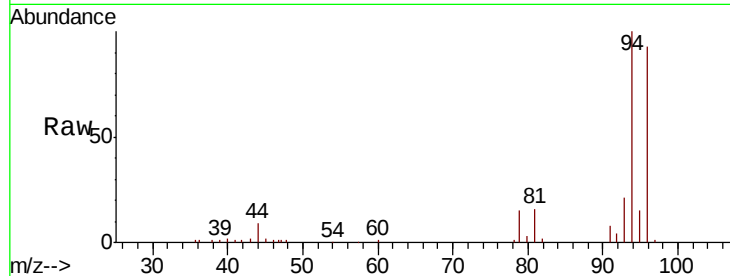
96 92.6 77.0 115.4

Manual Integrations

APPROVED

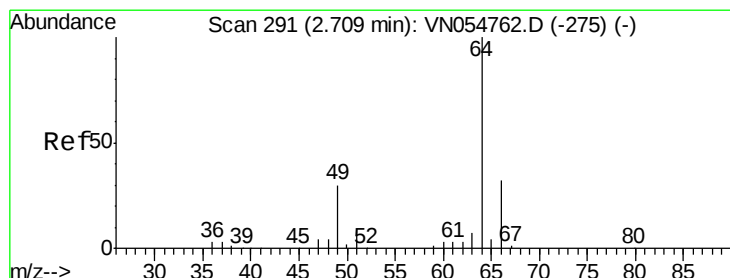
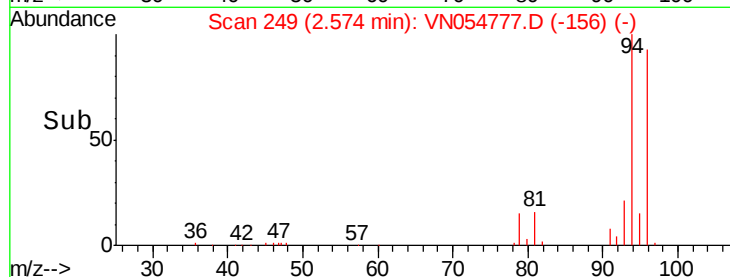
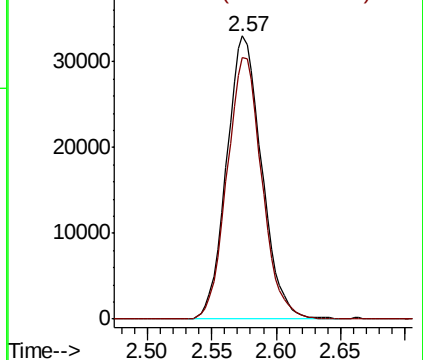
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.726 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054777.D

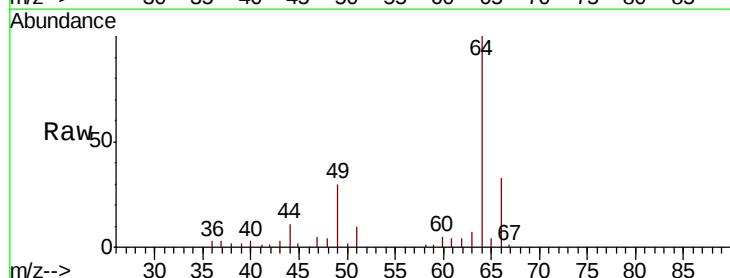
Acq: 29 Mar 2019 18:25

Tgt Ion: 64 Resp: 59170

Ion Ratio Lower Upper

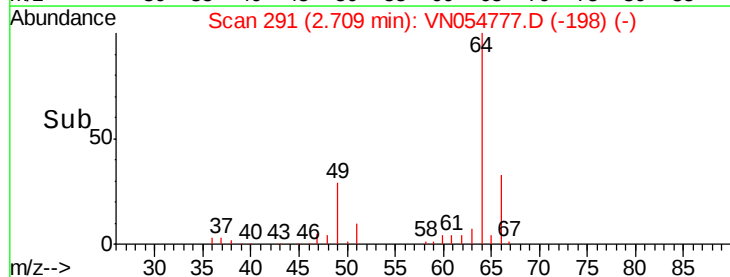
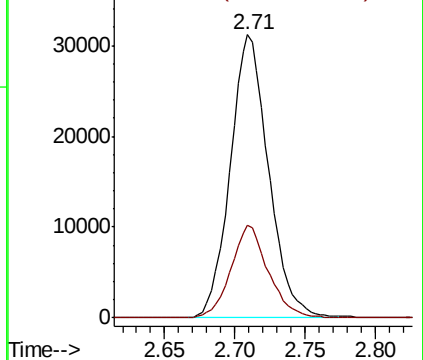
64 100

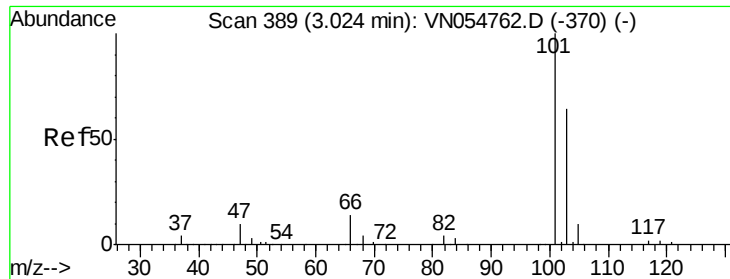
66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

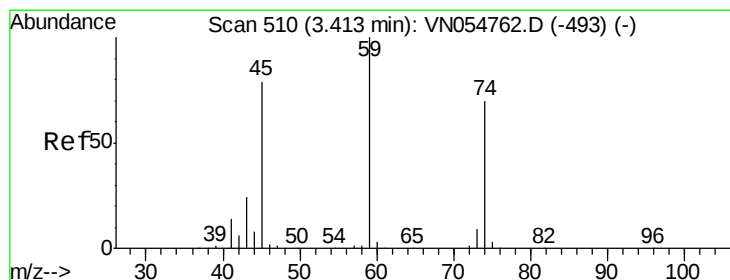
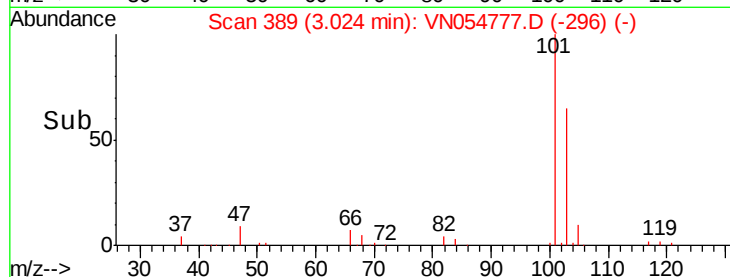
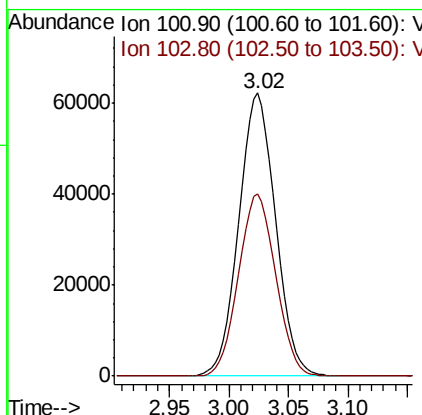
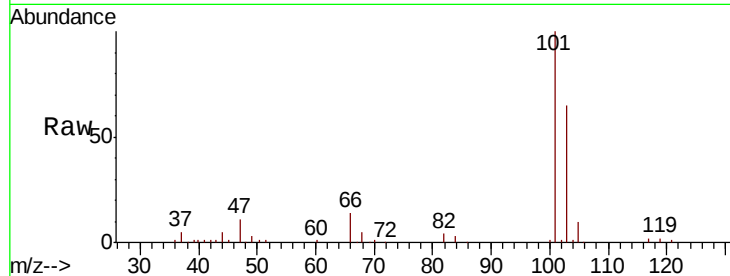
Trichlorofluoromethane
 Concen: 20.156 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

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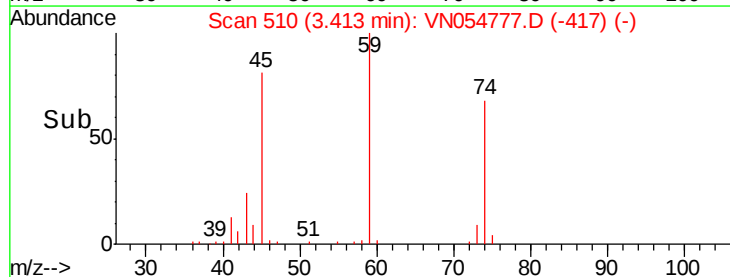
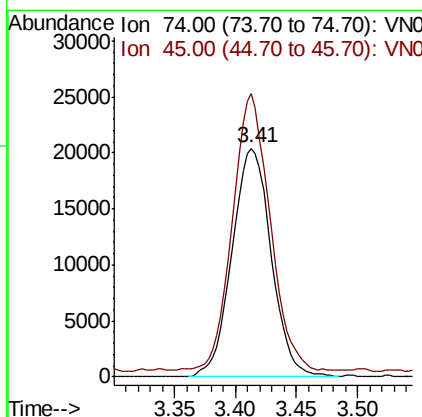
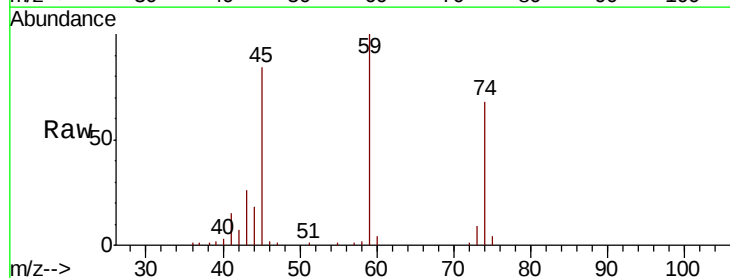
MMDadoda
 4/1/2019 3:59:08 PM

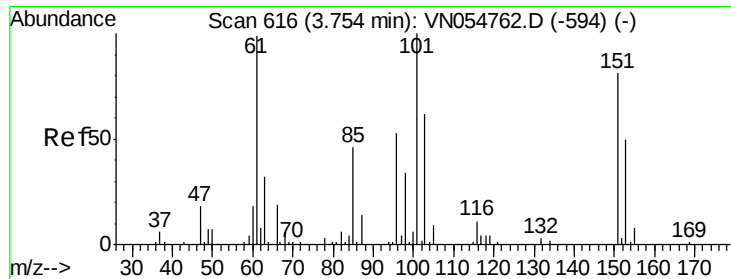


#8

Diethyl Ether
 Concen: 21.323 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.848 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

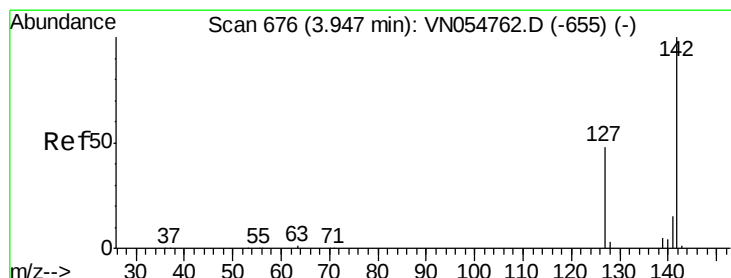
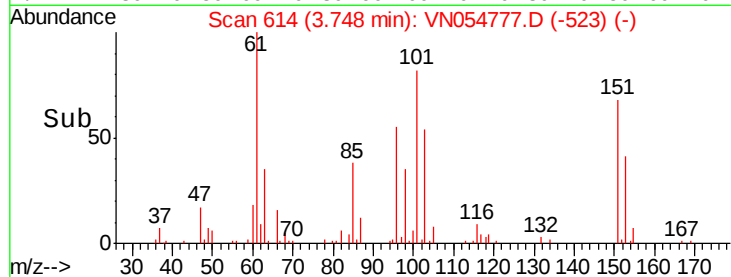
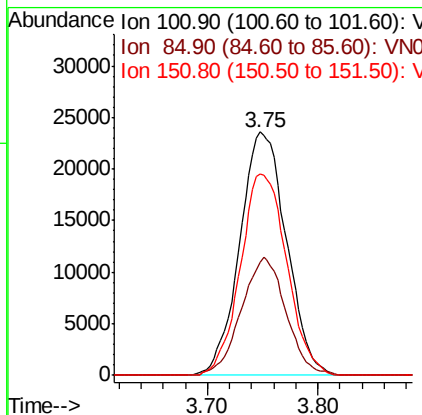
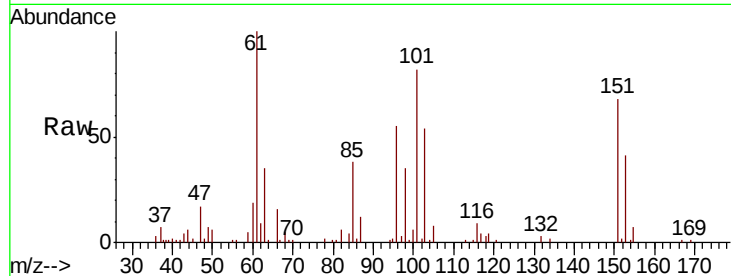
ClientSampleId :

VN0329MBS01

Tot Ion:	101	Resp:	69004
Ion Ratio	Lower	Upper	
101	100		
85	46.5	32.4	48.6
151	82.3	68.2	102.2

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#10

Methyl Iodide

Concen: 20.453 ug/l

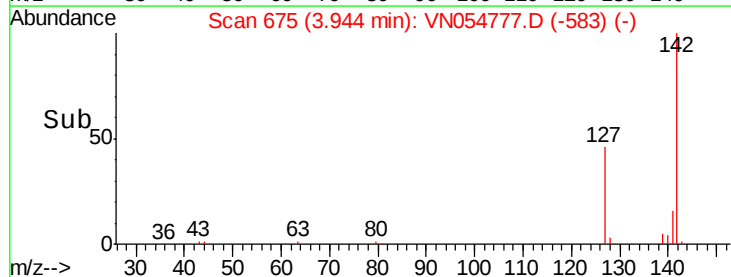
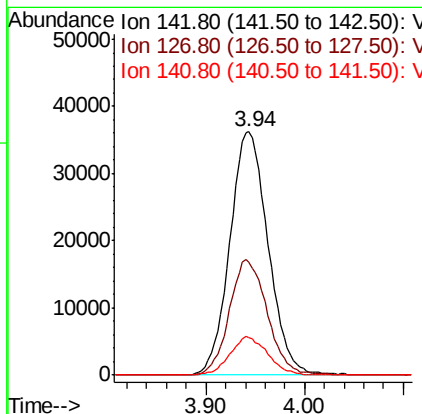
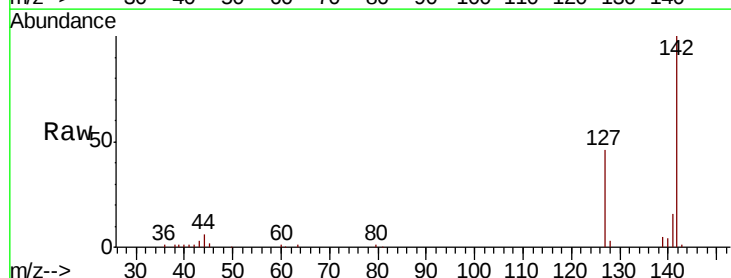
RT: 3.94 min Scan# 675

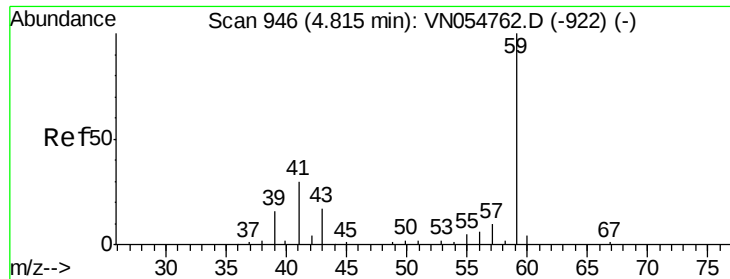
Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion:	142	Resp:	97345
Ion Ratio	Lower	Upper	
142	100		
127	47.0	30.3	45.5#
141	15.5	11.2	16.8





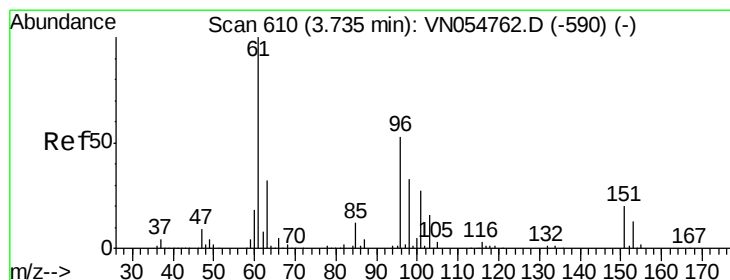
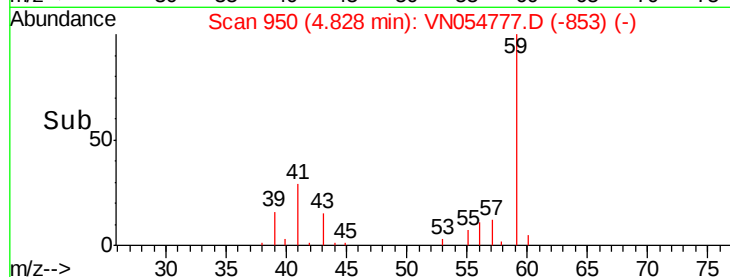
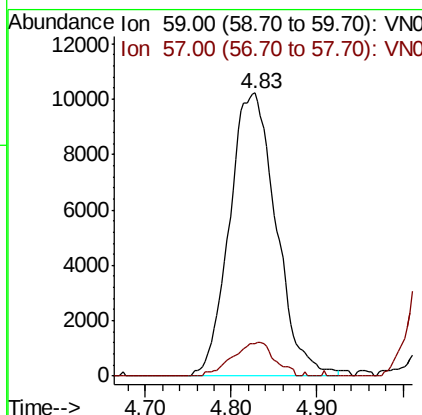
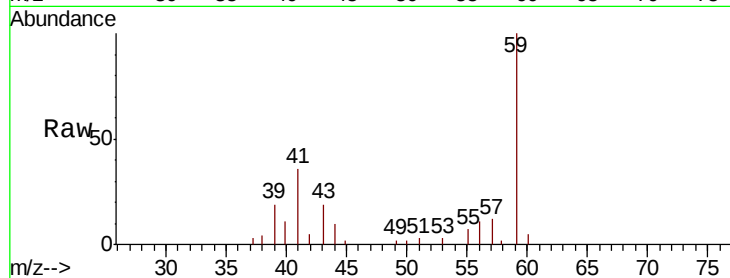
#11
Tert butyl alcohol
Concen: 128.247 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

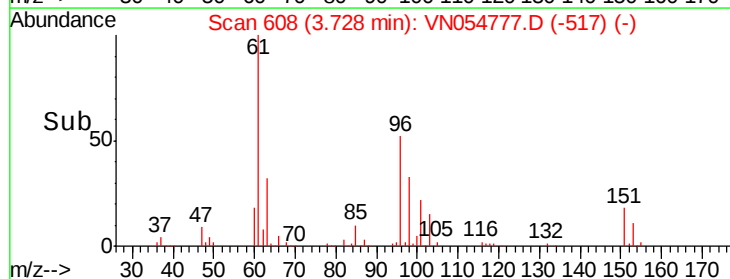
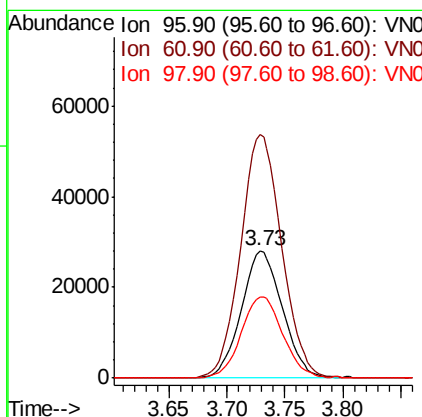
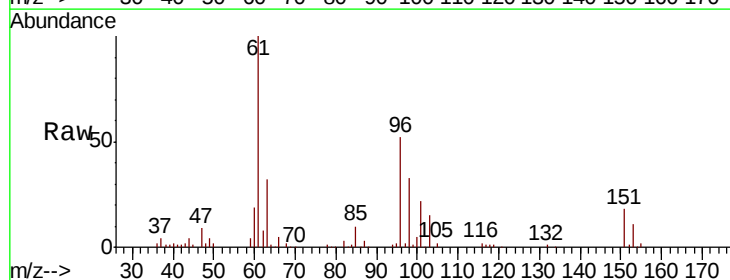
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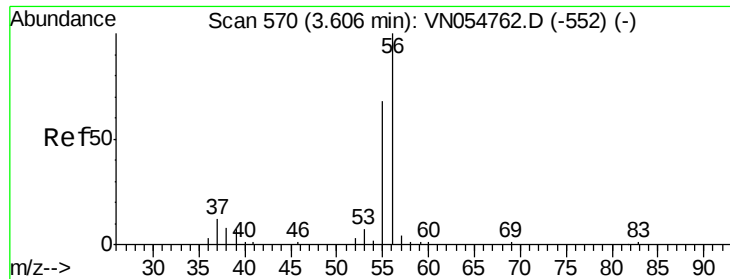
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.549 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.9	116.5	174.7#
98	63.2	51.0	76.4





#13

Acrolein

Concen: 108.528 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampled :

VN0329MBS01

Tot Ion: 56 Resp: 29145

Ion Ratio Lower Upper

56 100

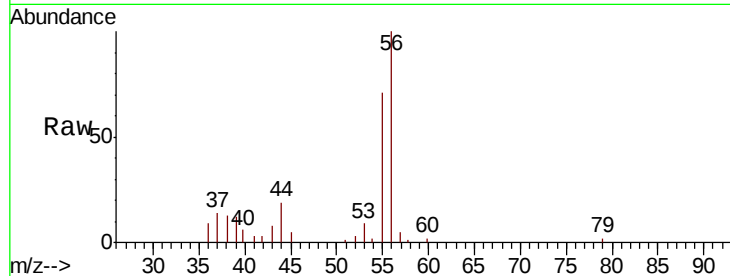
55 73.9 56.7 85.1

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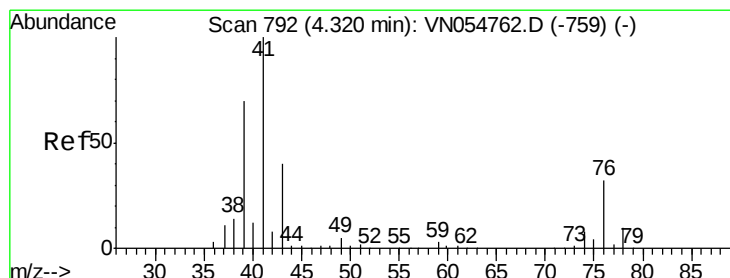
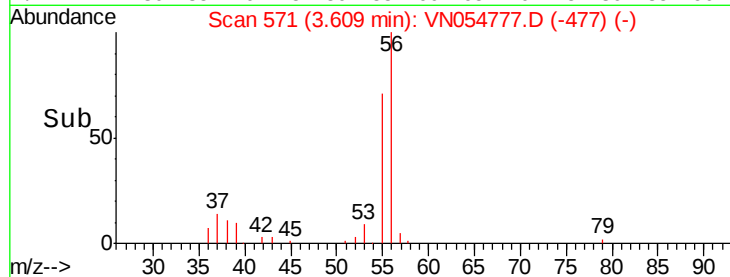
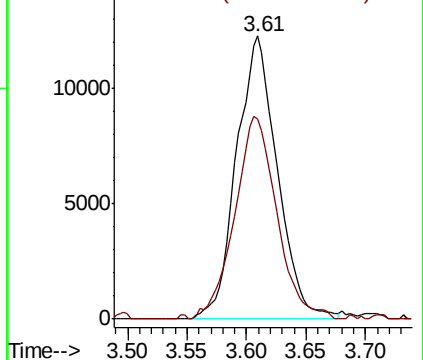
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.054 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

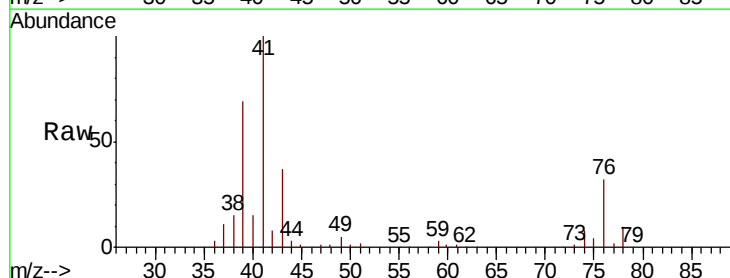
Tgt Ion: 41 Resp: 166070

Ion Ratio Lower Upper

41 100

39 67.6 58.2 87.4

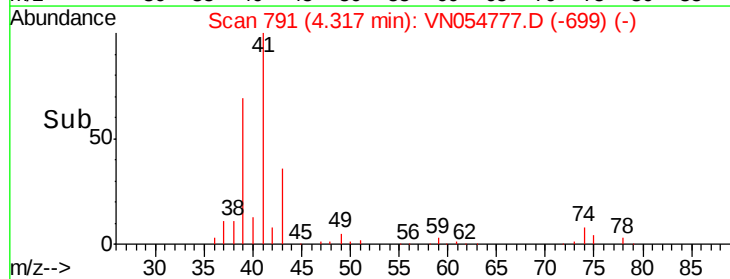
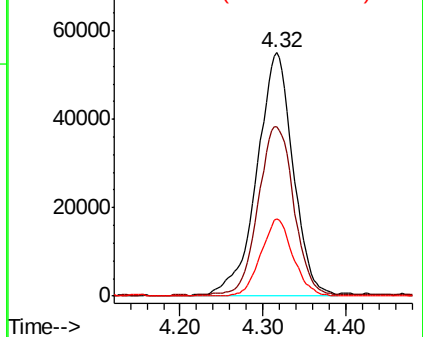
76 28.5 31.7 47.5#

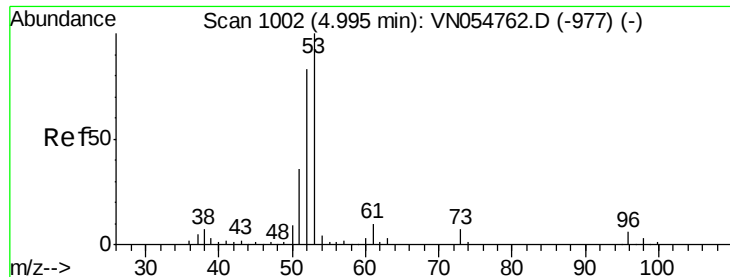


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 118.029 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

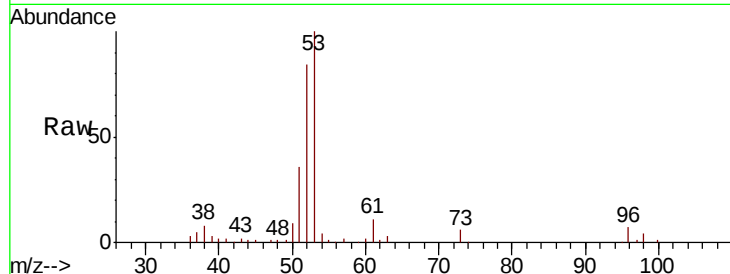
ClientSampleId :

VN0329MBS01

Tot Ion:	53	Resp:	197073
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.4	99.6
51	37.0	29.6	44.4

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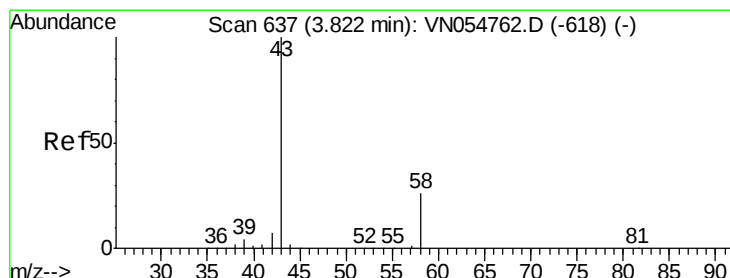
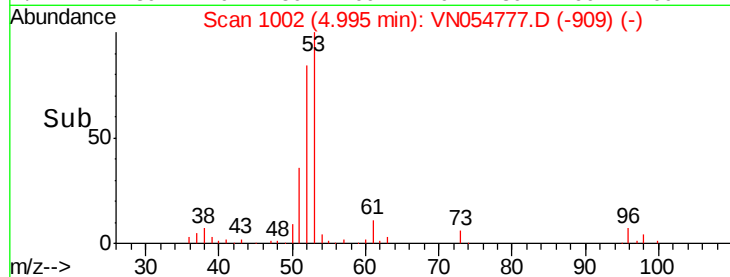
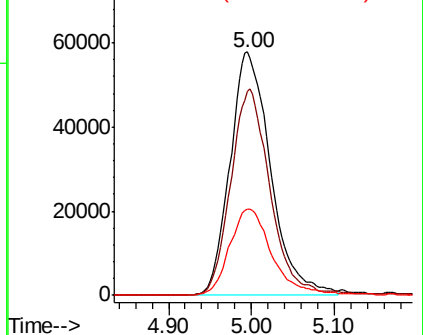


Abundance

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



#16

Acetone

Concen: 106.336 ug/l

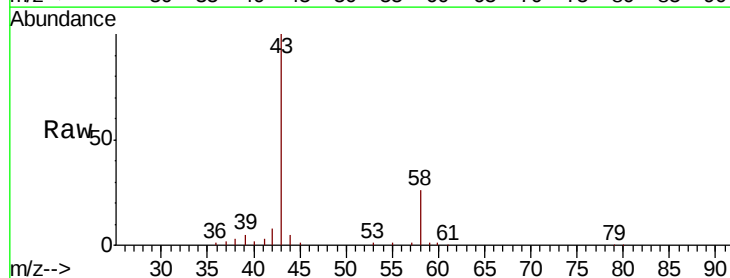
RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

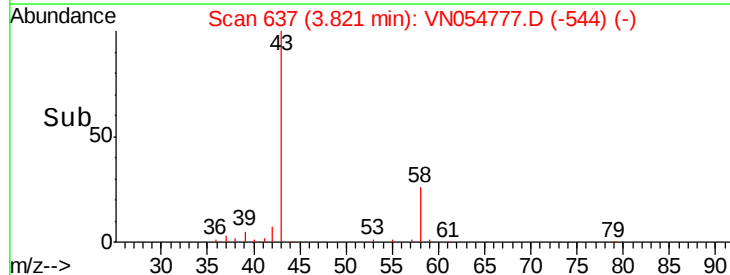
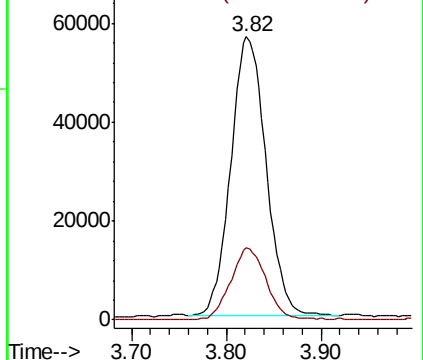
Tgt Ion:	43	Resp:	146200
Ion	Ratio	Lower	Upper
43	100		
58	25.9	29.9	44.9#

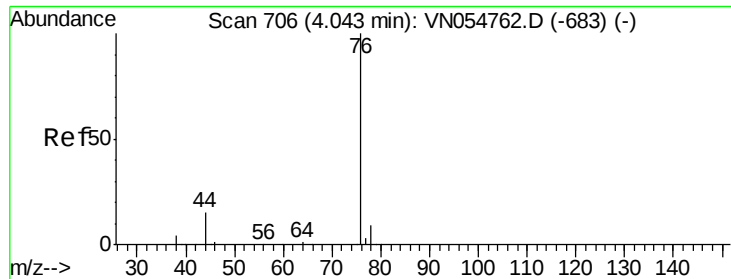


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





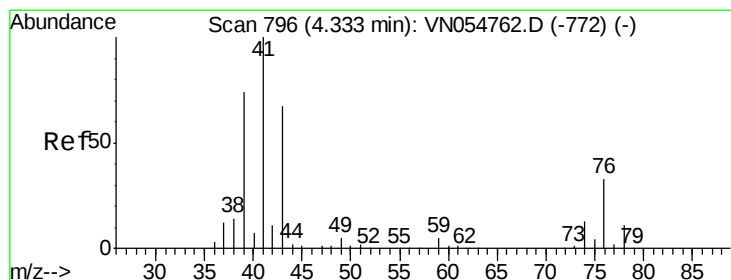
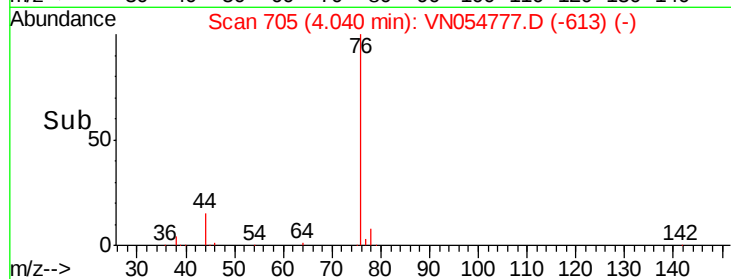
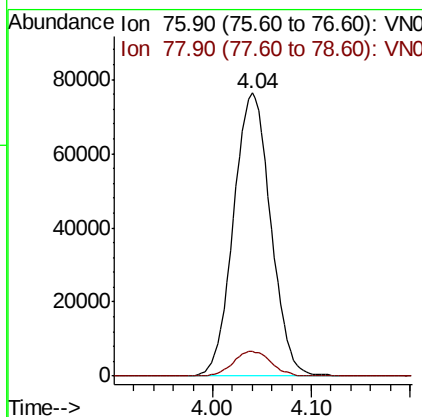
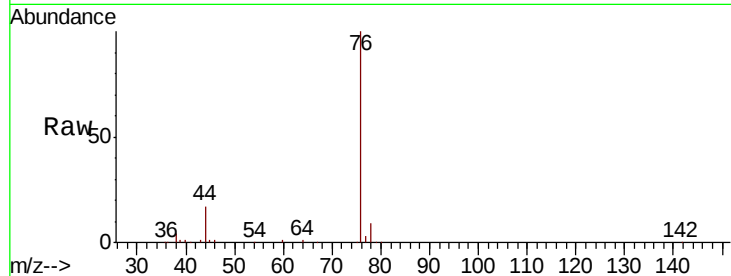
#17
Carbon Disulfide
Concen: 18.333 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

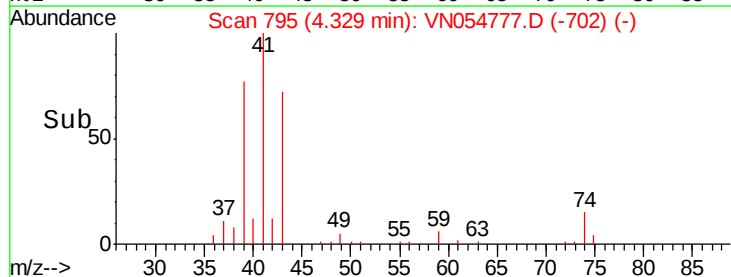
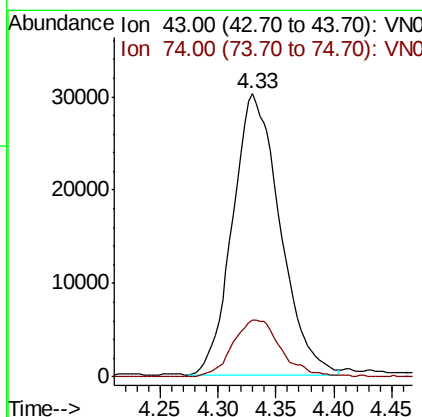
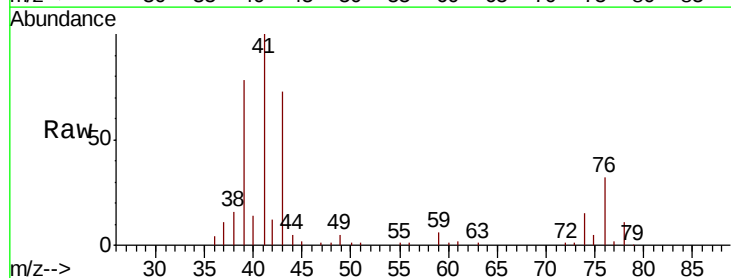
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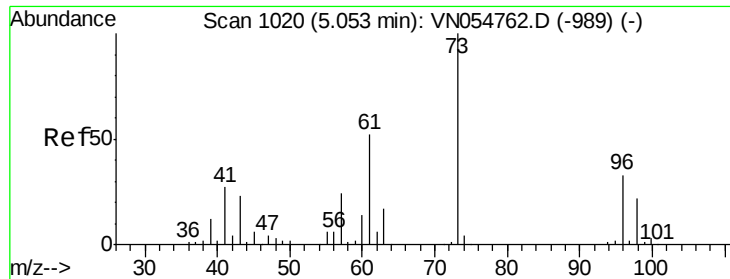
MMDadoda
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#18
Methyl Acetate
Concen: 23.437 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	20.8	31.2#





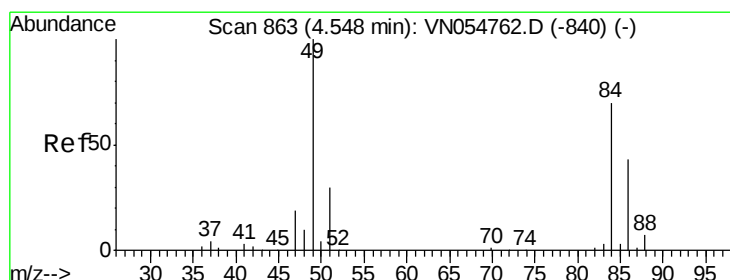
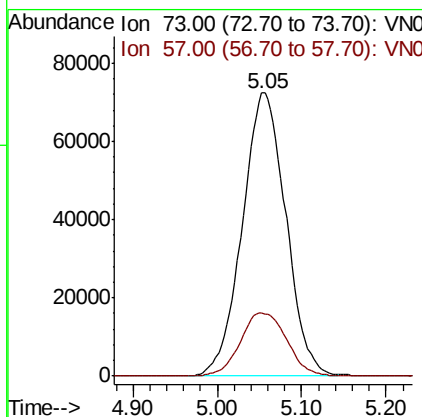
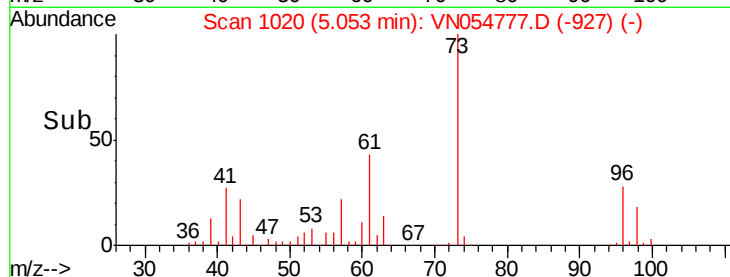
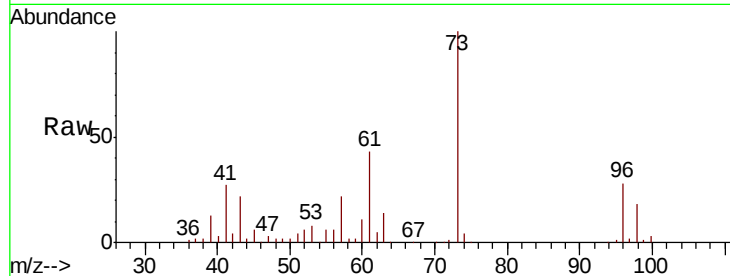
#19
Methvl tert-butvl Ether
Concen: 22.068 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion: 73 Resp: 259524
Ion Ratio Lower Upper
73 100
57 22.3 16.8 25.2

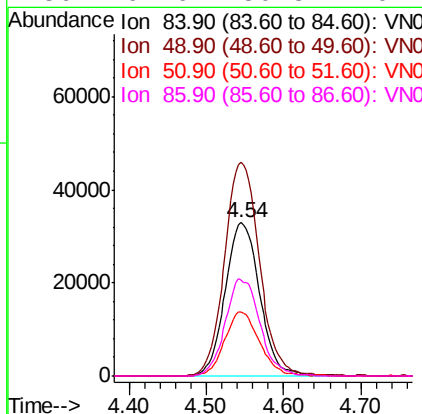
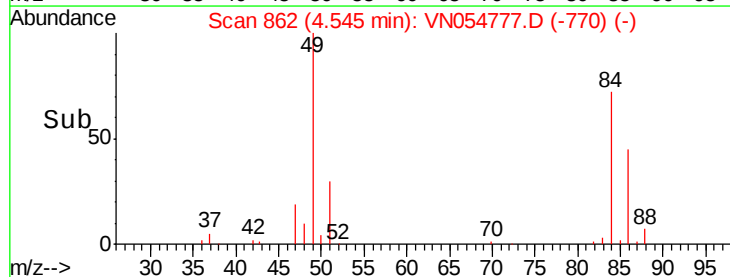
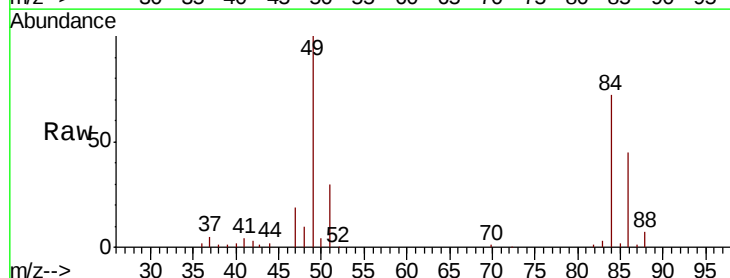
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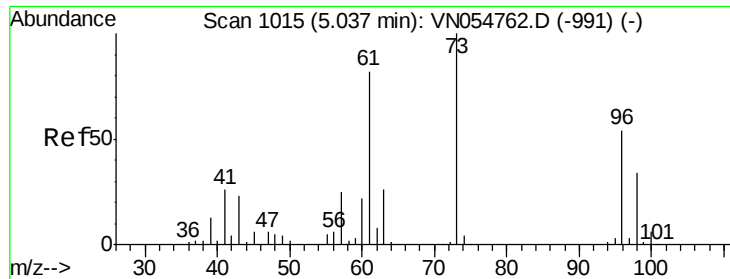
MMDadoda
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#20
Methylene Chloride
Concen: 21.024 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion: 84 Resp: 101963
Ion Ratio Lower Upper
84 100
49 138.9 89.7 134.5#
51 41.5 28.2 42.4
86 62.6 50.8 76.2





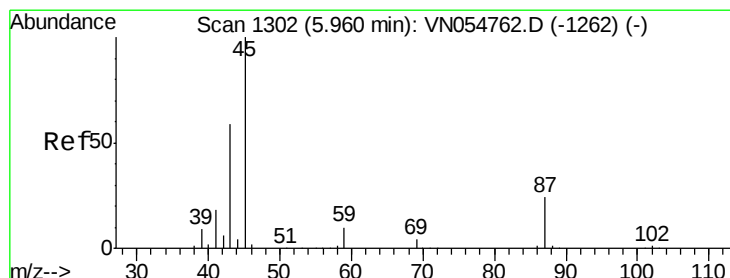
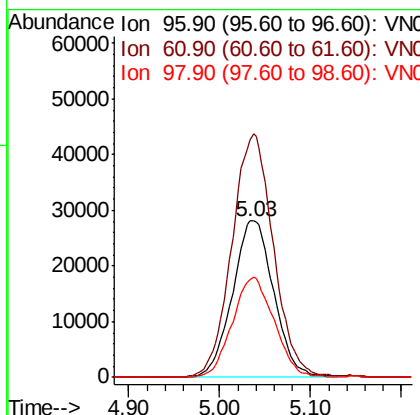
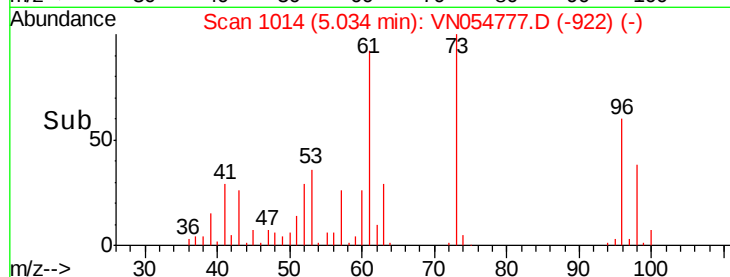
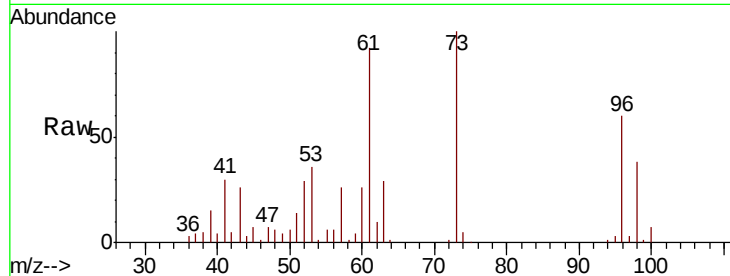
#21
trans-1,2-Dichloroethene
Concen: 20.120 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.3	102.8	154.2
98	62.6	50.0	75.0

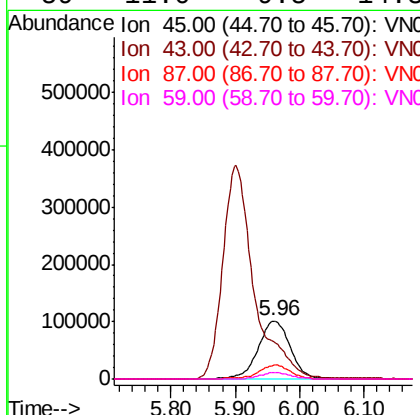
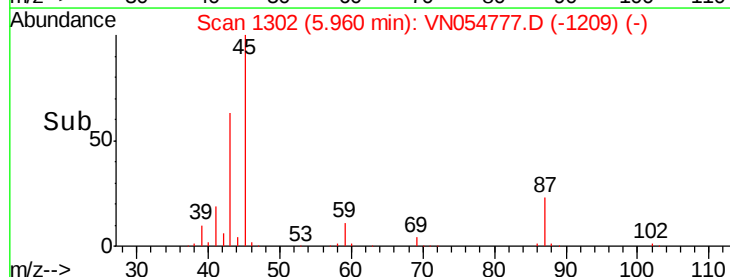
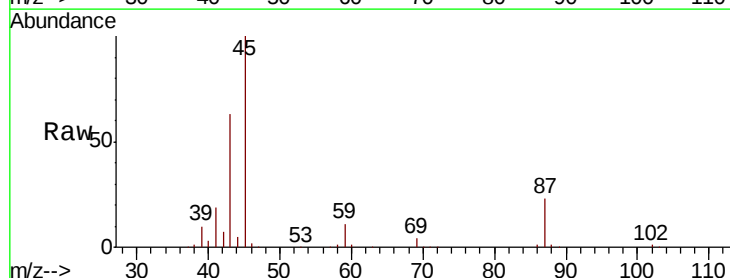
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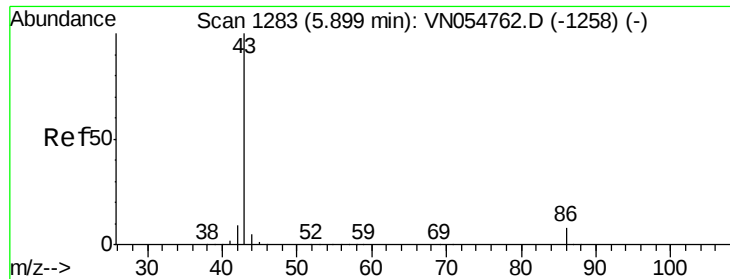
MMDadoda
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#22
Diisopropyl ether
Concen: 21.374 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	48.2	72.2
87	23.0	24.9	37.3
59	11.0	9.5	14.3





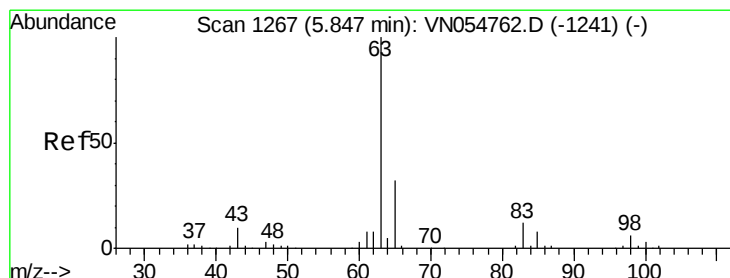
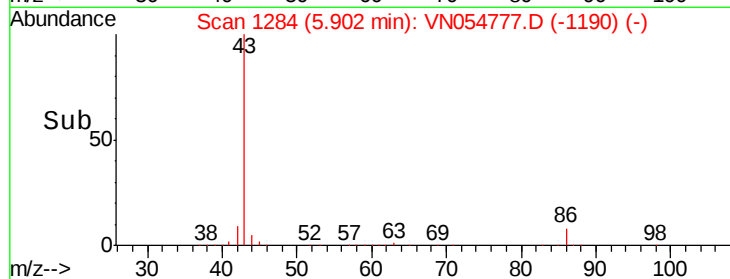
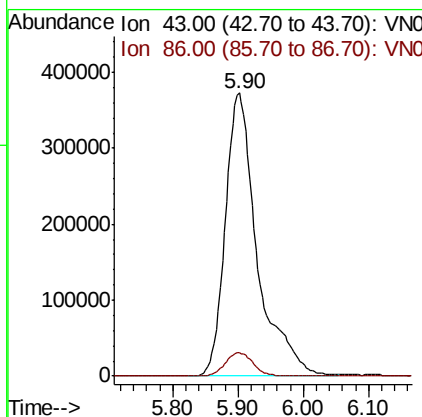
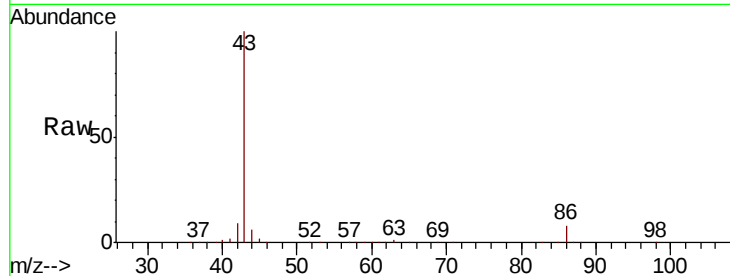
#23
 Vinyl Acetate
 Concen: 110.814 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329MBS01

Tot Ion: 43 Resp: 1263041
 Ion Ratio Lower Upper
 43 100
 86 8.3 9.1 13.7#

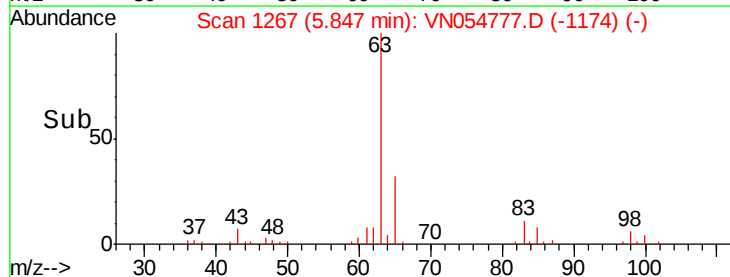
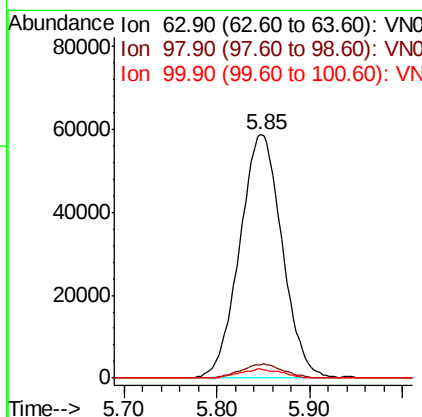
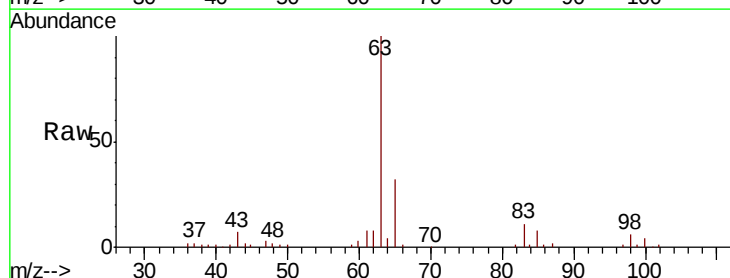
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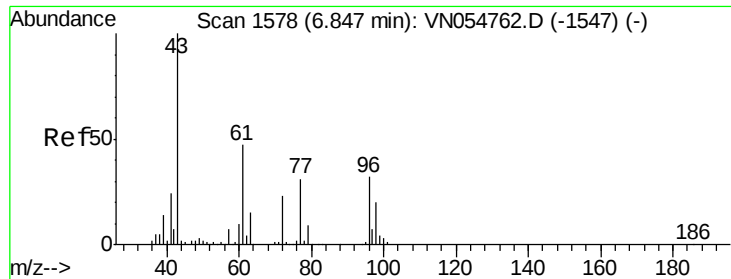
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.344 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Tgt Ion: 63 Resp: 186483
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.5 10.5
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 120.334 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion: 43 Resp: 244560

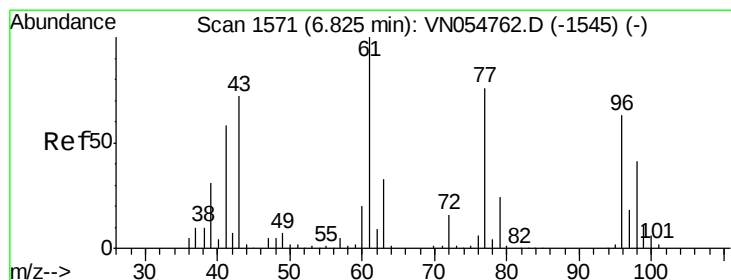
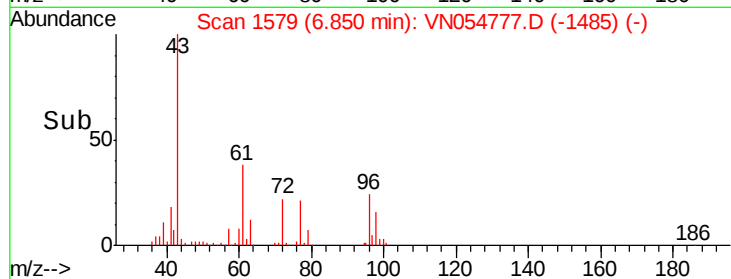
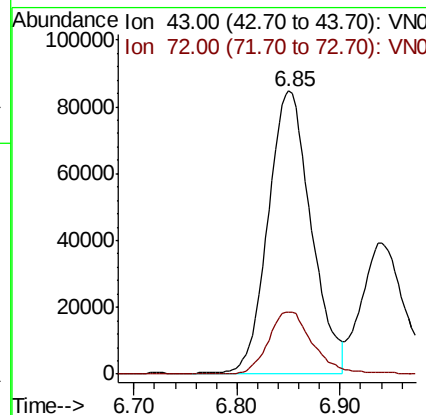
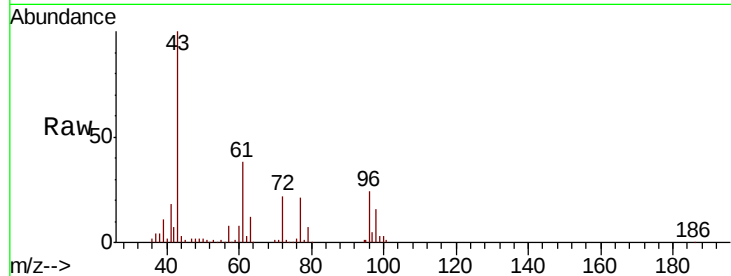
Ion Ratio Lower Upper

43 100

72 22.1 23.0 34.6#

Manual Integrations
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MMDadoda
4/1/2019 3:59:08 PM



#26

2,2-Dichloropropane

Concen: 19.587 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054777.D

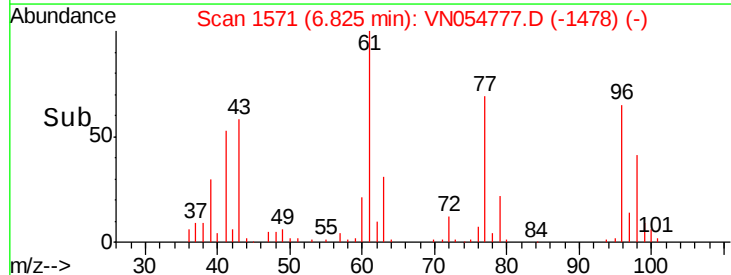
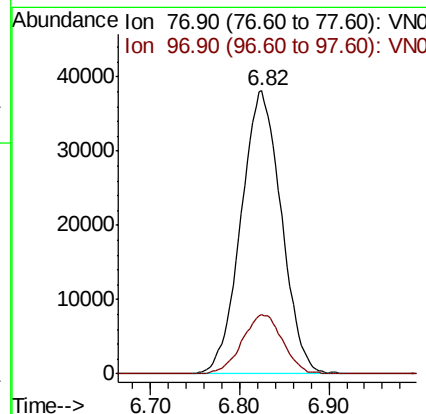
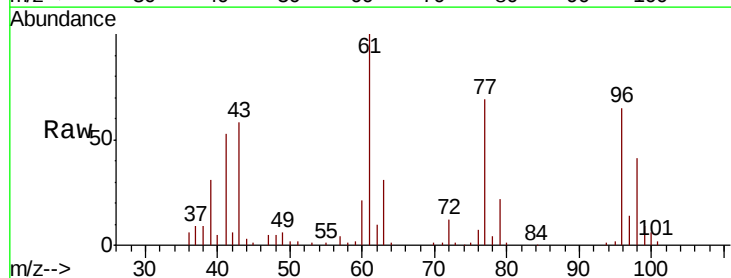
Acq: 29 Mar 2019 18:25

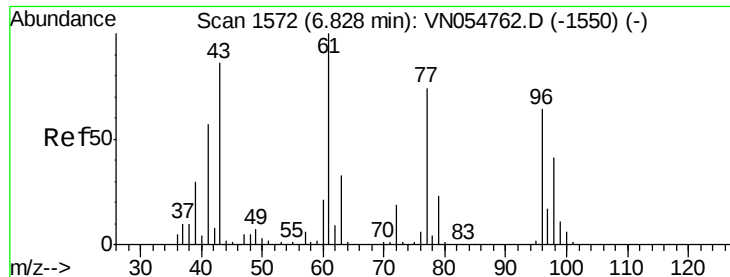
Tgt Ion: 77 Resp: 119944

Ion Ratio Lower Upper

77 100

97 21.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.329 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

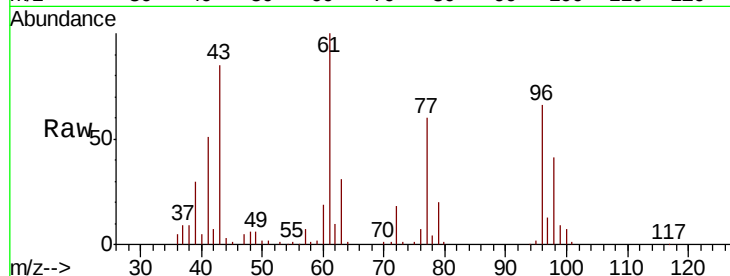
ClientSampleId :

VN0329MBS01

Tot Ion	96	Resp	106399
Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	273.0
98	63.7	0.0	130.6

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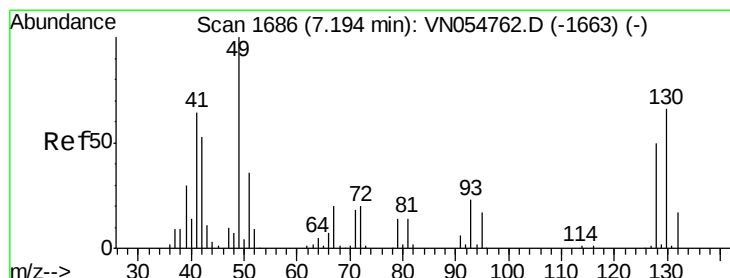
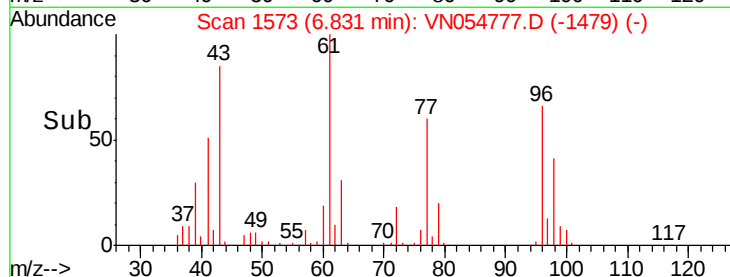
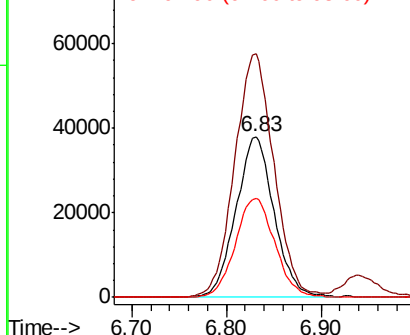


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.661 ug/l

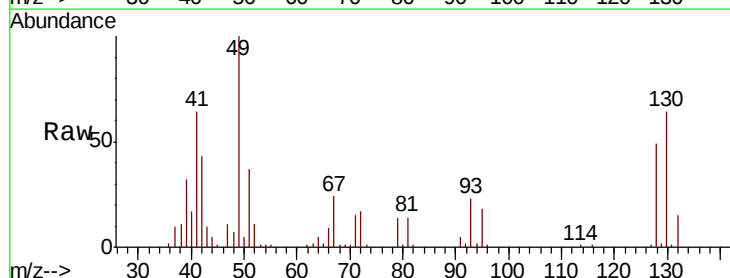
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion	49	Resp	99001
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.6
130	65.3	76.7	115.1#

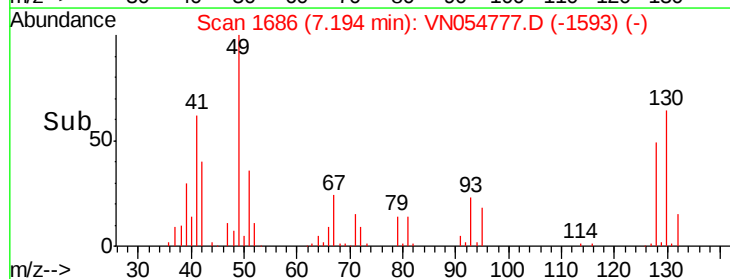
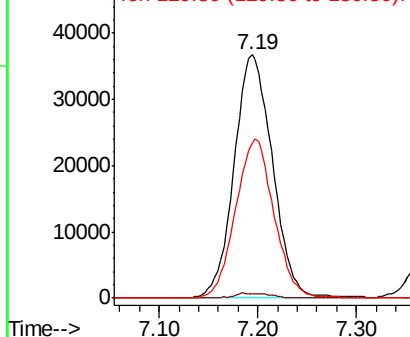


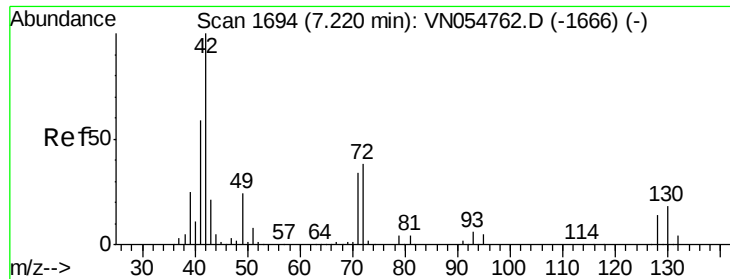
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





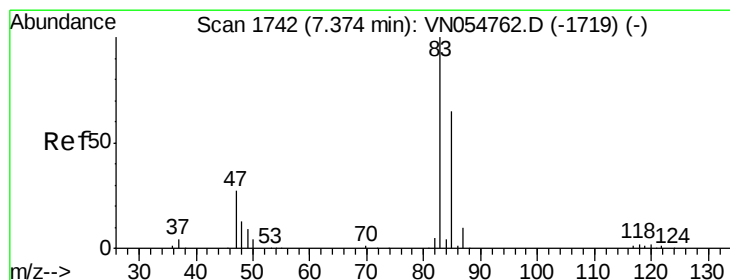
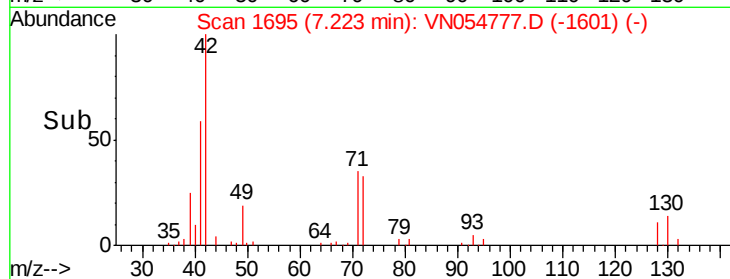
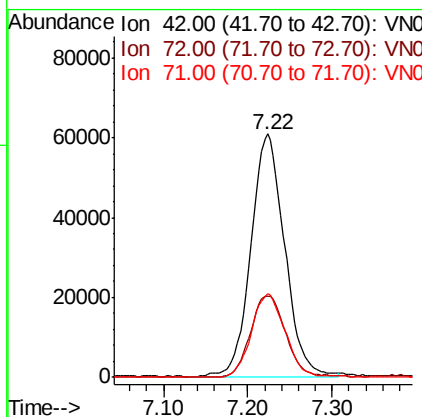
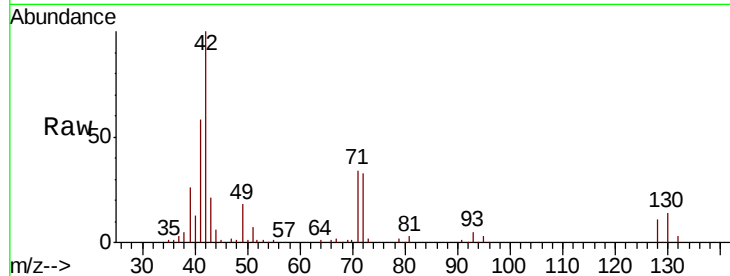
#29
Tetrahydrofuran
Concen: 119.326 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	37.8	56.6#
71	34.2	36.2	54.2#

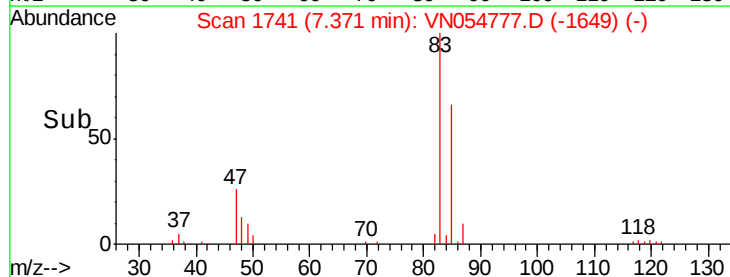
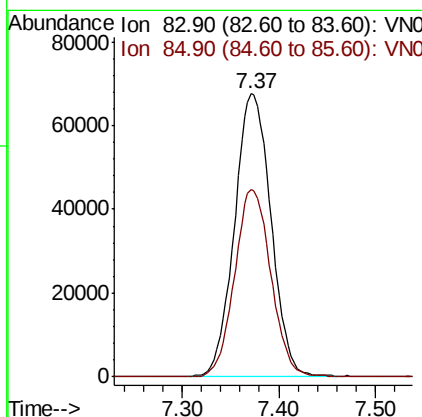
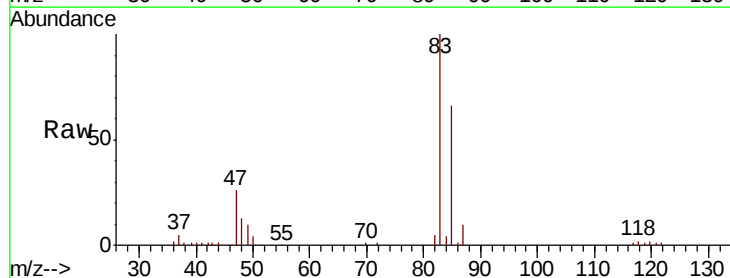
Manual Integrations
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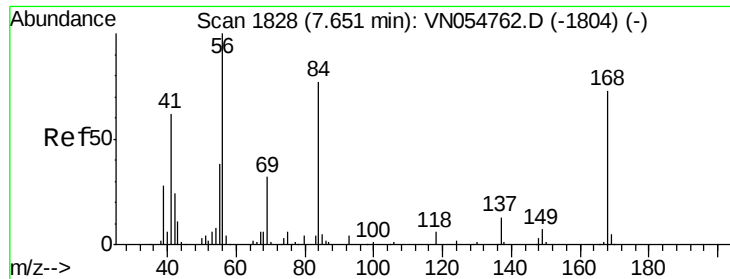
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#30
Chloroform
Concen: 21.335 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4





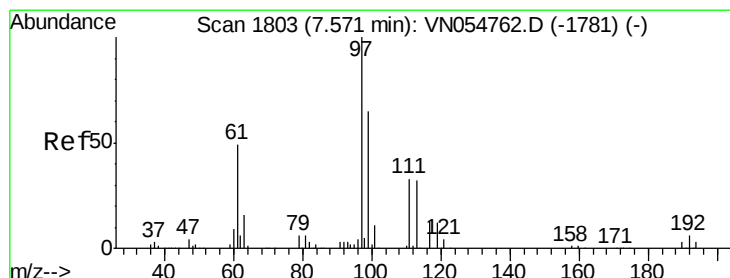
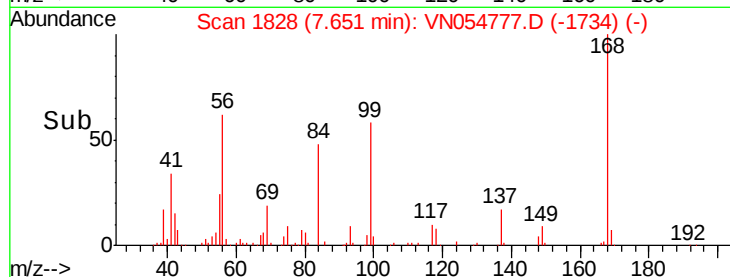
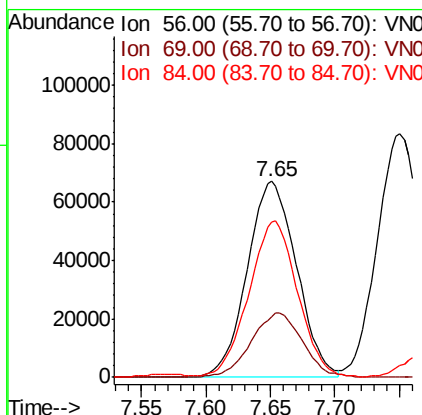
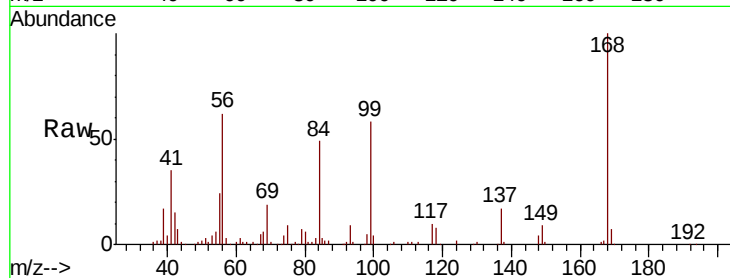
#31
Cyclohexane
Concen: 21.280 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampled :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	27.8	41.6
84	78.4	74.6	111.8

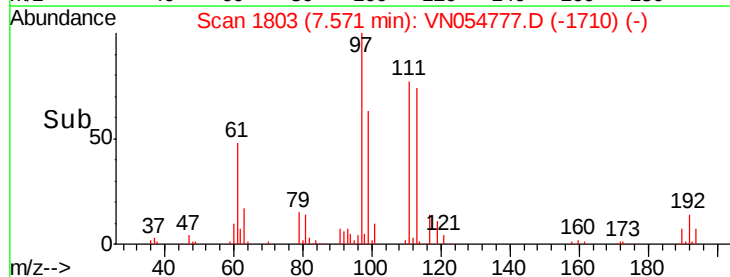
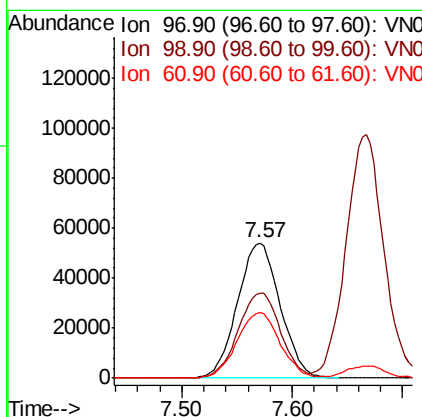
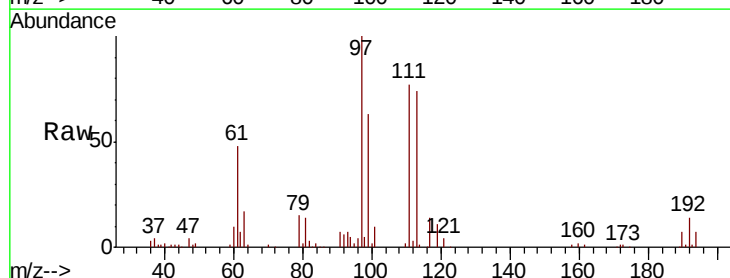
Manual Integrations
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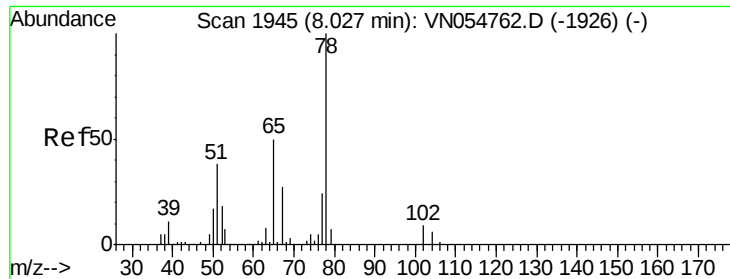
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#32
1,1,1-Trichloroethane
Concen: 20.951 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.5	77.3
61	48.9	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 53.747 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion: 65 Resp: 309879

Ion Ratio Lower Upper

65 100

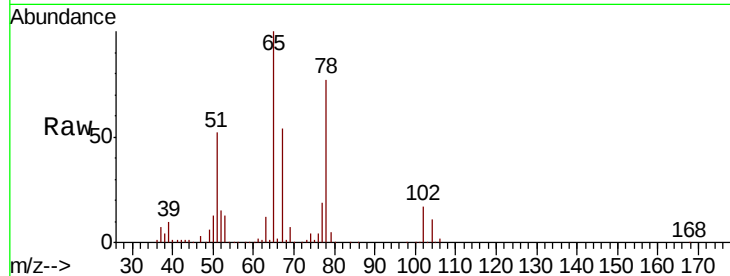
67 53.4 0.0 104.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN054777.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054777.D (-1852) (-)

8.03

150000

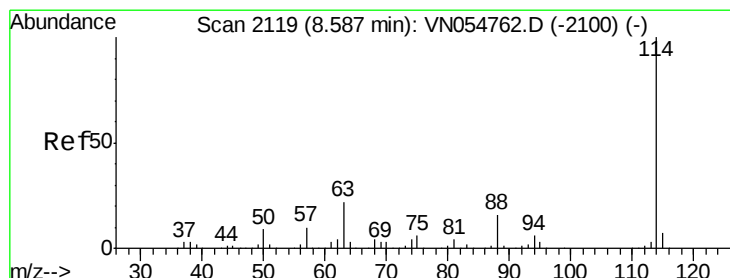
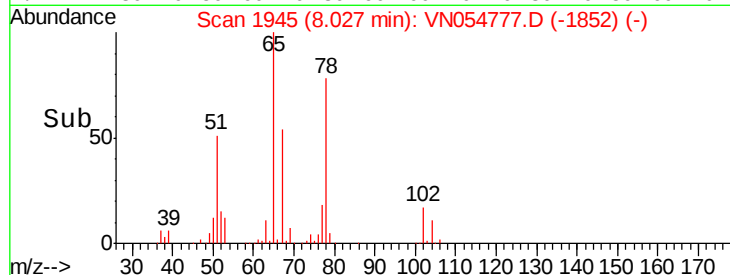
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

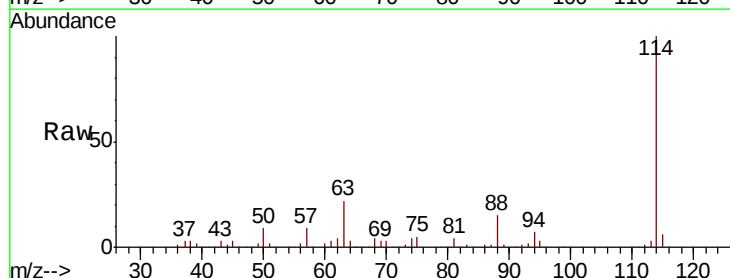
Tgt Ion: 114 Resp: 720257

Ion Ratio Lower Upper

114 100

63 22.3 0.0 35.2

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054777.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054777.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054777.D (-2026) (-)

8.59

400000

300000

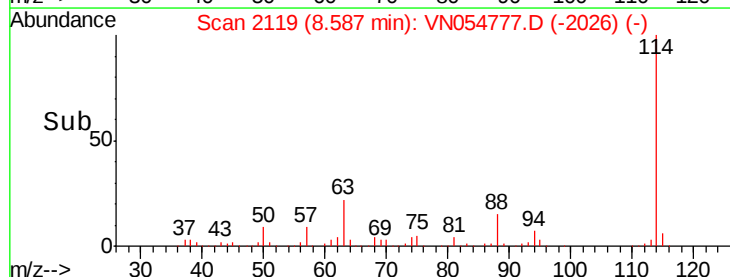
200000

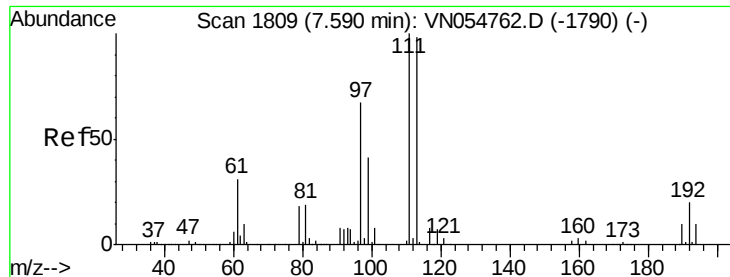
100000

0

8.50 8.60 8.70 8.80

Time-->





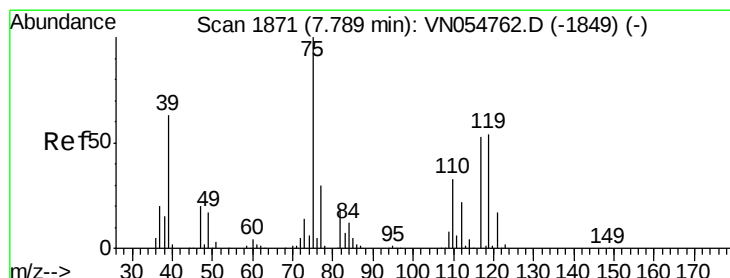
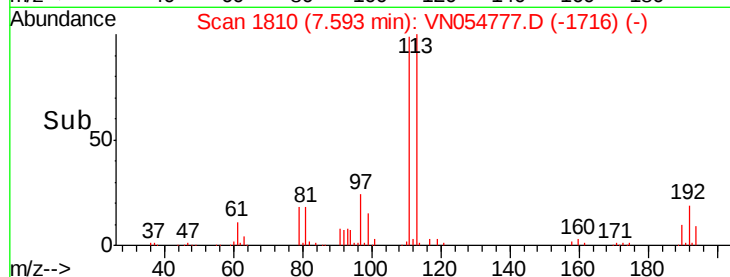
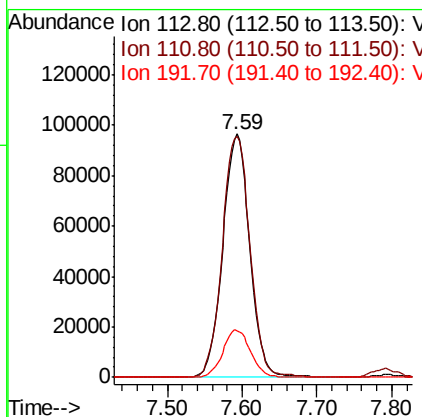
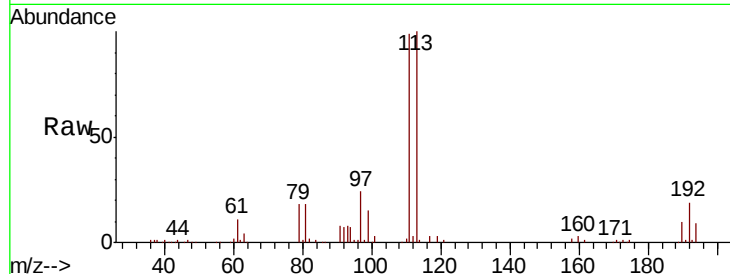
#35
 Dibromofluoromethane
 Concen: 50.098 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.2	123.4	
192	20.0	19.2	28.8	

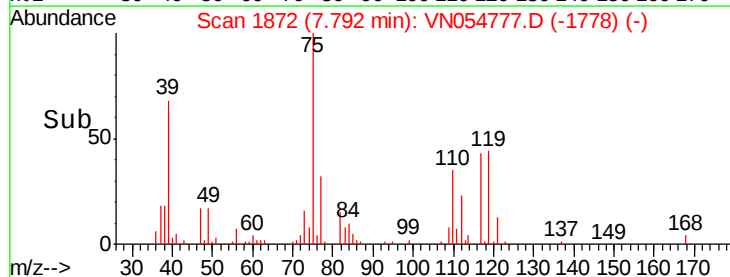
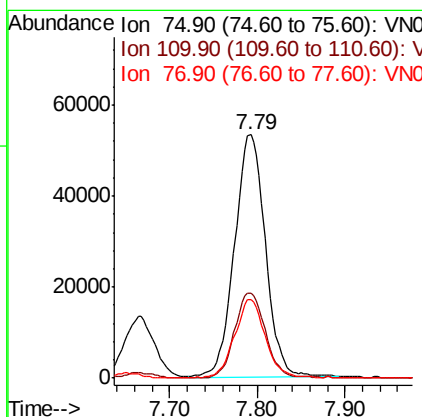
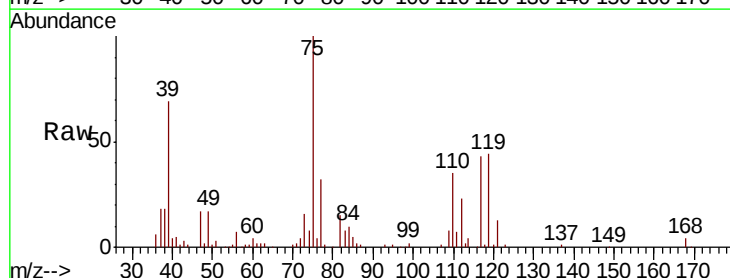
Manual Integrations
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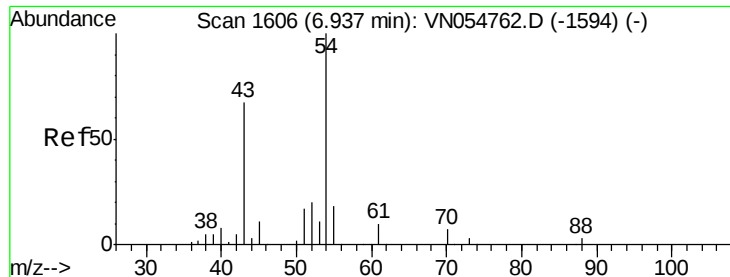
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#36
 1,1-Dichloropropene
 Concen: 19.393 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.8	19.1	57.5	
77	31.6	25.0	37.4	





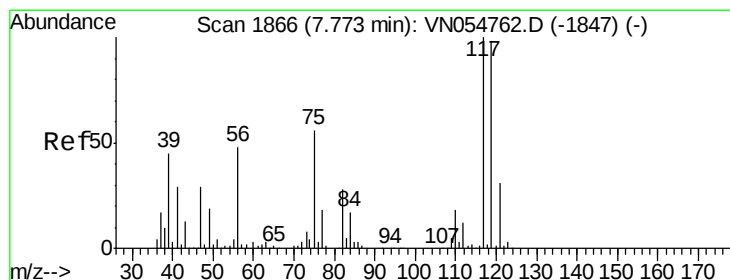
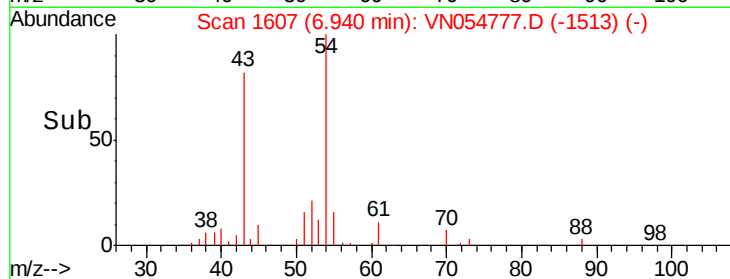
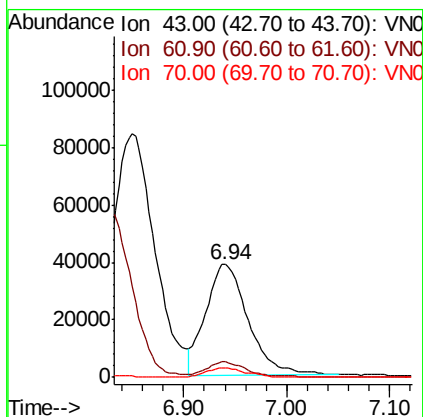
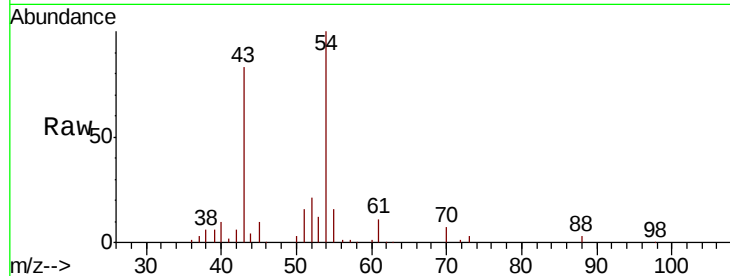
#37
Ethyl Acetate
Concen: 22.569 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampled :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.8	17.6
70	8.3	8.4	12.6

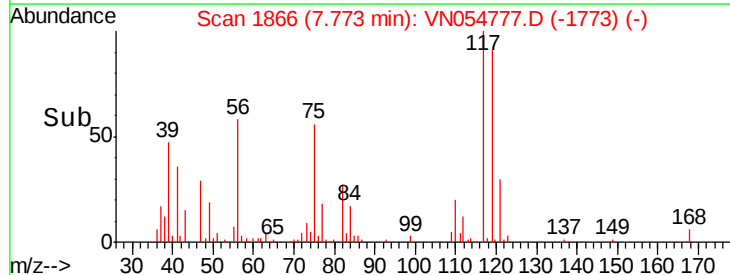
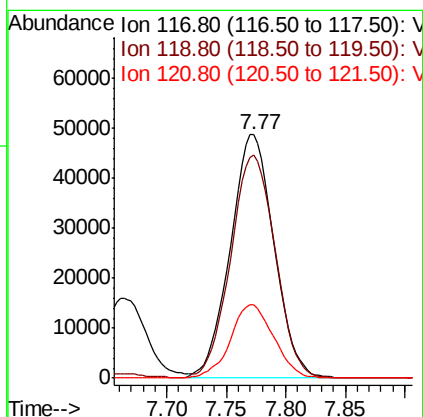
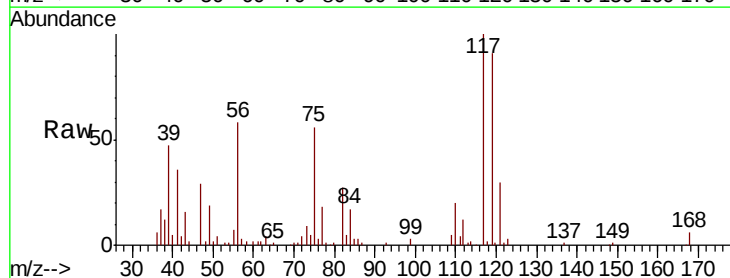
Manual Integrations
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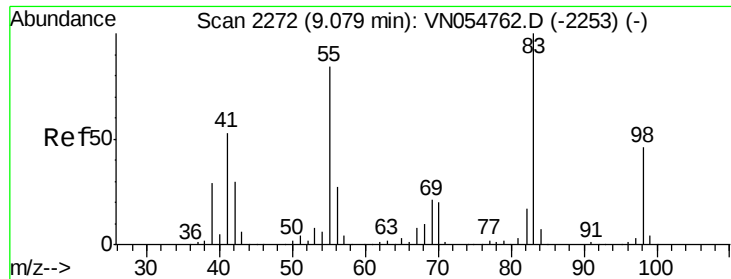
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#38
Carbon Tetrachloride
Concen: 18.900 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.3	114.5
121	30.1	24.6	36.8





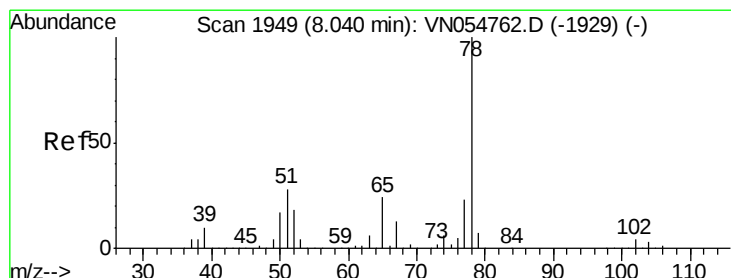
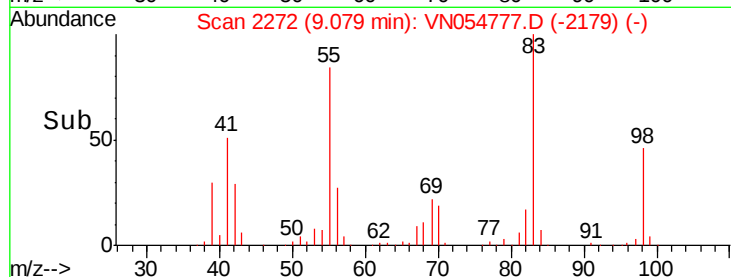
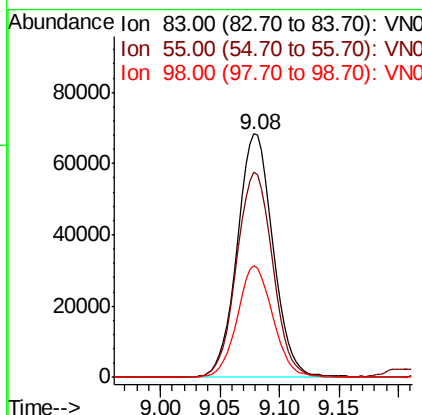
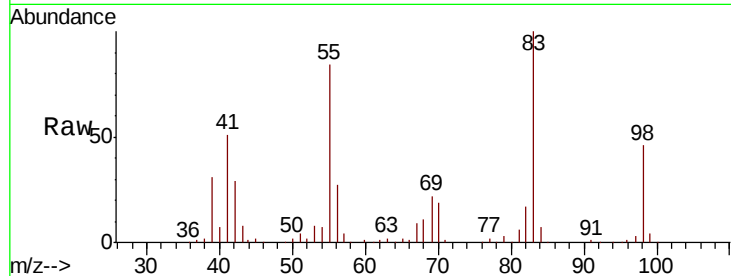
#39
Methvlcvclohexane
Concen: 19.366 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	56.6	84.8
98	45.8	38.4	57.6

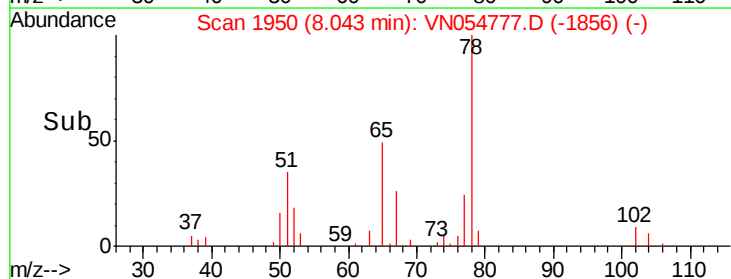
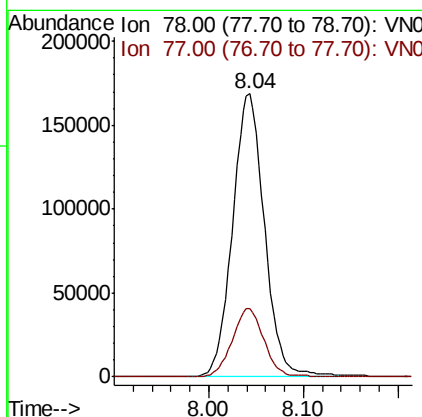
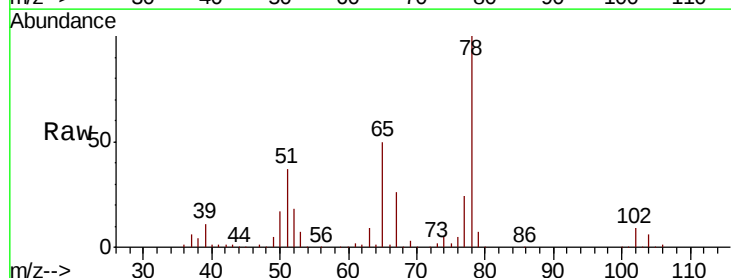
Manual Integrations
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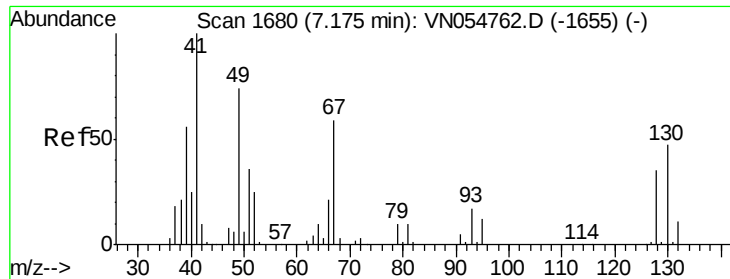
MMDadoda
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#40
Benzene
Concen: 20.563 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





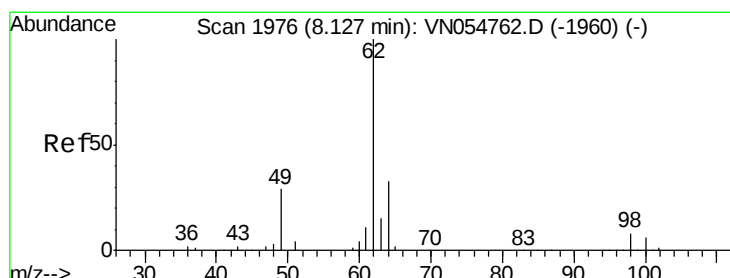
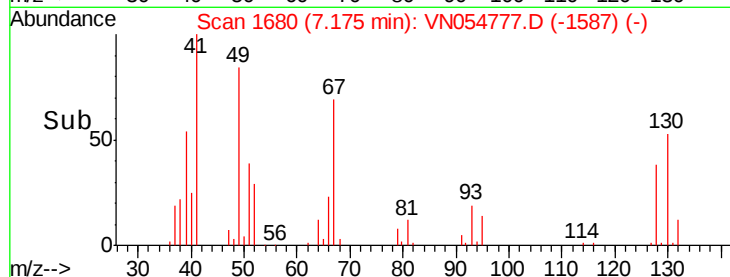
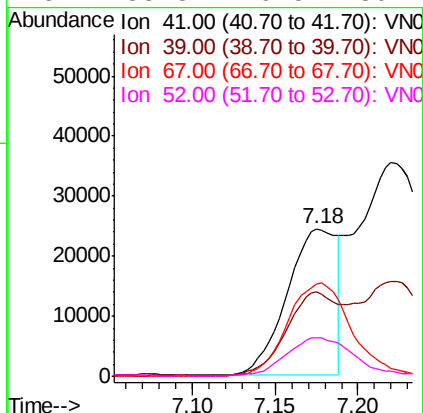
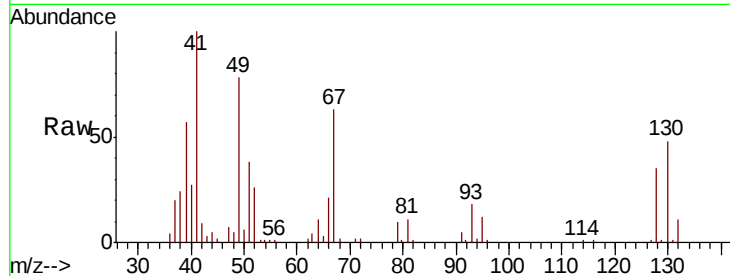
#41
Methacrylonitrile
Concen: 18.435 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	41	Resp	50969
Ion Ratio	Lower	Upper	
41	100		
39	60.1	46.8	70.2
67	81.9	67.0	100.4
52	35.8	26.5	39.7

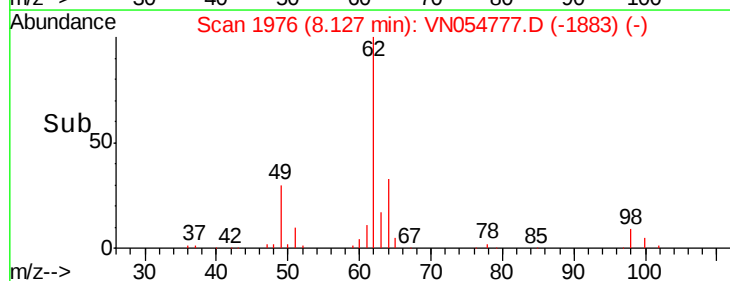
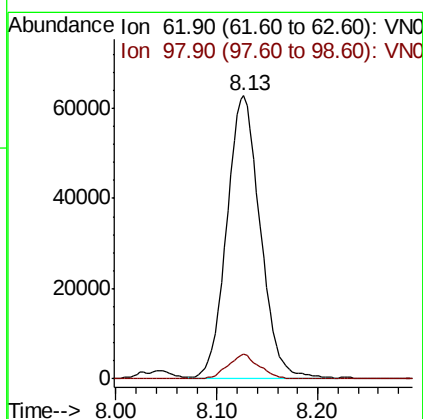
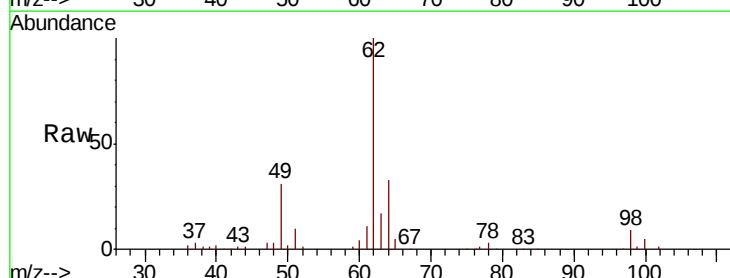
Manual Integrations
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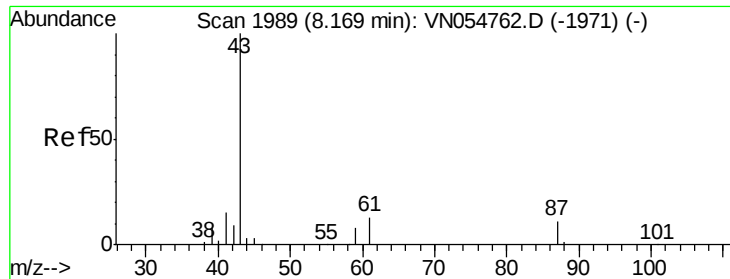
MMDadoda
4/1/2019 3:59:08 PM



#42
1,2-Dichloroethane
Concen: 20.909 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	62	Resp	143375
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 22.263 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

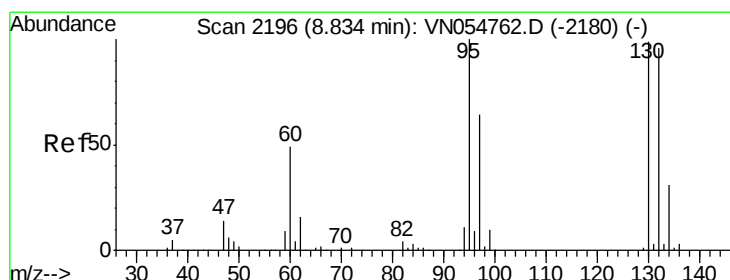
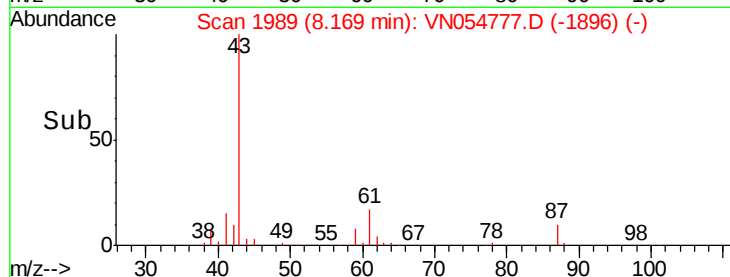
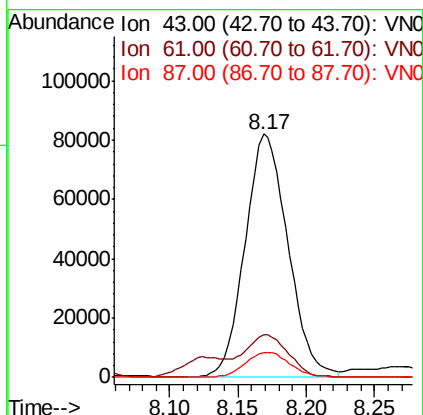
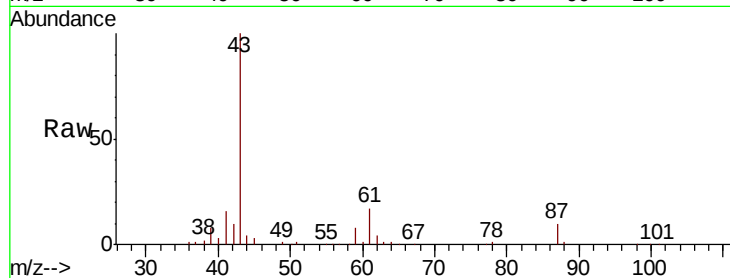
ClientSampleId :

VN0329MBS01

Tot Ion:	43	Resp:	178040
Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.8	23.8
87	10.7	12.0	18.0#

Manual Integrations
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MMDadoda
4/1/2019 3:59:08 PM



#44

Trichloroethene

Concen: 20.883 ug/l

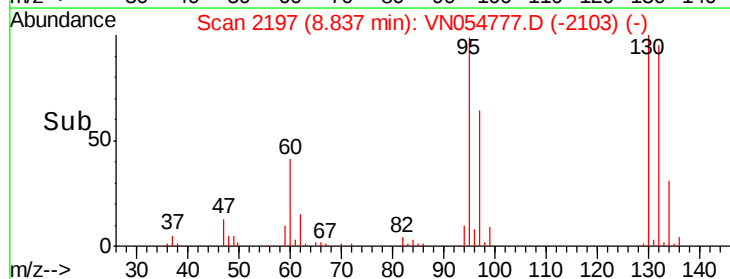
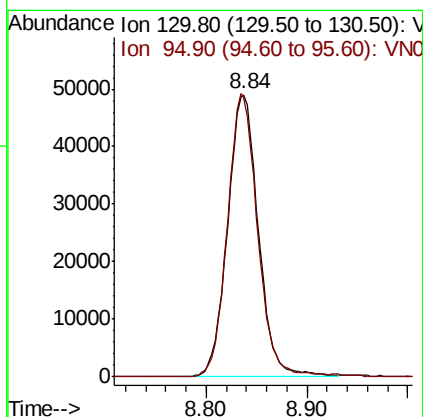
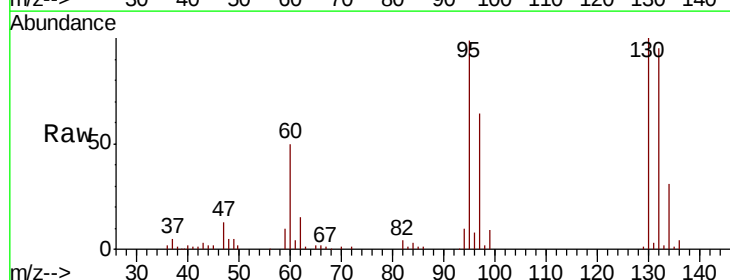
RT: 8.84 min Scan# 2197

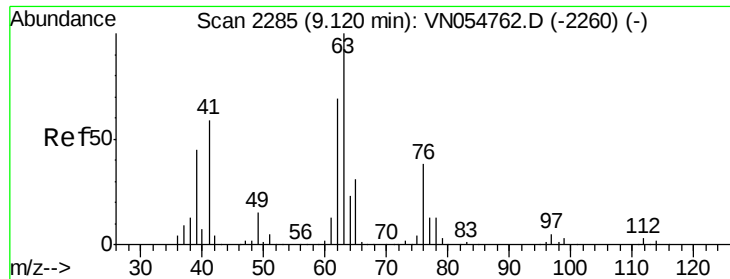
Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion:	130	Resp:	104102
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	185.2





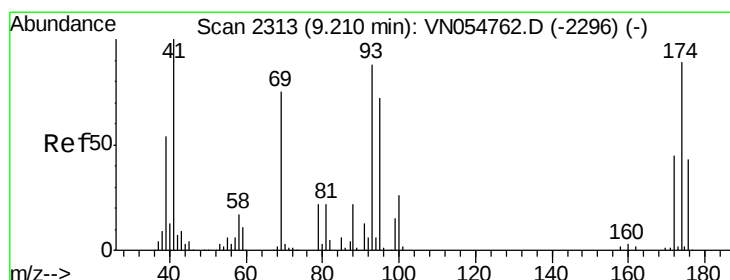
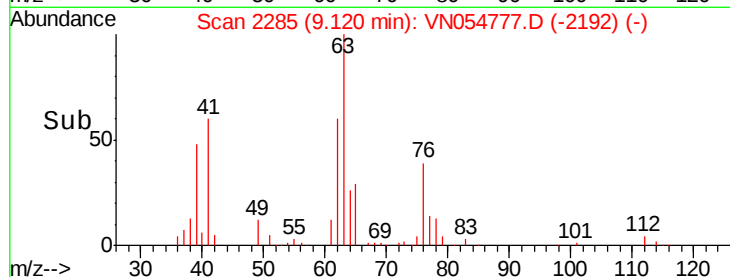
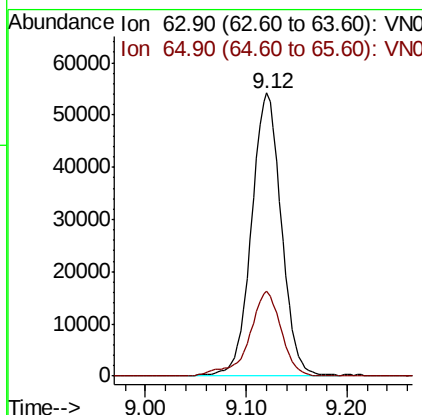
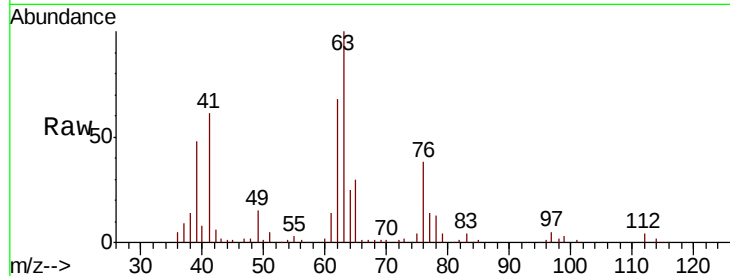
#45
 1,2-Dichloropropane
 Concen: 20.301 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329MBS01

Tot Ion: 63 Resp: 111164
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6

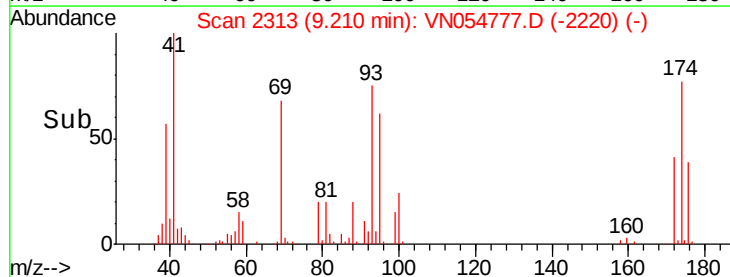
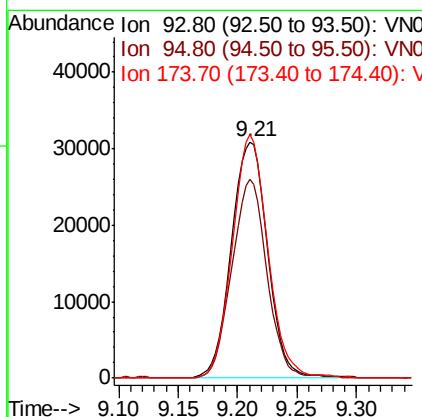
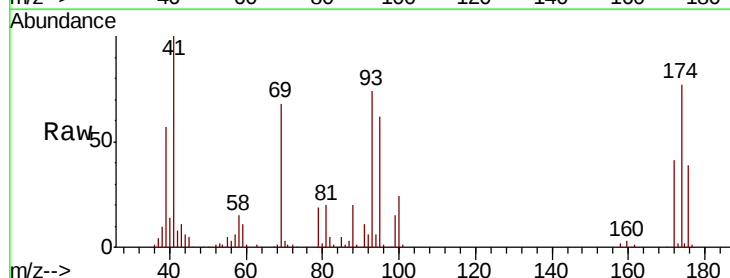
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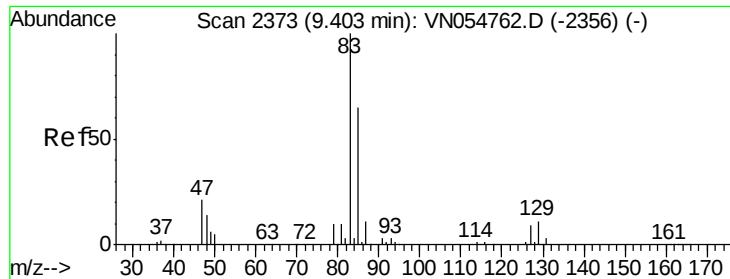
MMDadoda
 4/1/2019 3:59:08 PM



#46
 Dibromomethane
 Concen: 21.207 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Tgt Ion: 93 Resp: 65326
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.7 100.1
 174 100.1 98.5 147.7





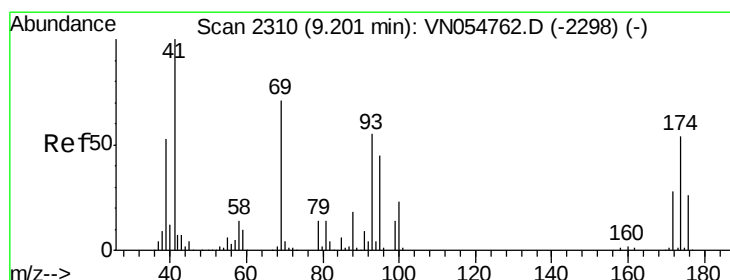
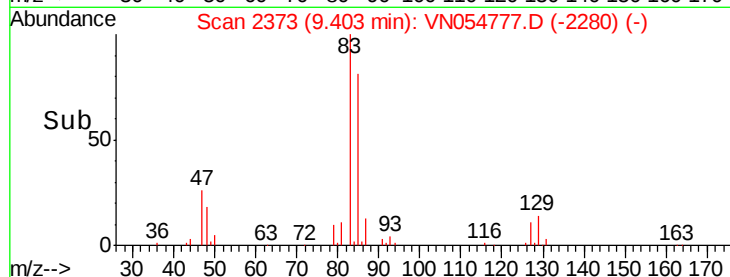
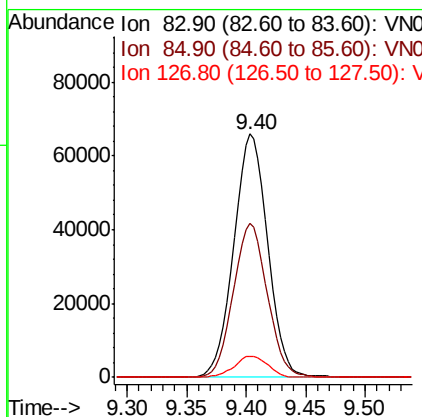
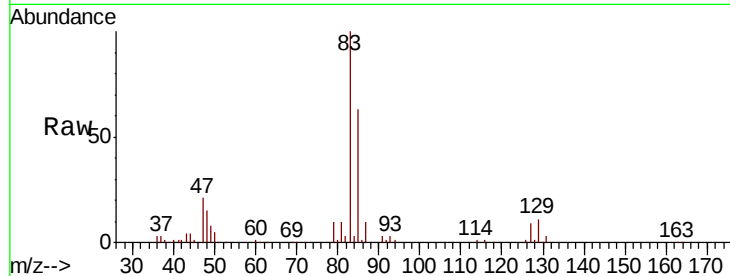
#47
Bromodichloromethane
Concen: 20.360 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	83	Resp	130344
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	52.8	79.2
127	8.5	7.4	11.2

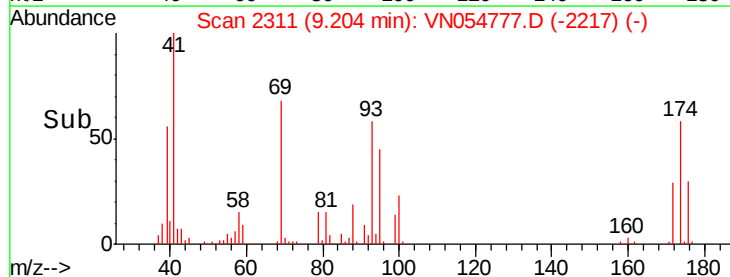
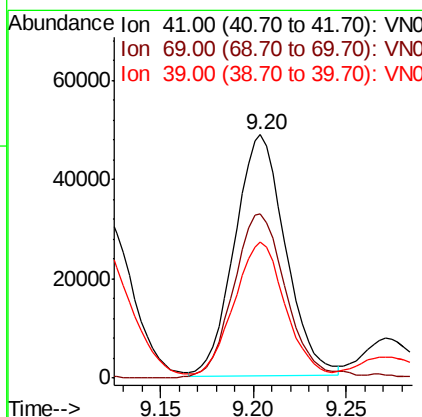
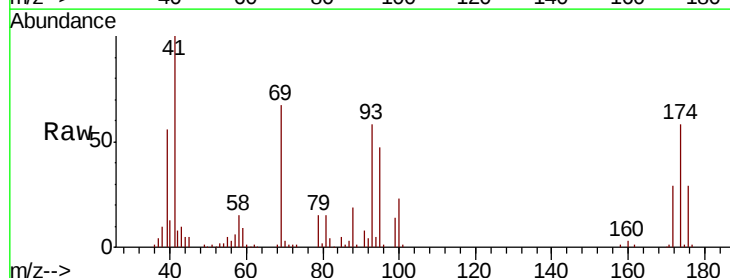
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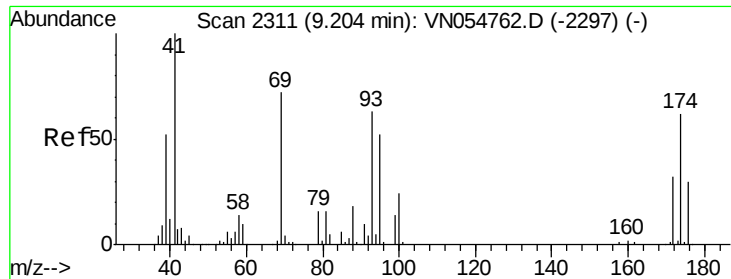
MMDadoda
4/1/2019 3:59:08 PM



#48
Methyl methacrylate
Concen: 21.367 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	41	Resp	92626
Ion Ratio	100	Lower	Upper
41	100		
69	70.6	72.6	108.8#
39	56.1	47.5	71.3





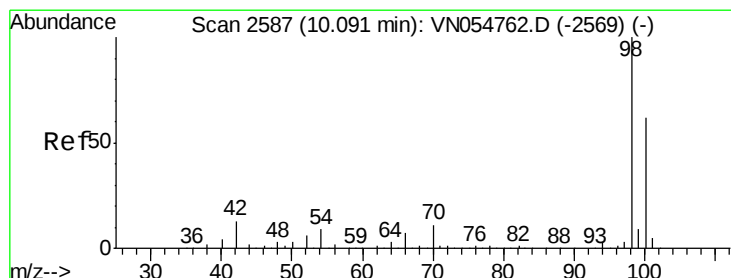
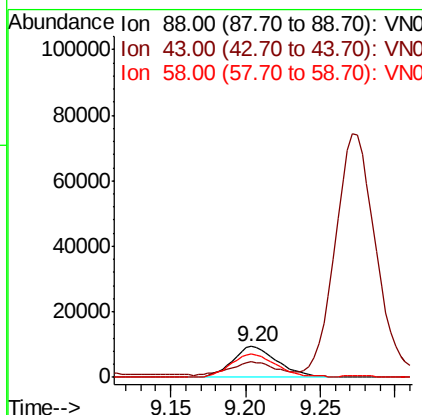
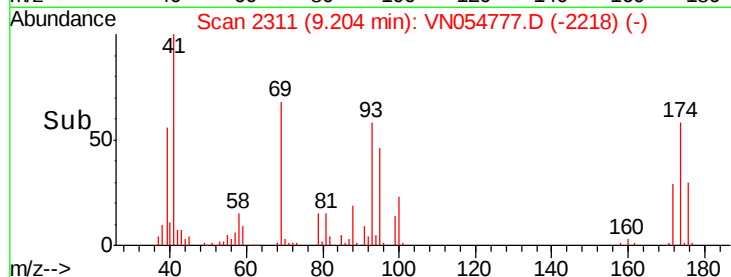
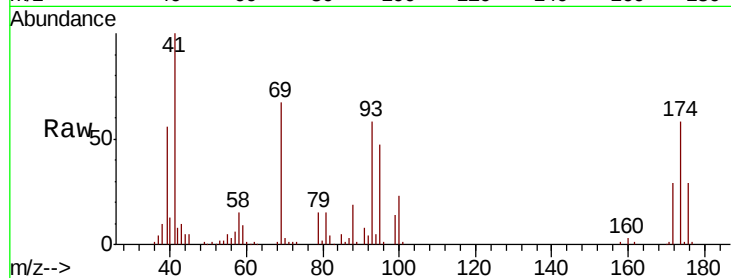
#49
1,4-Dioxane
Concen: 462.773 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.8	24.1	36.1#
58	76.3	50.8	76.2#

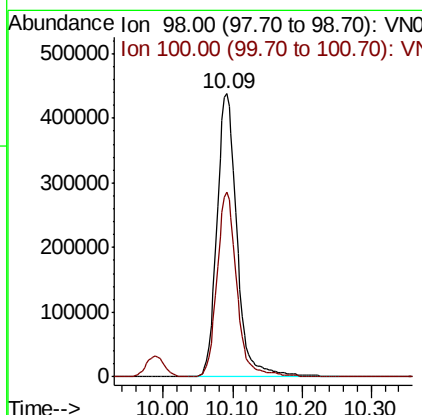
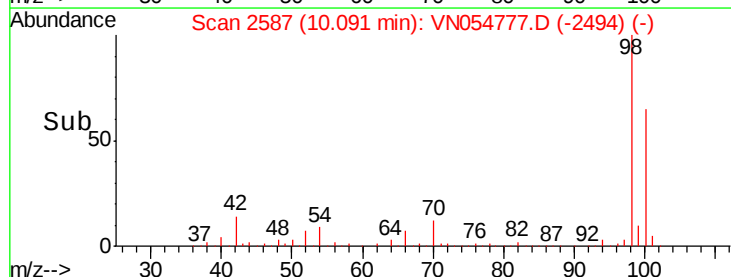
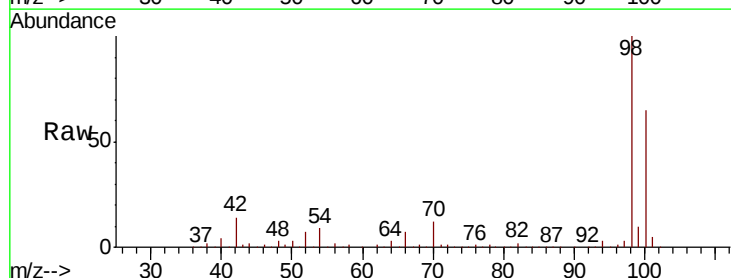
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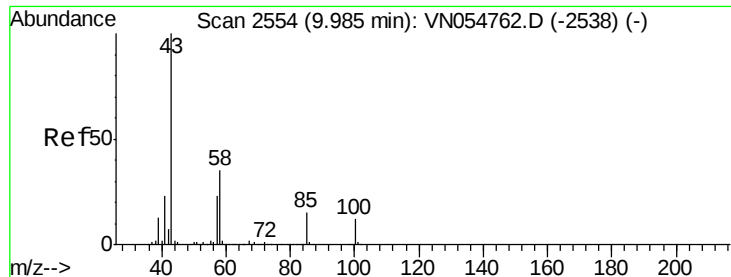
MMDadoda
4/1/2019 3:59:08 PM



#50
Toluene-d8
Concen: 49.422 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





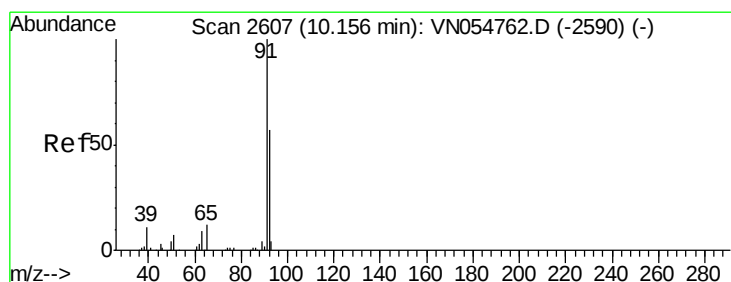
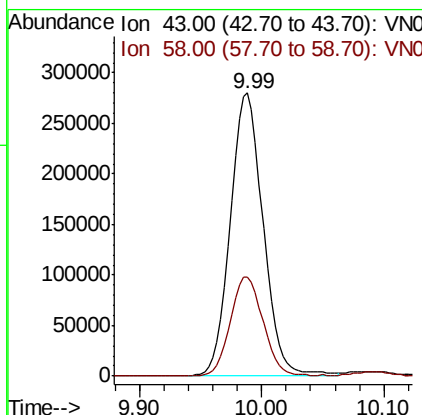
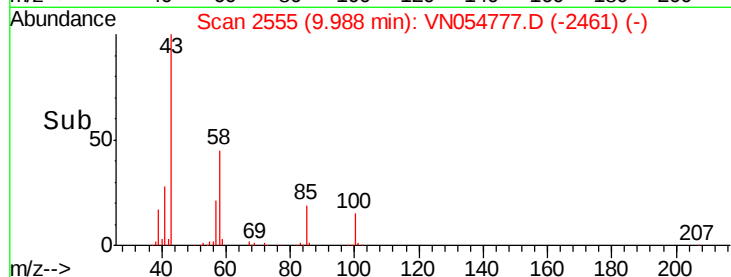
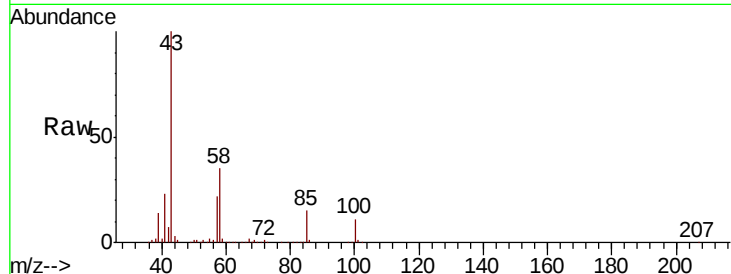
#51
4-Methyl-2-Pentanone
Concen: 116.279 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.2	31.8	47.6

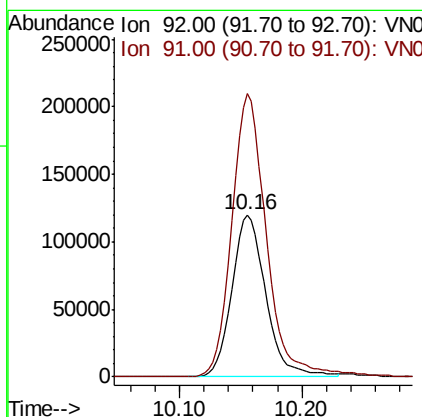
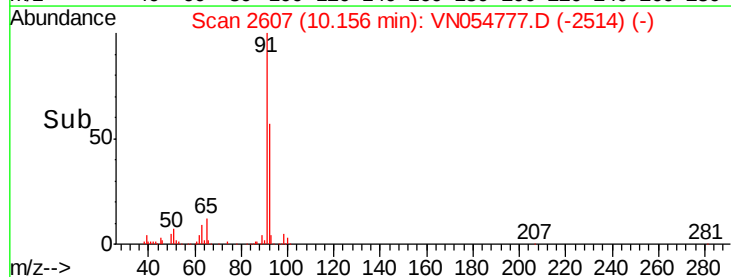
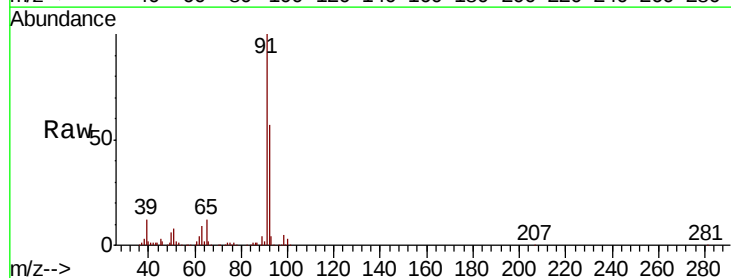
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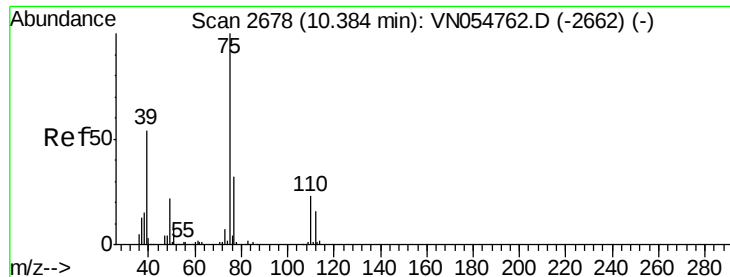
MMDadoda
4/1/2019 3:59:08 PM



#52
Toluene
Concen: 20.304 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.1	140.7	211.1





#53

t-1,3-Dichloropropene

Concen: 19.518 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion: 75 Resp: 117540

Ion Ratio Lower Upper

75 100

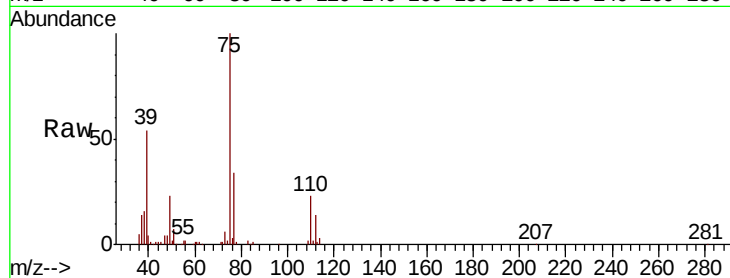
77 33.2 25.8 38.8

Manual Integrations

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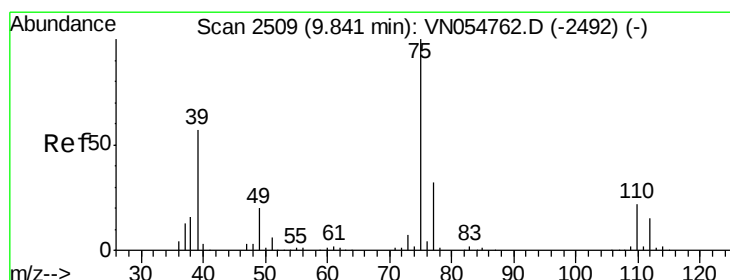
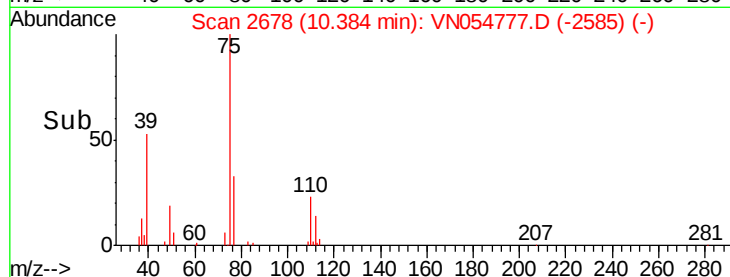
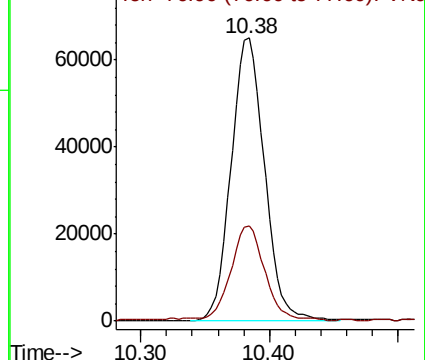
MMDadoda

4/1/2019 3:59:08 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.997 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

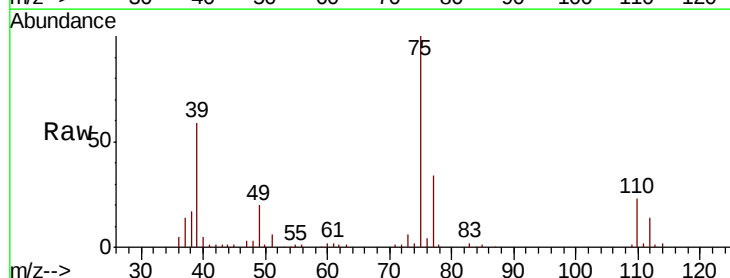
Tgt Ion: 75 Resp: 143850

Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.0

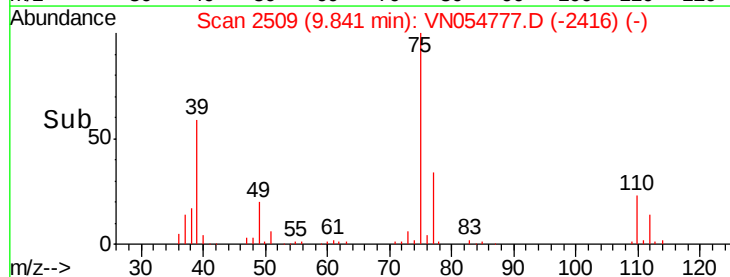
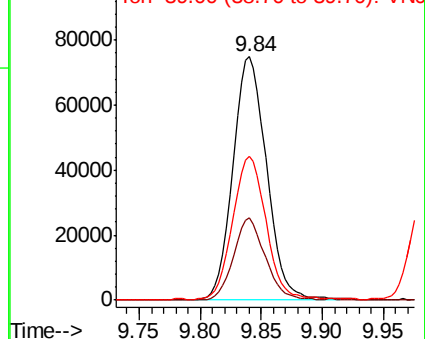
39 58.9 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





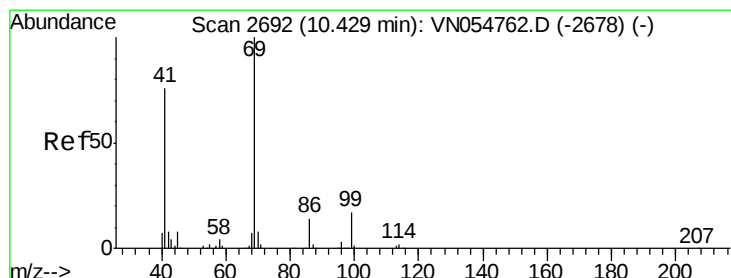
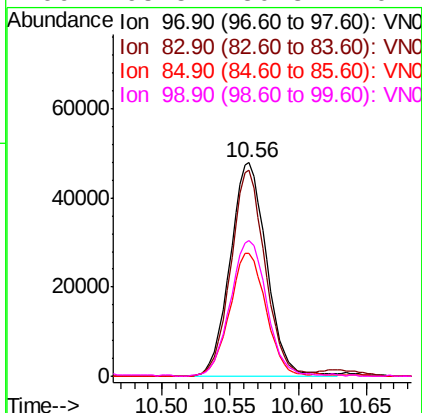
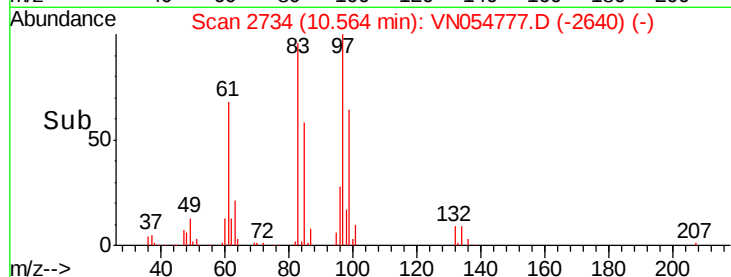
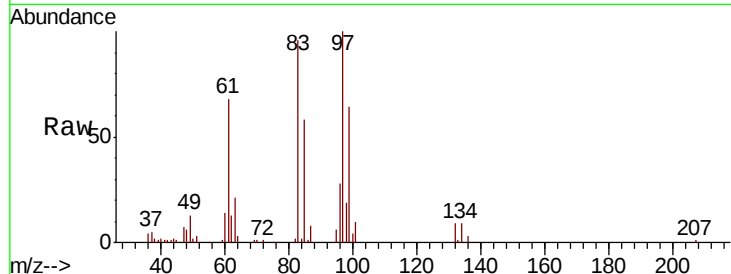
#55
 1,1,2-Trichloroethane
 Concen: 20.953 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329MBS01

Tot Ion:	97	Resp:	89030
Ion	Ratio	Lower	Upper
97	100		
83	96.4	66.6	100.0
85	57.7	44.4	66.6
99	63.5	50.8	76.2

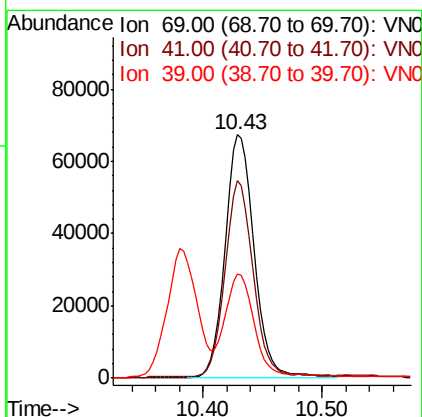
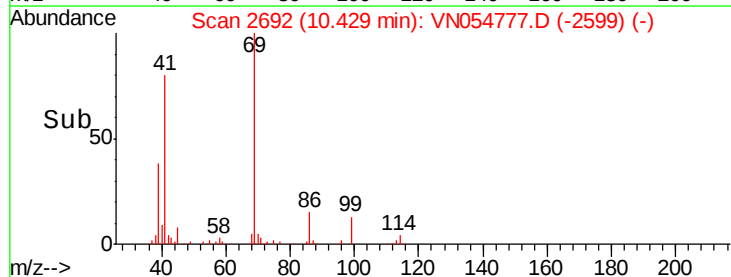
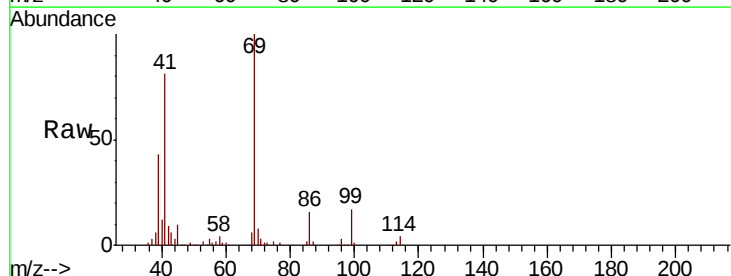
Manual Integrations
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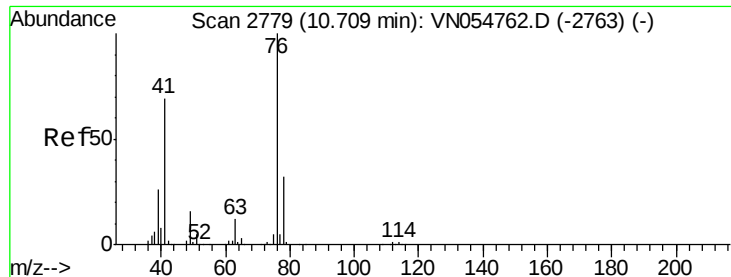
MMDadoda
 4/1/2019 3:59:08 PM



#56
 Ethyl methacrylate
 Concen: 20.642 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Tgt Ion:	69	Resp:	115055
Ion	Ratio	Lower	Upper
69	100		
41	77.2	49.4	74.2#
39	41.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.580 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion: 76 Resp: 157639

Ion Ratio Lower Upper

76 100

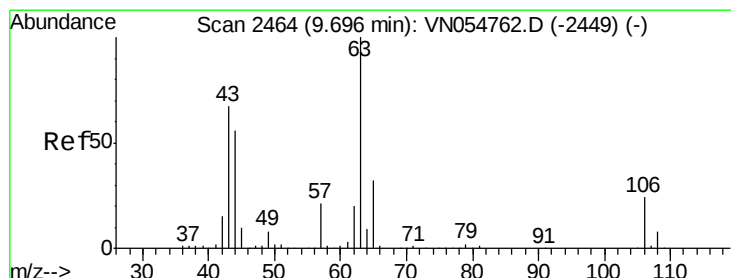
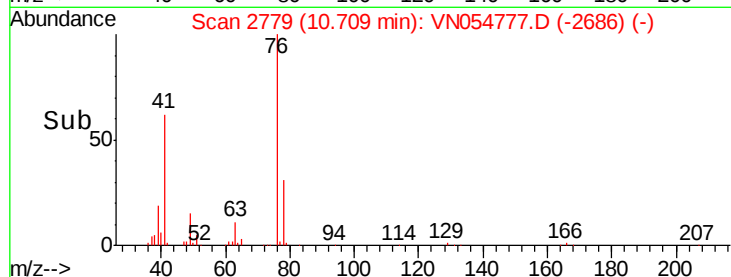
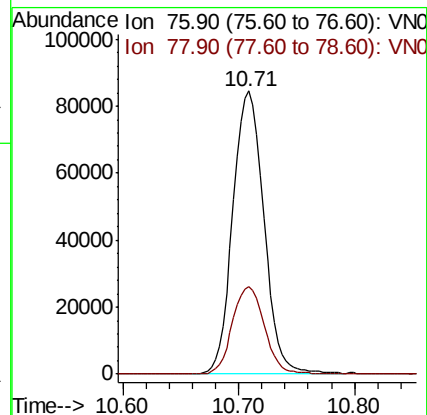
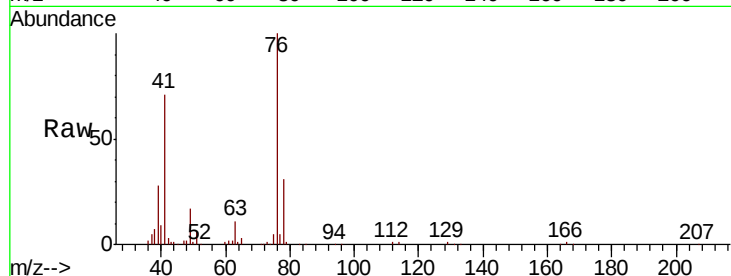
78 31.8 25.7 38.5

Manual Integrations

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MMDadoda

4/1/2019 3:59:08 PM



#58

2-Chloroethyl Vinyl ether

Concen: 101.875 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054777.D

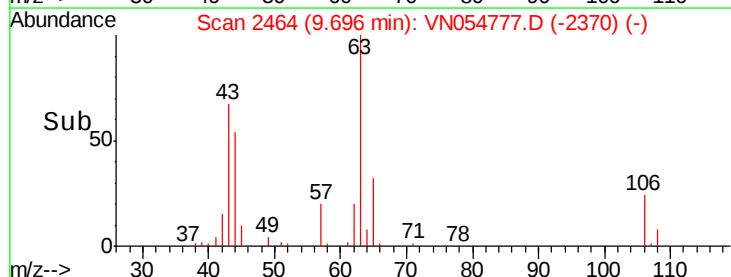
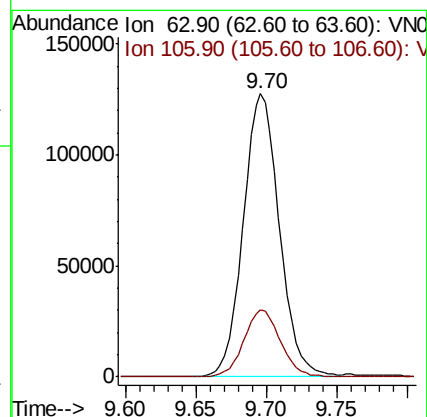
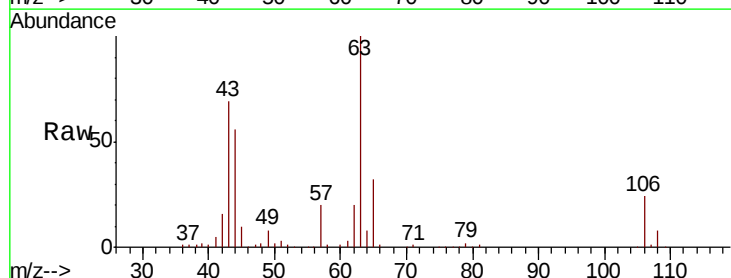
Acq: 29 Mar 2019 18:25

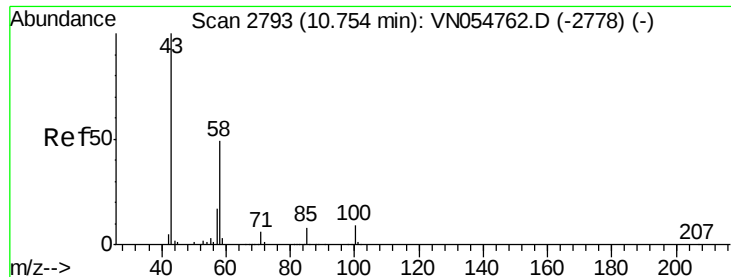
Tgt Ion: 63 Resp: 229234

Ion Ratio Lower Upper

63 100

106 24.0 24.4 36.6#





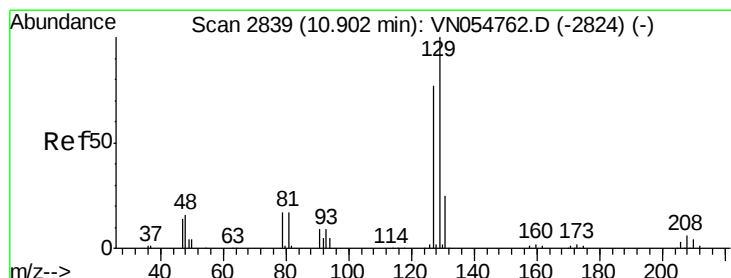
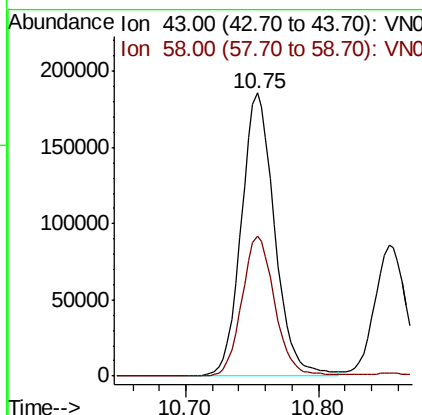
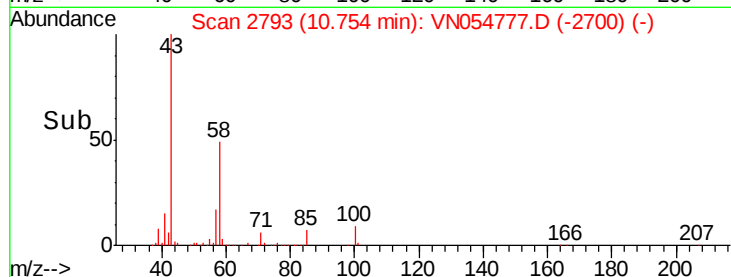
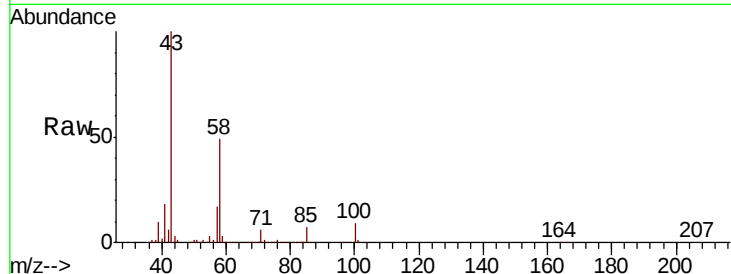
#59
2-Hexanone
Concen: 111.655 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion: 43 Resp: 321367
Ion Ratio Lower Upper
43 100
58 49.2 28.0 83.9

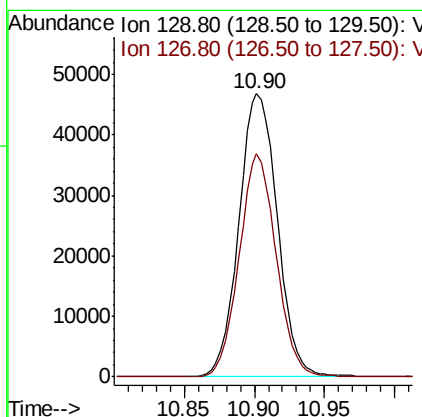
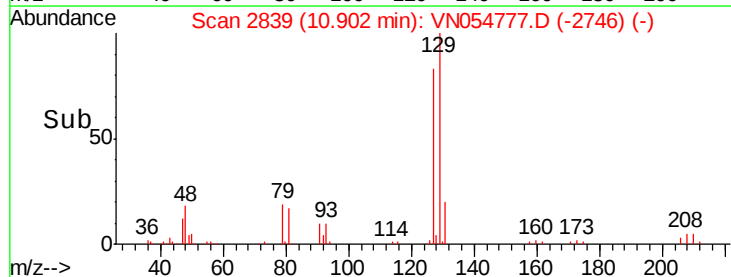
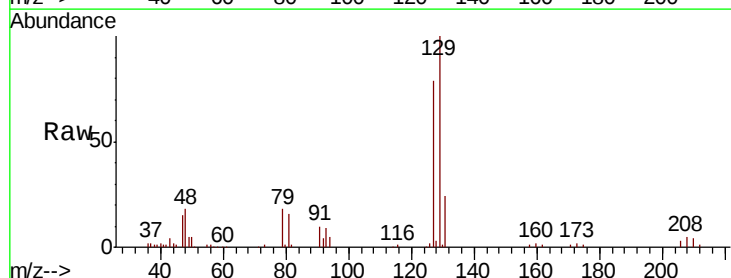
Manual Integrations
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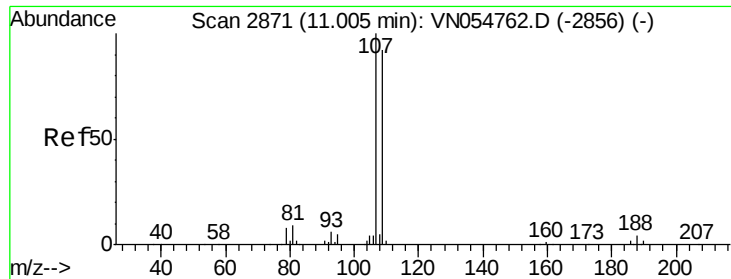
MMDadoda
4/1/2019 3:59:08 PM



#60
Dibromochloromethane
Concen: 20.776 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion: 129 Resp: 89424
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8





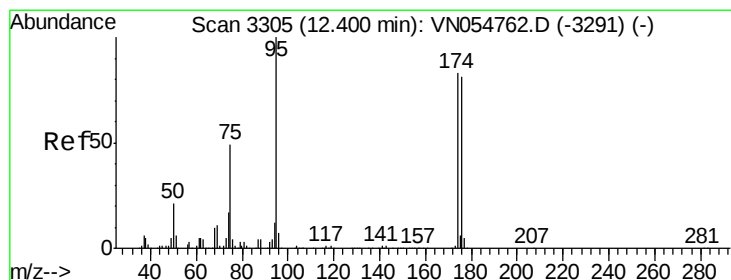
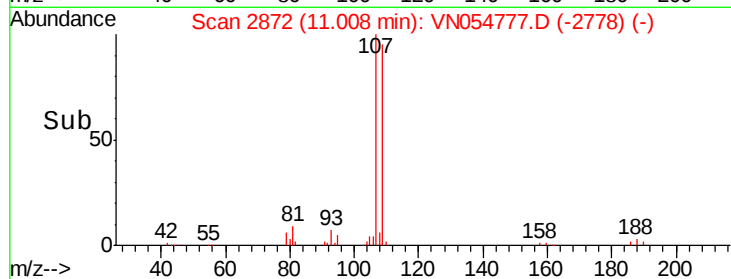
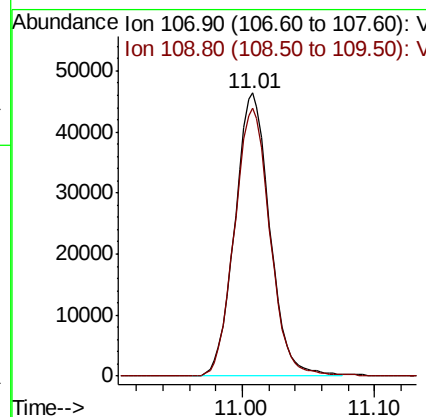
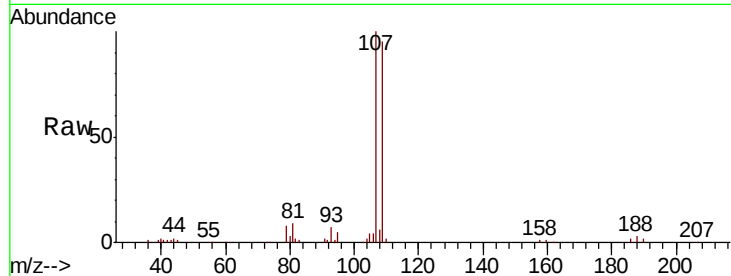
#61
 1,2-Dibromoethane
 Concen: 20.892 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0329MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.9	113.9

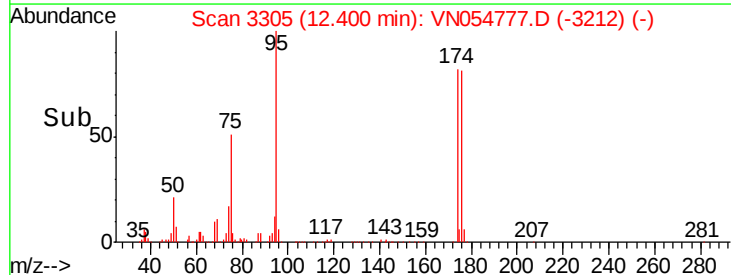
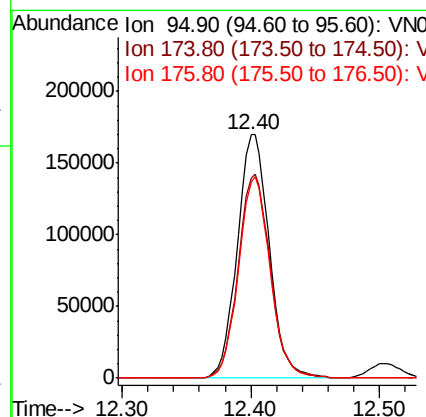
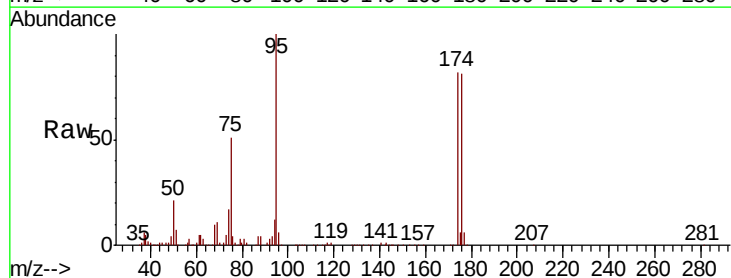
Manual Integrations
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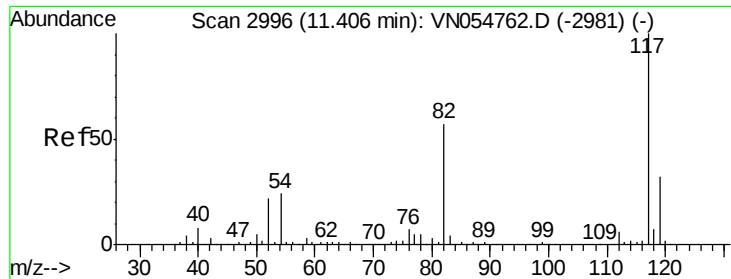
MMDadoda
 4/1/2019 3:59:08 PM



#62
 4-Bromofluorobenzene
 Concen: 49.401 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	191.0
176	81.6	0.0	187.4





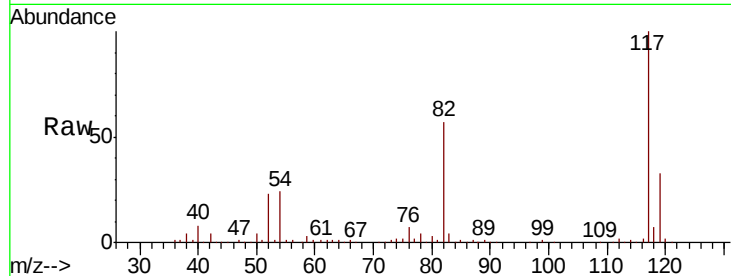
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	40.0	60.0
119	32.5	25.8	38.6

Manual Integrations
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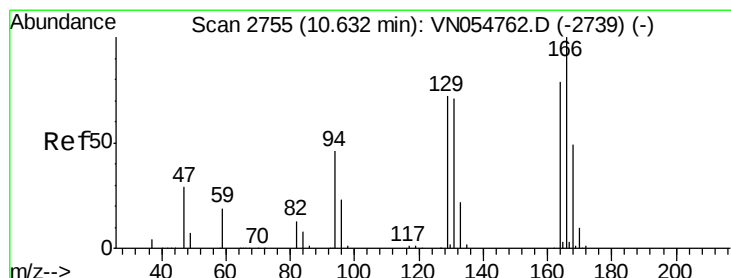
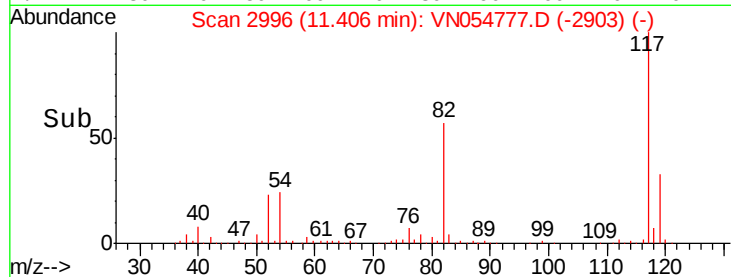
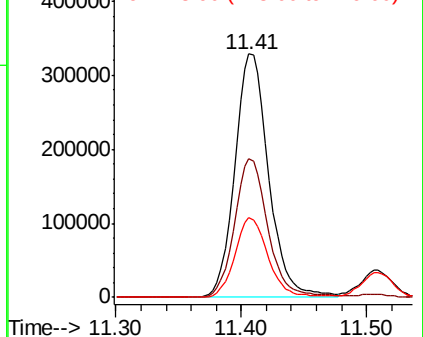


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.883 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	103.9	155.9
129	92.9	71.1	106.7
131	90.9	68.2	102.4

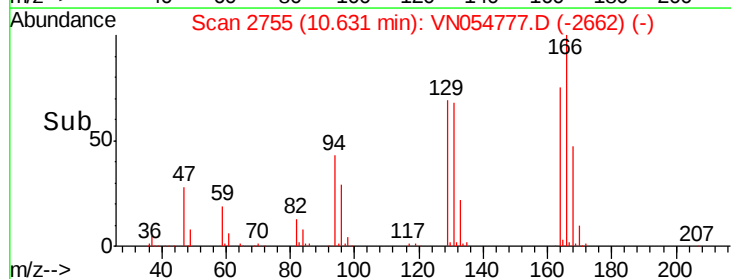
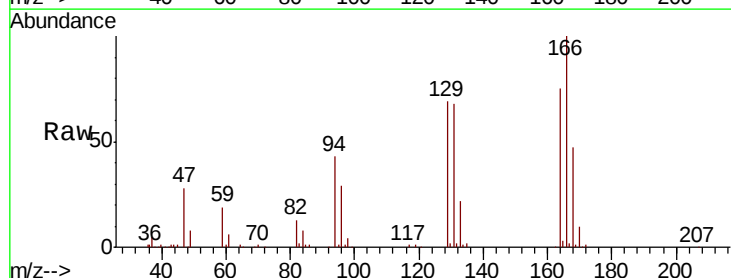
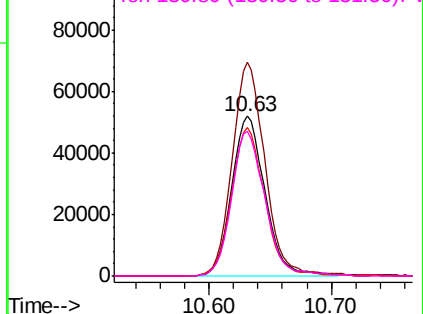
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





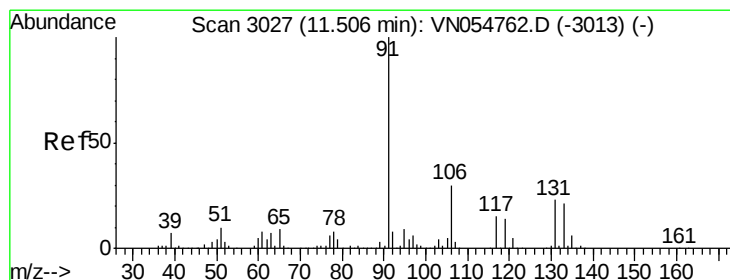
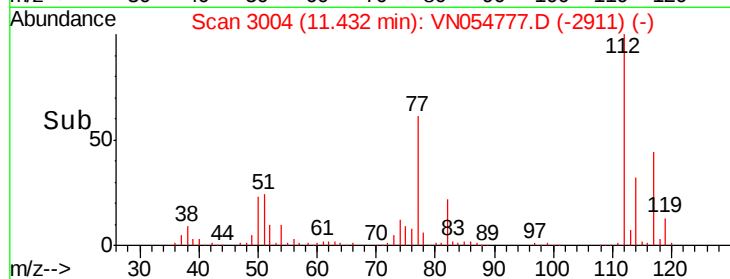
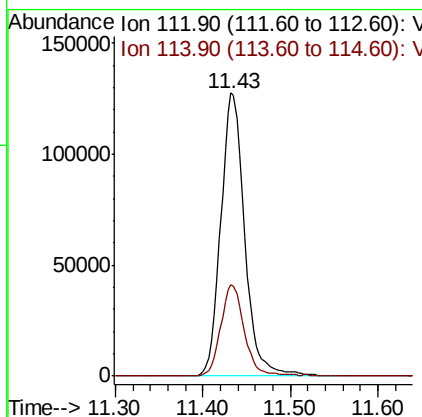
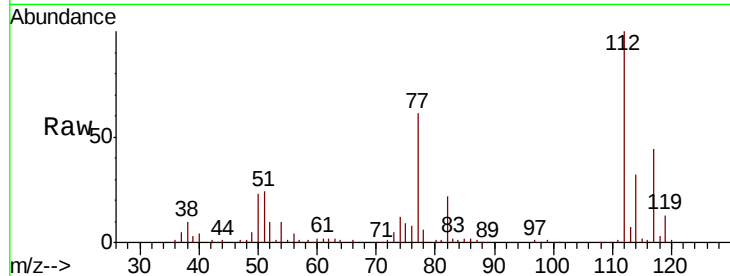
#65
Chlorobenzene
Concen: 20.074 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampled :
VN0329MBS01

Tot Ion:112 Resp: 241726
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

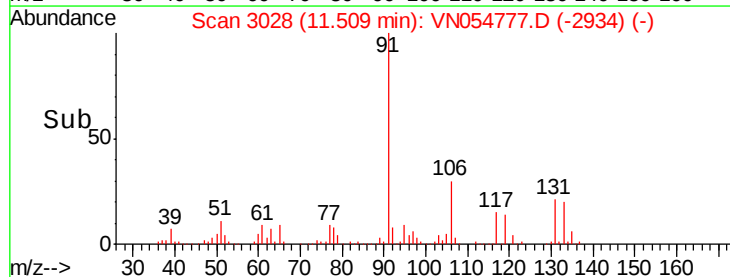
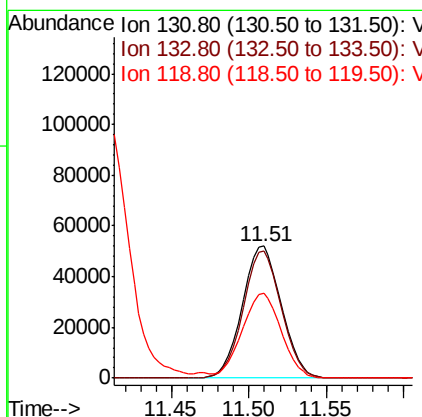
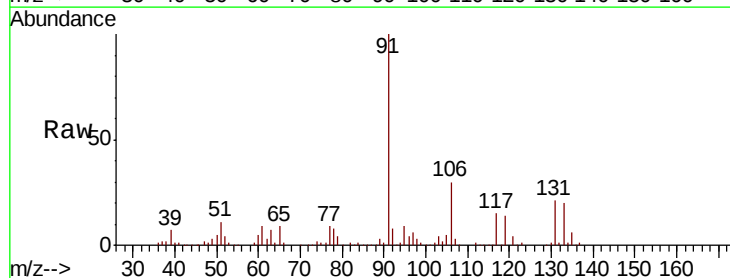
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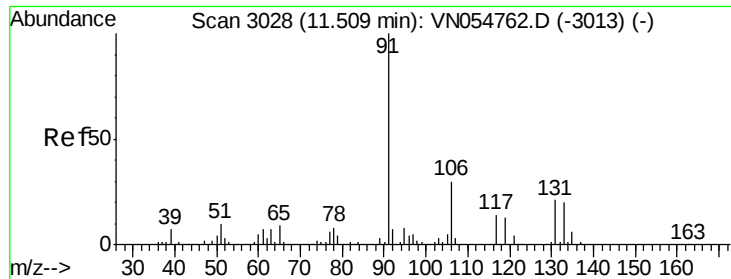
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.299 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion:131 Resp: 91490
Ion Ratio Lower Upper
131 100
133 94.0 47.6 142.9
119 64.6 32.4 97.0





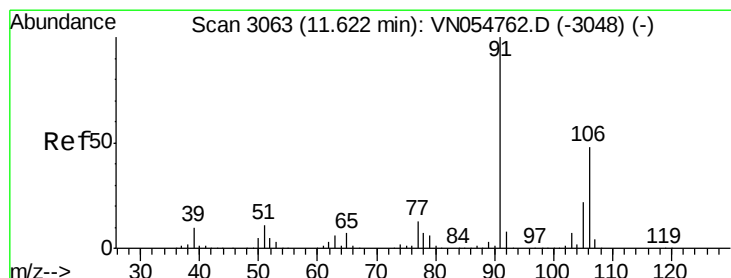
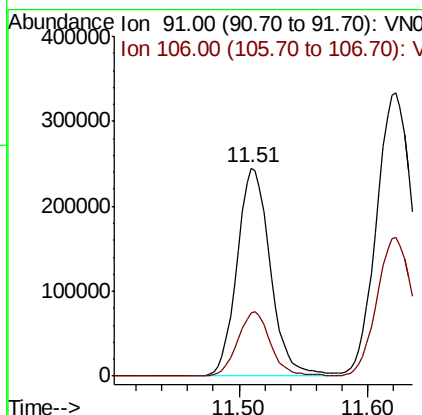
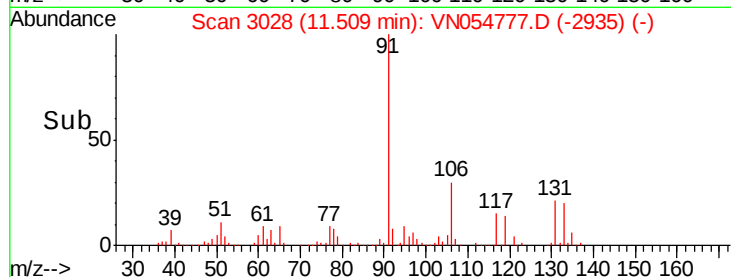
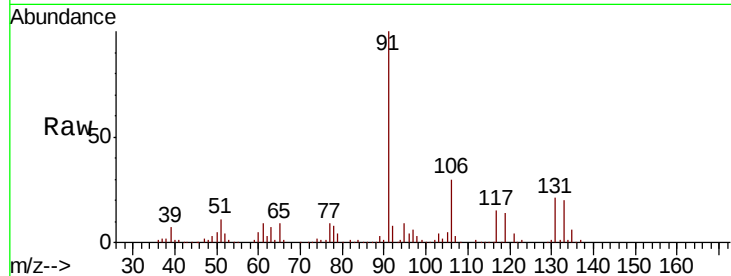
#67
Ethyl Benzene
Concen: 20.291 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion: 91 Resp: 440917
Ion Ratio Lower Upper
91 100
106 30.1 25.5 38.3

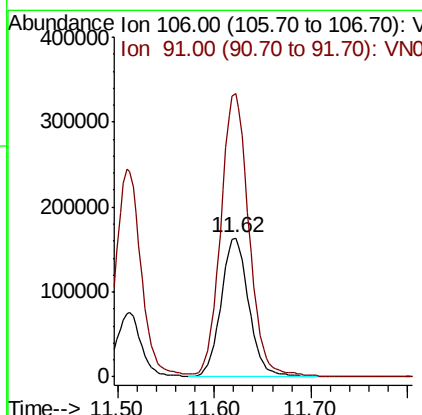
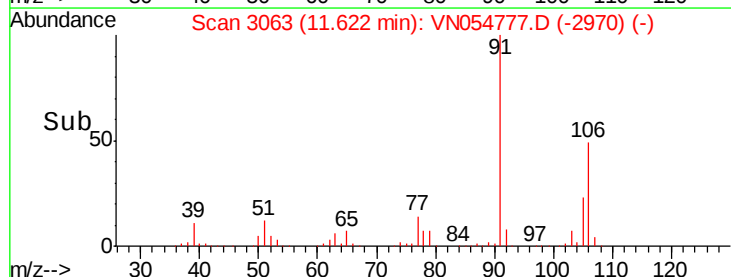
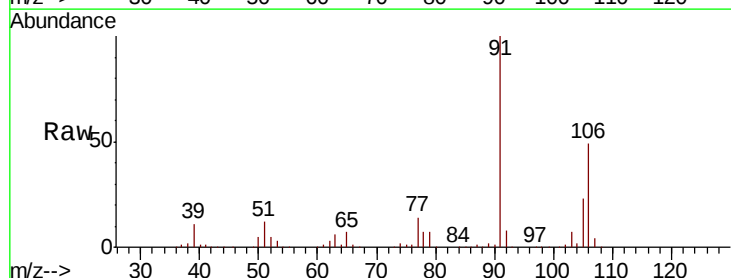
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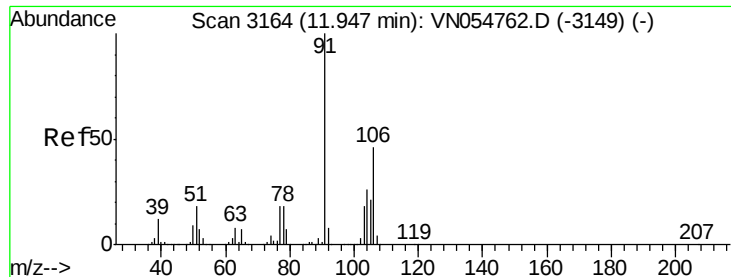
MMDadoda
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#68
m/p-Xylenes
Concen: 40.678 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion: 106 Resp: 327105
Ion Ratio Lower Upper
106 100
91 206.7 159.4 239.2





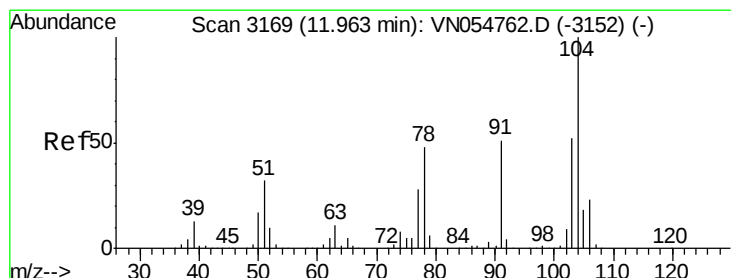
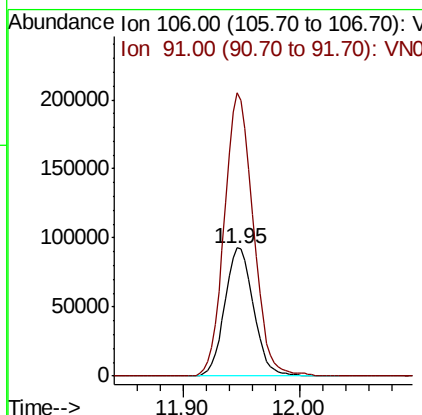
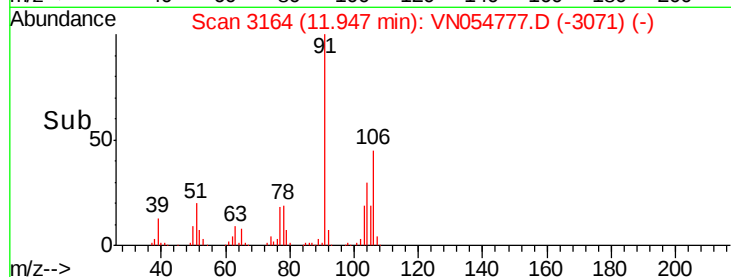
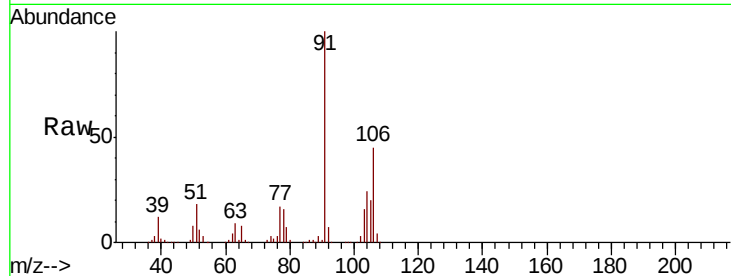
#69
o-Xylene
Concen: 20.260 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion:106 Resp: 159760
Ion Ratio Lower Upper
106 100
91 220.3 105.7 317.1

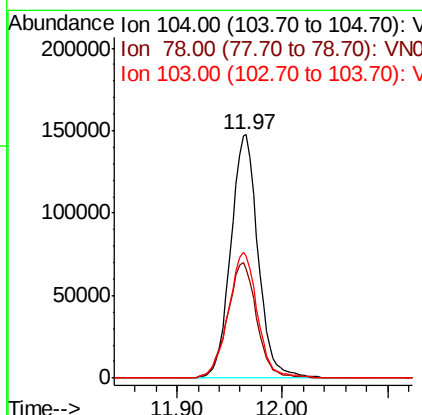
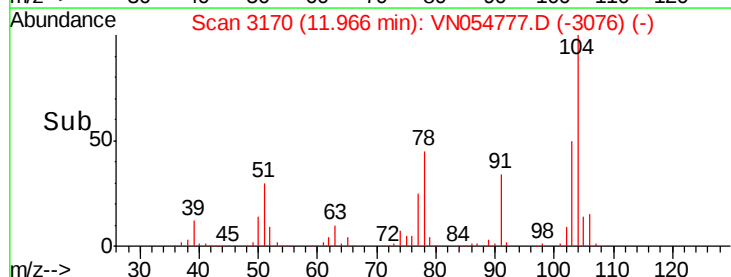
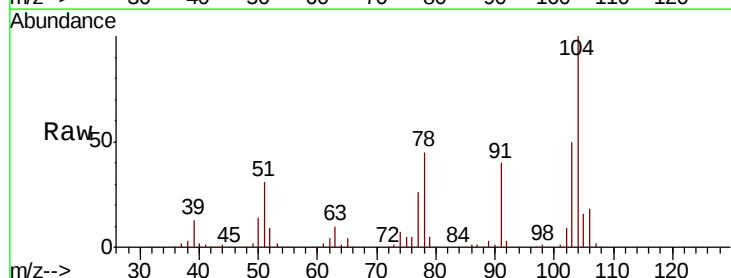
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#70
Styrene
Concen: 20.974 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion:104 Resp: 264436
Ion Ratio Lower Upper
104 100
78 51.1 38.2 57.2
103 55.1 44.4 66.6





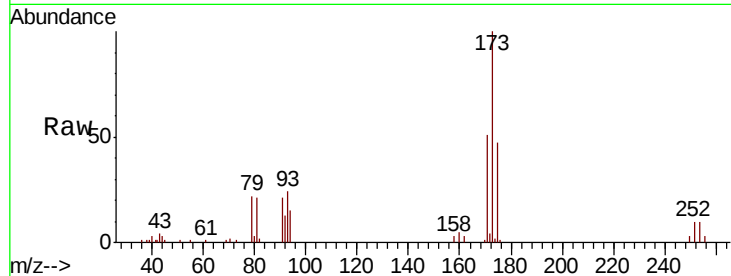
#71
Bromoform
Concen: 20.040 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.0	0.1	0.1#

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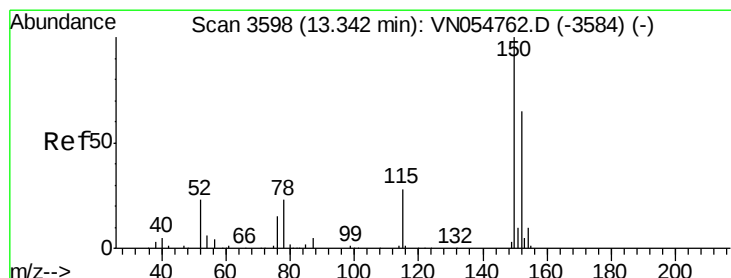
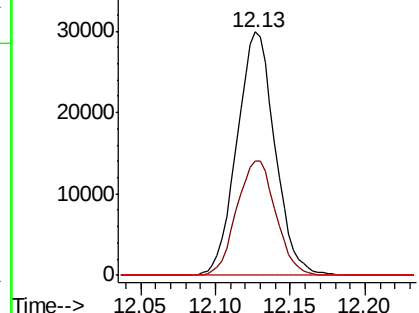
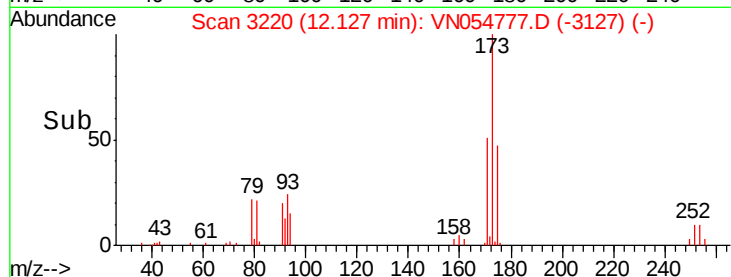


Abundance

Ion 172.70 (172.40 to 173.40): V

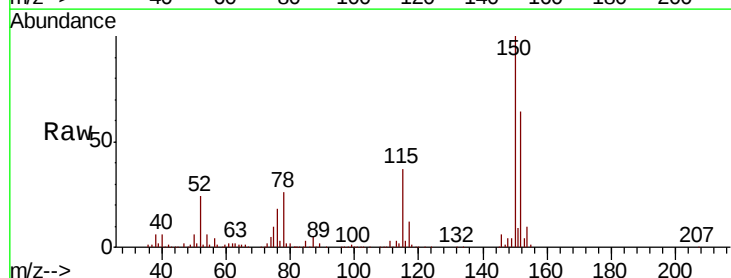
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.2	81.6
150	162.6	0.0	349.2

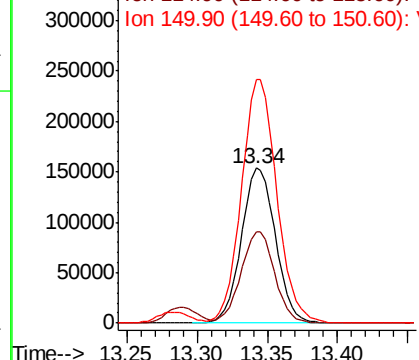
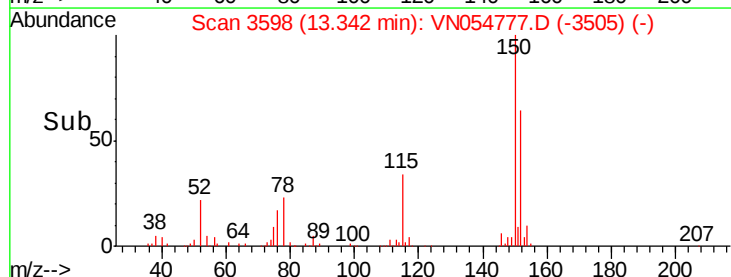


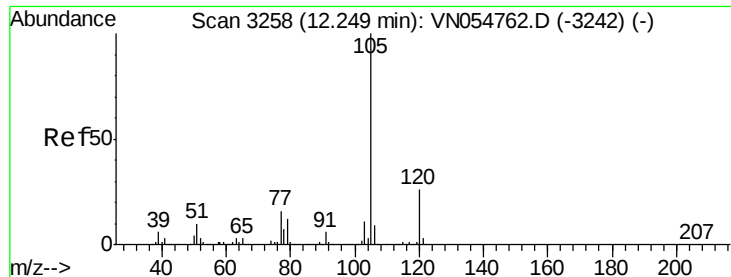
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.771 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion:105 Resp: 421597

Ion Ratio Lower Upper

105 100

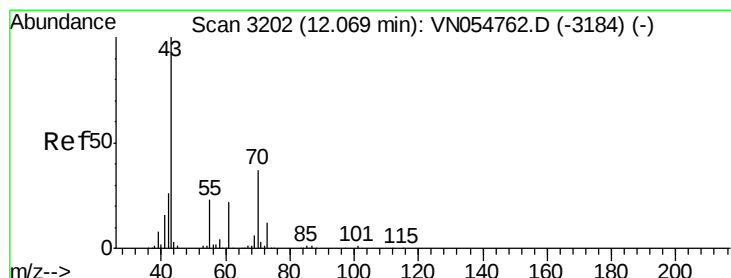
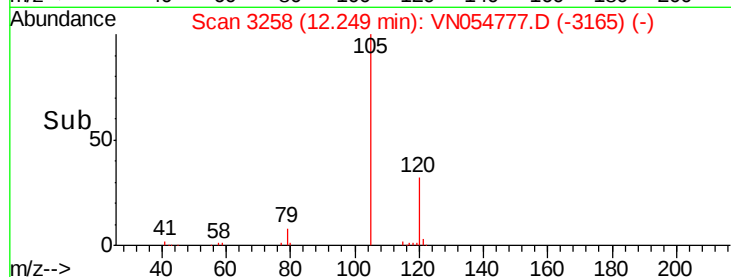
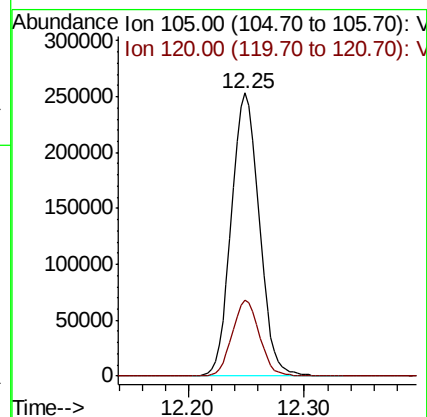
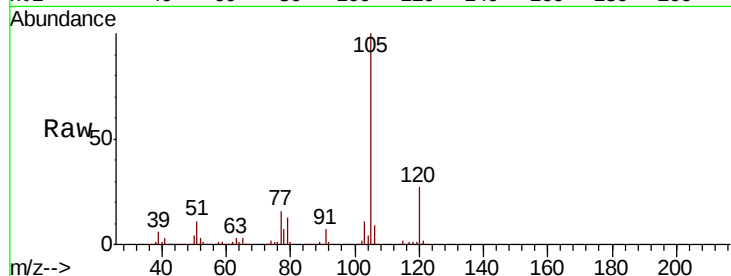
120 26.1 13.8 41.3

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#74

N-ethyl acetate

Concen: 20.847 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion: 43 Resp: 138496

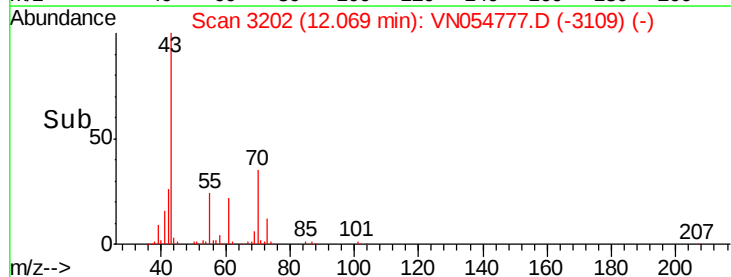
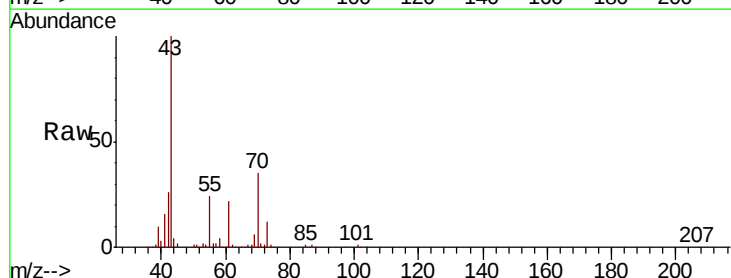
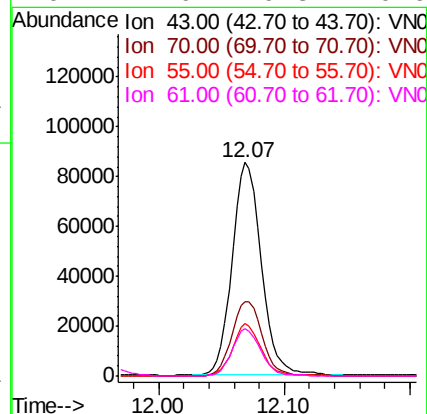
Ion Ratio Lower Upper

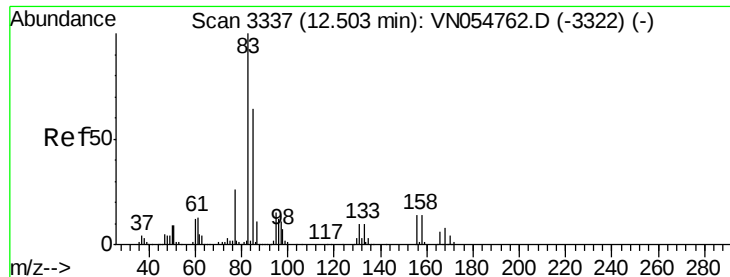
43 100

70 36.1 35.4 53.0

55 24.0 19.8 29.6

61 21.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.648 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

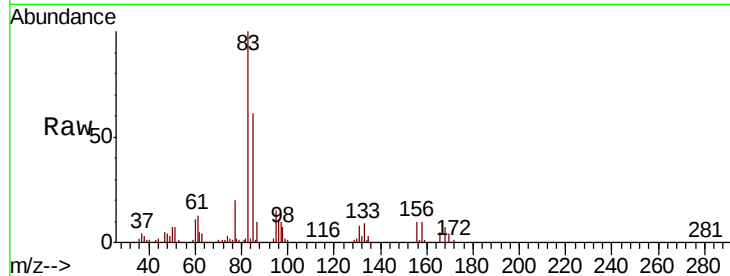
ClientSampleId :

VN0329MBS01

Tot Ion:	83	Resp:	110868
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.8	17.4
85	63.2	32.2	96.6

Manual Integrations
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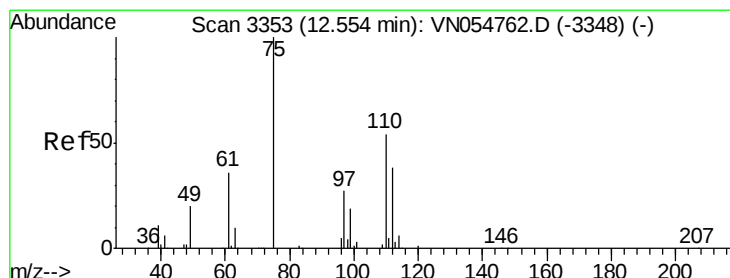
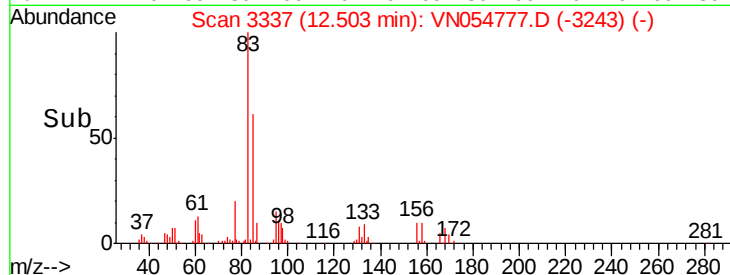
Abundance Ion 82.90 (82.60 to 83.60): VN054777.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054777.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054777.D (-3243) (-)

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.670 ug/l m

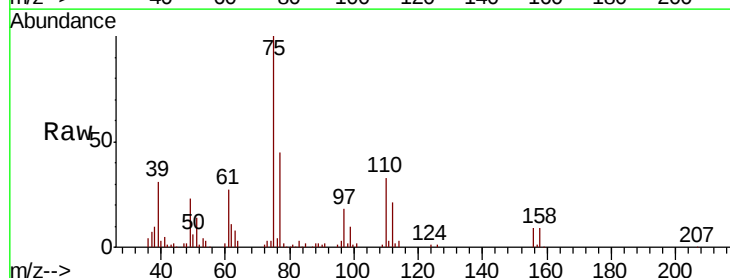
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion:	75	Resp:	93683
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

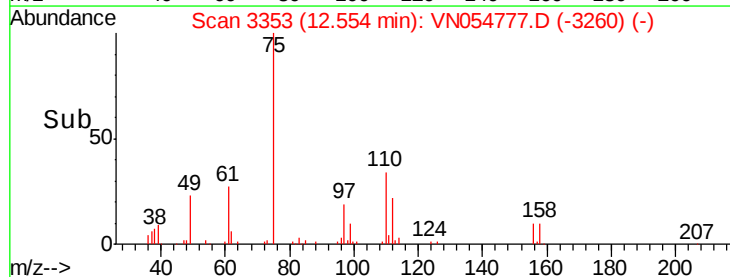


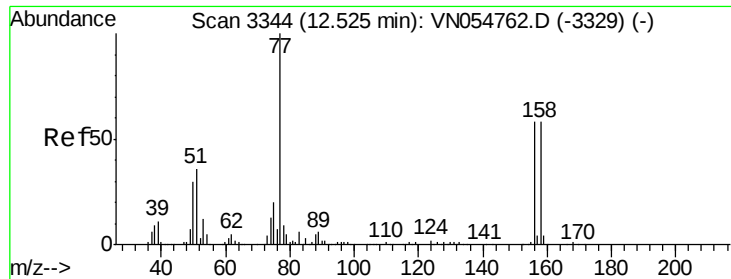
Abundance Ion 74.90 (74.60 to 75.60): VN054777.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054777.D (-3260) (-)

12.55

Time-->





#77

Bromobenzene

Concen: 20.062 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

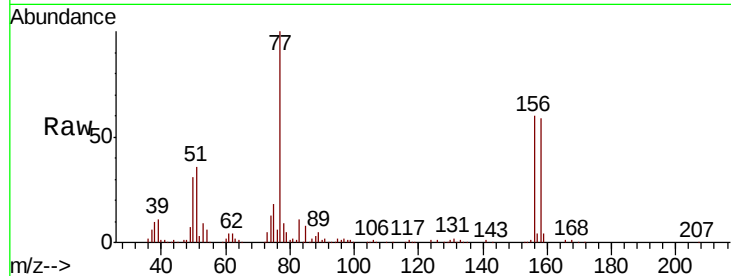
ClientSampled :

VN0329MBS01

Tot Ion:	156	Resp:	103247
Ion Ratio	Lower	Upper	
156	100		
77	196.5	81.5	244.4
158	100.1	49.0	147.2

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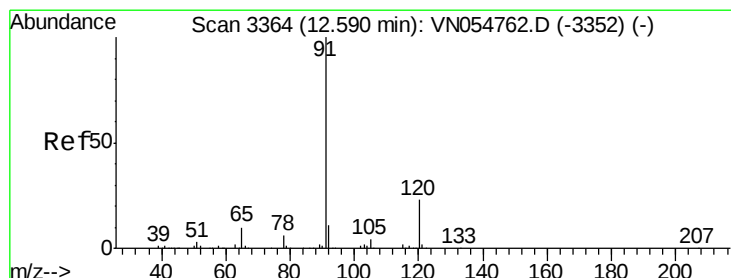
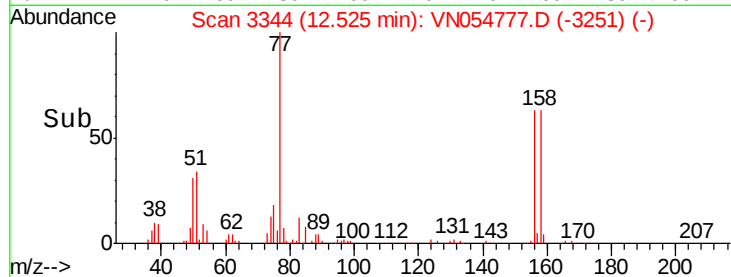
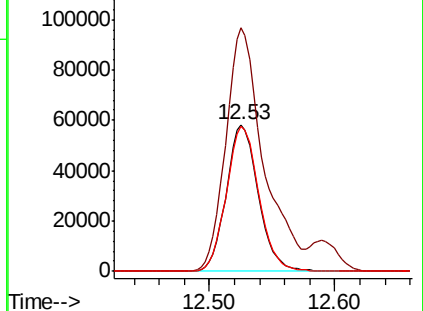
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.988 ug/l

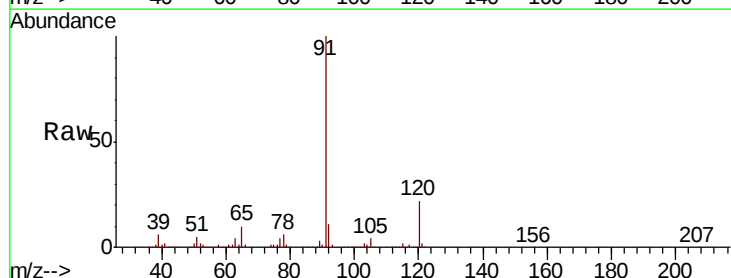
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054777.D

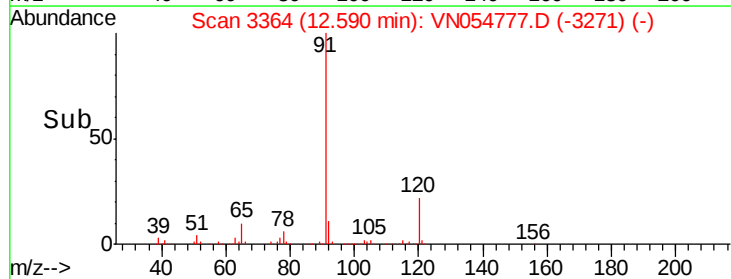
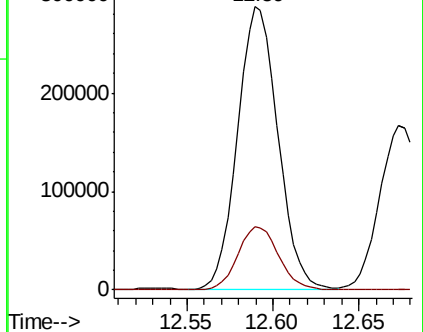
Acq: 29 Mar 2019 18:25

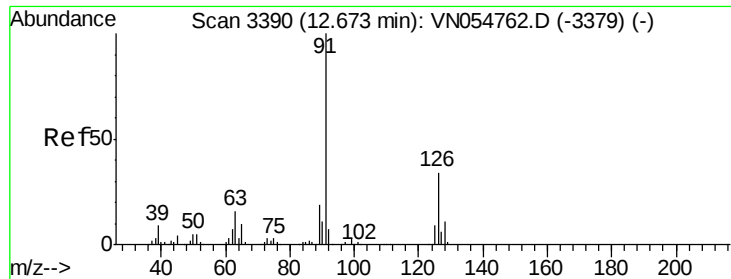
Tgt Ion:	91	Resp:	468463
Ion Ratio	Lower	Upper	
91	100		
120	22.7	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.933 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VN0329MBS01

Tot Ion: 91 Resp: 289031

Ion Ratio Lower Upper

91 100

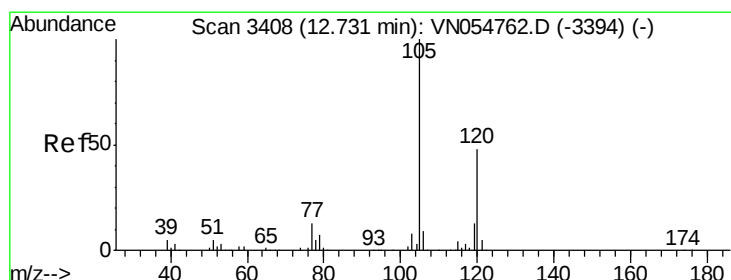
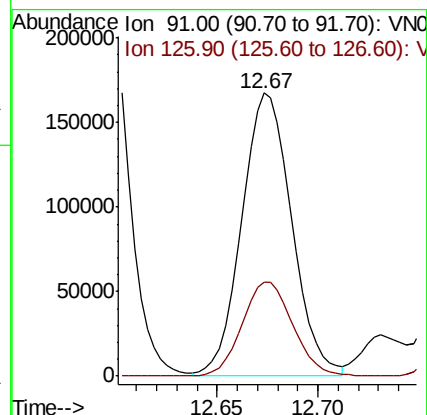
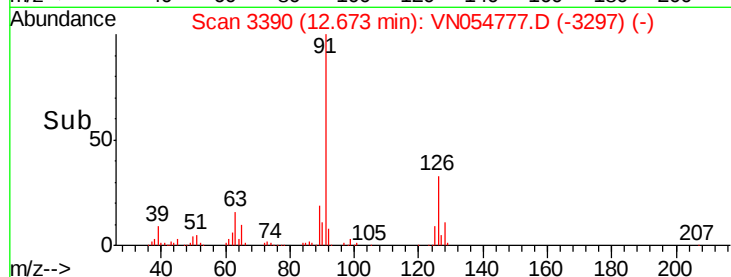
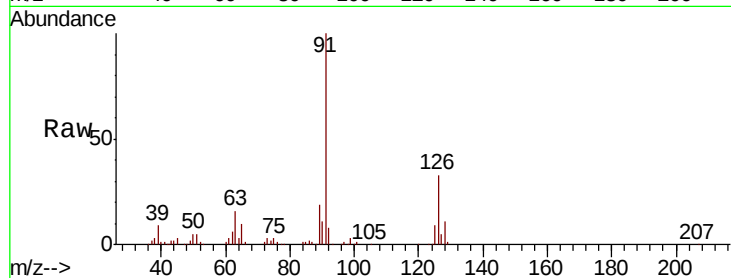
126 34.1 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.022 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054777.D

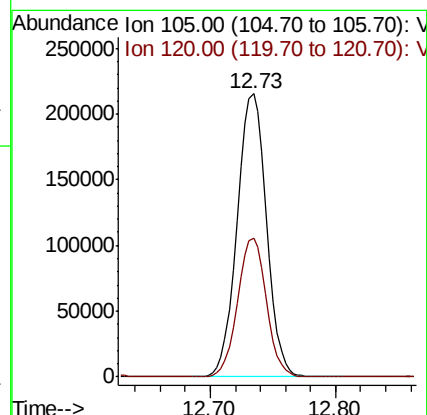
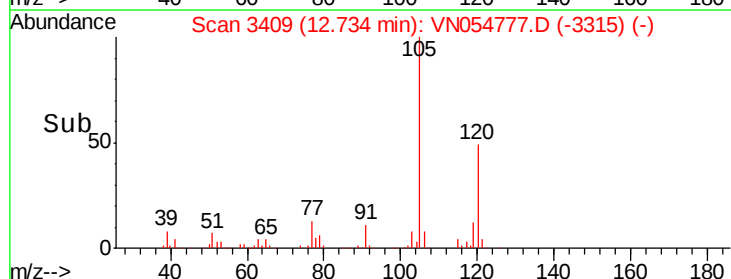
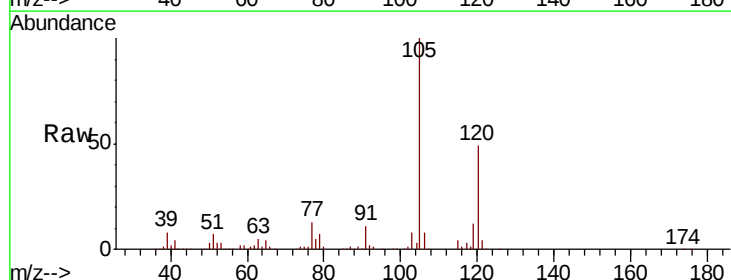
Acq: 29 Mar 2019 18:25

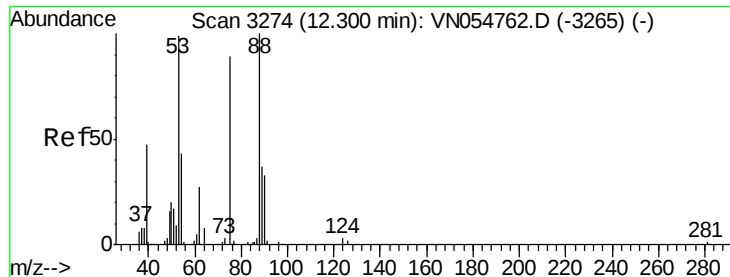
Tgt Ion: 105 Resp: 350327

Ion Ratio Lower Upper

105 100

120 48.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.660 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

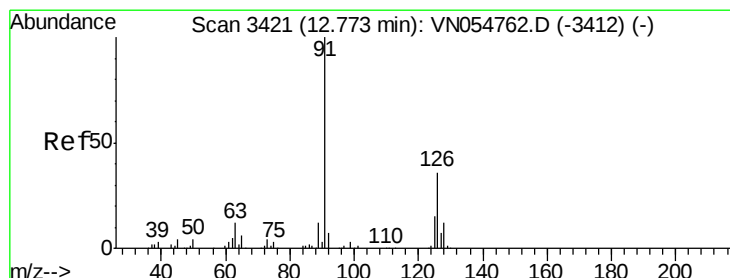
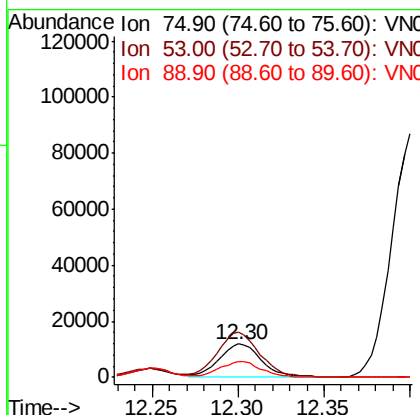
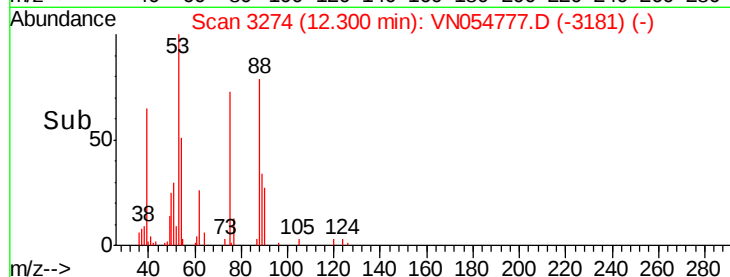
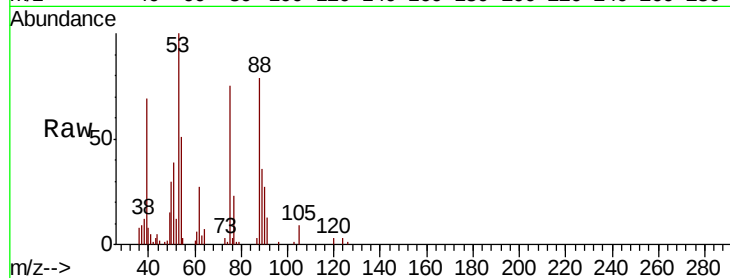
ClientSampleId :

VN0329MBS01

Tot Ion:	75	Resp:	20577
Ion	Ratio	Lower	Upper
75	100		
53	132.3	76.2	114.2#
89	47.4	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.968 ug/l

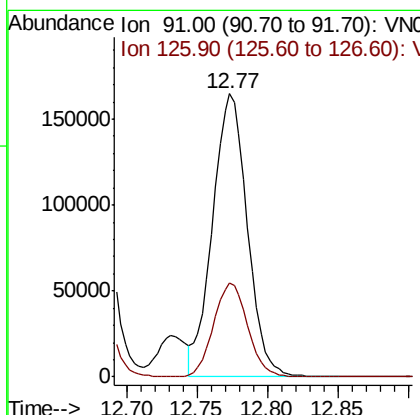
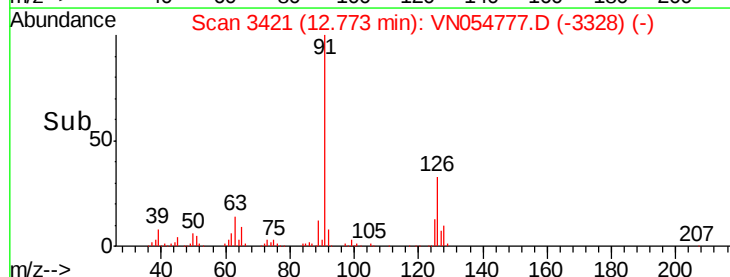
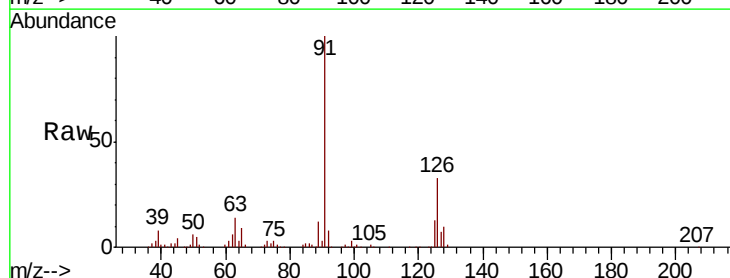
RT: 12.77 min Scan# 3421

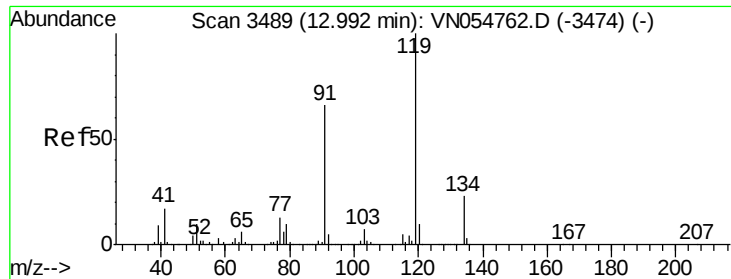
Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion:	91	Resp:	281231
Ion	Ratio	Lower	Upper
91	100		
126	32.8	18.1	54.1





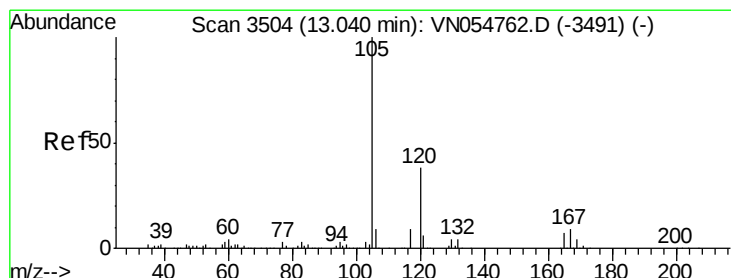
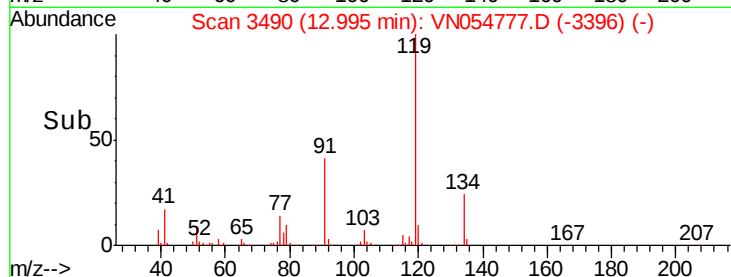
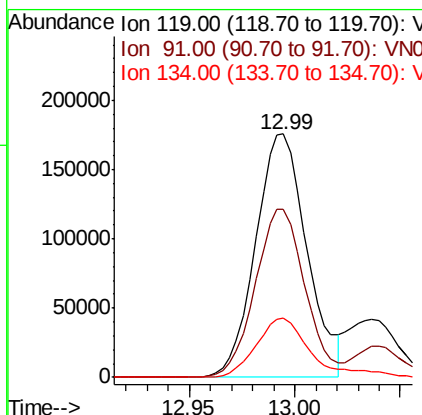
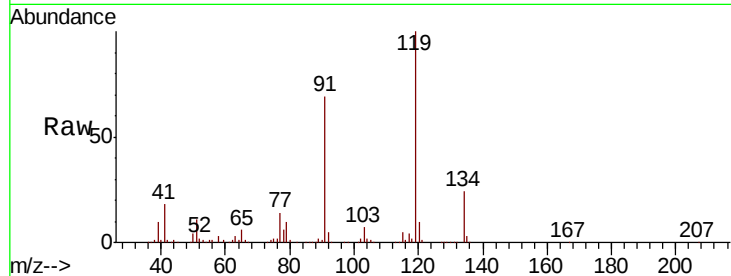
#83
tert-Butylbenzene
Concen: 20.755 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	297922		
91	66.7	30.9	92.8	
134	26.1	13.2	39.6	

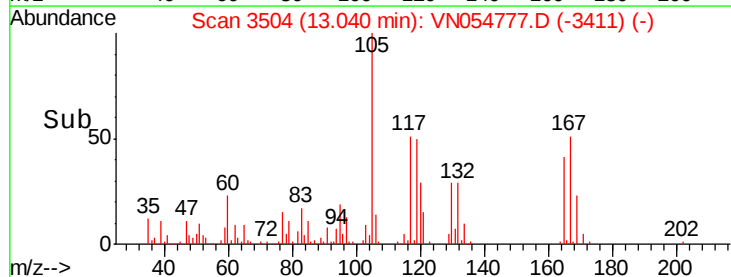
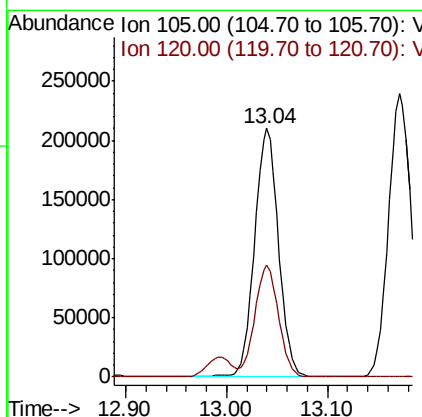
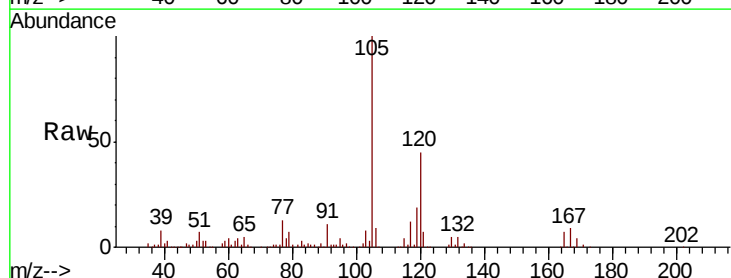
Manual Integrations
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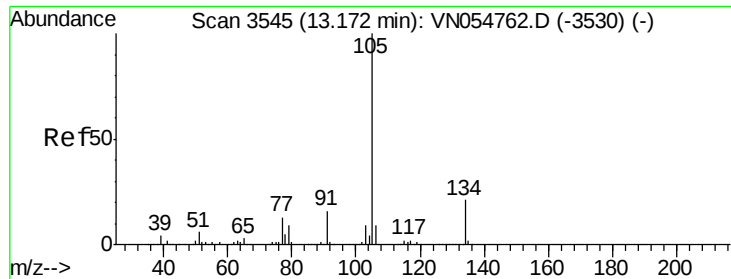
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.560 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342722		
120	44.7	23.4	70.3	





#85

sec-Butylbenzene

Concen: 19.782 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

ClientSampled :

VN0329MBS01

Tot Ion:105 Resp: 376011

Ion Ratio Lower Upper

105 100

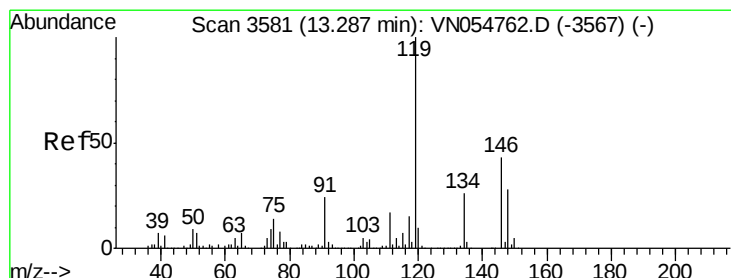
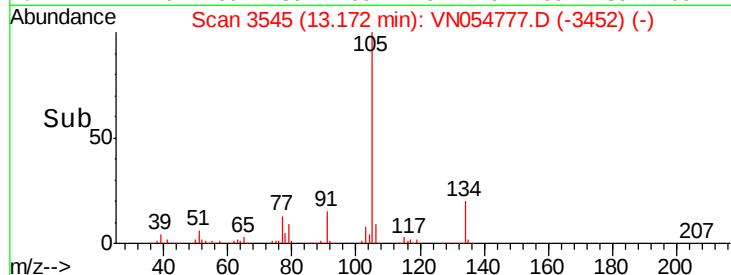
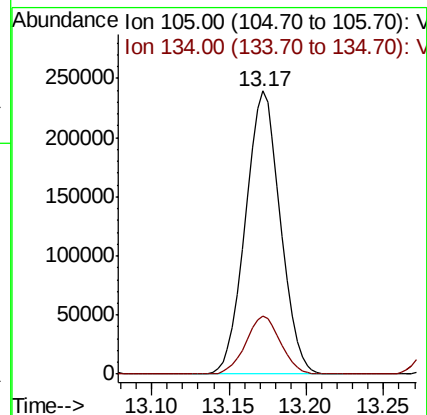
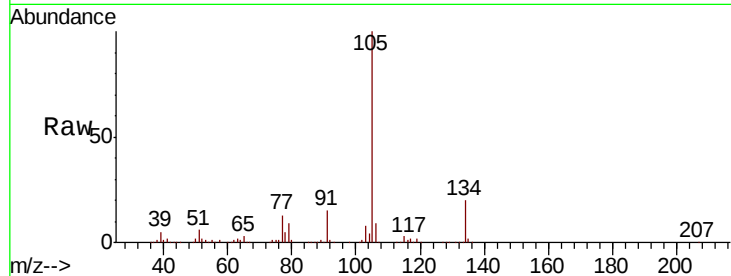
134 20.4 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.595 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

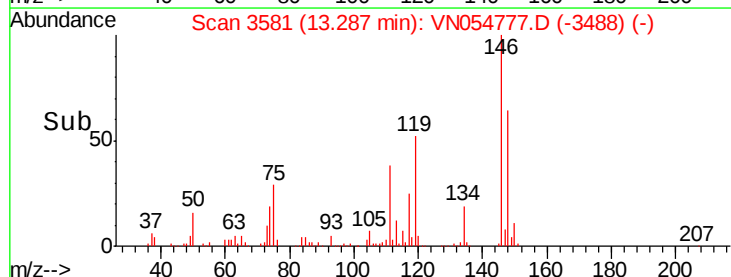
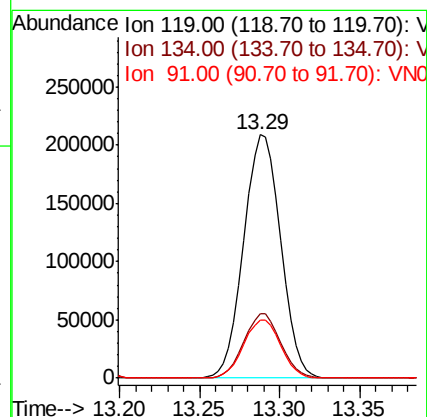
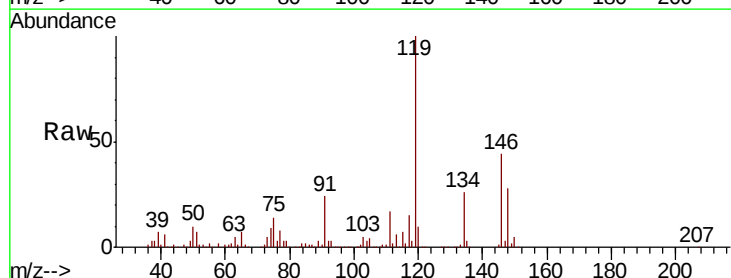
Tgt Ion:119 Resp: 328501

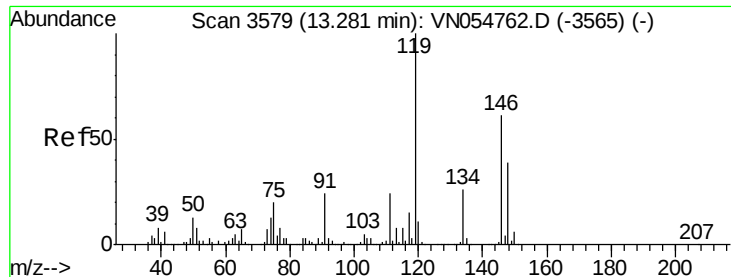
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 24.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.548 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

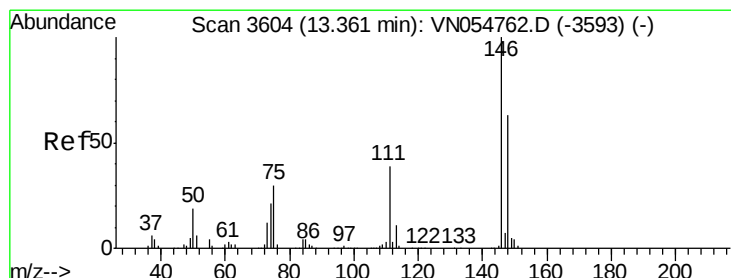
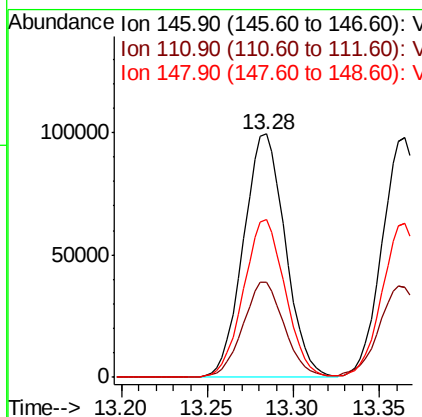
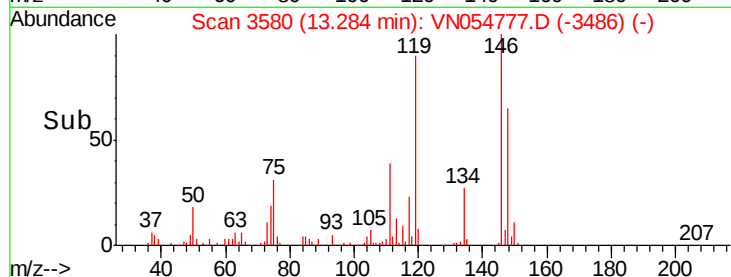
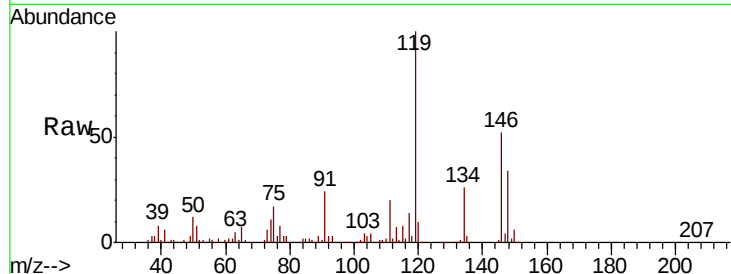
ClientSampled :

VN0329MBS01

Tot Ion:	146	Resp:	168438
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.8	56.3
148	64.3	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.543 ug/l

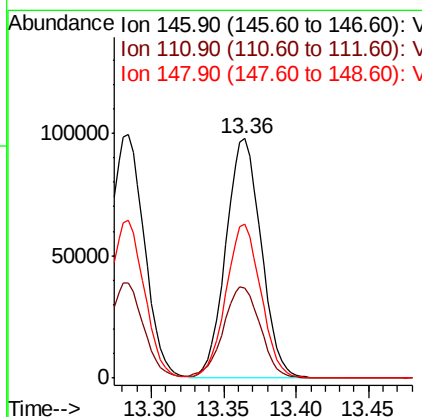
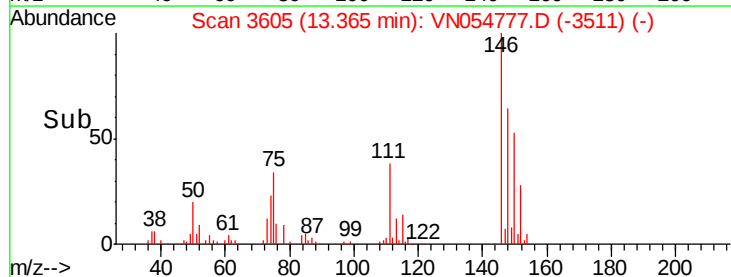
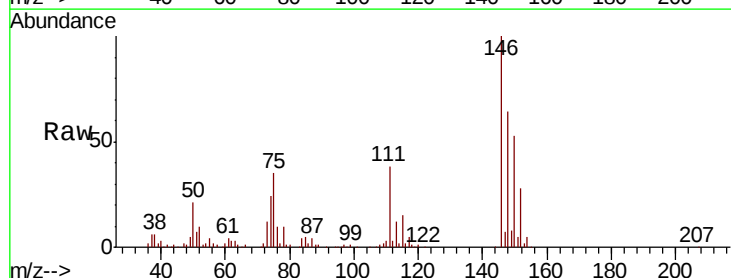
RT: 13.36 min Scan# 3605

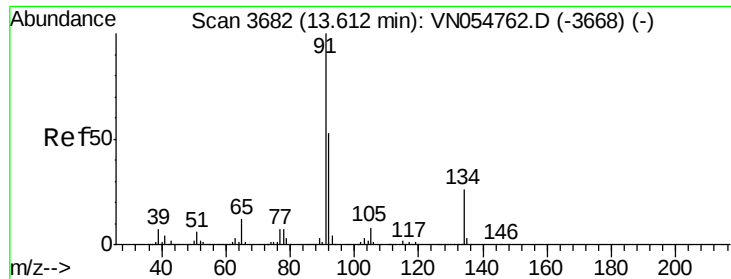
Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion:	146	Resp:	165161
Ion Ratio	Lower	Upper	
146	100		
111	40.0	18.1	54.1
148	63.7	32.0	96.0





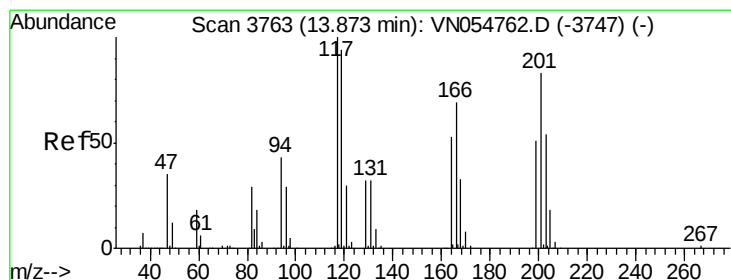
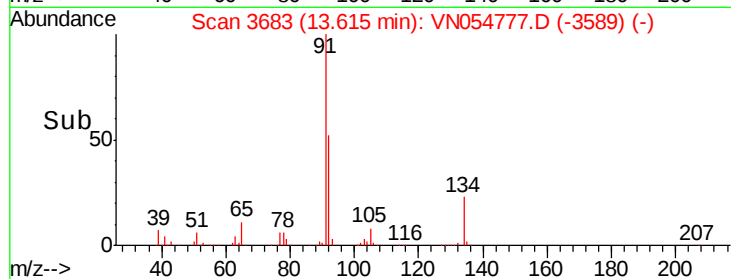
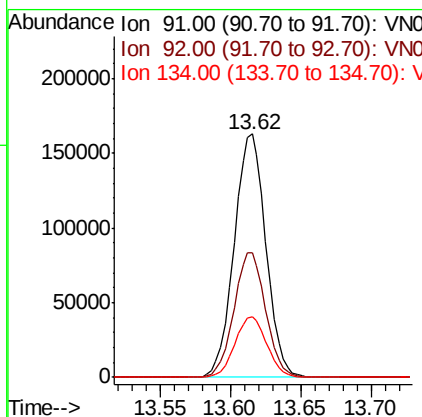
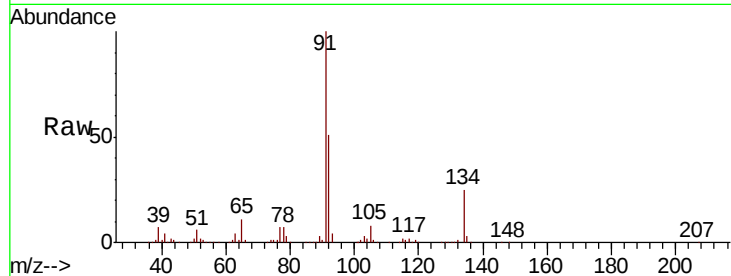
#89
n-Butylbenzene
Concen: 18.716 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VN0329MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.2	78.6
134	24.9	14.3	42.9

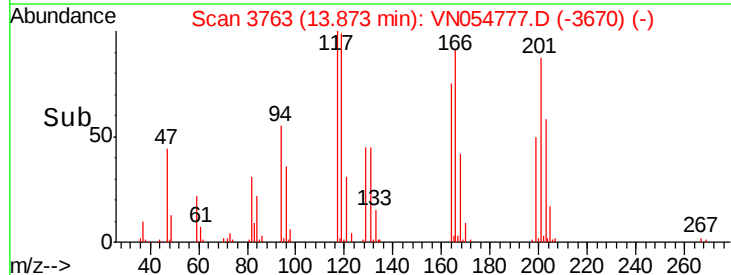
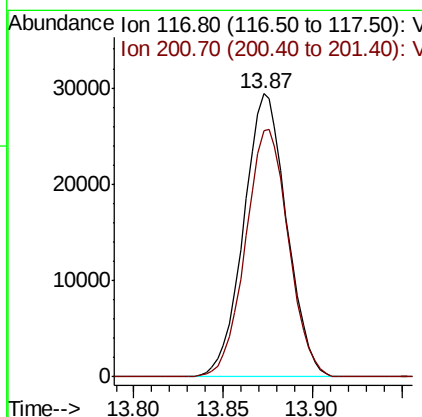
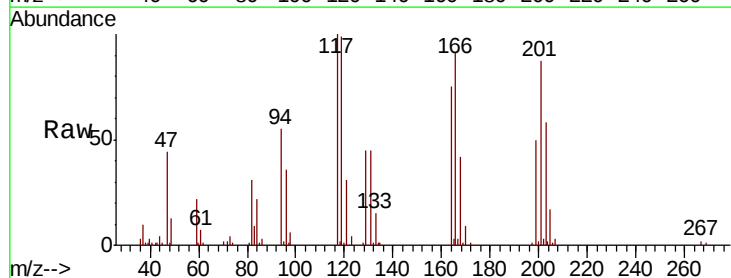
Manual Integrations
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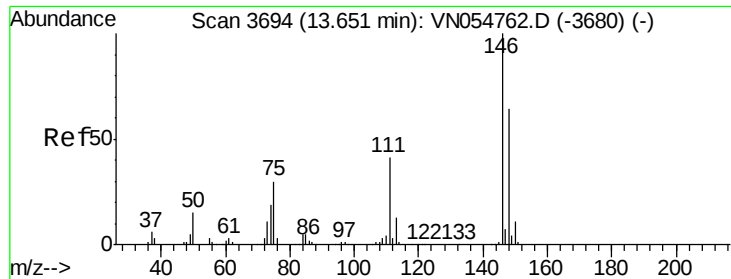
MMDadoda
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#90
Hexachloroethane
Concen: 17.456 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054777.D
Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	48.1	144.4





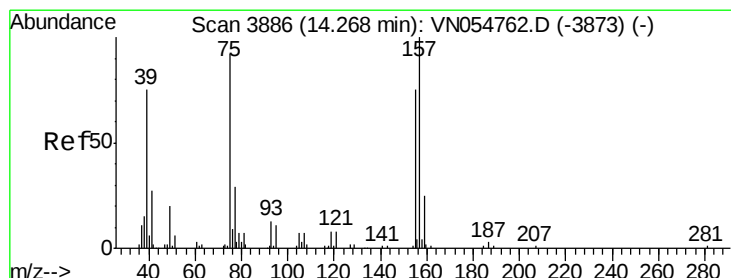
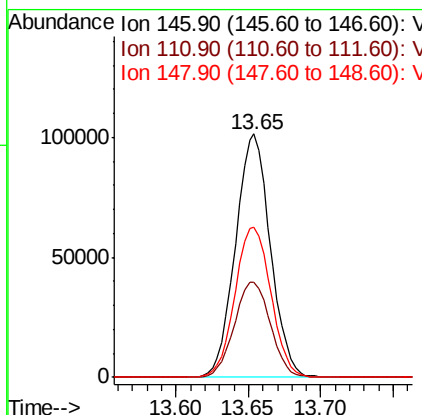
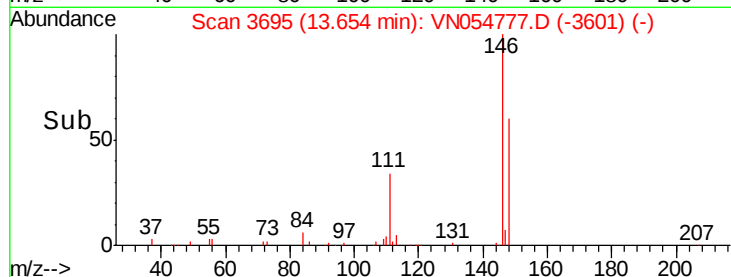
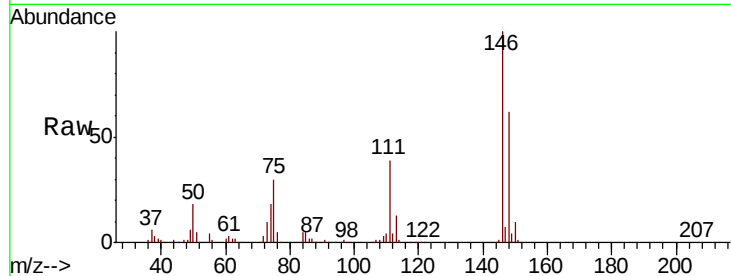
#91
 1,2-Dichlorobenzene
 Concen: 19.493 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.3
148	63.6	32.4	97.0

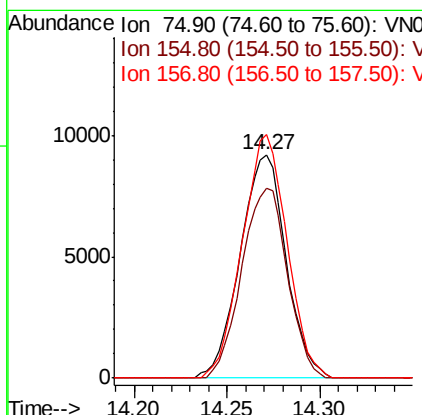
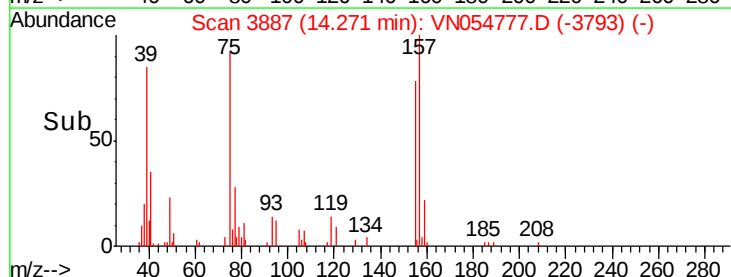
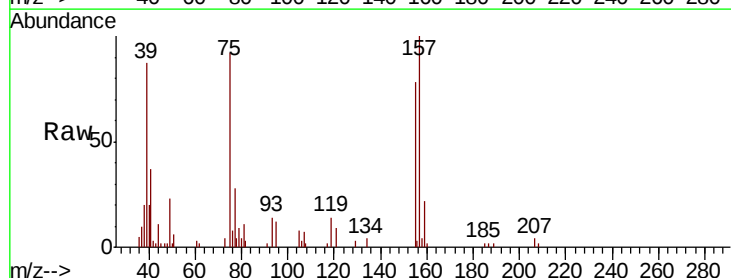
Manual Integrations
 APPROVED

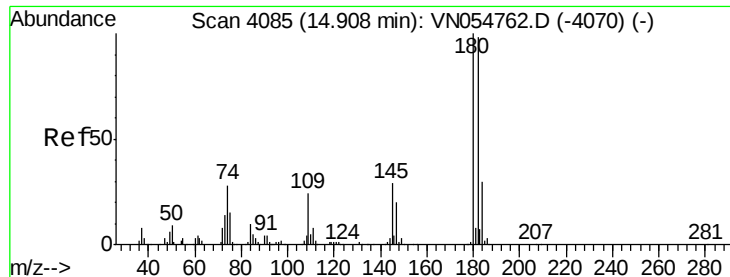
MMDadoda
 4/1/2019 3:59:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.786 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054777.D
 Acq: 29 Mar 2019 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	50.1	150.3
157	106.4	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 17.627 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

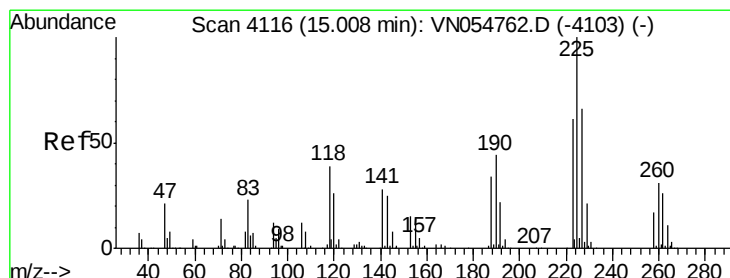
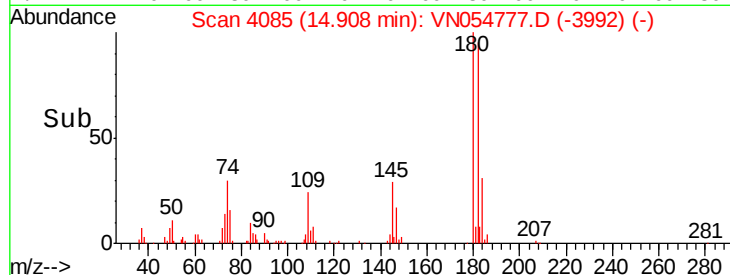
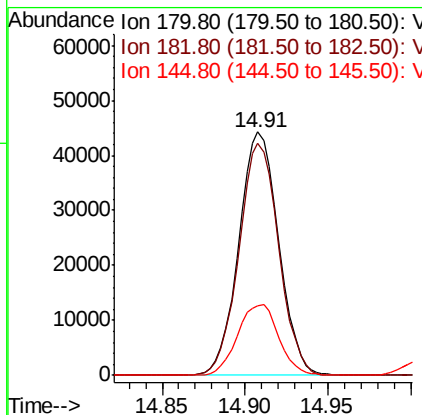
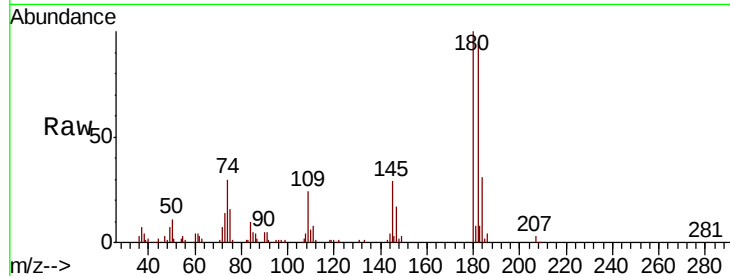
ClientSampleId :

VN0329MBS01

Tot Ion:	180	Resp:	73899
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.0	144.2
145	29.8	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 18.992 ug/l

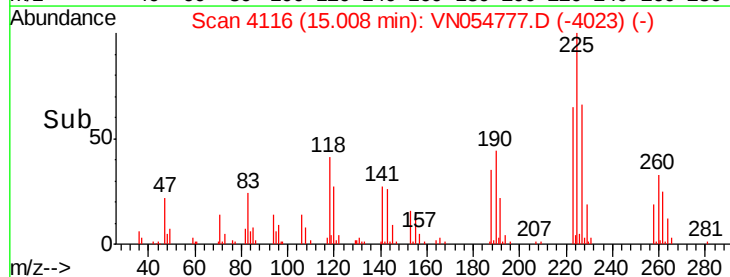
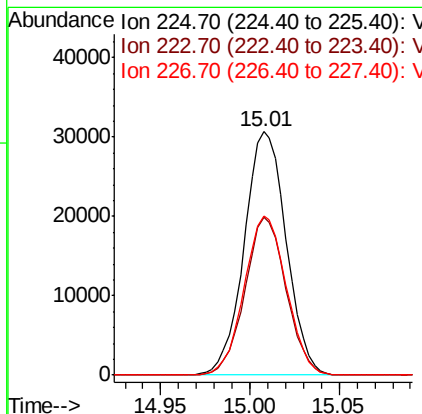
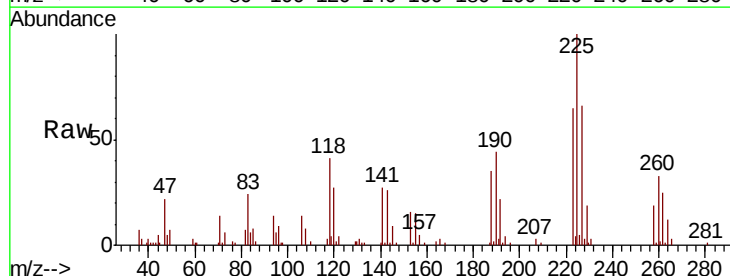
RT: 15.01 min Scan# 4116

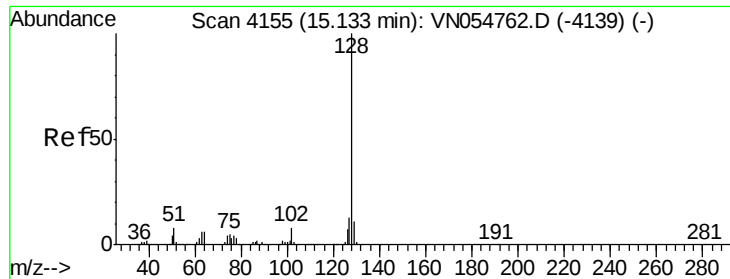
Delta R.T. 0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion:	225	Resp:	50393
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.1	93.5
227	65.5	31.9	95.9





#95

Naphthalene

Concen: 18.745 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Instrument :

MSVOA_N

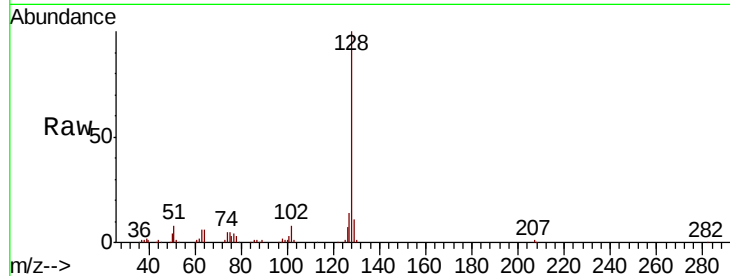
ClientSampleId :

VN0329MBS01

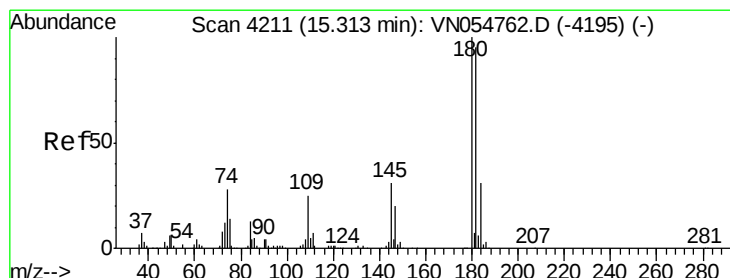
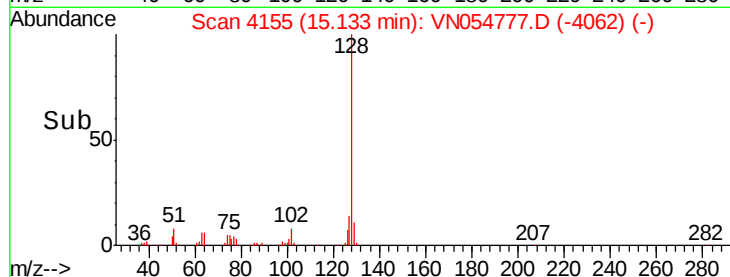
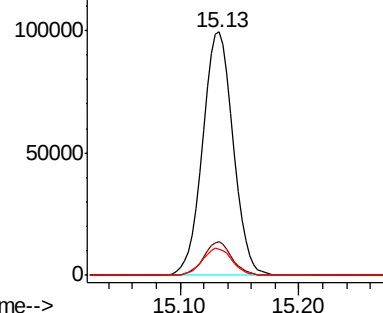
Tot Ion:	128	Resp:	176258
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.9	8.7	13.1

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



#96

1,2,3-Trichlorobenzene

Concen: 18.513 ug/l

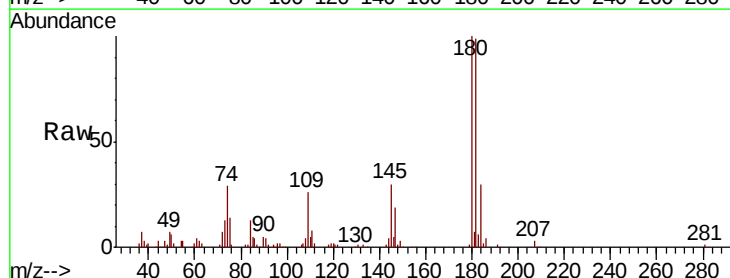
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054777.D

Acq: 29 Mar 2019 18:25

Tgt Ion:	180	Resp:	78383
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.5	142.6
145	31.3	14.8	44.3



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

