

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057775.D
 Acq On : 8 Sep 2019 00:17
 Operator : JC/SP
 Sample : VN0907WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:02:50 PM

Quant Time: Sep 08 07:25:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	203628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	318166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	300238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	169841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	240850	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	7.58	113	154808	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	10.09	98	580781	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.40	95	223033	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58104	17.968	ug/l	99
3) Chloromethane	2.03	50	56486	12.098	ug/l	94
4) Vinyl Chloride	2.16	62	51456	18.374	ug/l	100
5) Bromomethane	2.54	94	28462	22.130	ug/l	98
6) Chloroethane	2.68	64	30212	18.274	ug/l	90
7) Trichlorofluoromethane	3.00	101	77256	17.190	ug/l	96
8) Diethyl Ether	3.39	74	33082	18.422	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	54156	19.308	ug/l	95
10) Methyl Iodide	3.93	142	62575	22.517	ug/l	97
11) Tert butyl alcohol	4.77	59	49621	88.164	ug/l	99
12) 1,1-Dichloroethene	3.71	96	47016	18.630	ug/l	96
13) Acrolein	3.59	56	21828	81.550	ug/l	94
14) Allyl chloride	4.30	41	93907	16.284	ug/l	99
15) Acrylonitrile	4.96	53	142226	98.290	ug/l	96
16) Acetone	3.80	43	138771	91.032	ug/l	100
17) Carbon Disulfide	4.03	76	96016	16.793	ug/l	97
18) Methyl Acetate	4.30	43	79645	19.212	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	192945	18.211	ug/l	95
20) Methylene Chloride	4.53	84	59576	18.075	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	50160	18.889	ug/l	91
22) Diisopropyl ether	5.93	45	223573	18.327	ug/l	96
23) Vinyl Acetate	5.87	43	896642	90.806	ug/l	100
24) 1,1-Dichloroethane	5.83	63	114197	18.256	ug/l	100
25) 2-Butanone	6.82	43	210840	96.579	ug/l	98
26) 2,2-Dichloropropane	6.81	77	67717	12.977	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	63610	19.084	ug/l	91
28) Bromochloromethane	7.18	49	62261	19.023	ug/l	93
29) Tetrahydrofuran	7.20	42	136233	96.765	ug/l	99
30) Chloroform	7.36	83	120584	18.500	ug/l	98
31) Cyclohexane	7.64	56	95977	17.262	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	100436	18.499	ug/l	98
36) 1,1-Dichloropropene	7.78	75	81749	19.314	ug/l	97
37) Ethyl Acetate	6.91	43	87350	20.787	ug/l	99
38) Carbon Tetrachloride	7.76	117	81174	20.029	ug/l	96

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	85279	19.048	ug/l	98
40) Benzene	8.03	78	238987	19.962	ug/l	99
41) Methacrylonitrile	7.15	41	34142	16.622	ug/l #	87
42) 1,2-Dichloroethane	8.11	62	106631	19.001	ug/l	96
43) Isopropyl Acetate	8.15	43	152652	18.926	ug/l	98
44) Trichloroethene	8.83	130	58272	21.656	ug/l	100
45) 1,2-Dichloropropane	9.11	63	67361	20.118	ug/l	100
46) Dibromomethane	9.20	93	45819	21.333	ug/l	95
47) Bromodichloromethane	9.40	83	87222	19.108	ug/l #	99
48) Methyl methacrylate	9.19	41	77434	18.667	ug/l	98
49) 1,4-Dioxane	9.19	88	19478	403.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	462282	103.203	ug/l	99
52) Toluene	10.15	92	147295	20.299	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	80082	17.487	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	89055	17.999	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	60642	20.767	ug/l	99
56) Ethyl methacrylate	10.43	69	92750	19.899	ug/l	97
57) 1,3-Dichloropropane	10.71	76	106844	20.369	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	236302	99.930	ug/l	99
59) 2-Hexanone	10.75	43	329910	104.446	ug/l	100
60) Dibromochloromethane	10.90	129	55684	18.882	ug/l	98
61) 1,2-Dibromoethane	11.00	107	60173	21.464	ug/l	99
64) Tetrachloroethene	10.63	164	49857	21.300	ug/l	96
65) Chlorobenzene	11.43	112	156666	20.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	56558	20.754	ug/l	98
67) Ethyl Benzene	11.51	91	295507	19.556	ug/l	99
68) m/p-Xylenes	11.62	106	208581	40.076	ug/l	98
69) o-Xylene	11.95	106	103329	20.050	ug/l	99
70) Styrene	11.97	104	174508	19.570	ug/l	99
71) Bromoform	12.13	173	34303	18.995	ug/l #	97
73) Isopropylbenzene	12.25	105	291526	19.415	ug/l	99
74) N-amyl acetate	12.07	43	132274	17.635	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	88707	19.701	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	68047m	17.447	ug/l	
77) Bromobenzene	12.53	156	69189	21.210	ug/l	90
78) n-propylbenzene	12.59	91	343859	19.275	ug/l	98
79) 2-Chlorotoluene	12.68	91	209311	19.273	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	251659	19.730	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17494	13.950	ug/l	90
82) 4-Chlorotoluene	12.78	91	215568	19.273	ug/l	99
83) tert-Butylbenzene	13.00	119	210958	19.619	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	247258	19.569	ug/l	99
85) sec-Butylbenzene	13.17	105	282234	19.052	ug/l	97
86) p-Isopropyltoluene	13.29	119	247331	19.700	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	123591	20.266	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	120668	19.780	ug/l	97
89) n-Butylbenzene	13.62	91	231453	18.641	ug/l	98
90) Hexachloroethane	13.88	117	34987	17.785	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	122622	20.423	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16254	18.324	ug/l	92

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Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	76053	21.173	ug/l	98
94) Hexachlorobutadiene	15.02	225	38278	21.863	ug/l	96
95) Naphthalene	15.13	128	202490	19.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	72636	21.097	ug/l	98

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

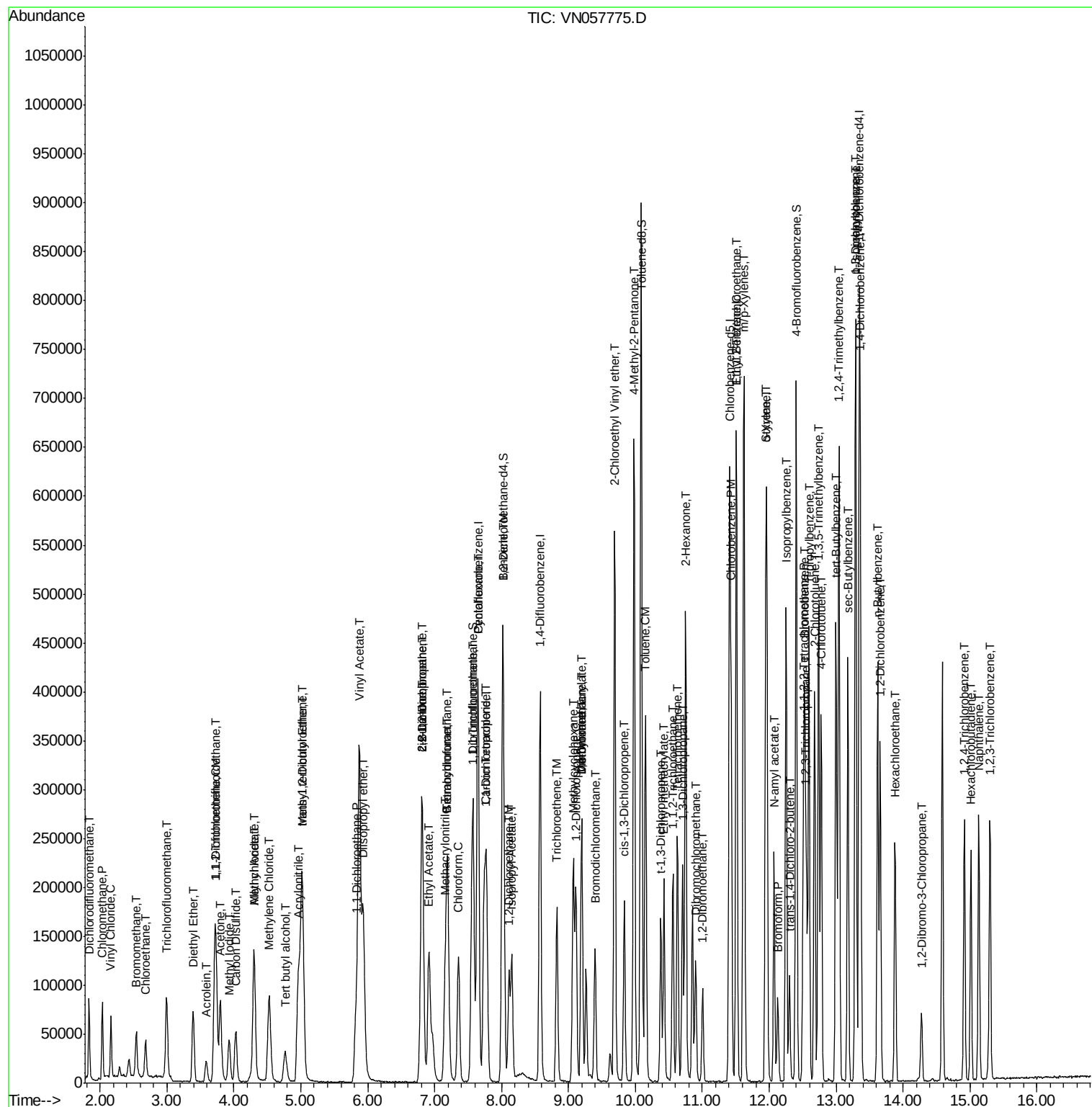
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090719\
Data File : VN057775.D
Acq On : 8 Sep 2019 00:17
Operator : JC/SP
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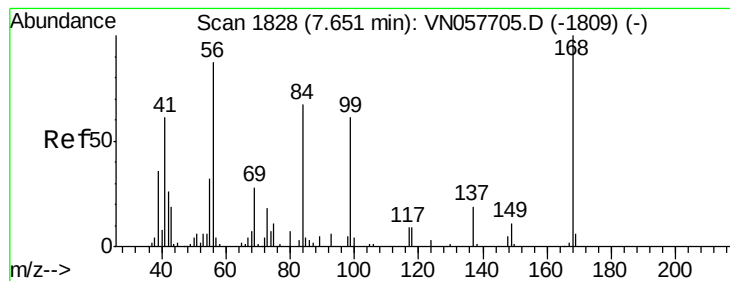
Instrument :
MSVOA_N
Client Sampled :
VN0907WBS02

Manual Integrations
APPROVED

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9/10/2019 3:02:50 PM

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion:168 Resp: 203628

Ion Ratio Lower Upper

168 100

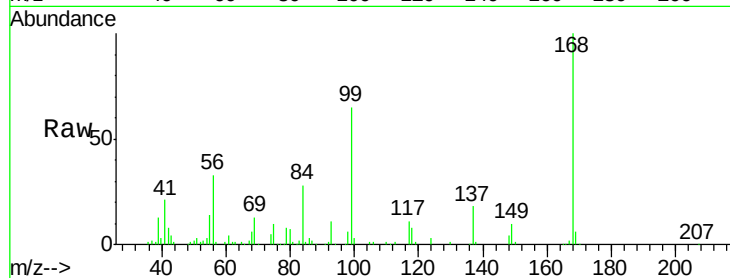
99 64.0 57.4 86.0

Manual Integrations

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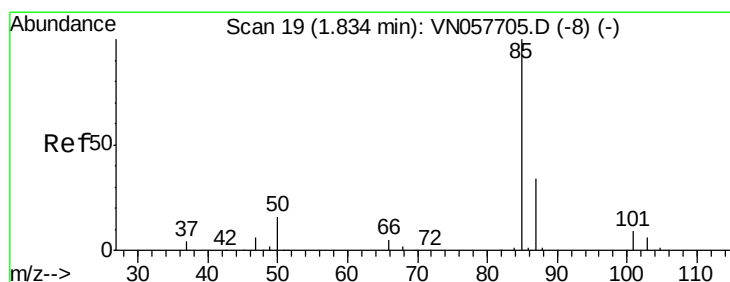
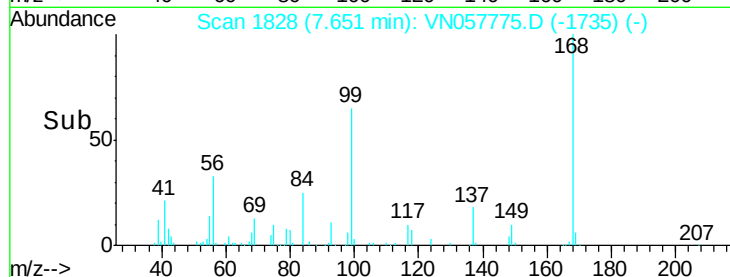
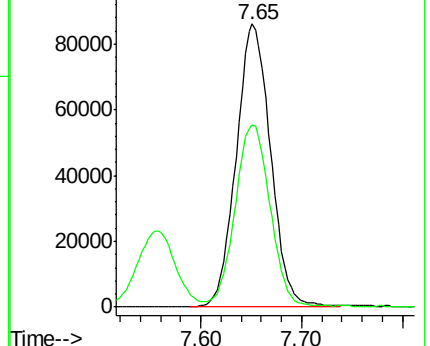
MMDadoda

9/10/2019 3:02:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.968 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057775.D

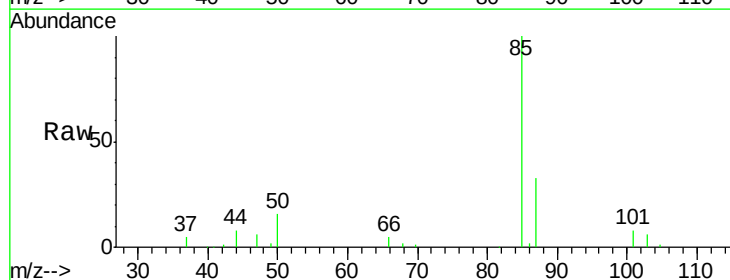
Acq: 8 Sep 2019 00:17

Tgt Ion: 85 Resp: 58104

Ion Ratio Lower Upper

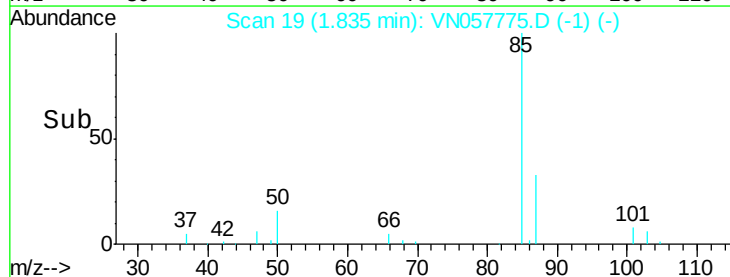
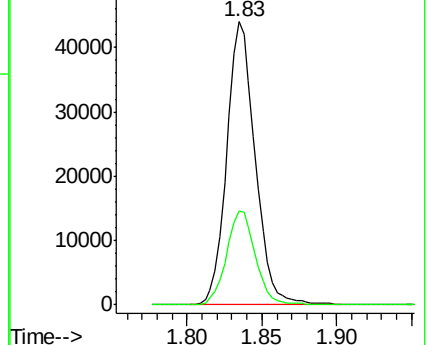
85 100

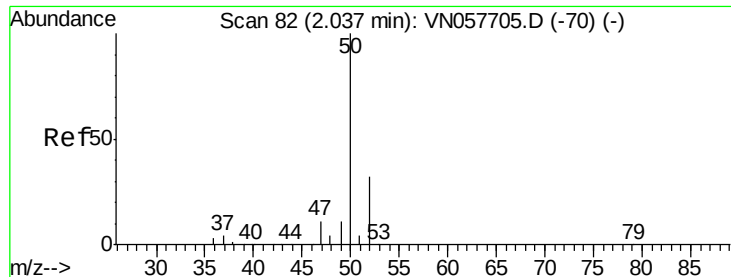
87 33.4 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 12.098 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 50 Resp: 56486

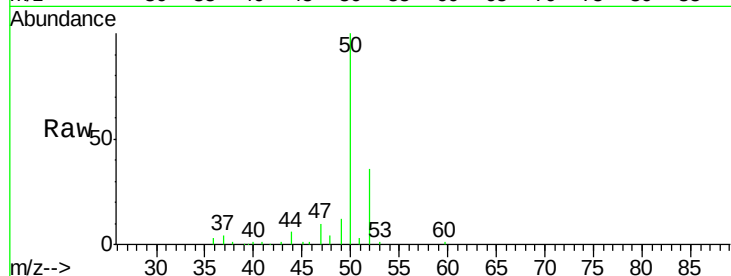
Ion Ratio Lower Upper

50 100

52 35.9 26.0 39.0

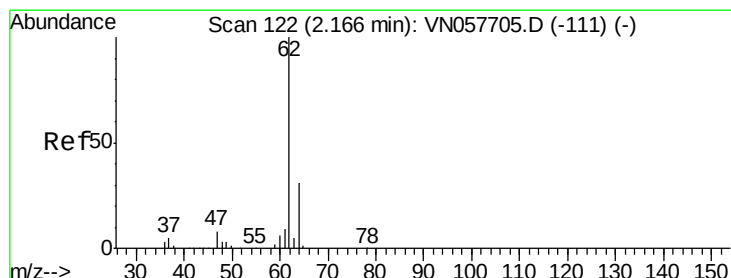
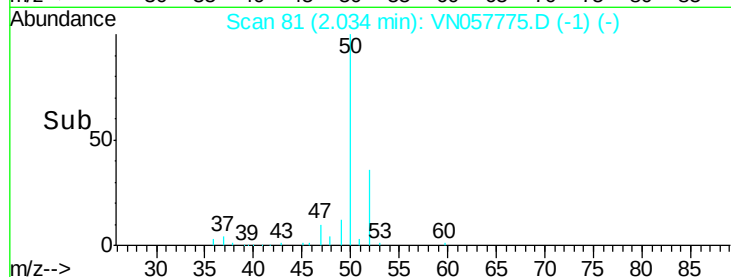
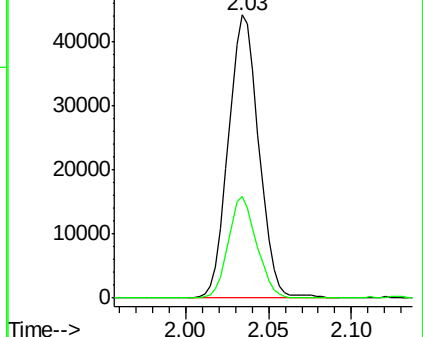
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.374 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057775.D

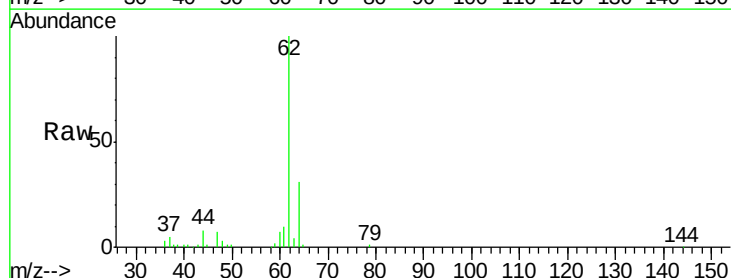
Acq: 8 Sep 2019 00:17

Tgt Ion: 62 Resp: 51456

Ion Ratio Lower Upper

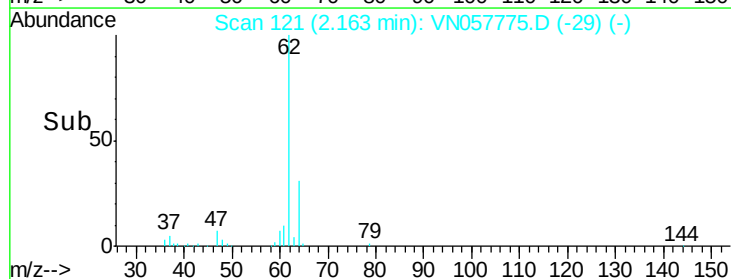
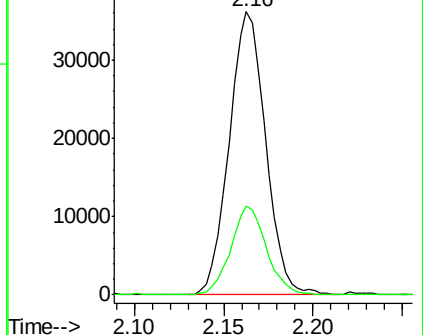
62 100

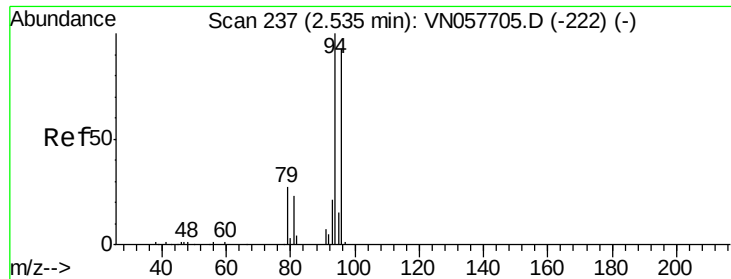
64 31.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.130 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 94 Resp: 28462

Ion Ratio Lower Upper

94 100

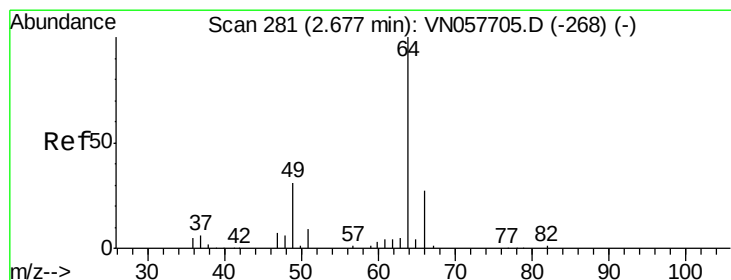
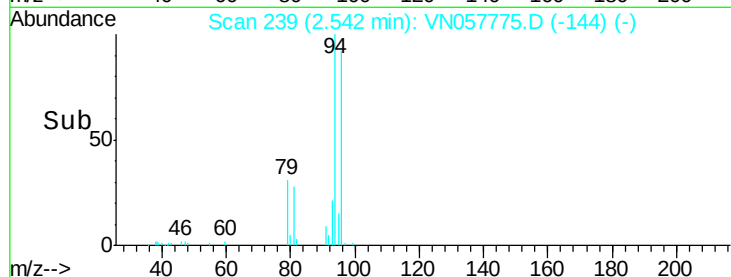
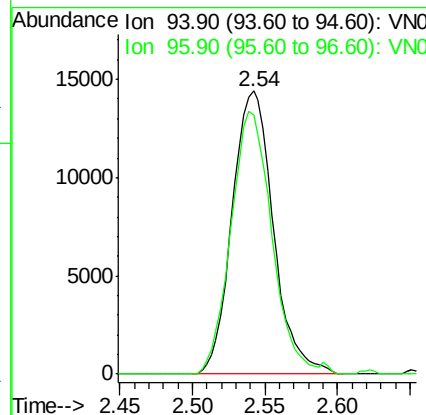
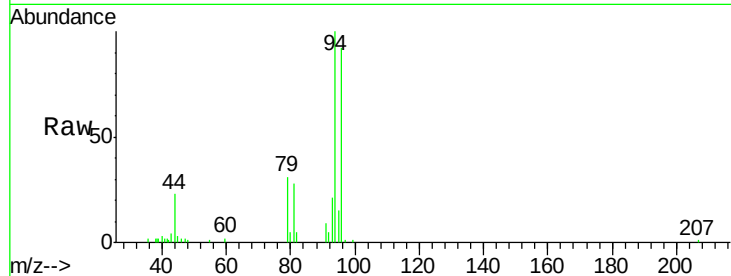
96 91.6 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 18.274 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN057775.D

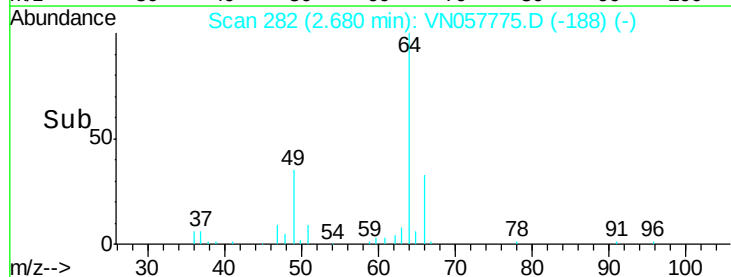
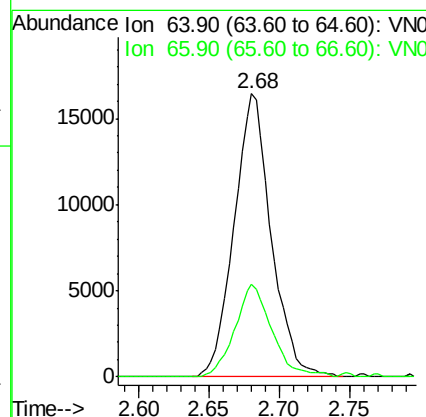
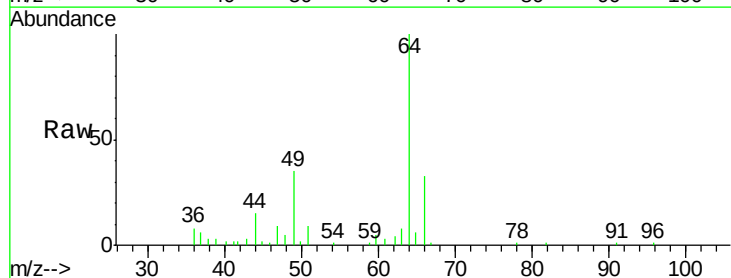
Acq: 8 Sep 2019 00:17

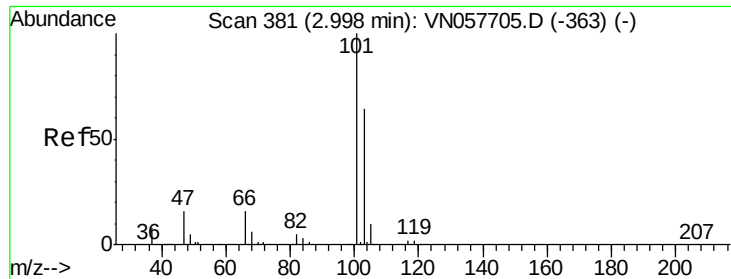
Tgt Ion: 64 Resp: 30212

Ion Ratio Lower Upper

64 100

66 32.8 22.0 33.0





#7

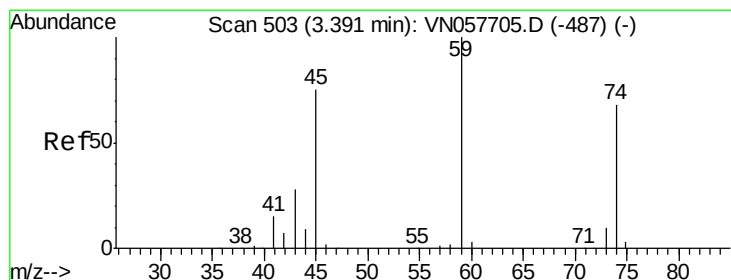
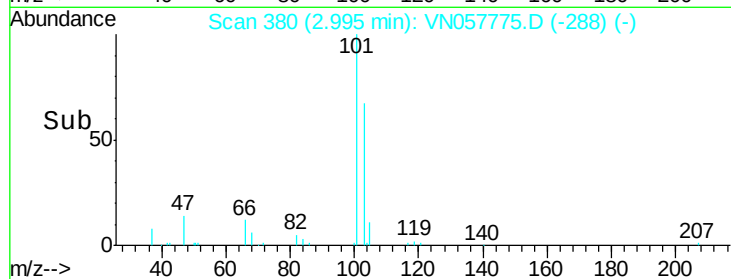
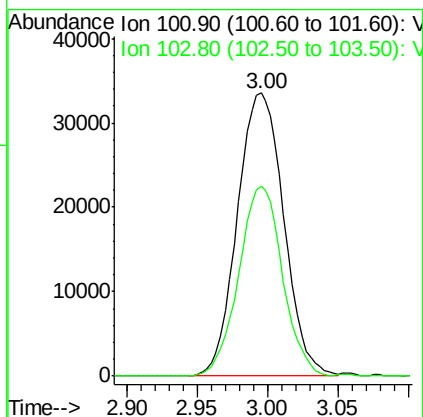
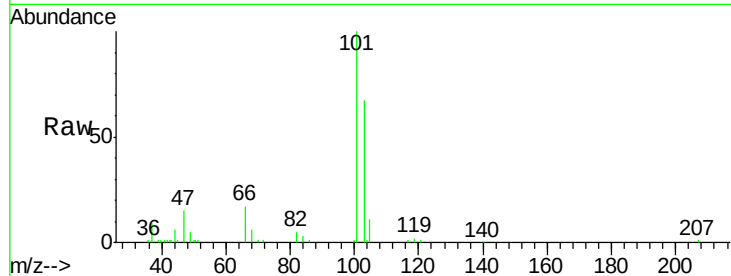
Trichlorofluoromethane
Concen: 17.190 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion:101 Resp: 77256
Ion Ratio Lower Upper
101 100
103 67.2 51.4 77.0

Manual Integrations
APPROVED

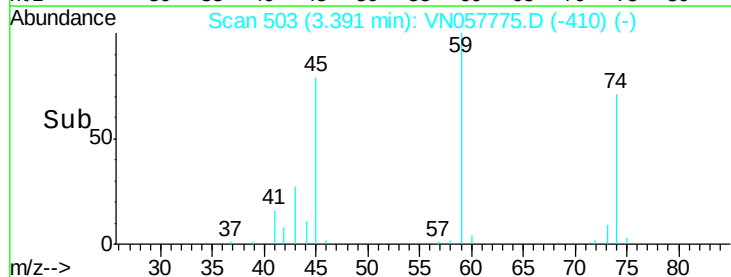
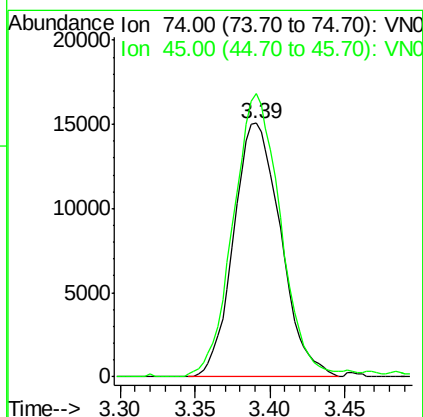
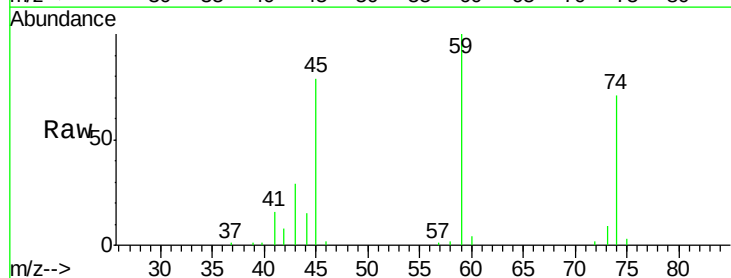
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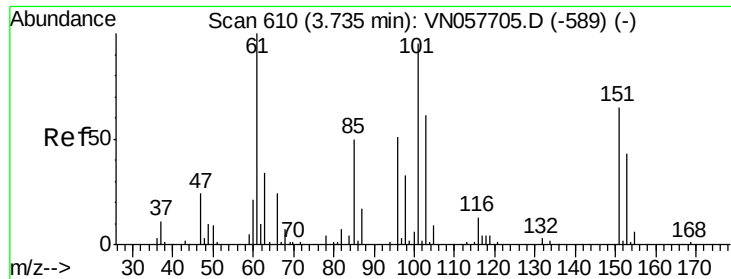


#8

Diethyl Ether
Concen: 18.422 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion: 74 Resp: 33082
Ion Ratio Lower Upper
74 100
45 111.8 55.4 166.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.308 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

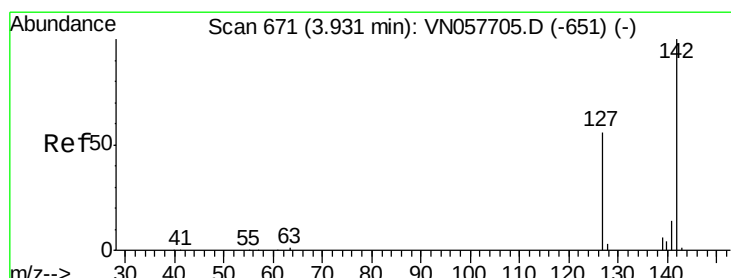
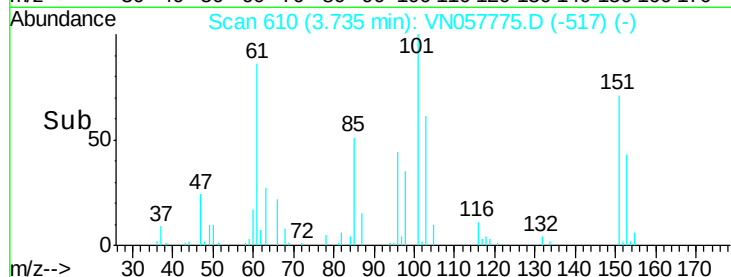
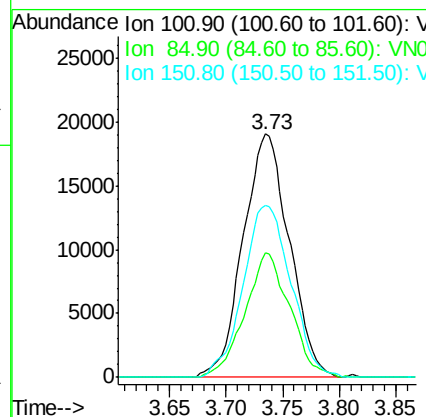
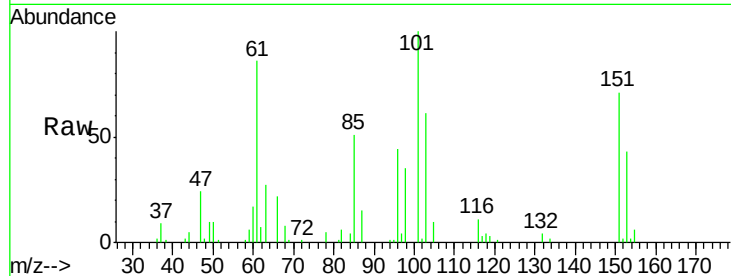
ClientSampleId :

VN0907WBS02

Tot Ion:	101	Resp:	54156
Ion Ratio	Lower	Upper	
101	100		
85	49.6	42.8	64.2
151	73.0	55.5	83.3

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#10

Methyl Iodide

Concen: 22.517 ug/l

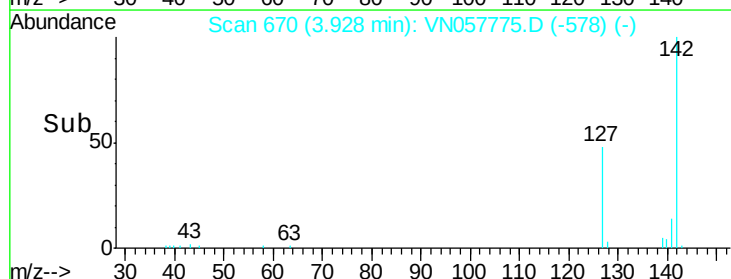
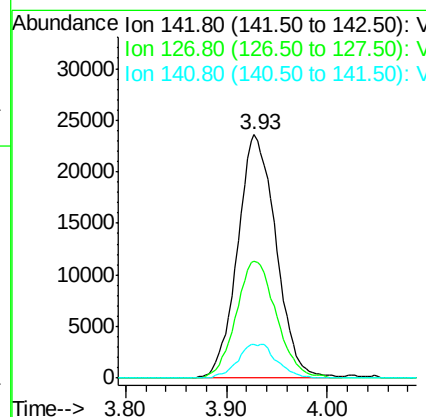
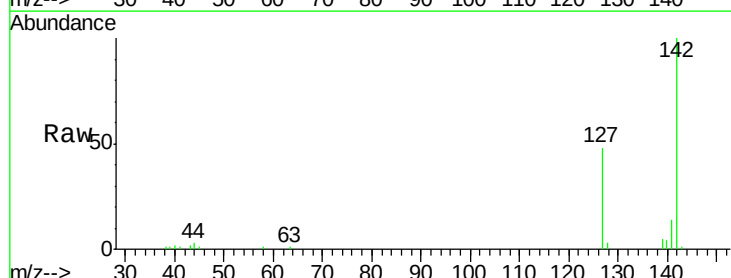
RT: 3.93 min Scan# 670

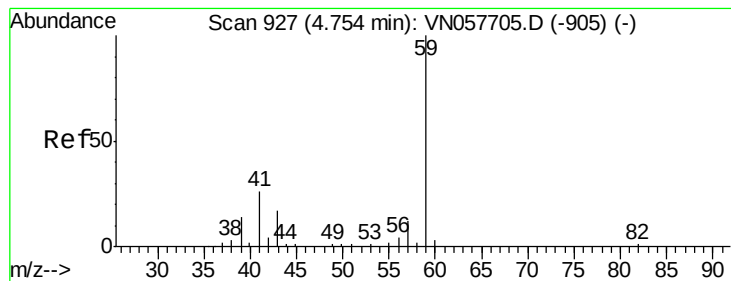
Delta R.T. -0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	142	Resp:	62575
Ion Ratio	Lower	Upper	
142	100		
127	50.1	42.1	63.1
141	14.1	11.0	16.4





#11

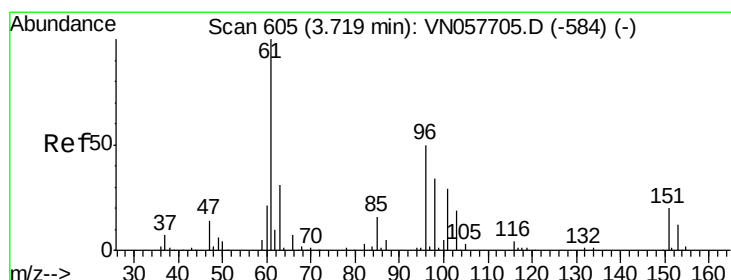
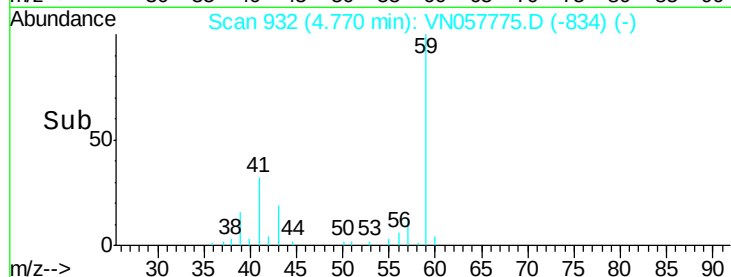
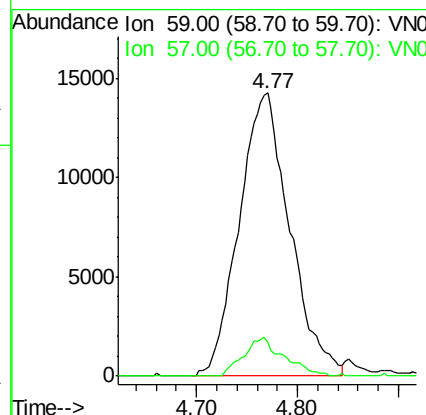
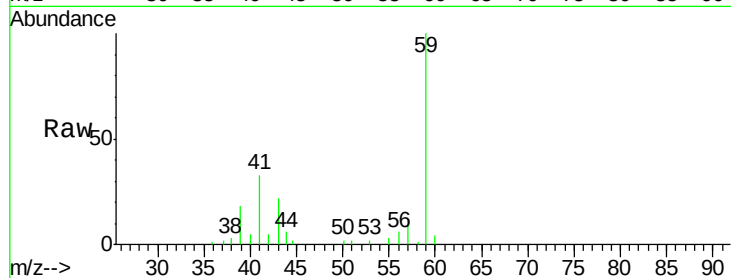
Tert butyl alcohol
 Concen: 88.164 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.9	13.3

Manual Integrations
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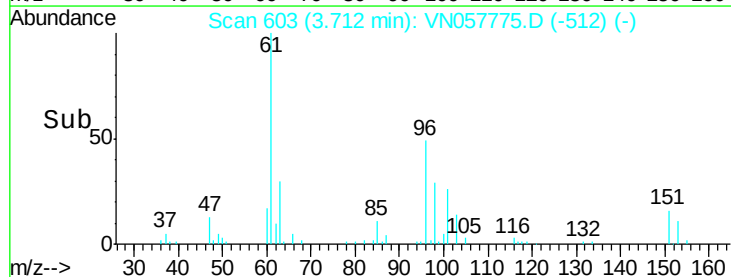
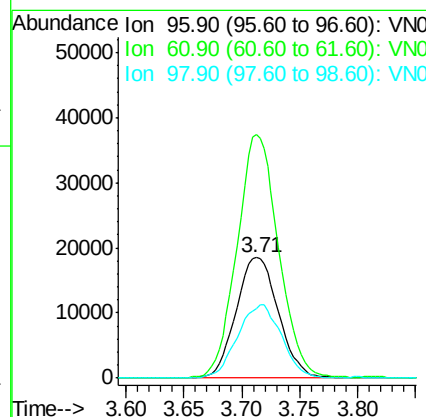
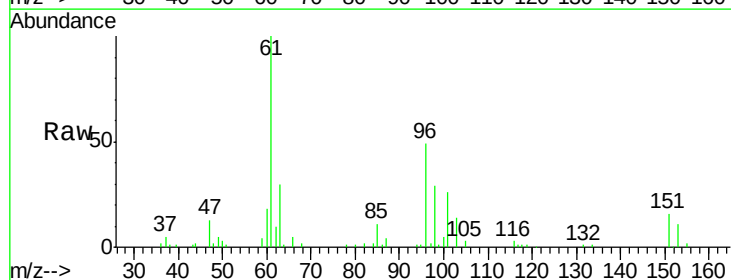
MMDadoda
 9/10/2019 3:02:50 PM

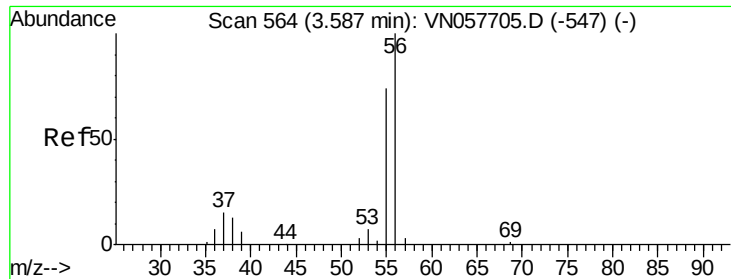


#12

1,1-Dichloroethene
 Concen: 18.630 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.0	158.7	238.1
98	57.9	53.8	80.8





#13

Acrolein

Concen: 81.550 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 56 Resp: 21828

Ion Ratio Lower Upper

56 100

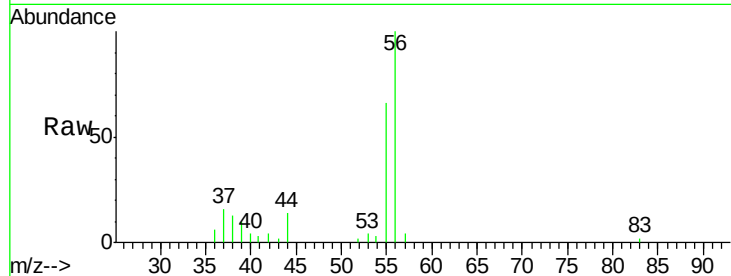
55 64.4 55.4 83.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

10000

8000

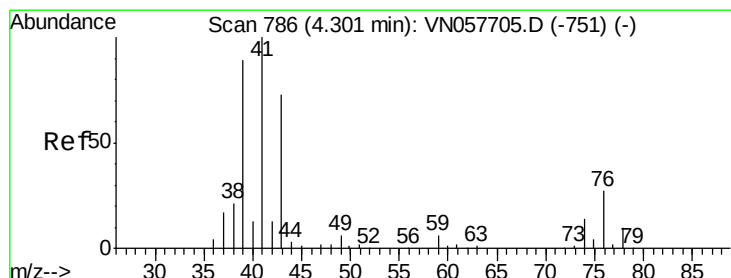
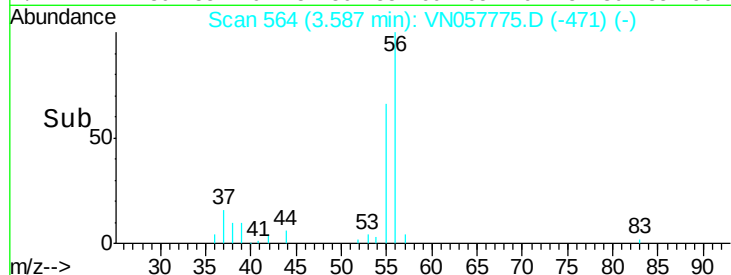
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 16.284 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

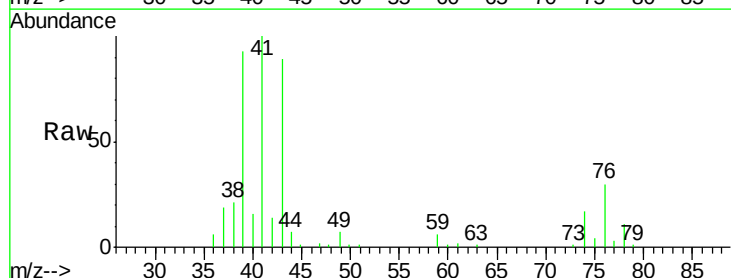
Tgt Ion: 41 Resp: 93907

Ion Ratio Lower Upper

41 100

39 84.6 67.5 101.3

76 27.8 21.4 32.2



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

40000

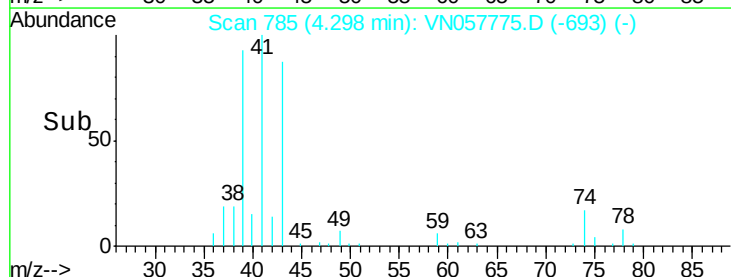
30000

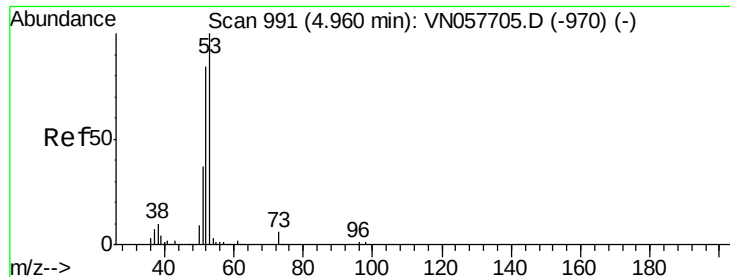
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 98.290 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

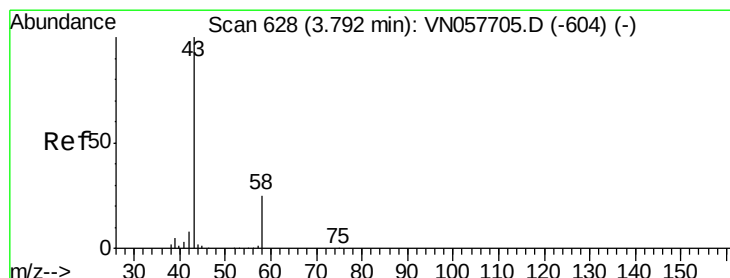
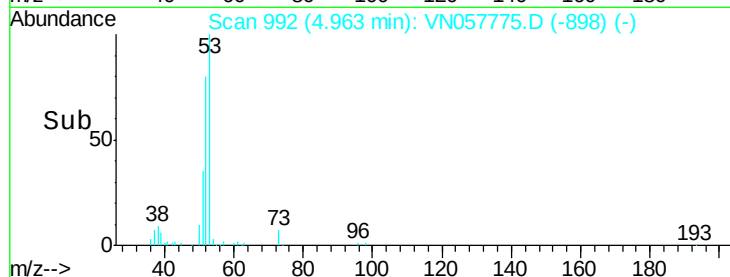
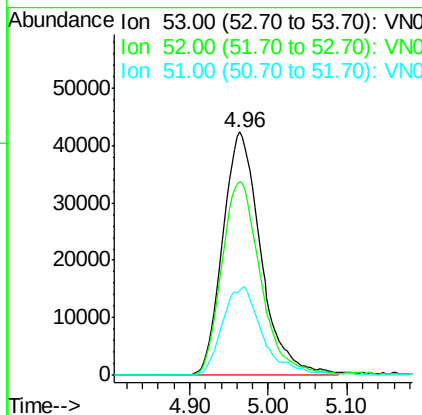
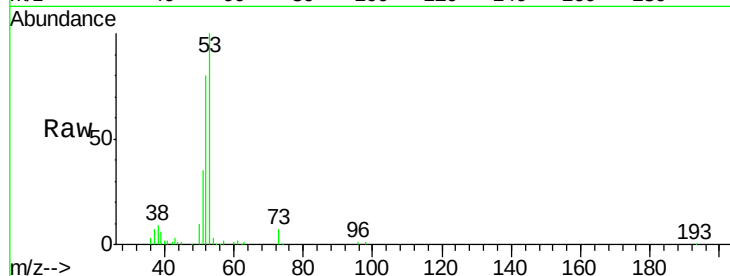
ClientSampleId :

VN0907WBS02

Tot Ion:	53	Resp:	142226
Ion	Ratio	Lower	Upper
53	100		
52	80.6	68.1	102.1
51	37.8	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 91.032 ug/l

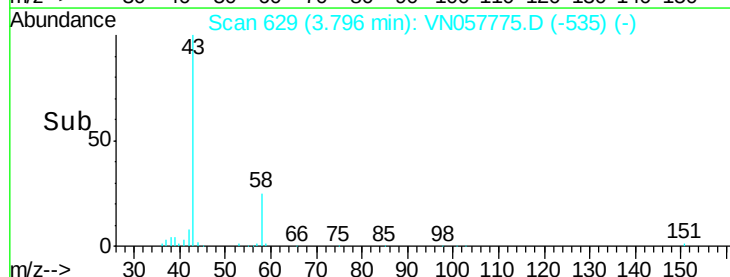
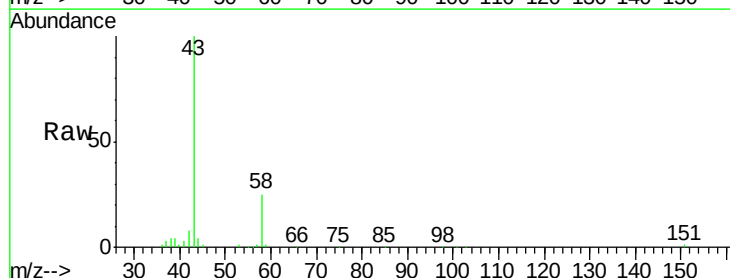
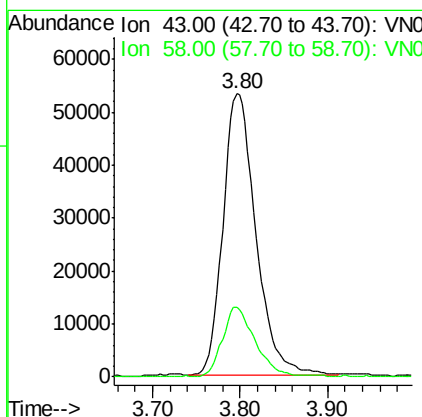
RT: 3.80 min Scan# 629

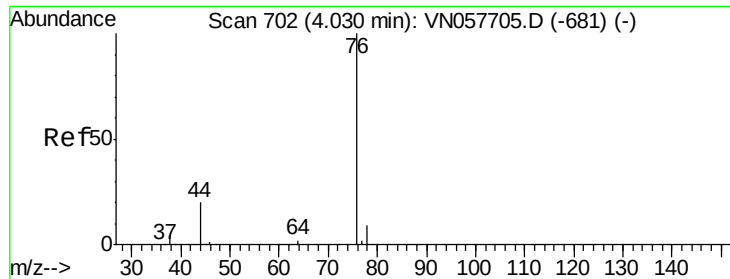
Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	43	Resp:	138771
Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.8	29.8





#17

Carbon Disulfide

Concen: 16.793 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 76 Resp: 96016

Ion Ratio Lower Upper

76 100

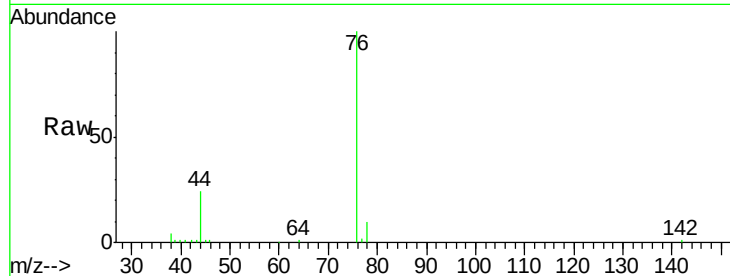
78 9.8 7.0 10.6

Manual Integrations

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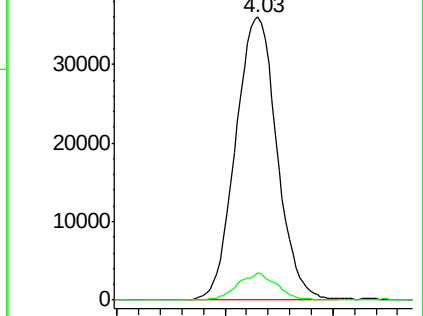
MMDadoda

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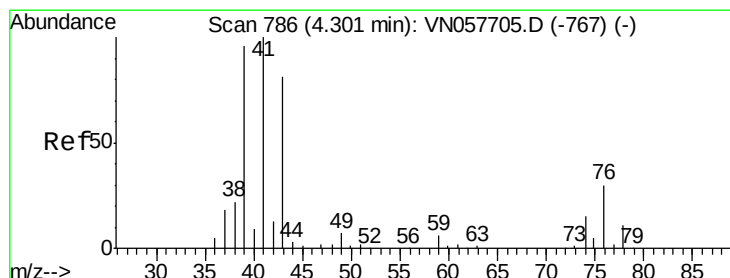
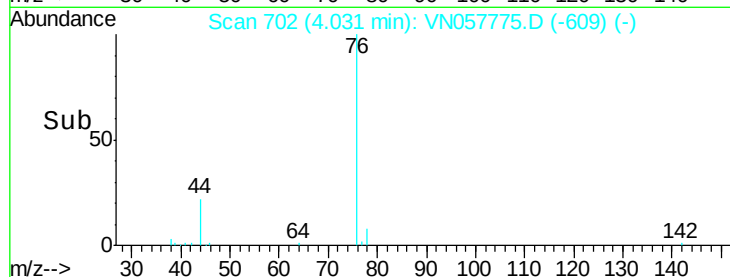


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.212 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057775.D

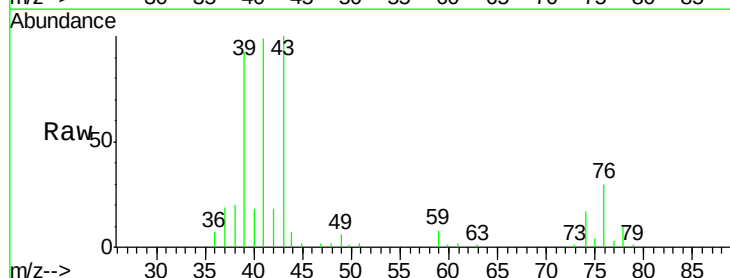
Acq: 8 Sep 2019 00:17

Tgt Ion: 43 Resp: 79645

Ion Ratio Lower Upper

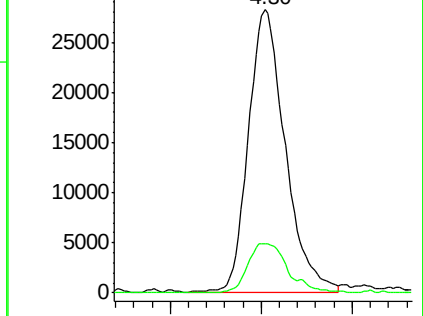
43 100

74 18.8 15.3 22.9

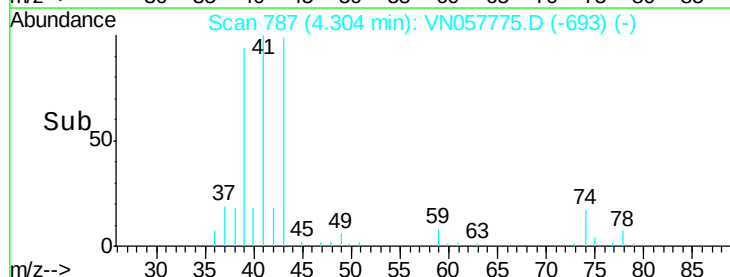


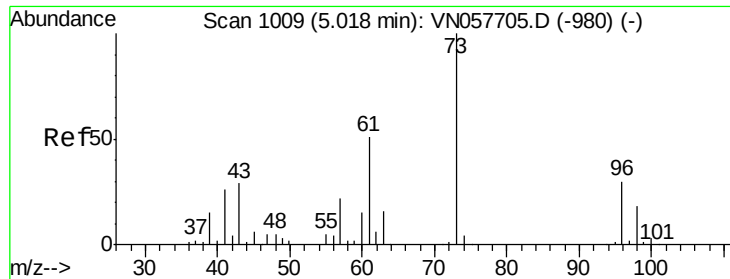
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time--> 4.20 4.30 4.40





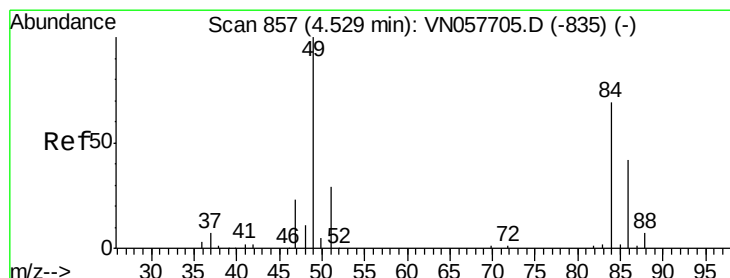
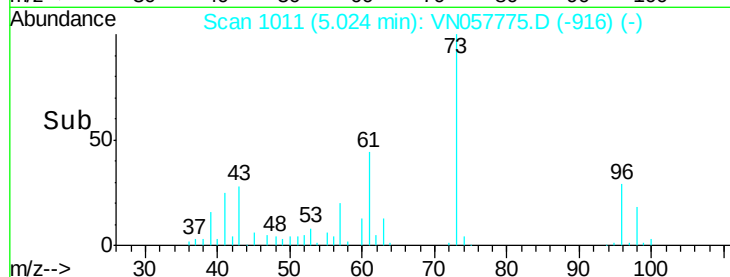
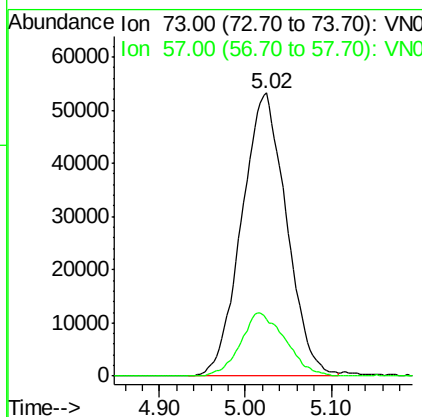
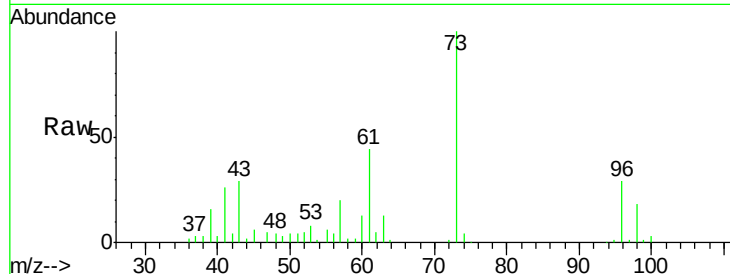
#19
Methyl tert-butyl Ether
Concen: 18.211 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion: 73 Resp: 192945
Ion Ratio Lower Upper
73 100
57 19.9 17.7 26.5

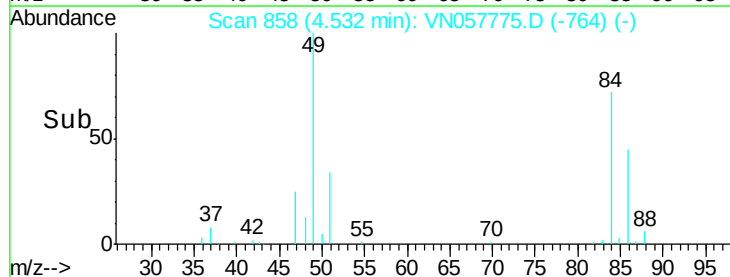
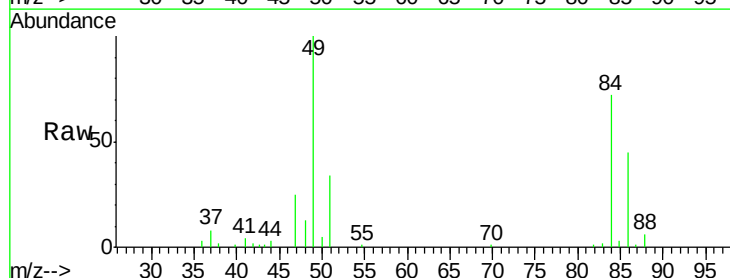
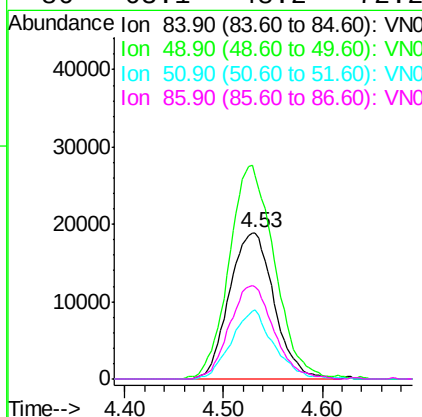
Manual Integrations
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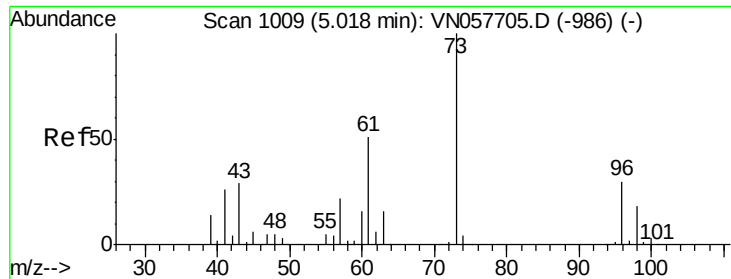
MMDadoda
9/10/2019 3:02:50 PM



#20
Methylene Chloride
Concen: 18.075 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion: 84 Resp: 59576
Ion Ratio Lower Upper
84 100
49 137.9 115.0 172.6
51 47.0 33.8 50.8
86 63.1 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 18.889 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

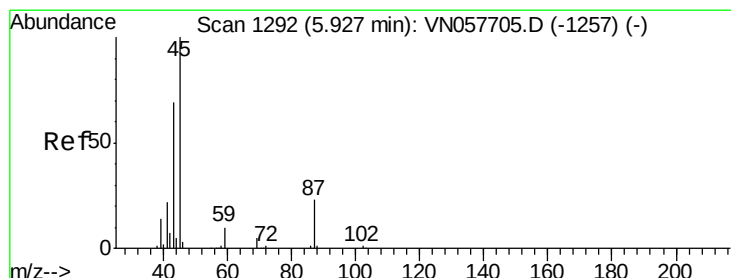
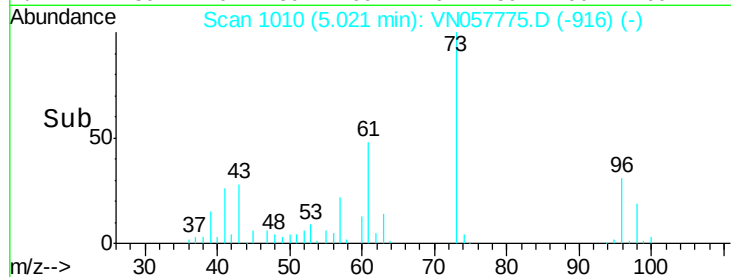
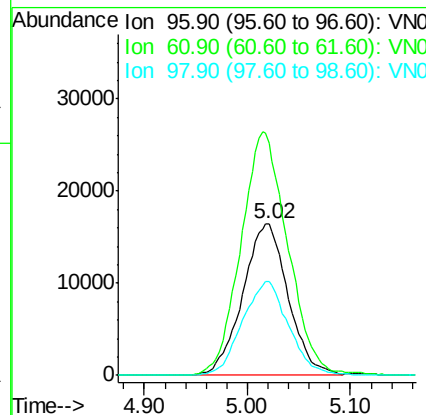
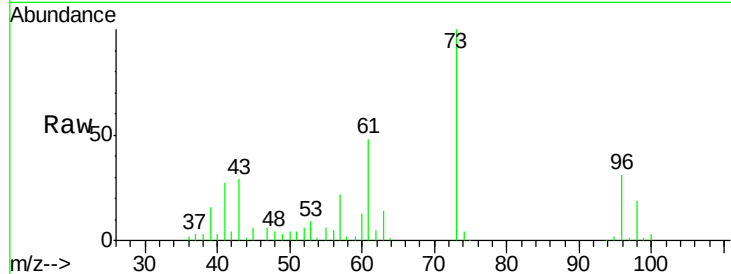
ClientSampleId :

VN0907WBS02

Tot Ion:	96	Resp:	50160
Ion	Ratio	Lower	Upper
96	100		
61	153.0	135.8	203.8
98	61.7	49.0	73.6

Manual Integrations
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9/10/2019 3:02:50 PM



#22

Diisopropyl ether

Concen: 18.327 ug/l

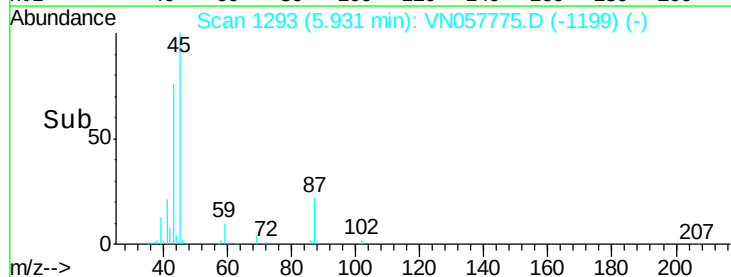
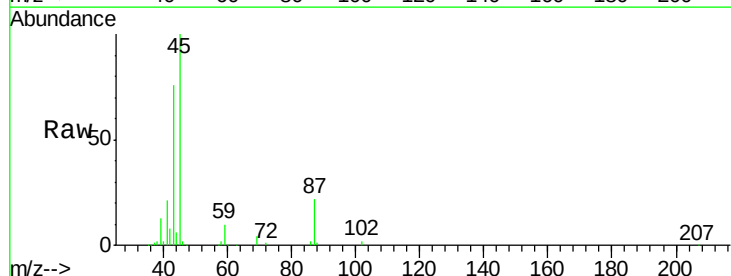
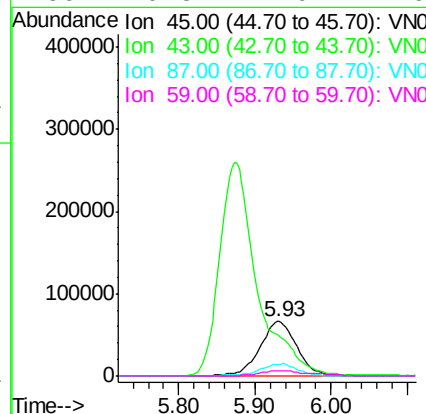
RT: 5.93 min Scan# 1293

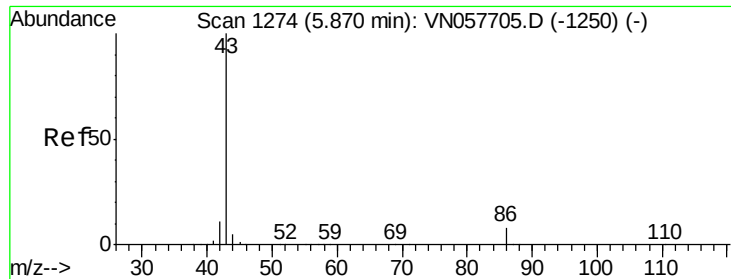
Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	45	Resp:	223573
Ion	Ratio	Lower	Upper
45	100		
43	73.0	55.5	83.3
87	21.5	18.6	28.0
59	9.8	7.9	11.9





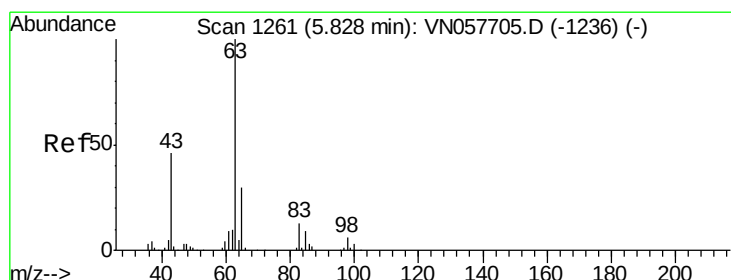
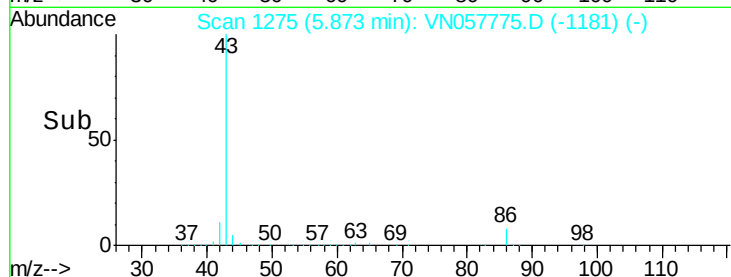
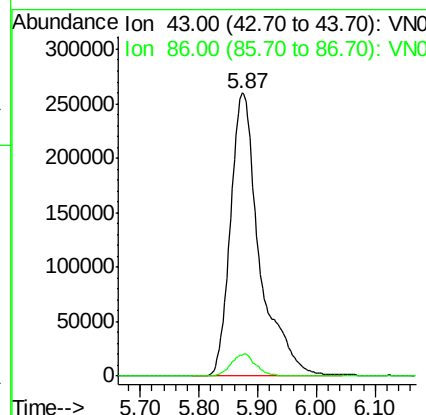
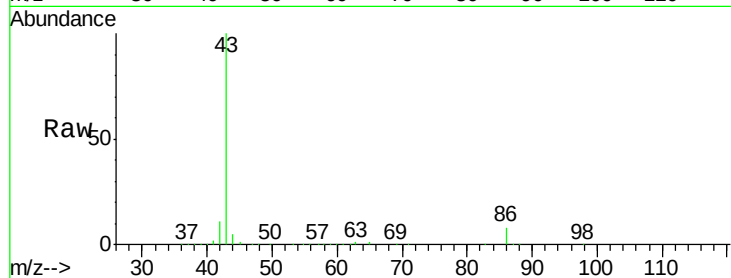
#23
 Vinyl Acetate
 Concen: 90.806 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	43	86	Resp	Lower	Upper
896642	100	7.6		6.2	9.4

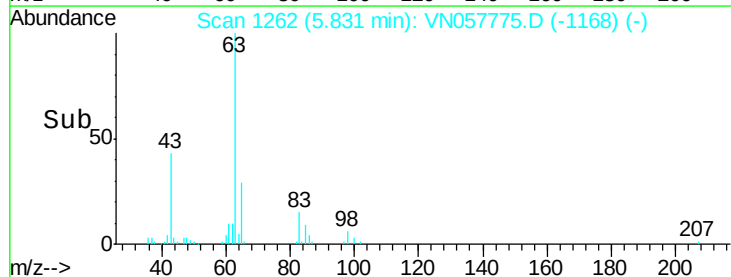
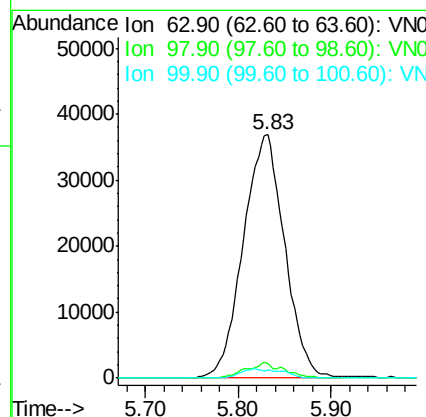
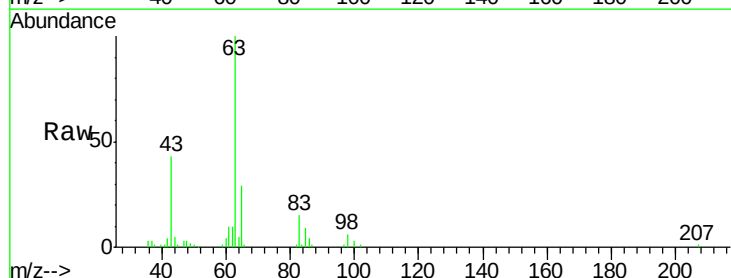
Manual Integrations
 APPROVED

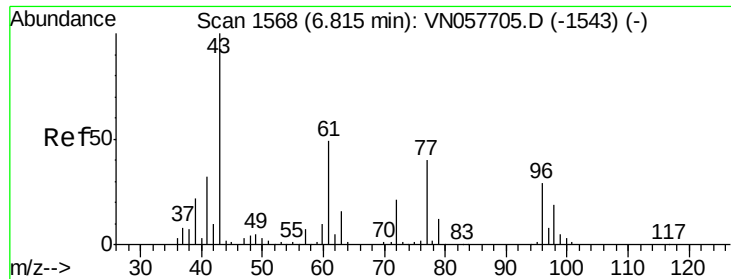
MMDadoda
 9/10/2019 3:02:50 PM



#24
 1,1-Dichloroethane
 Concen: 18.256 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	63	98	100	Resp	Lower	Upper
114197	100	5.9	3.1		2.9	8.8
					1.7	5.0





#25

2-Butanone

Concen: 96.579 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 43 Resp: 210840

Ion Ratio Lower Upper

43 100

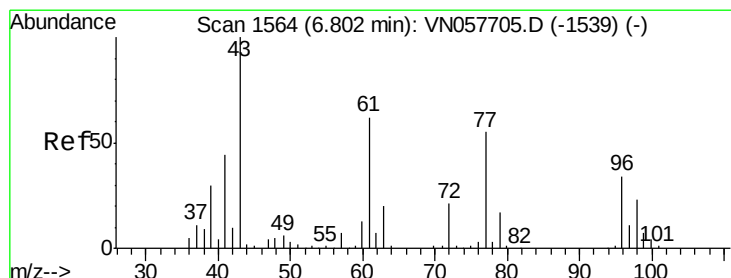
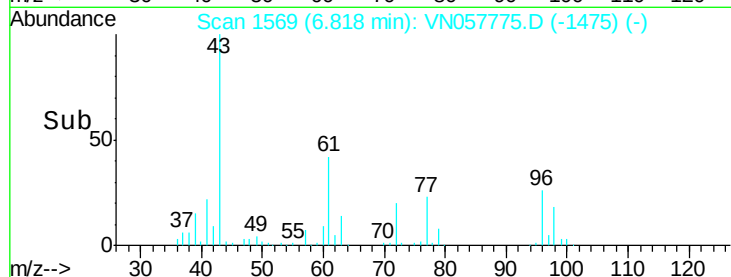
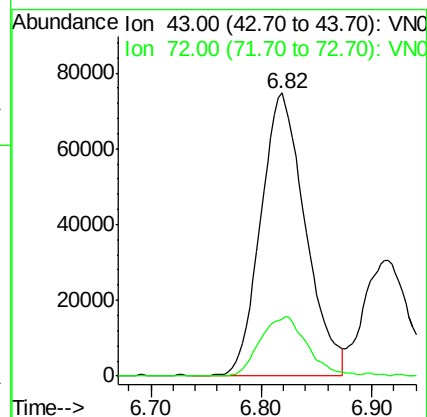
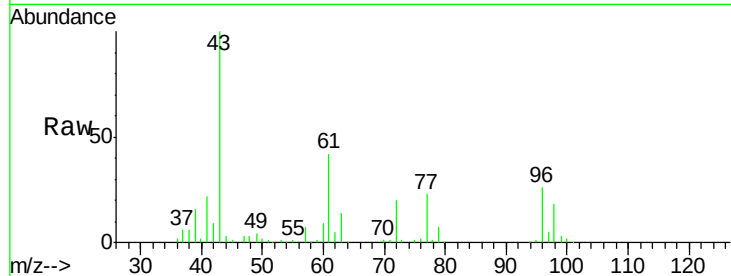
72 20.2 17.0 25.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 3:02:50 PM



#26

2,2-Dichloropropane

Concen: 12.977 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057775.D

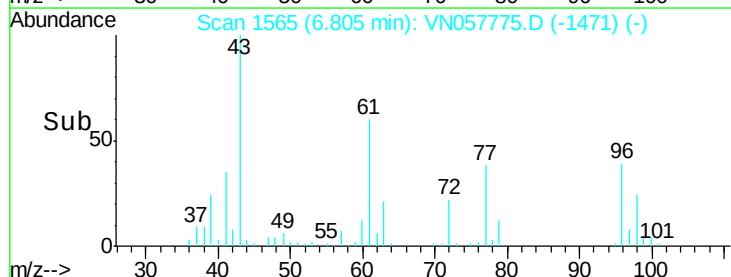
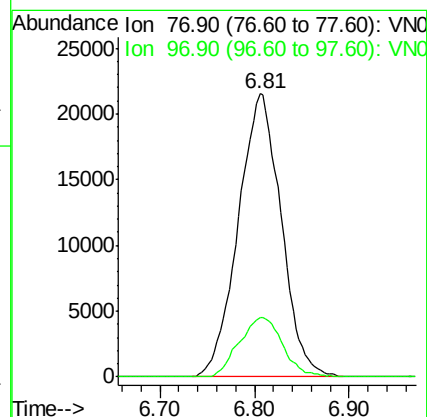
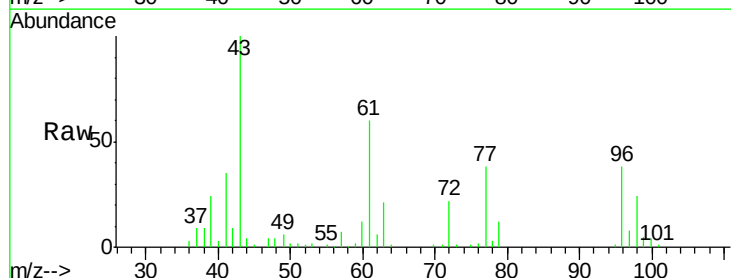
Acq: 8 Sep 2019 00:17

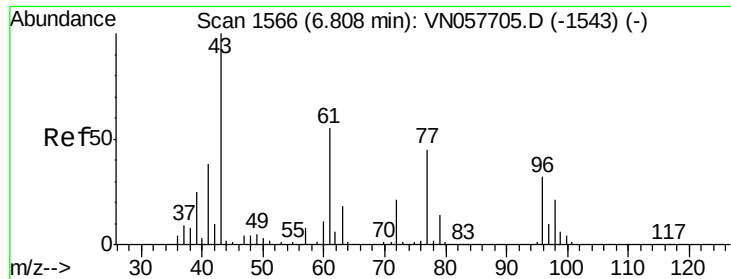
Tgt Ion: 77 Resp: 67717

Ion Ratio Lower Upper

77 100

97 21.3 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 19.084 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

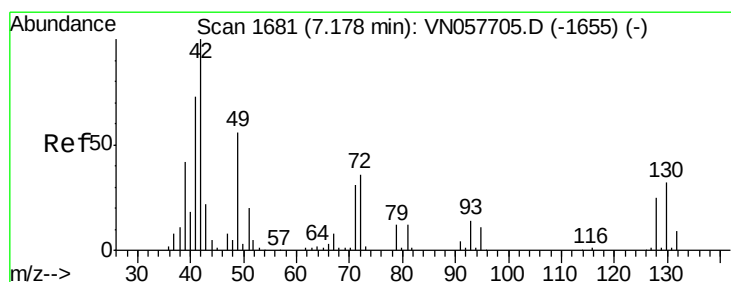
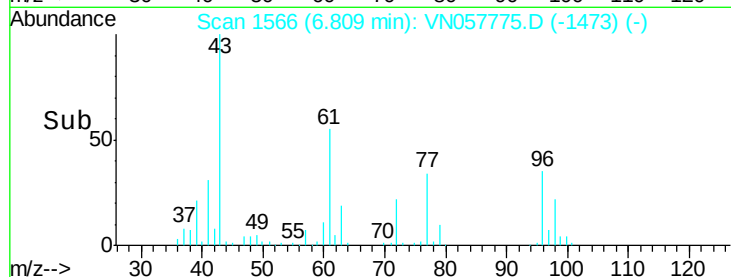
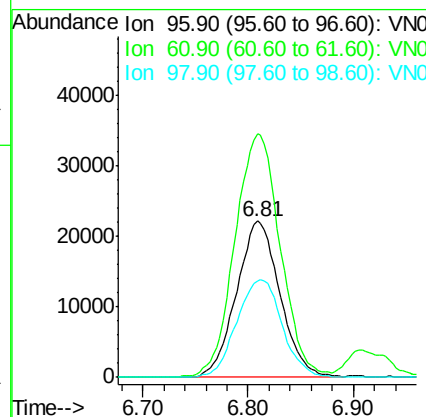
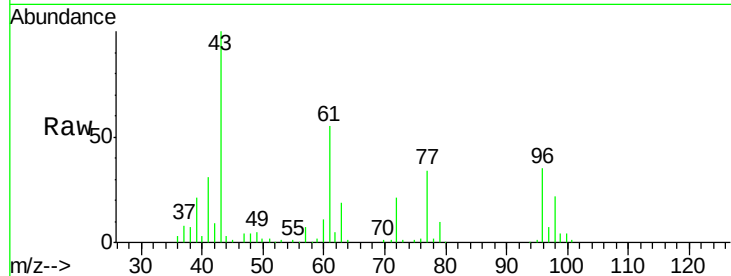
ClientSampleId :

VN0907WBS02

Tot Ion:	96	Resp:	63610
Ion	Ratio	Lower	Upper
96	100		
61	162.3	0.0	360.6
98	65.0	0.0	130.6

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#28

Bromochloromethane

Concen: 19.023 ug/l

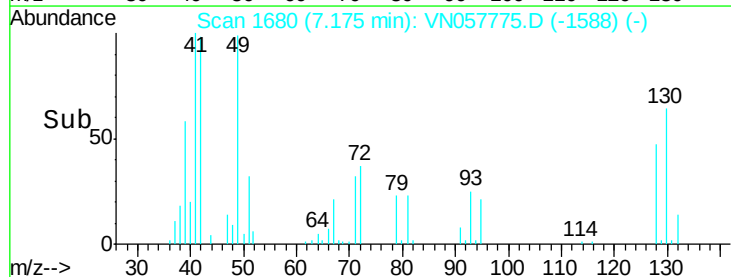
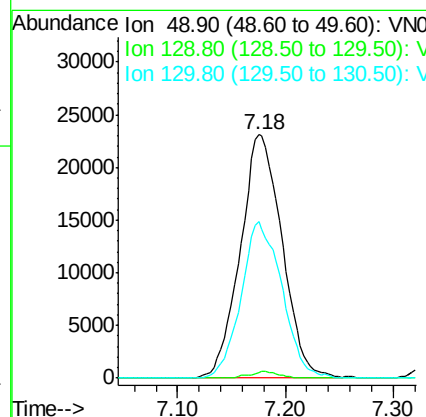
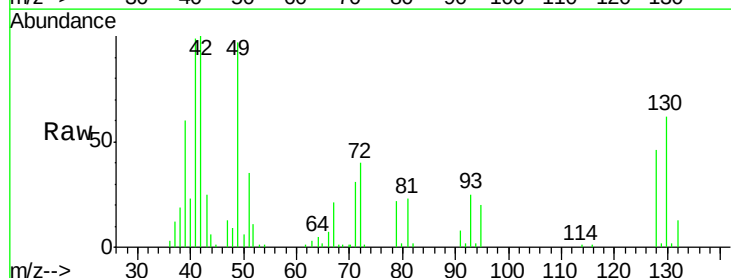
RT: 7.18 min Scan# 1680

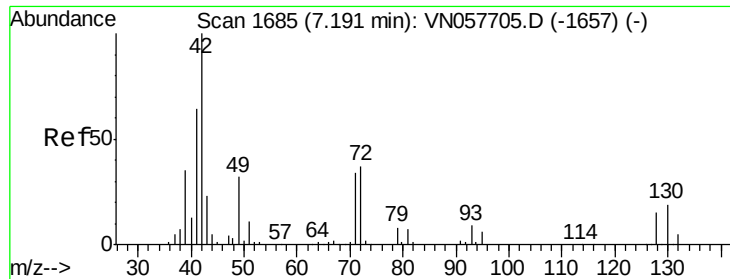
Delta R.T. -0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	49	Resp:	62261
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.4
130	62.7	45.8	68.8





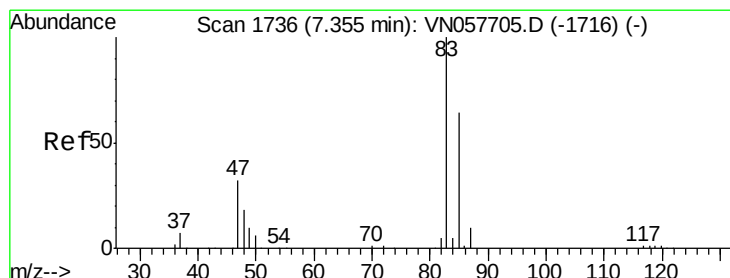
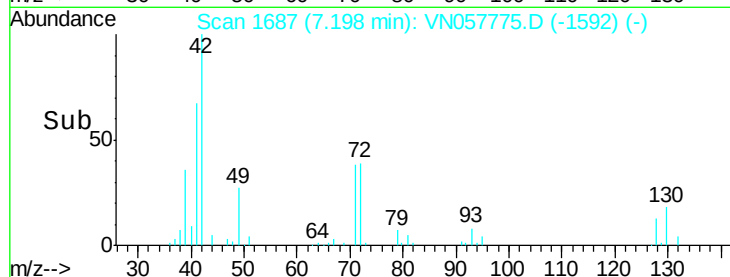
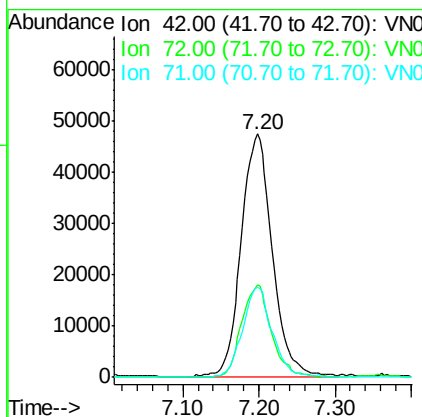
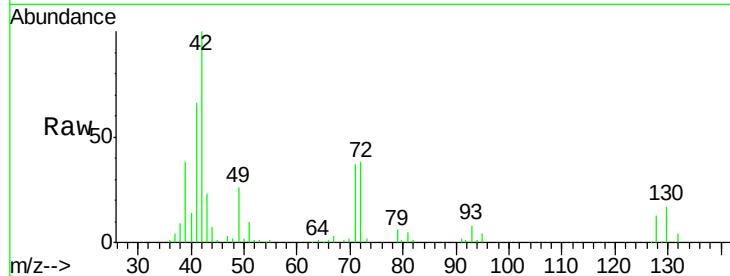
#29
Tetrahydrofuran
Concen: 96.765 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.2	43.8
71	34.8	27.0	40.4

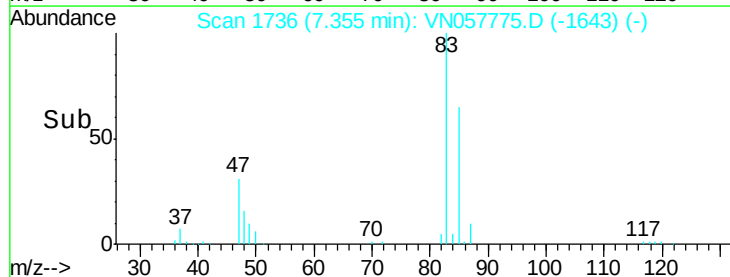
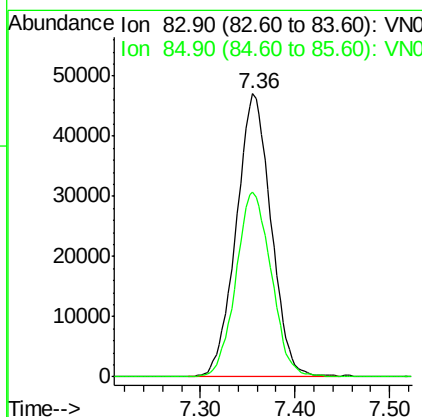
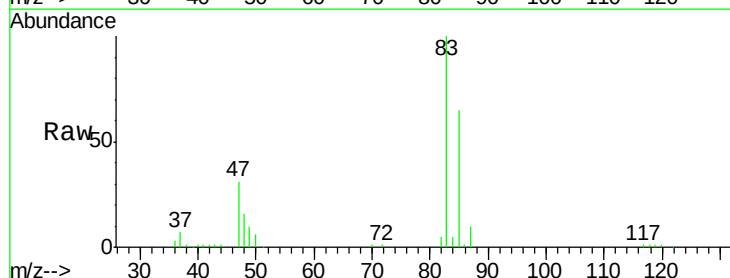
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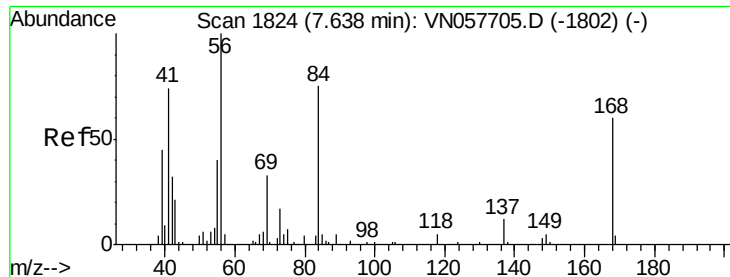
MMDadoda
9/10/2019 3:02:50 PM



#30
Chloroform
Concen: 18.500 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.3	76.9





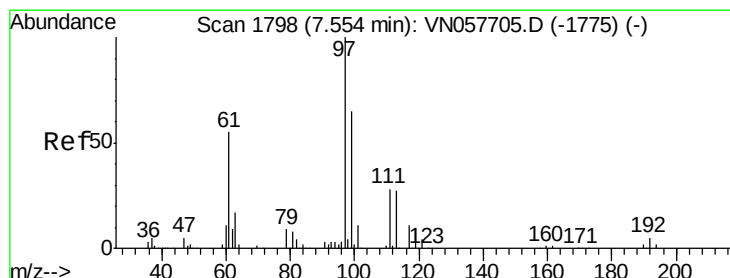
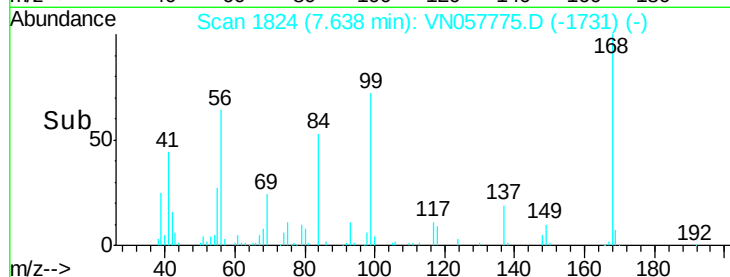
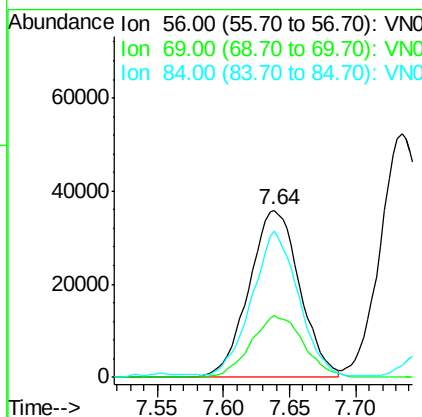
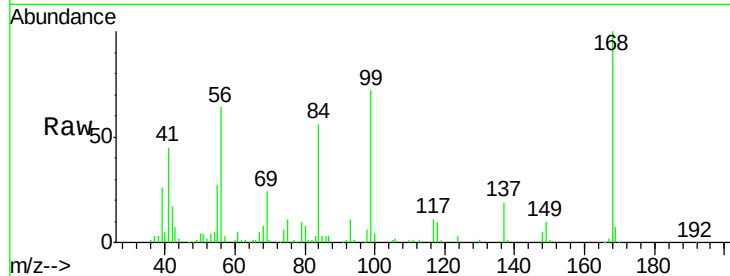
#31
Cyclohexane
Concen: 17.262 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.2	39.2
84	86.1	59.8	89.8

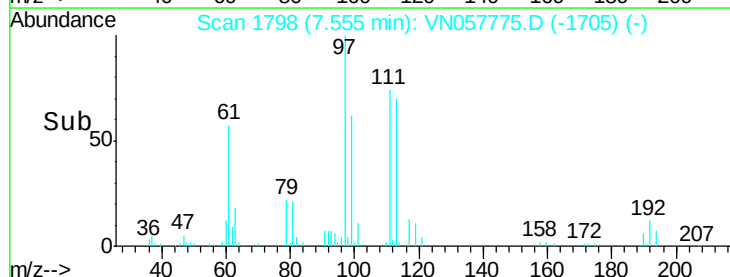
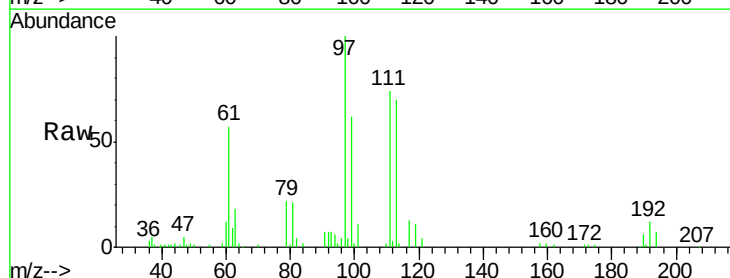
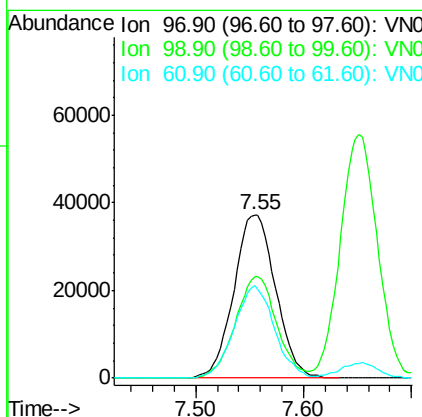
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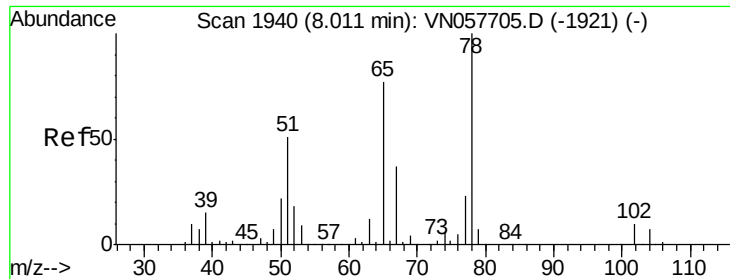
MMDadoda
9/10/2019 3:02:50 PM



#32
1,1,1-Trichloroethane
Concen: 18.499 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.2	76.8
61	54.6	42.8	64.2





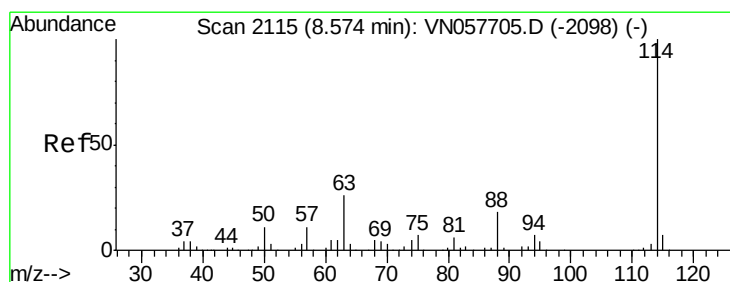
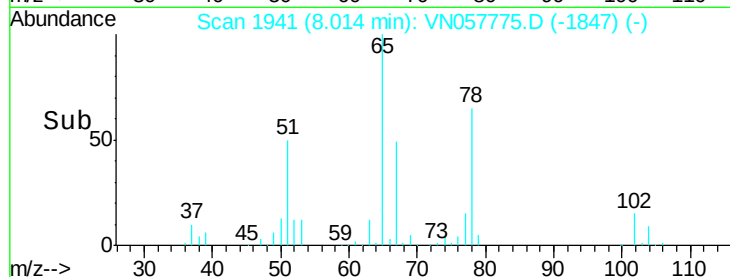
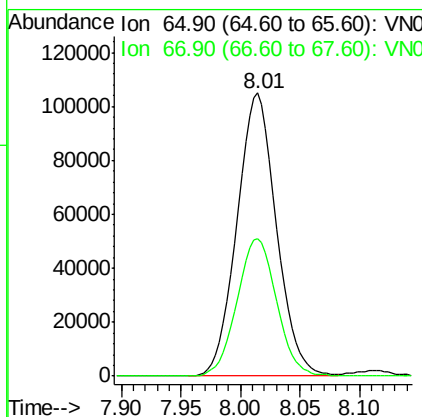
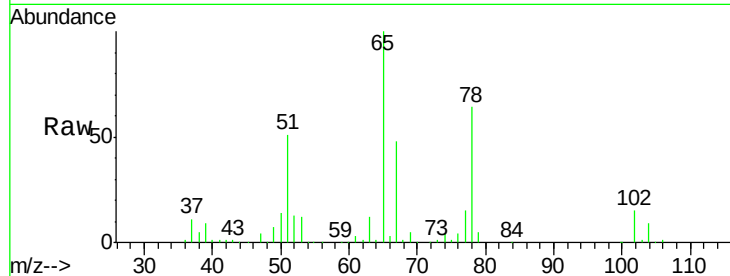
#33
 1,2-Dichloroethane-d4
 Concen: 48.621 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240850		
67	49.0	0.0	98.2	

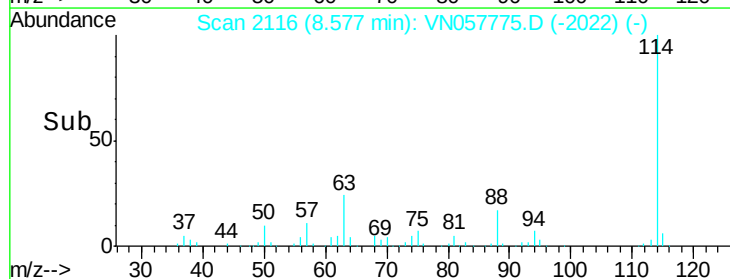
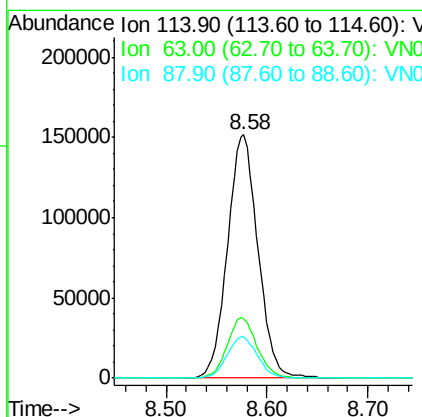
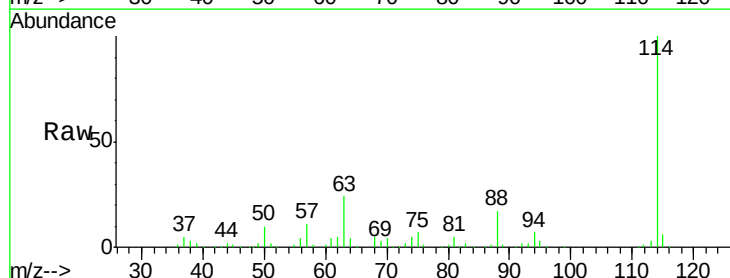
Manual Integrations
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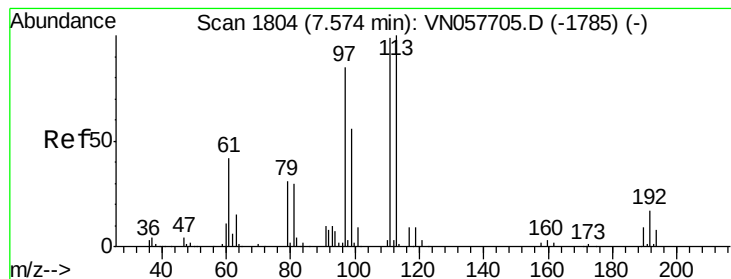
MMDadoda
 9/10/2019 3:02:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318166		
63	24.3	0.0	52.4	
88	16.8	0.0	35.4	





#35

Dibromofluoromethane

Concen: 53.419 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

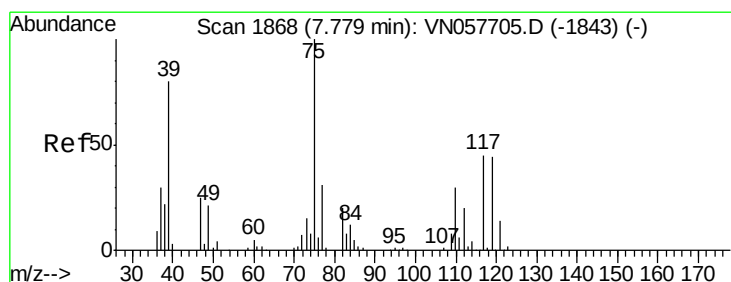
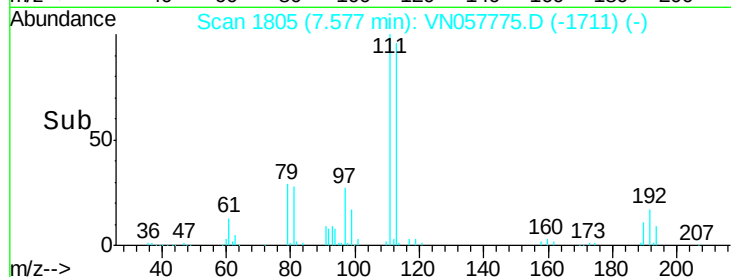
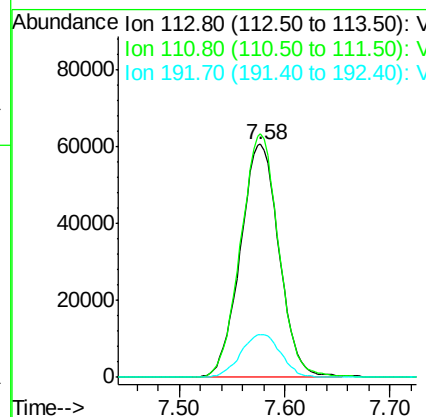
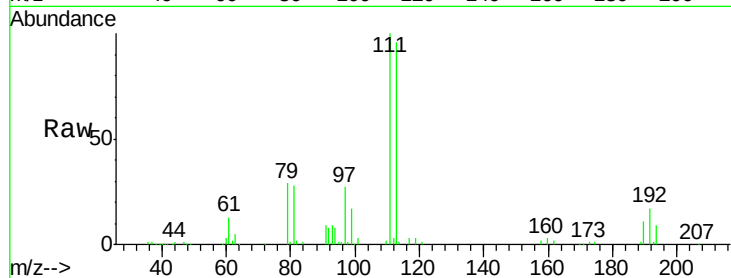
ClientSampleId :

VN0907WBS02

Tot Ion:	113	Resp:	154808
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.7	124.1
192	19.1	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.314 ug/l

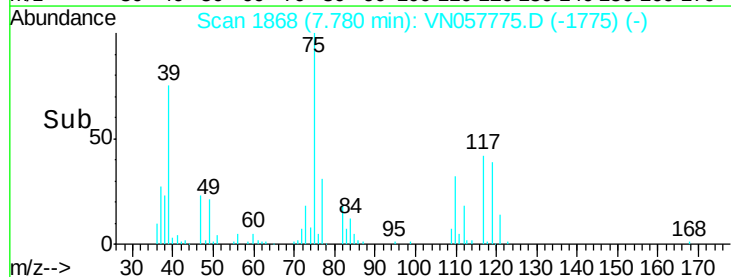
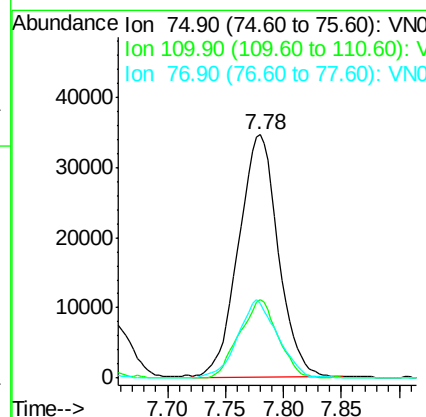
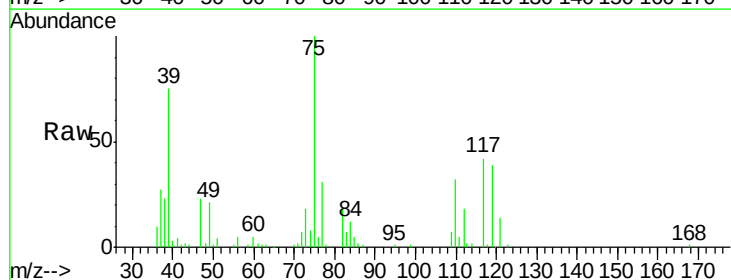
RT: 7.78 min Scan# 1868

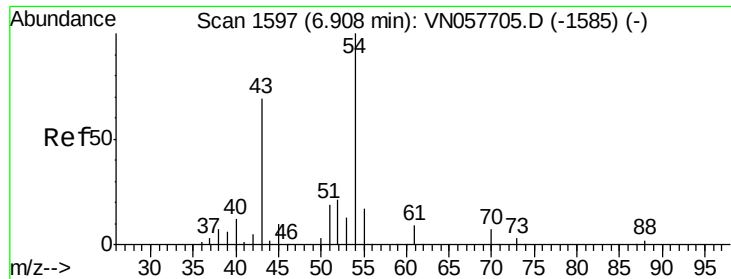
Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	75	Resp:	81749
Ion Ratio	Lower	Upper	
75	100		
110	31.6	15.0	45.0
77	32.4	24.6	37.0





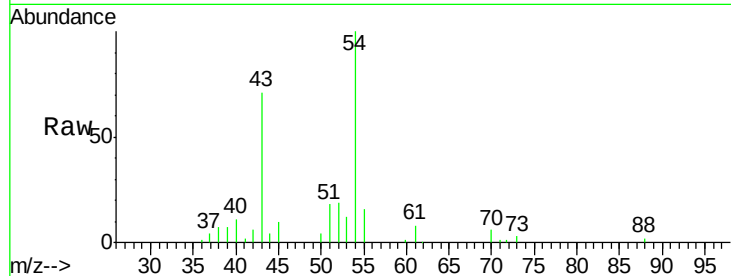
#37
Ethyl Acetate
Concen: 20.787 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	8.1	6.7	10.1

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9/10/2019 3:02:50 PM

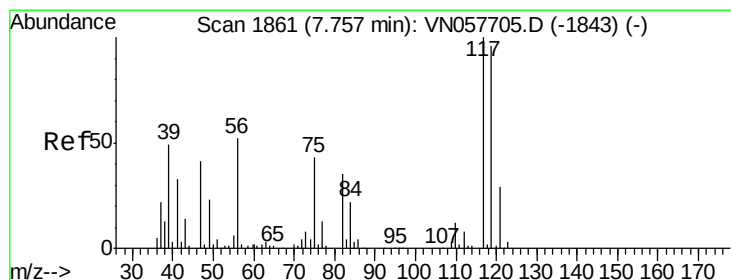
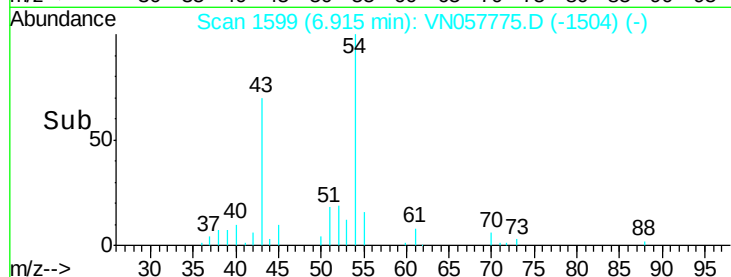
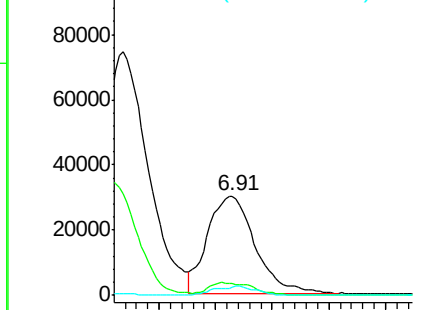


Abundance

Ion 43.00 (42.70 to 43.70): VN057775.D (-1504) (-)

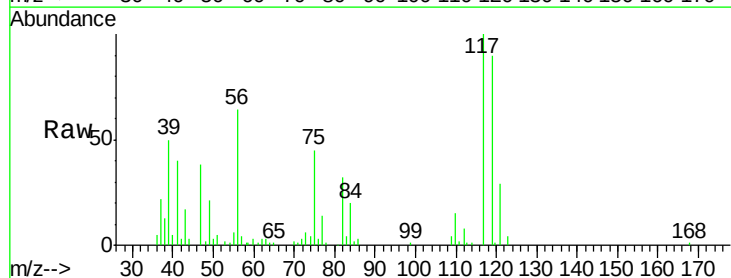
Ion 60.90 (60.60 to 61.60): VN057775.D (-1504) (-)

Ion 70.00 (69.70 to 70.70): VN057775.D (-1504) (-)



#38
Carbon Tetrachloride
Concen: 20.029 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.1	114.1
121	28.8	23.4	35.2

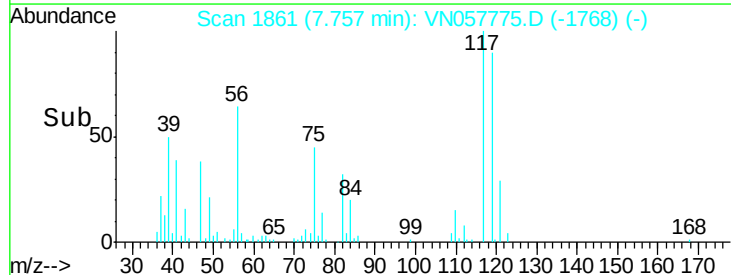
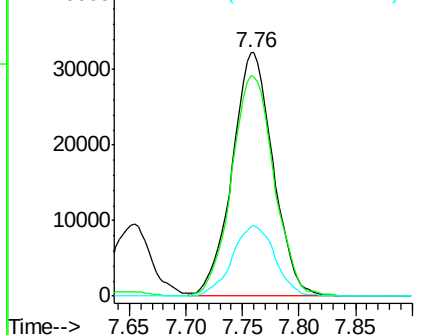


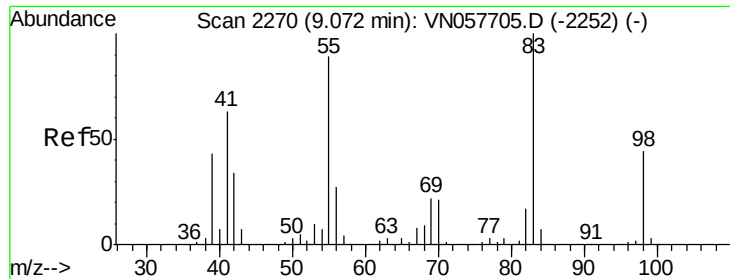
Abundance

Ion 116.80 (116.50 to 117.50): VN057775.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN057775.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN057775.D (-1768) (-)





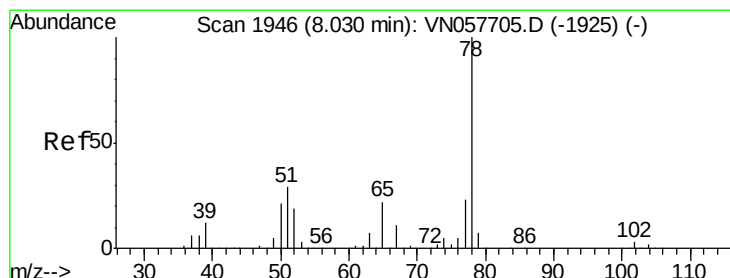
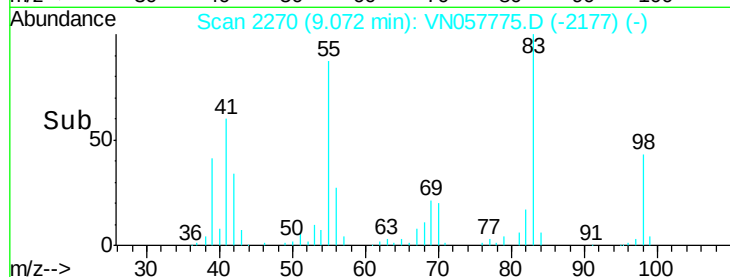
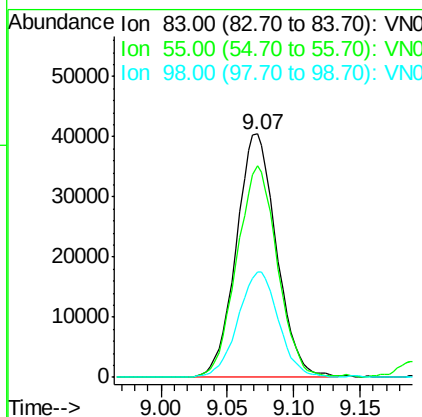
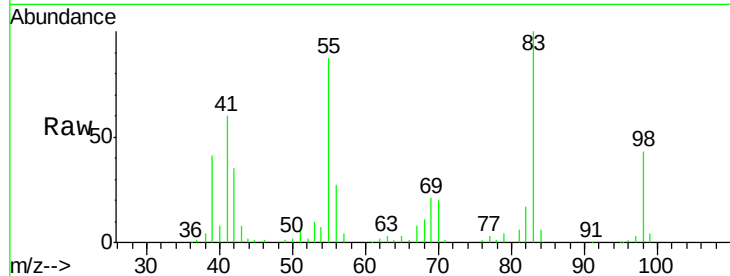
#39
Methylvlcyclohexane
Concen: 19.048 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion	83	Resp	85279
Ion	Ratio	Lower	Upper
83	100		
55	86.9	71.4	107.0
98	43.0	35.3	52.9

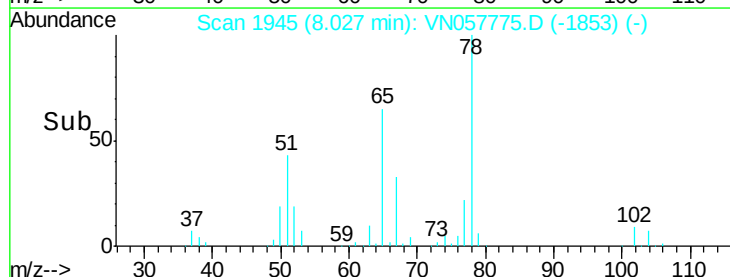
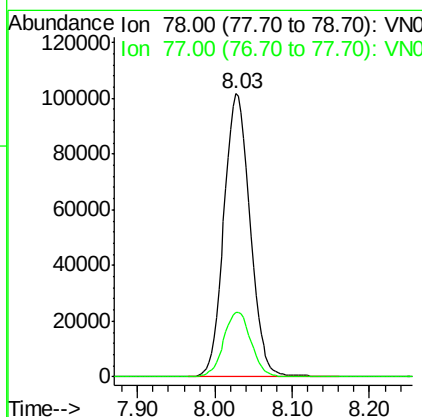
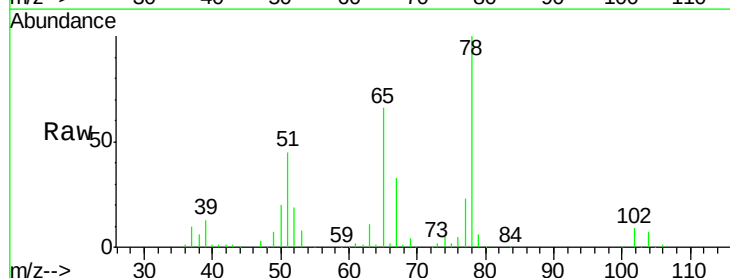
Manual Integrations
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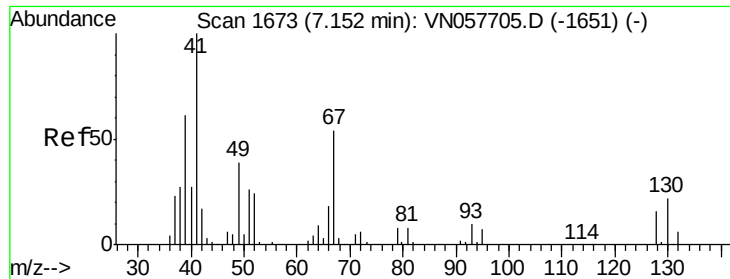
MMDadoda
9/10/2019 3:02:50 PM



#40
Benzene
Concen: 19.962 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion	78	Resp	238987
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	28.0





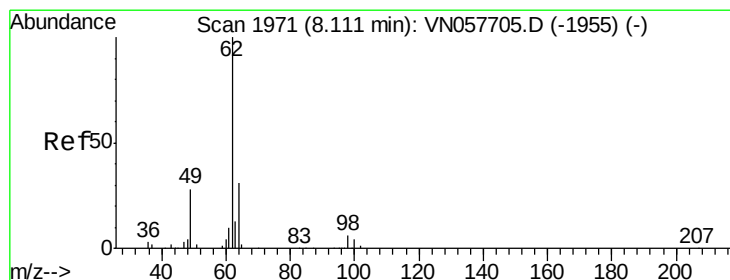
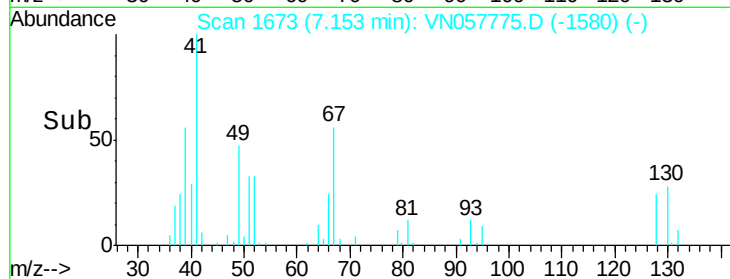
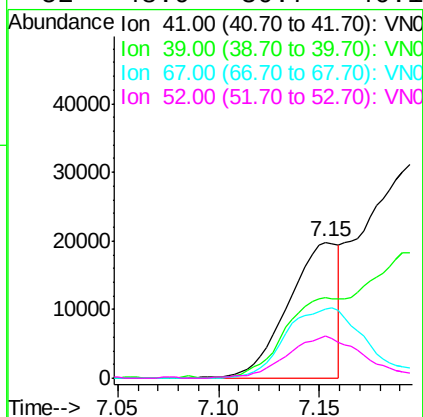
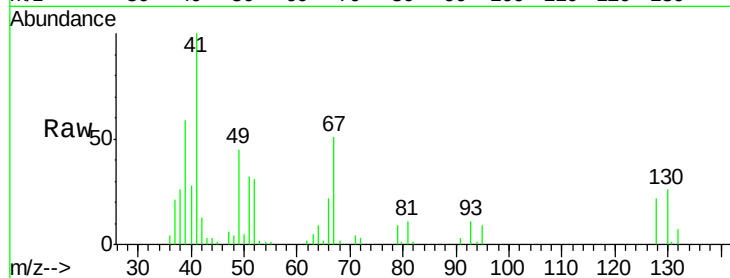
#41
Methacrylonitrile
Concen: 16.622 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion	41	Resp	34142
Ion Ratio	Lower	Upper	
41	100		
39	63.4	43.6	65.4
67	84.9	59.8	89.6
52	48.9	30.7	46.1#

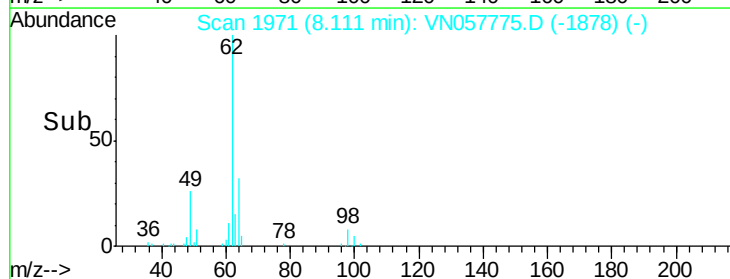
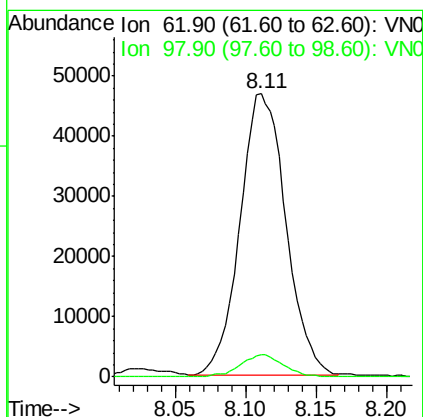
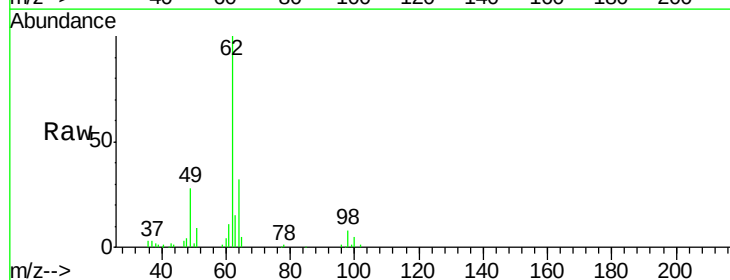
Manual Integrations
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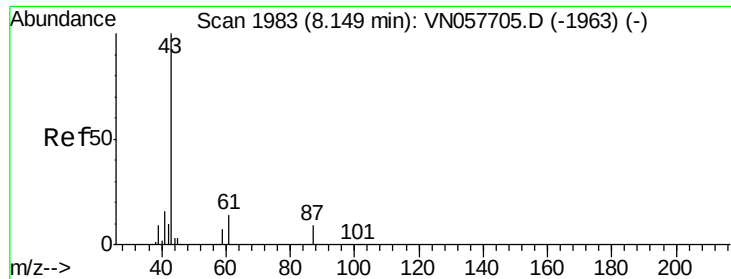
MMDadoda
9/10/2019 3:02:50 PM



#42
1,2-Dichloroethane
Concen: 19.001 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion	62	Resp	106631
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	12.6





#43

Isopropyl Acetate

Concen: 18.926 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

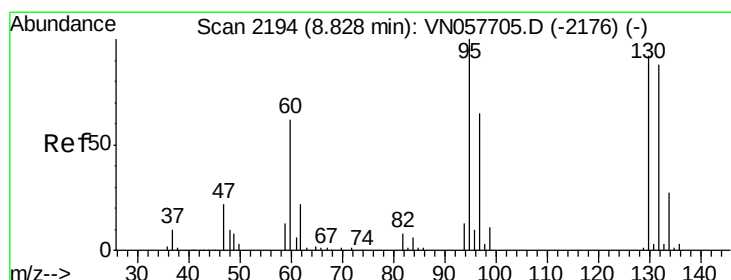
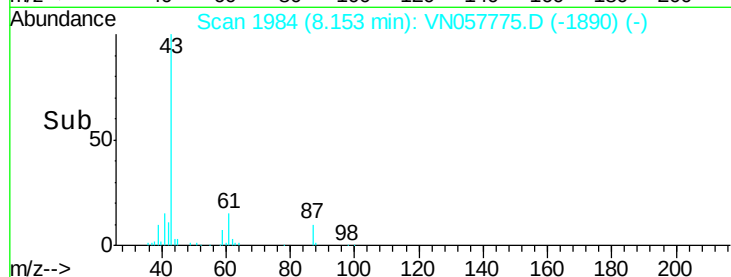
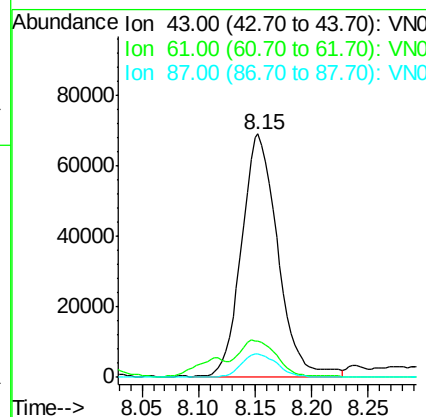
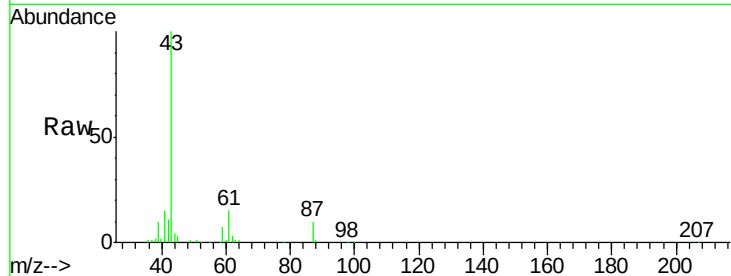
ClientSampleId :

VN0907WBS02

Tot Ion:	43	Resp:	152652
Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.8	19.2
87	9.9	7.8	11.8

Manual Integrations
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MMDadoda
9/10/2019 3:02:50 PM



#44

Trichloroethene

Concen: 21.656 ug/l

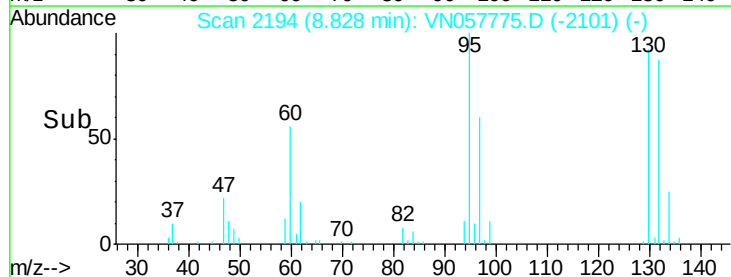
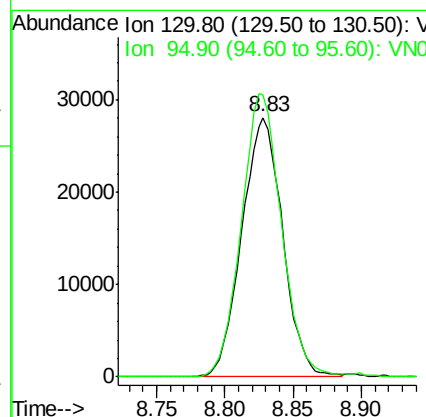
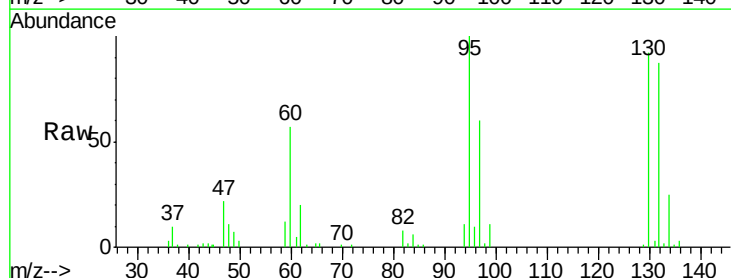
RT: 8.83 min Scan# 2194

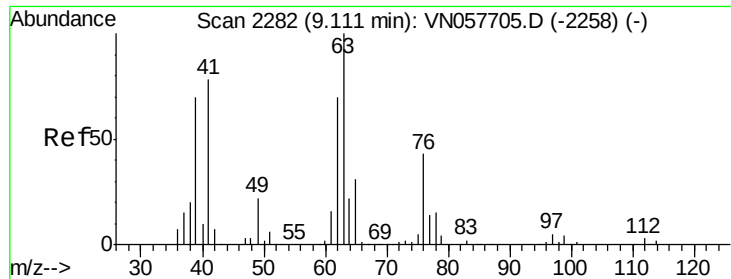
Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	130	Resp:	58272
Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	217.8





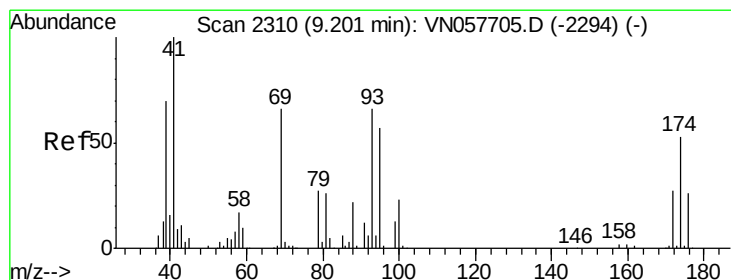
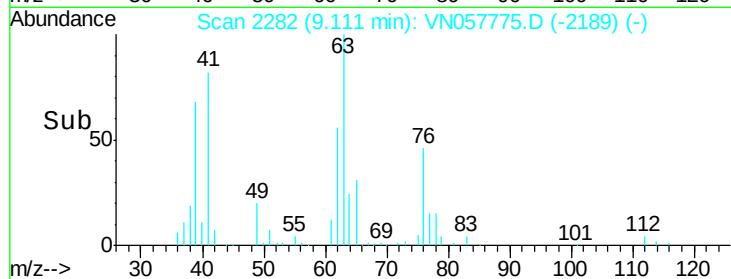
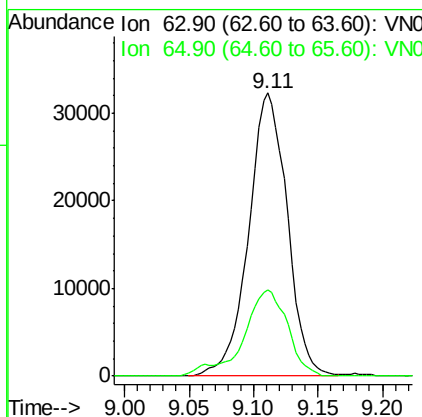
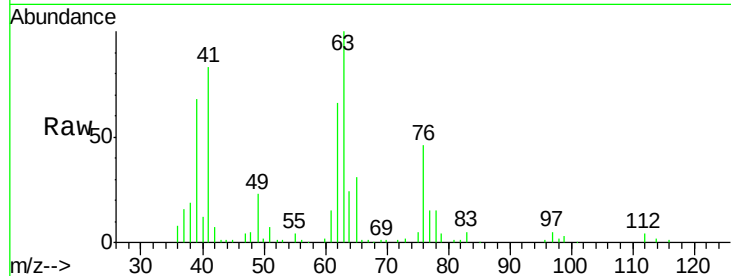
#45
 1,2-Dichloropropane
 Concen: 20.118 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion: 63 Resp: 67361
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.5 36.7

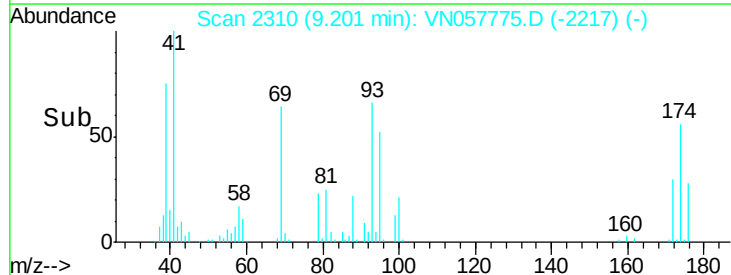
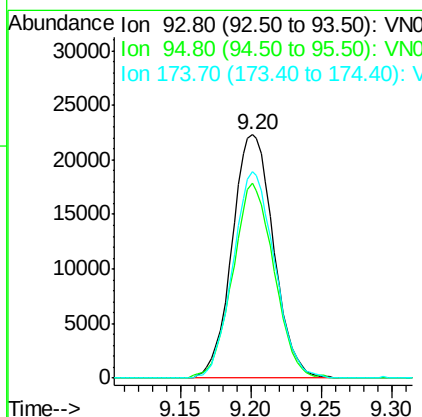
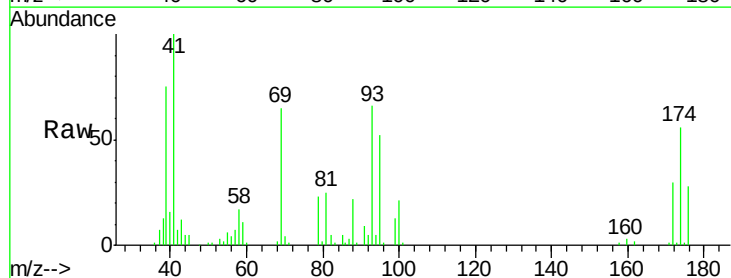
Manual Integrations
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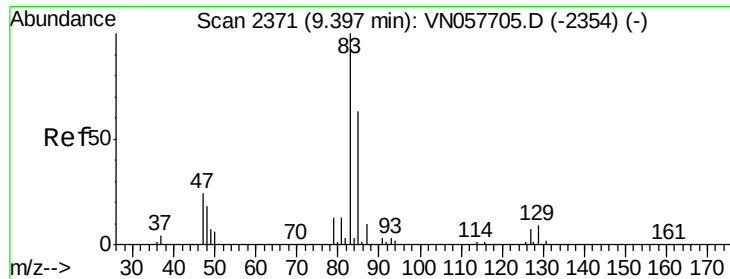
MMDadoda
 9/10/2019 3:02:50 PM



#46
 Dibromomethane
 Concen: 21.333 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion: 93 Resp: 45819
 Ion Ratio Lower Upper
 93 100
 95 79.6 66.1 99.1
 174 85.3 63.4 95.2





#47

Bromodichloromethane

Concen: 19.108 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 83 Resp: 87222

Ion Ratio Lower Upper

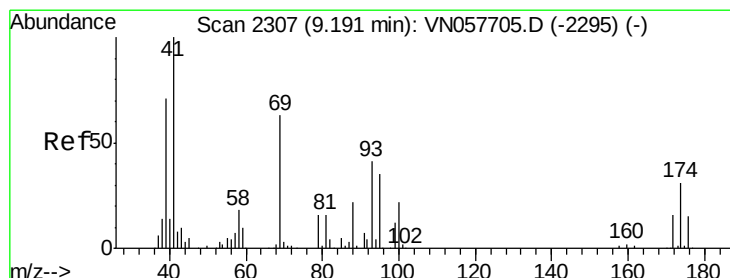
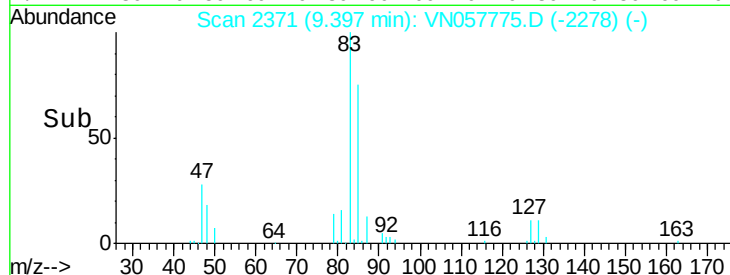
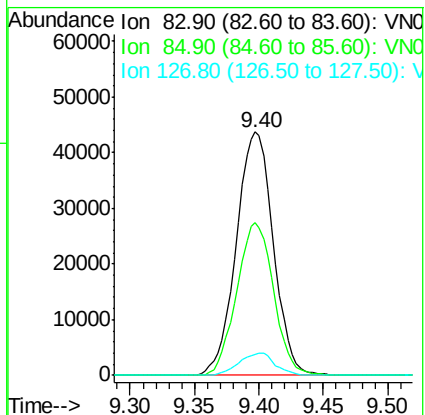
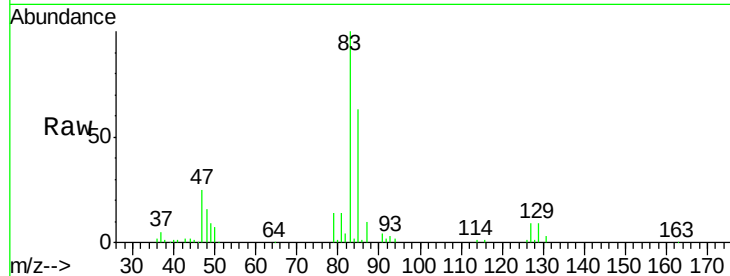
83 100

85 62.6 50.7 76.1

127 8.8 5.6 8.4

Manual Integrations
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MMDadoda
9/10/2019 3:02:50 PM



#48

Methyl methacrylate

Concen: 18.667 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

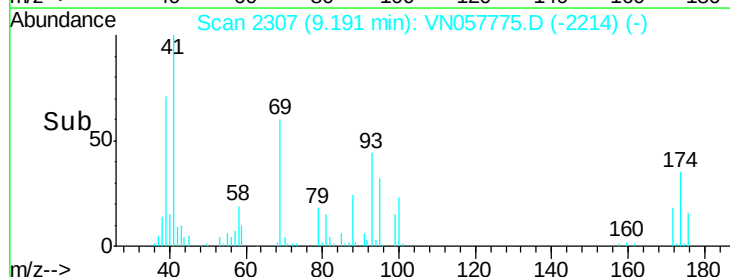
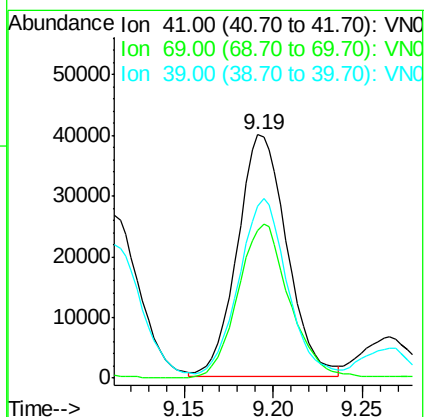
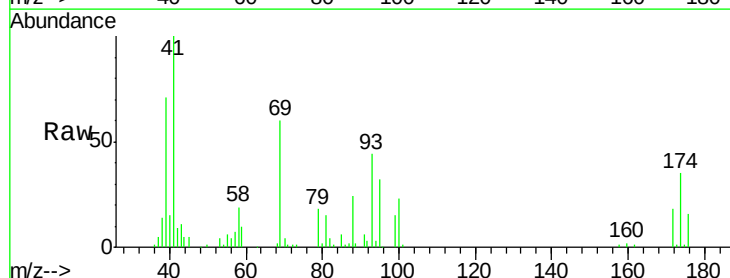
Tgt Ion: 41 Resp: 77434

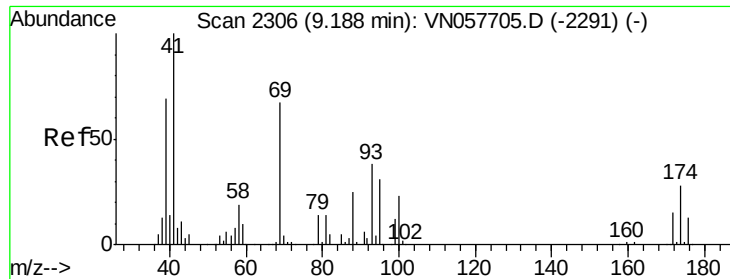
Ion Ratio Lower Upper

41 100

69 66.2 51.2 76.8

39 72.1 57.3 85.9





#49

1,4-Dioxane

Concen: 403.566 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

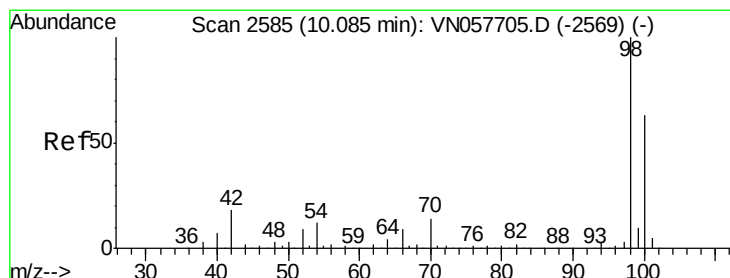
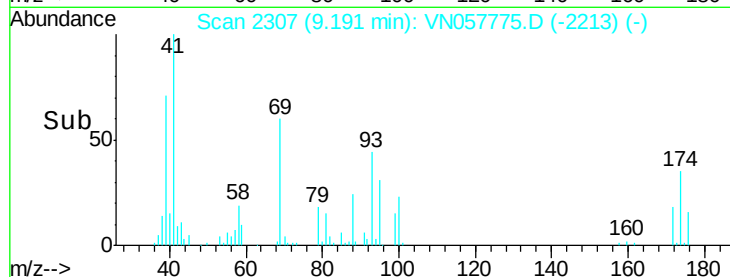
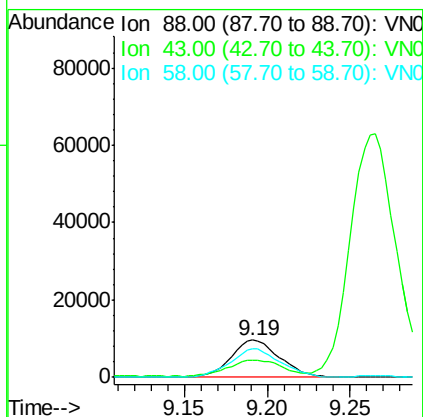
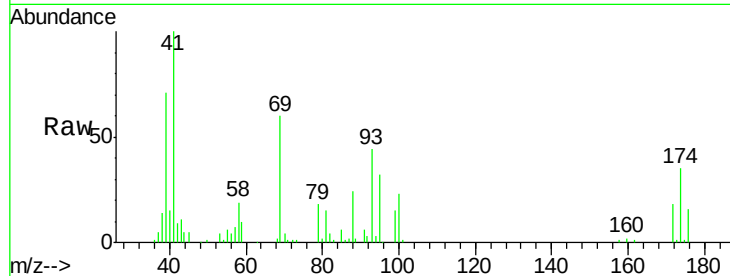
ClientSampleId :

VN0907WBS02

Tot Ion:	88	Resp:	19478
Ion	Ratio	Lower	Upper
88	100		
43	47.7	35.4	53.2
58	79.4	61.5	92.3

Manual Integrations
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#50

Toluene-d8

Concen: 54.175 ug/l

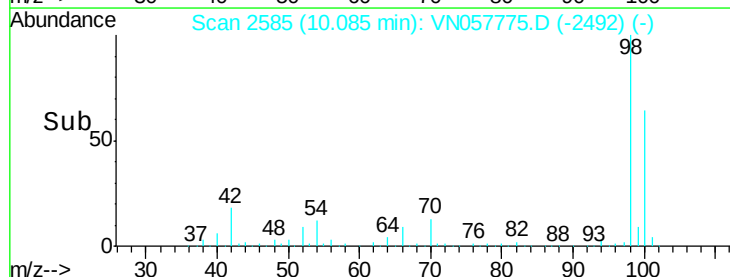
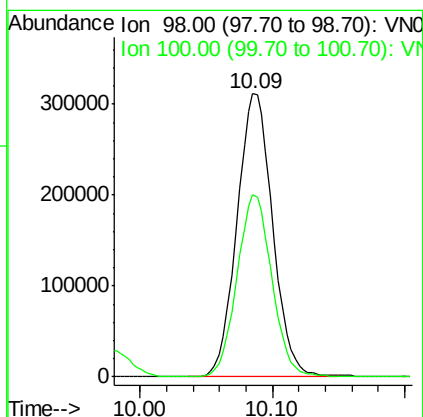
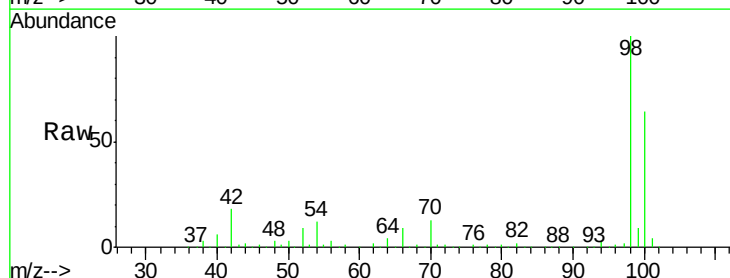
RT: 10.09 min Scan# 2585

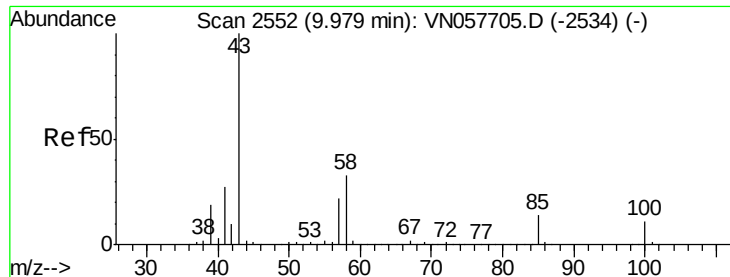
Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	98	Resp:	580781
Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 103.203 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 43 Resp: 462282

Ion Ratio Lower Upper

43 100

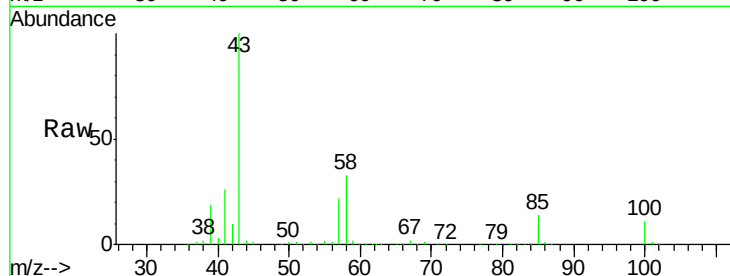
58 32.9 25.8 38.8

Manual Integrations

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MMDadoda

9/10/2019 3:02:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

150000

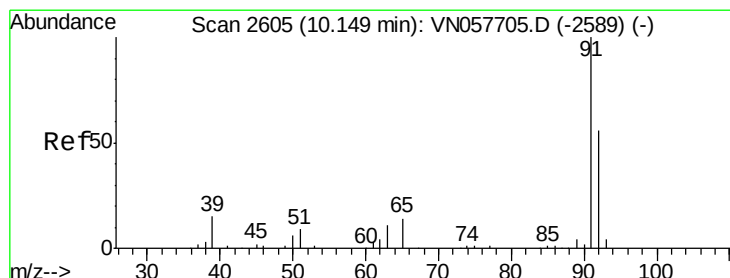
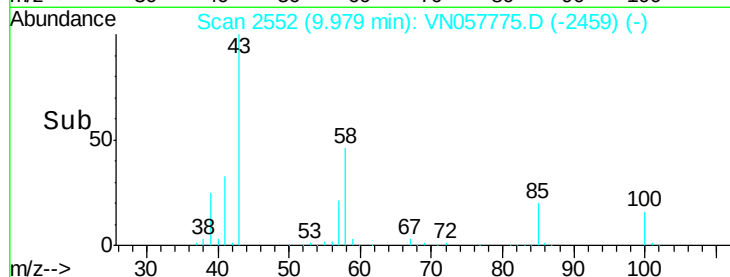
100000

50000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 20.299 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057775.D

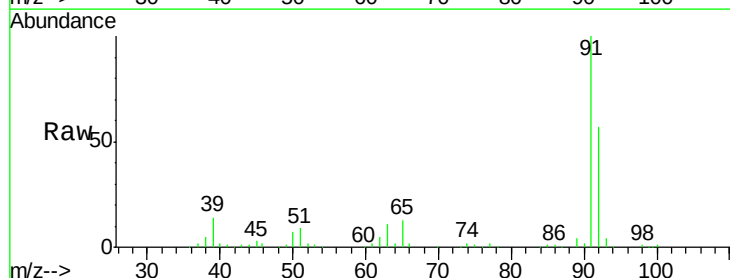
Acq: 8 Sep 2019 00:17

Tgt Ion: 92 Resp: 147295

Ion Ratio Lower Upper

92 100

91 177.8 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

150000

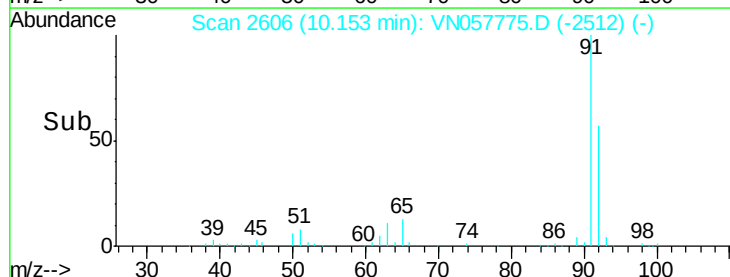
100000

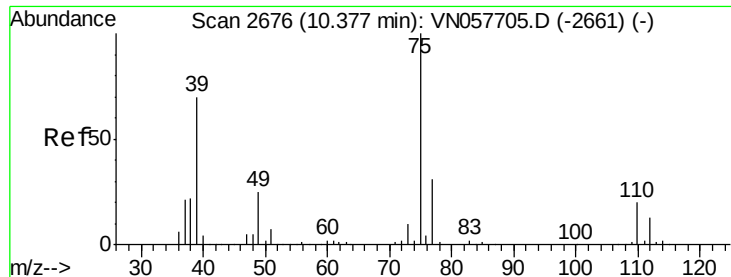
50000

0

10.10 10.20

Time-->





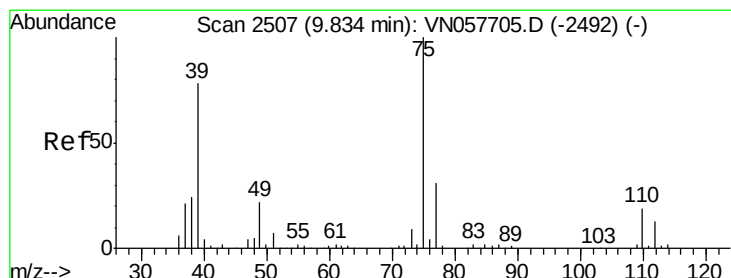
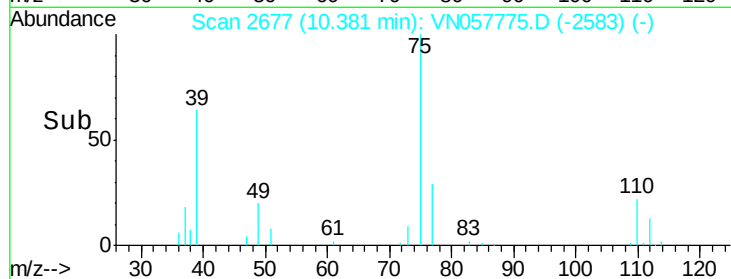
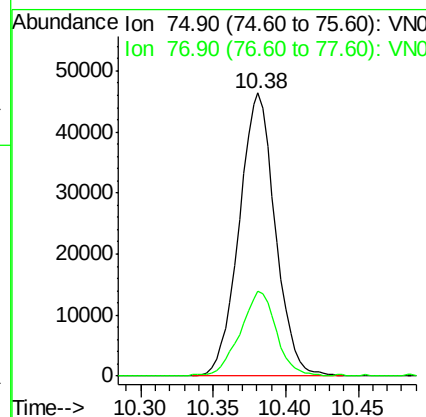
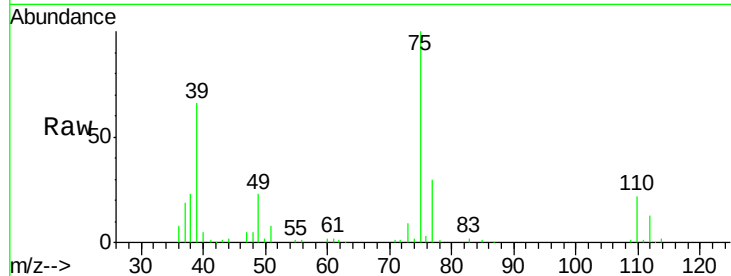
#53
t-1,3-Dichloropropene
Concen: 17.487 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampled :
VN0907WBS02

Tot Ion: 75 Resp: 80082
Ion Ratio Lower Upper
75 100
77 29.4 25.1 37.7

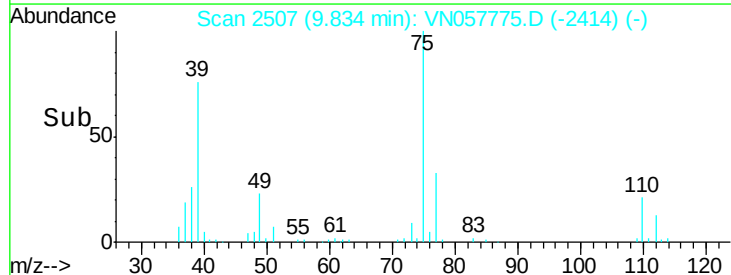
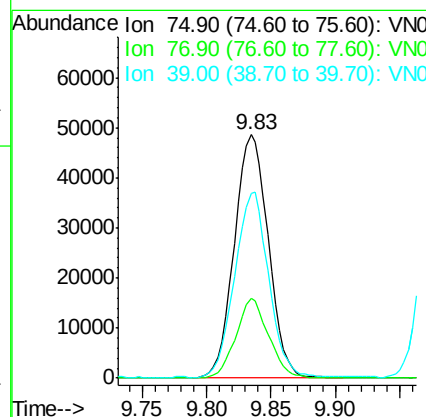
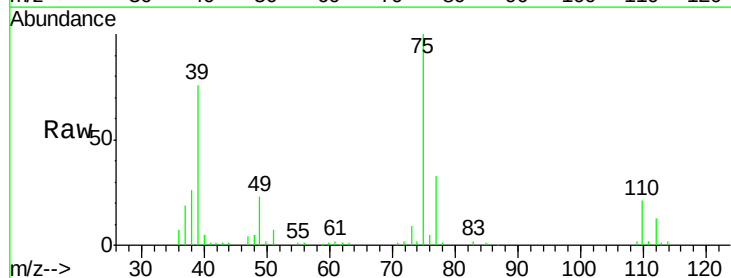
Manual Integrations
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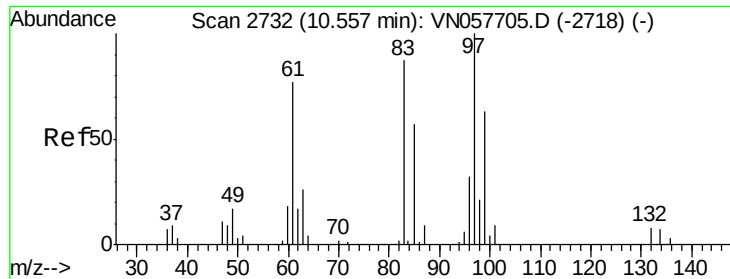
MMDadoda
9/10/2019 3:02:50 PM



#54
cis-1,3-Dichloropropene
Concen: 17.999 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion: 75 Resp: 89055
Ion Ratio Lower Upper
75 100
77 33.0 25.1 37.7
39 76.0 62.4 93.6





#55

1,1,2-Trichloroethane

Concen: 20.767 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

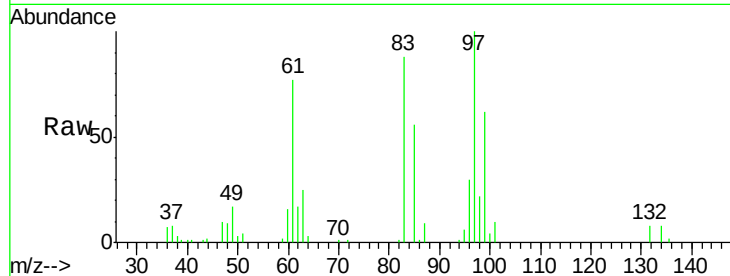
ClientSampleId :

VN0907WBS02

Tot Ion:	97	Resp:	60642
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.5	104.3
85	55.6	45.7	68.5
99	62.5	50.2	75.4

Manual Integrations
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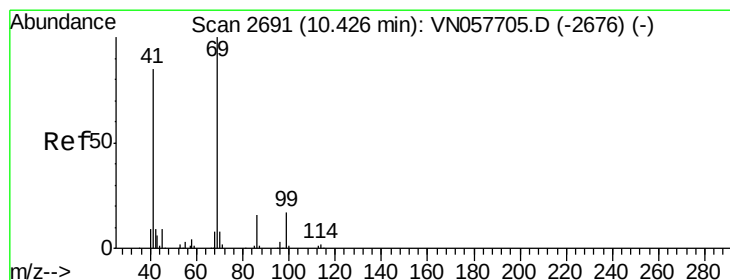
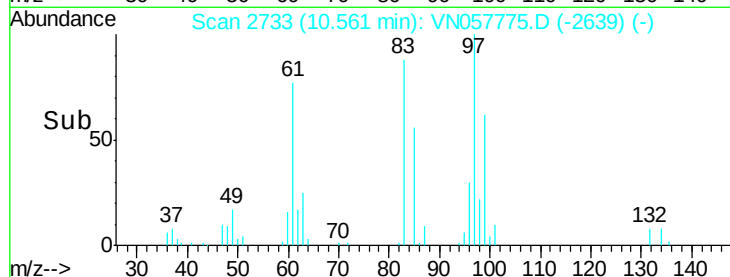
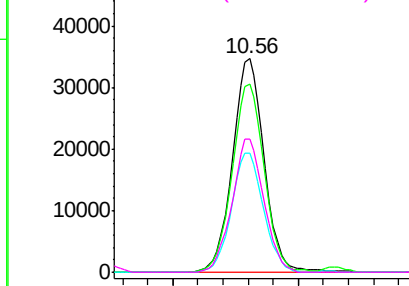
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.899 ug/l

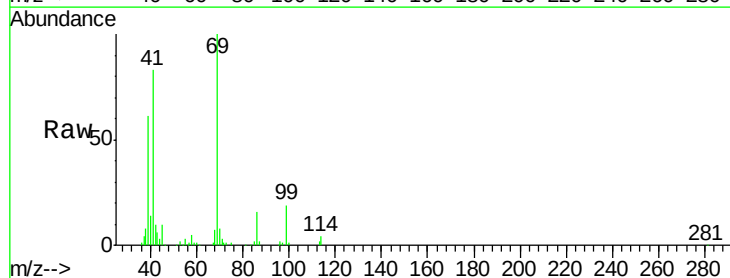
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	69	Resp:	92750
Ion	Ratio	Lower	Upper
69	100		
41	83.2	69.0	103.4
39	58.8	49.2	73.8

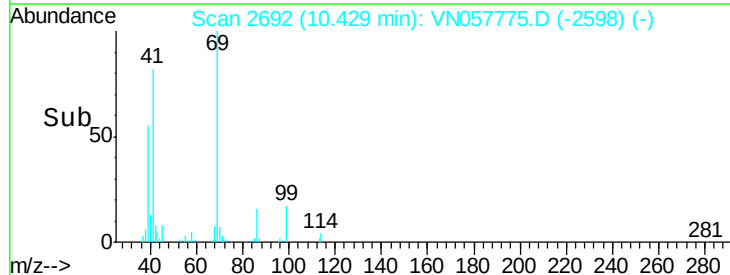
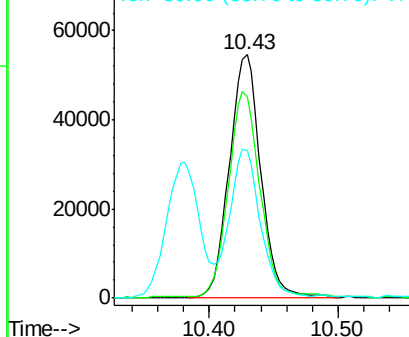


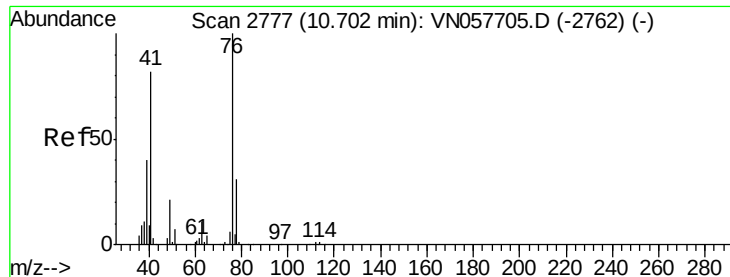
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.369 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 76 Resp: 106844

Ion Ratio Lower Upper

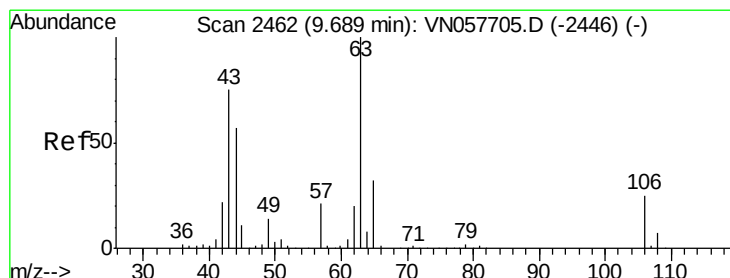
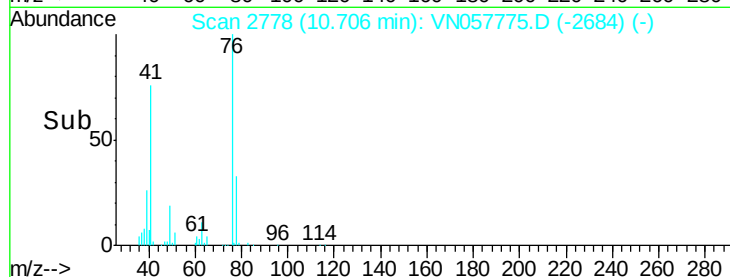
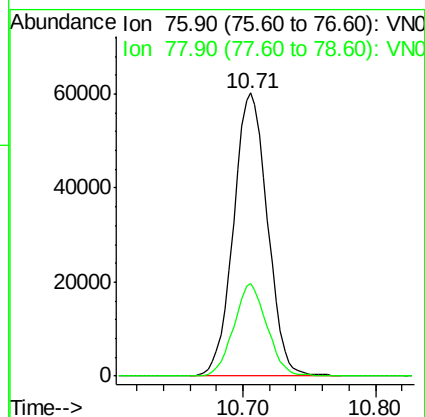
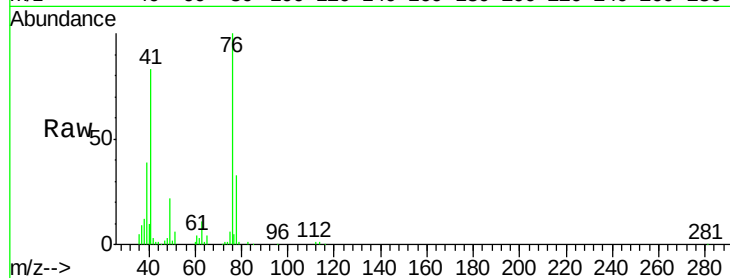
76 100

78 32.0 25.5 38.3

Manual Integrations
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9/10/2019 3:02:50 PM



#58

2-Chloroethyl Vinyl ether

Concen: 99.930 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057775.D

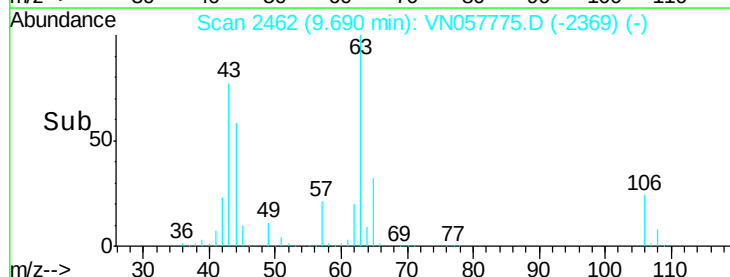
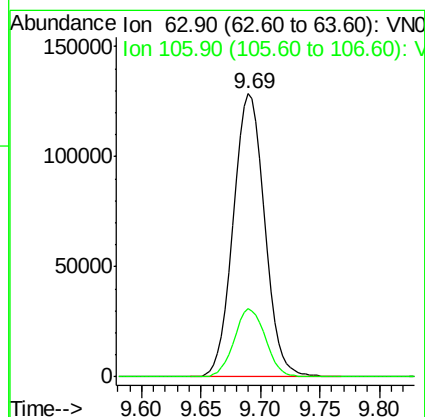
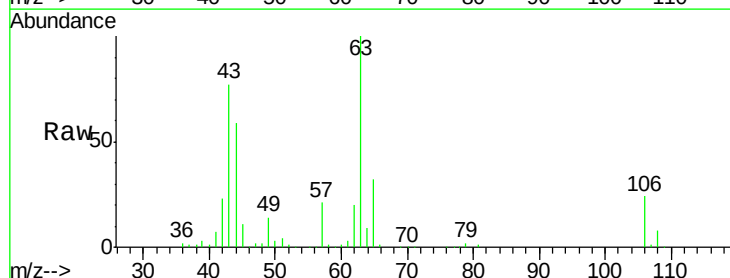
Acq: 8 Sep 2019 00:17

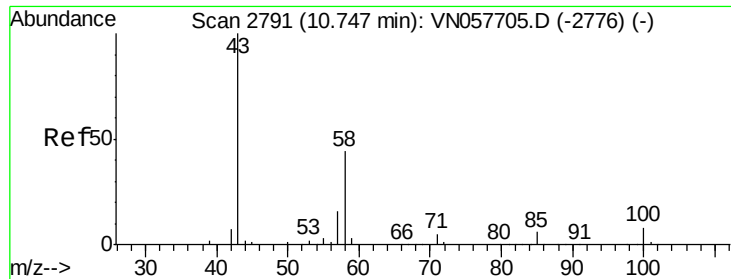
Tgt Ion: 63 Resp: 236302

Ion Ratio Lower Upper

63 100

106 23.9 19.4 29.2





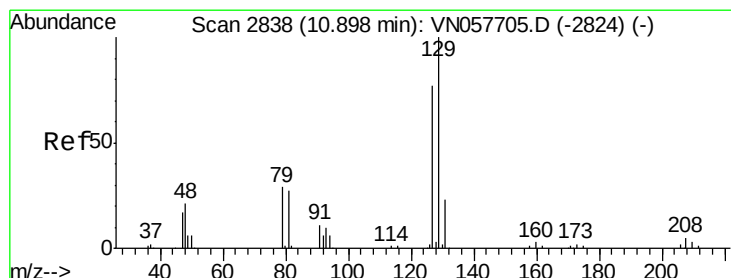
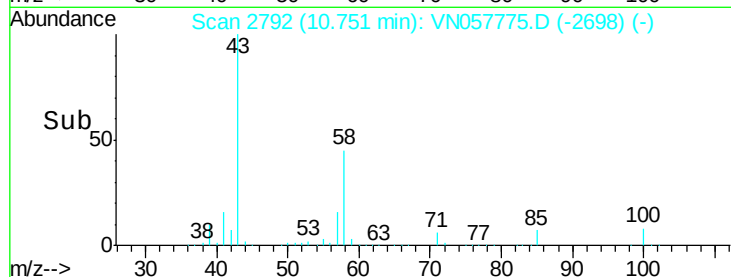
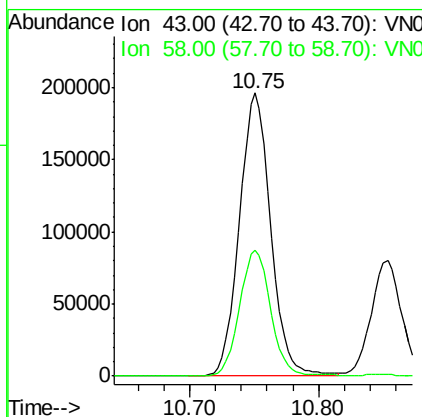
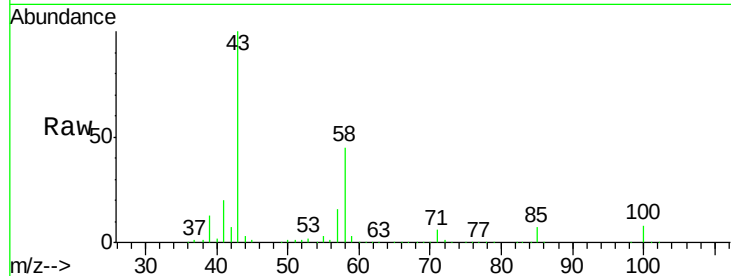
#59
2-Hexanone
Concen: 104.446 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion: 43 Resp: 329910
Ion Ratio Lower Upper
43 100
58 44.4 22.1 66.5

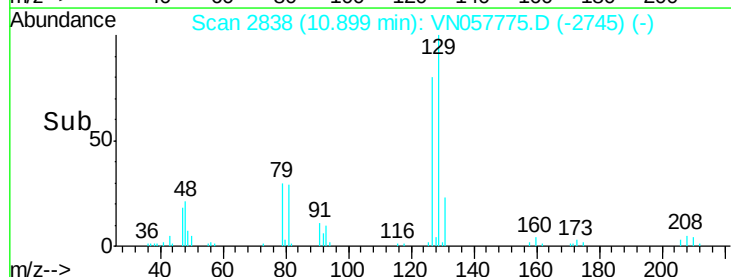
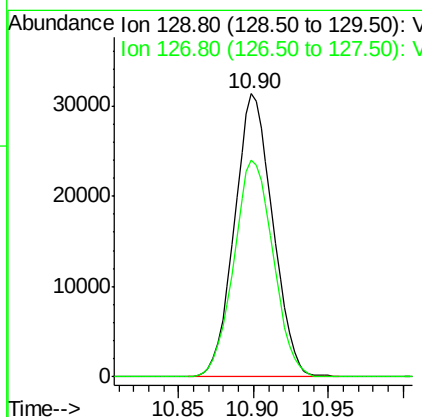
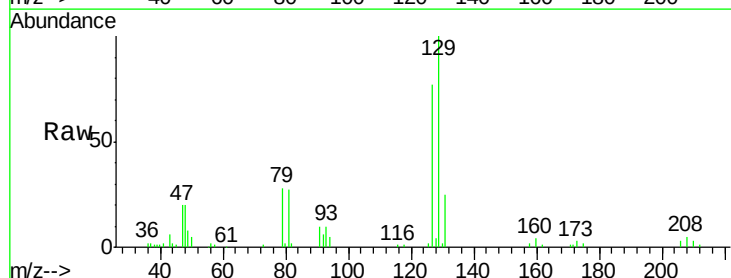
Manual Integrations
APPROVED

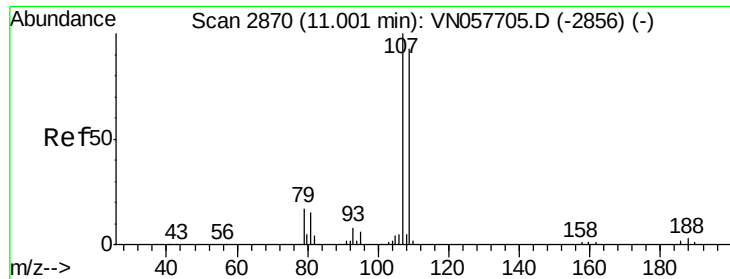
MMDadoda
9/10/2019 3:02:50 PM



#60
Dibromochloromethane
Concen: 18.882 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion: 129 Resp: 55684
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2





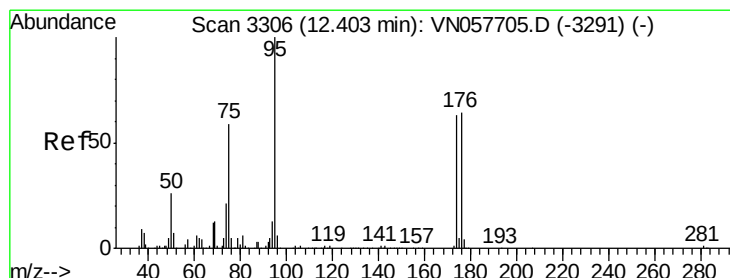
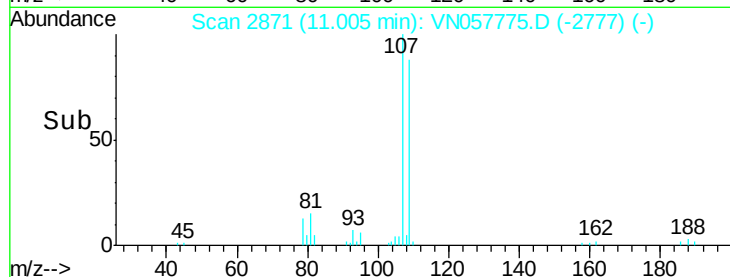
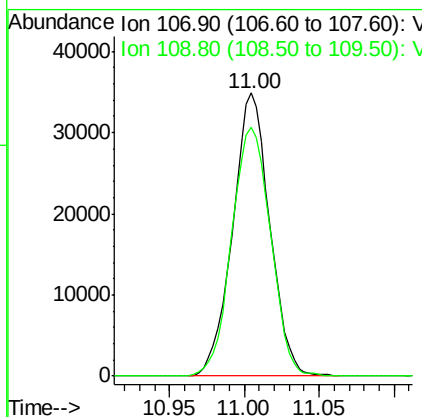
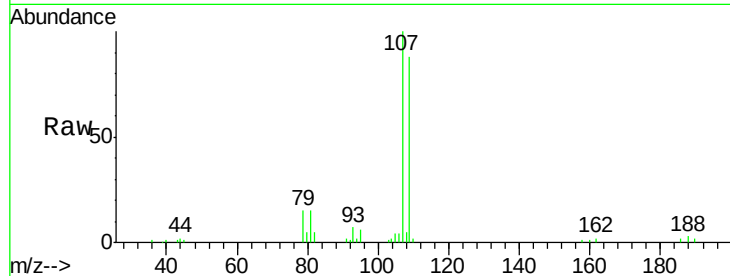
#61
 1,2-Dibromoethane
 Concen: 21.464 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.6	112.0

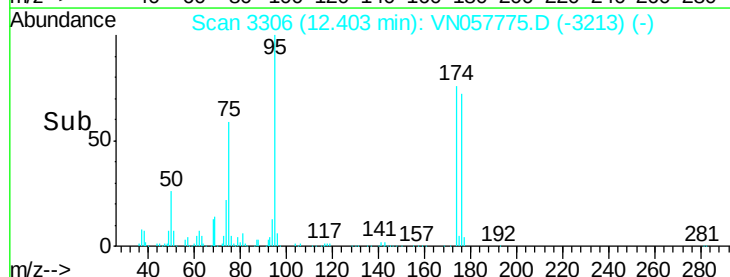
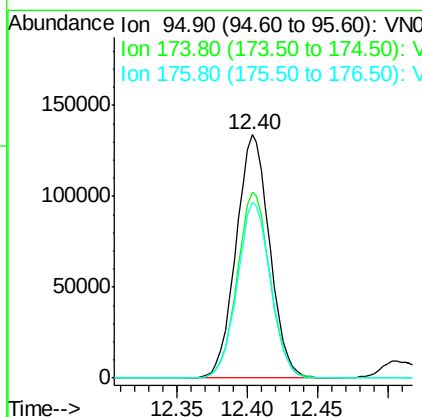
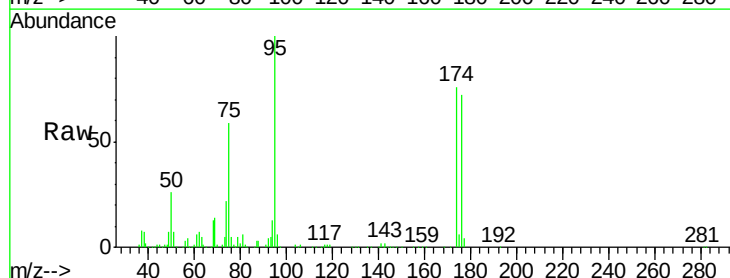
Manual Integrations
 APPROVED

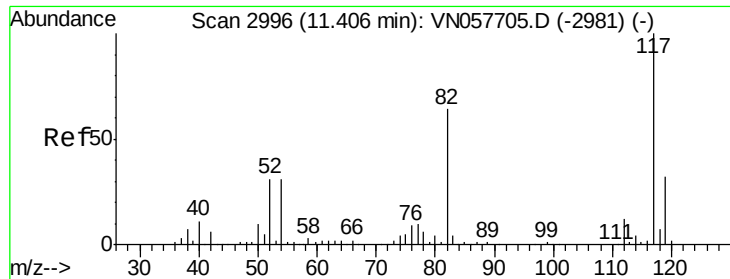
MMDadoda
 9/10/2019 3:02:50 PM



#62
 4-Bromofluorobenzene
 Concen: 50.089 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	128.0
176	71.8	0.0	128.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion:117 Resp: 300238

Ion Ratio Lower Upper

117 100

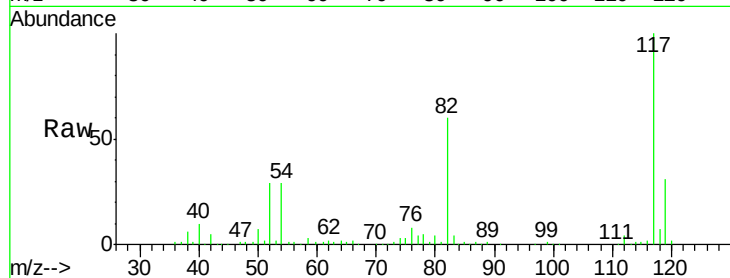
82 59.9 51.4 77.0

119 30.5 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

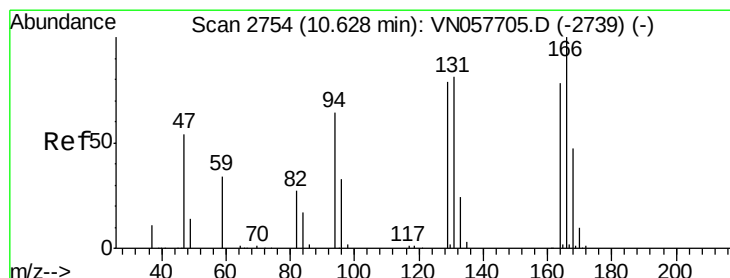
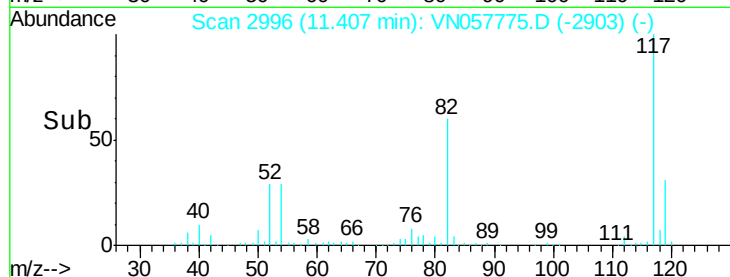
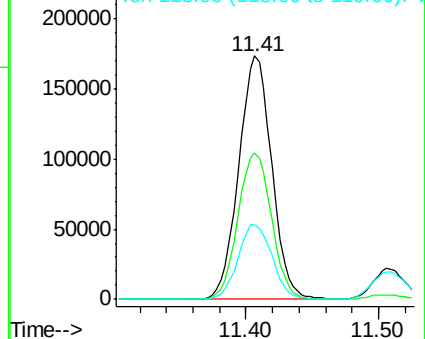
9/10/2019 3:02:50 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.300 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:164 Resp: 49857

Ion Ratio Lower Upper

164 100

166 130.4 103.0 154.6

129 96.1 81.1 121.7

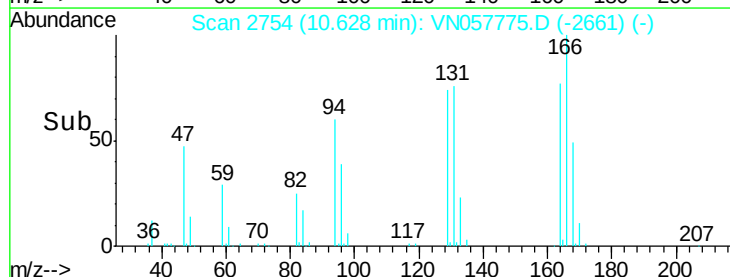
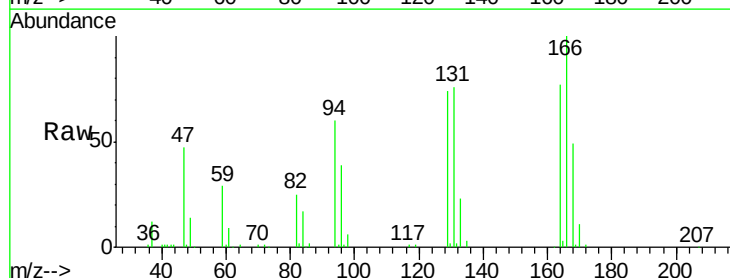
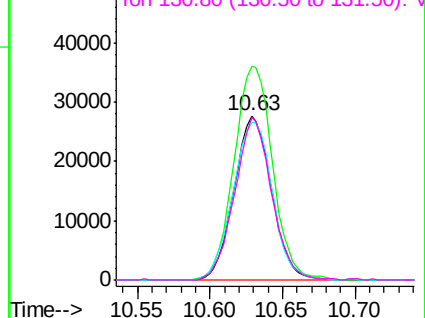
131 99.0 83.2 124.8

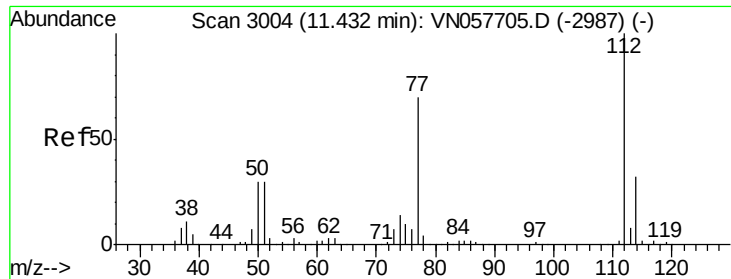
Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.003 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampled :

VN0907WBS02

Tot Ion:112 Resp: 156666

Ion Ratio Lower Upper

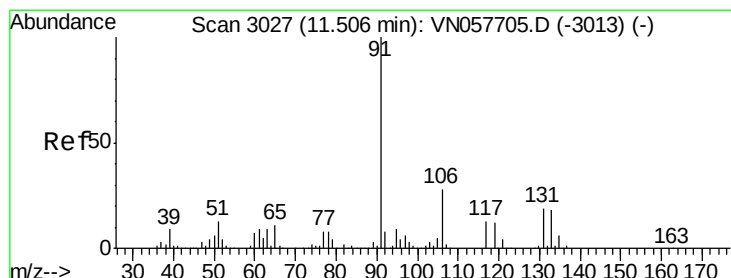
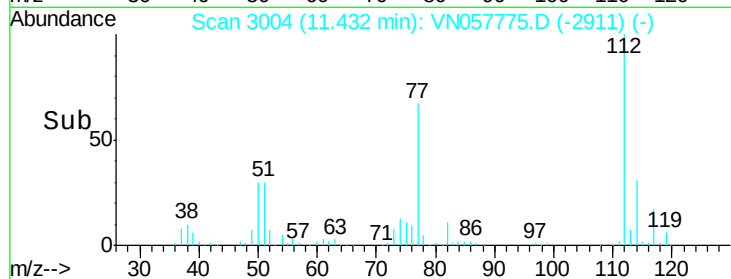
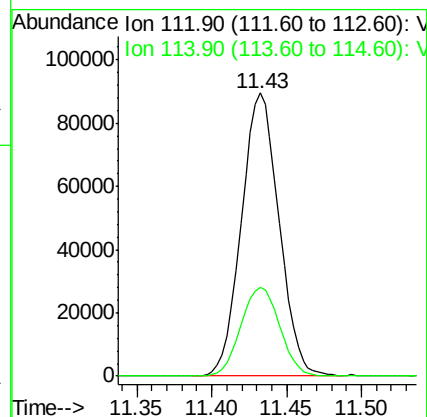
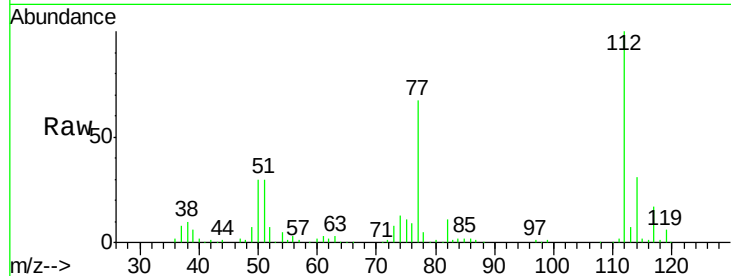
112 100

114 31.3 25.8 38.8

Manual Integrations
APPROVED

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9/10/2019 3:02:50 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.754 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

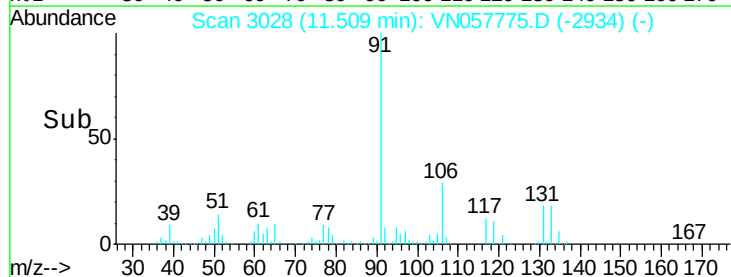
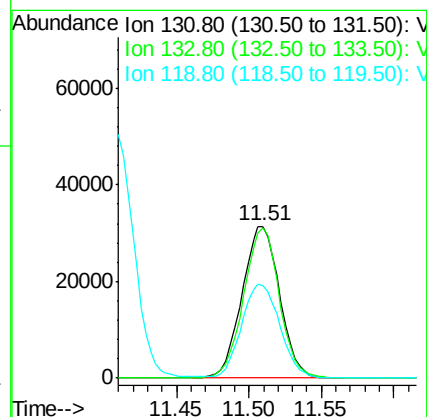
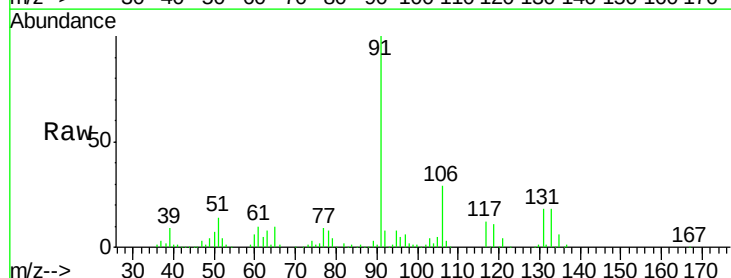
Tgt Ion:131 Resp: 56558

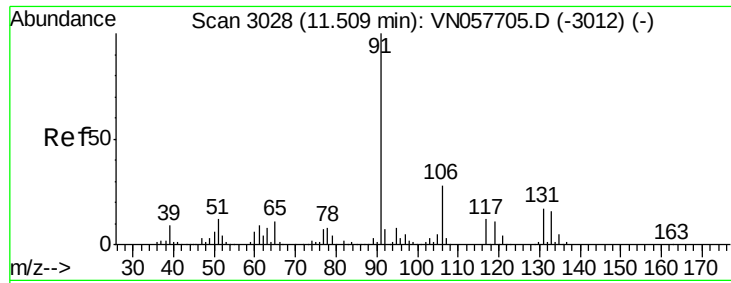
Ion Ratio Lower Upper

131 100

133 93.9 47.6 142.9

119 62.9 32.8 98.3





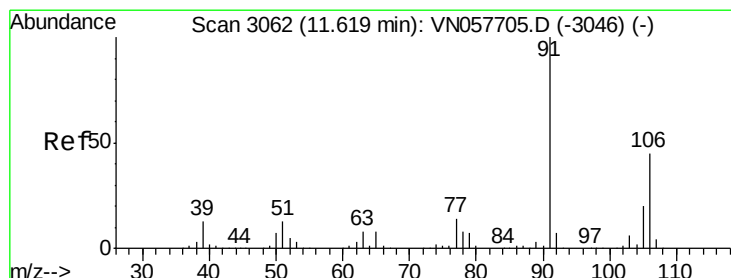
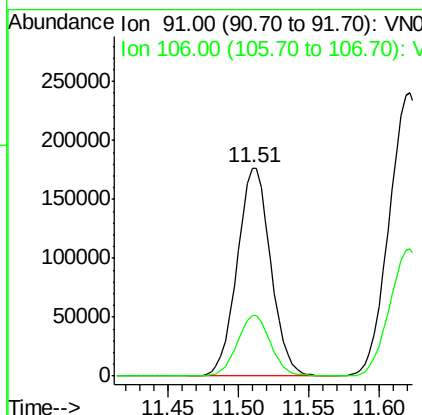
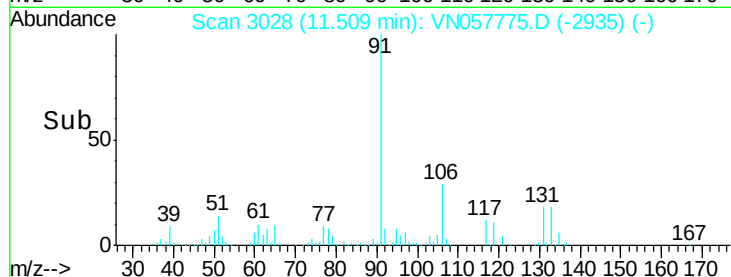
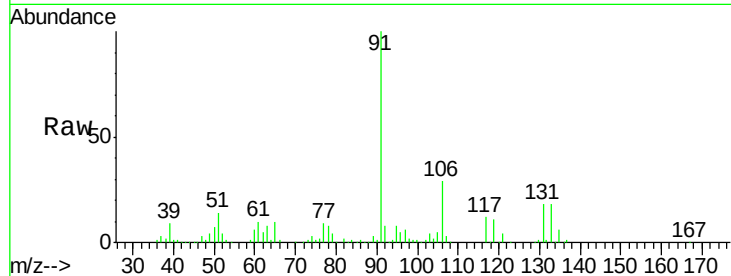
#67
Ethyl Benzene
Concen: 19.556 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampled :
VN0907WBS02

Tot Ion: 91 Resp: 295507
Ion Ratio Lower Upper
91 100
106 28.9 22.8 34.2

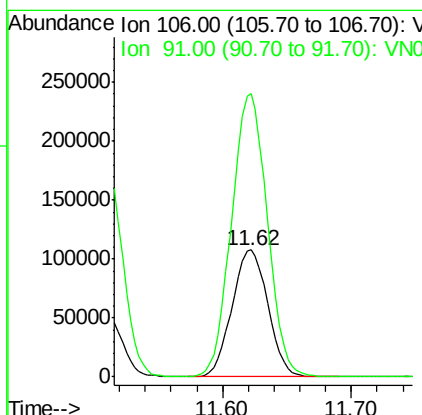
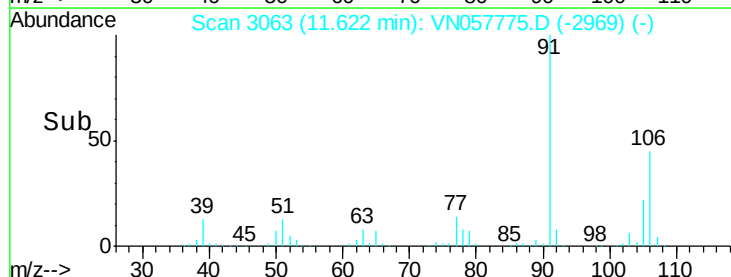
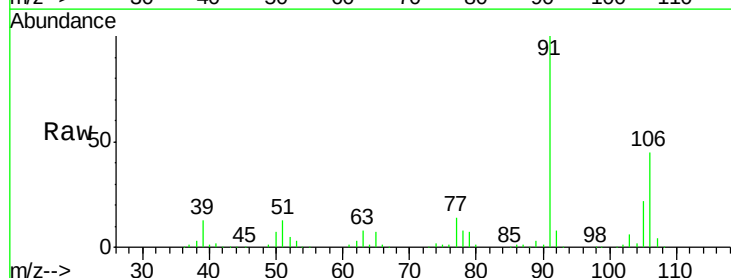
Manual Integrations
APPROVED

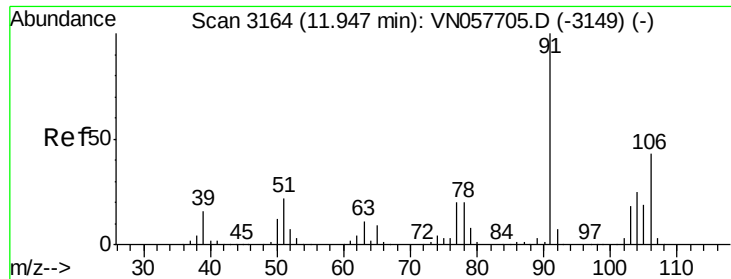
MMDadoda
9/10/2019 3:02:50 PM



#68
m/p-Xylenes
Concen: 40.076 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion: 106 Resp: 208581
Ion Ratio Lower Upper
106 100
91 222.3 179.8 269.8





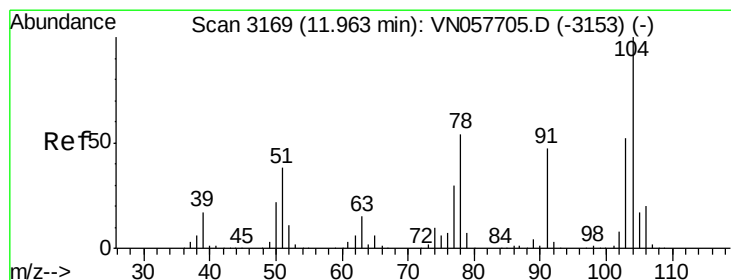
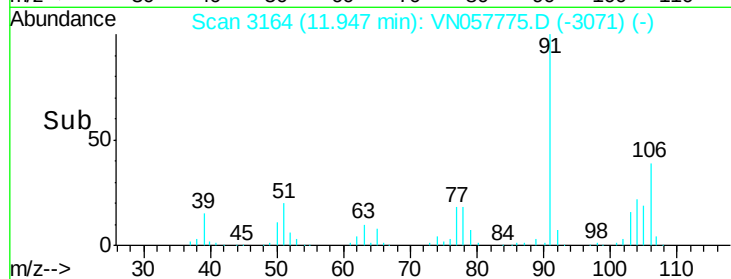
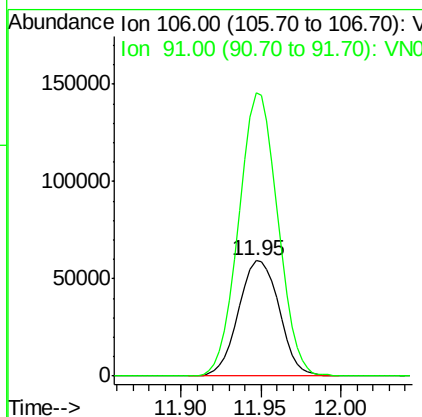
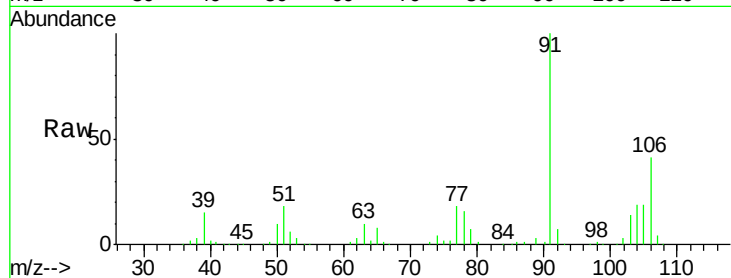
#69
o-Xylene
Concen: 20.050 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion:106 Resp: 103329
Ion Ratio Lower Upper
106 100
91 234.6 116.8 350.4

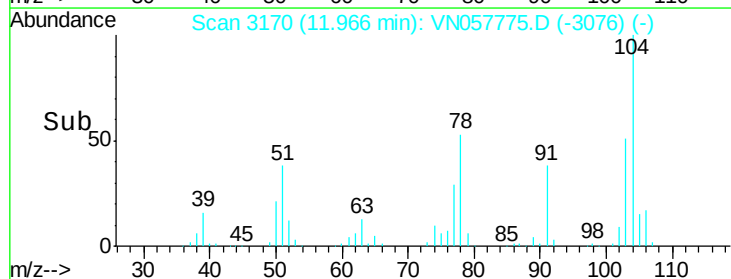
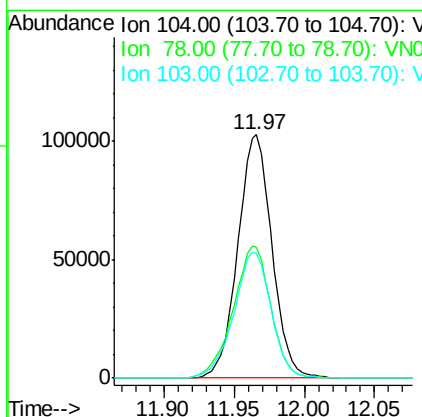
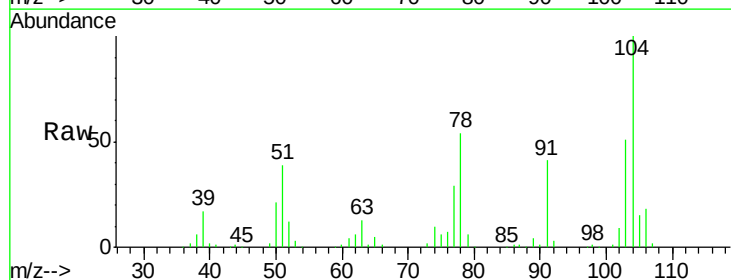
Manual Integrations
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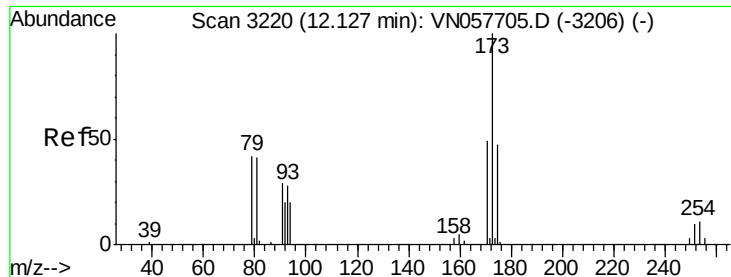
MMDadoda
9/10/2019 3:02:50 PM



#70
Styrene
Concen: 19.570 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion:104 Resp: 174508
Ion Ratio Lower Upper
104 100
78 59.7 48.5 72.7
103 56.5 45.0 67.4





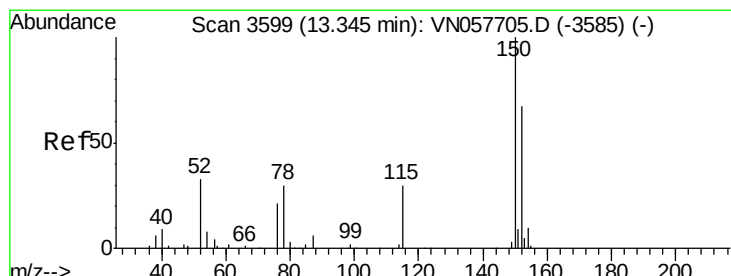
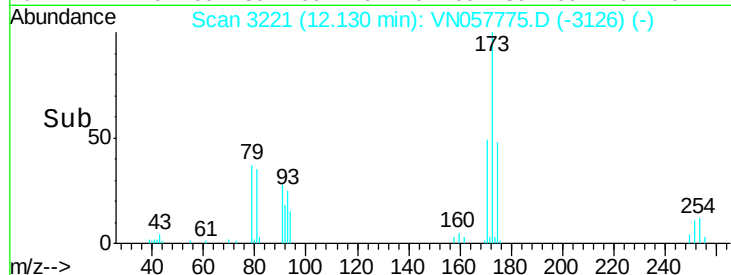
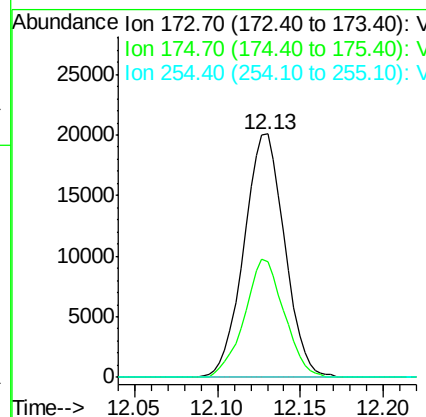
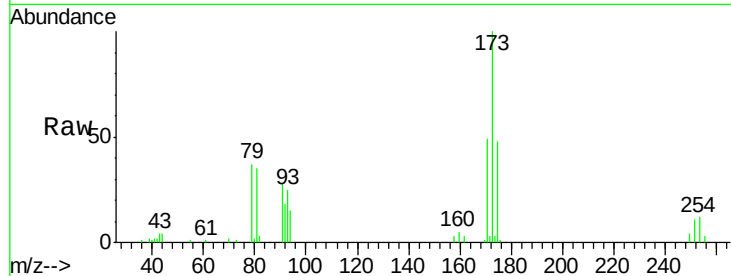
#71
Bromoform
Concen: 18.995 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampled :
VN0907WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.8
254	0.0	0.0	0.0

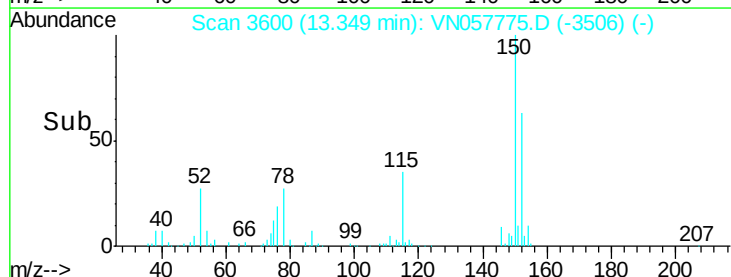
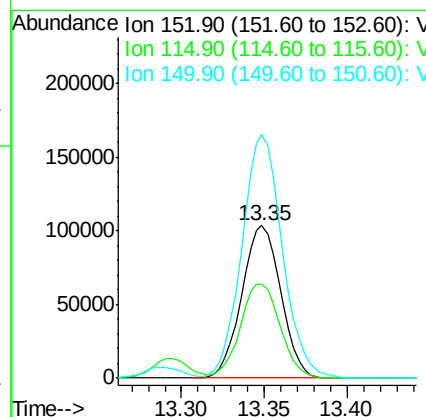
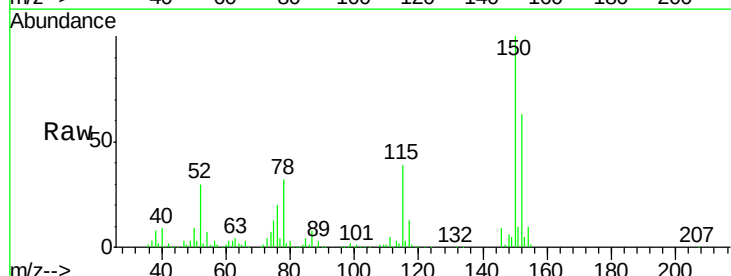
Manual Integrations
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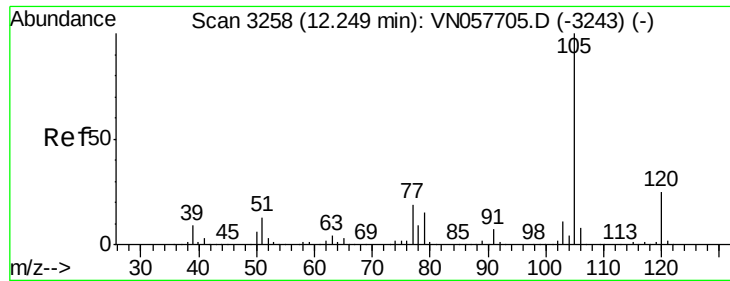
MMDadoda
9/10/2019 3:02:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	33.8	101.3
150	164.4	0.0	345.4





#73

Isopropylbenzene

Concen: 19.415 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 105 Resp: 291526

Ion Ratio Lower Upper

105 100

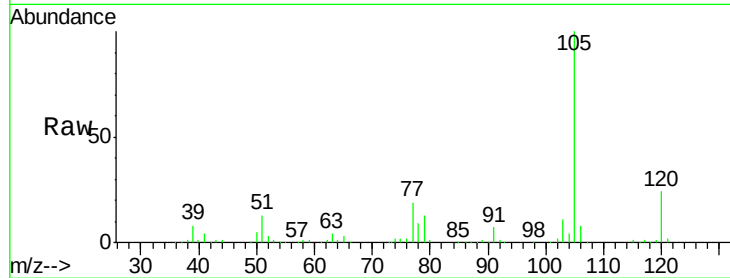
120 25.1 12.2 36.6

Manual Integrations

APPROVED

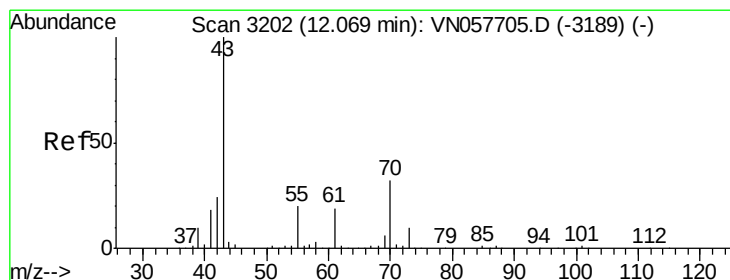
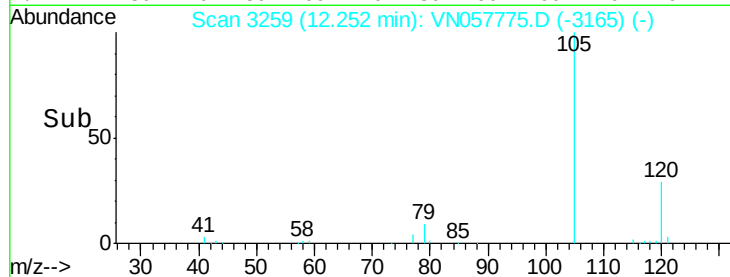
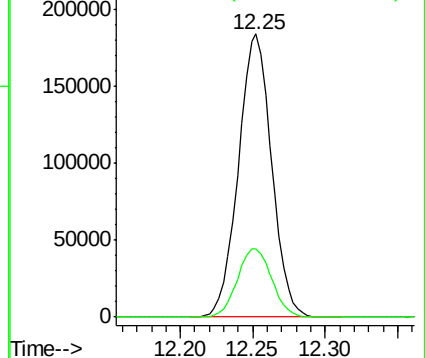
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.635 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion: 43 Resp: 132274

Ion Ratio Lower Upper

43 100

70 32.8 26.1 39.1

55 21.4 16.3 24.5

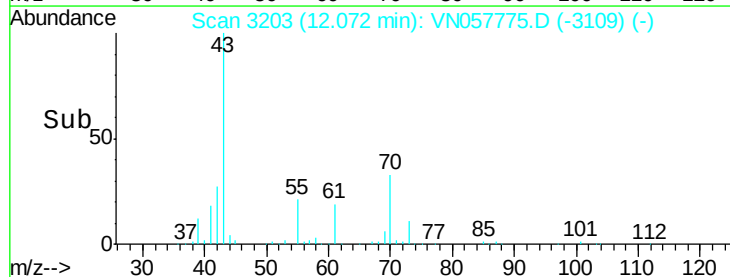
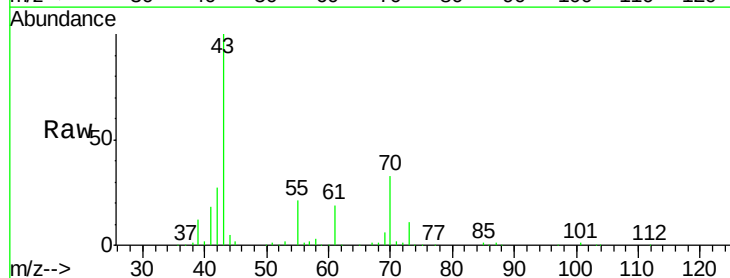
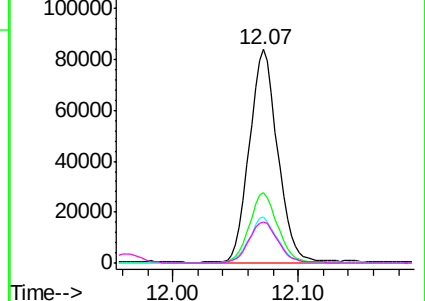
61 19.9 15.0 22.4

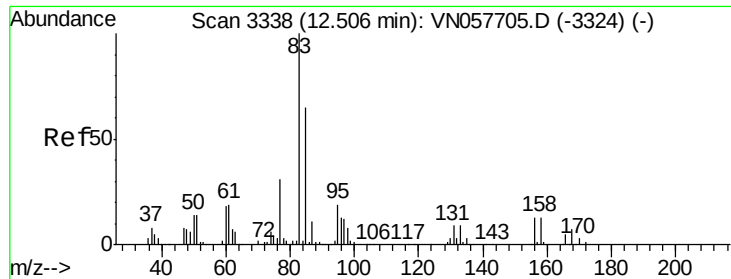
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.701 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

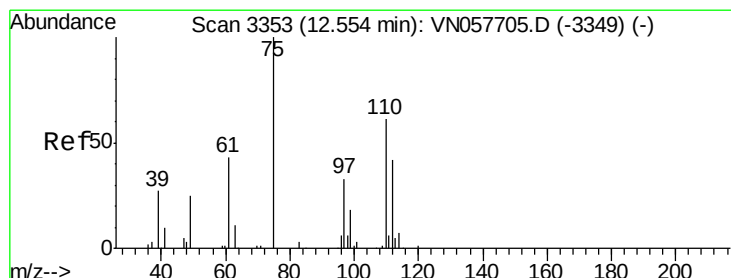
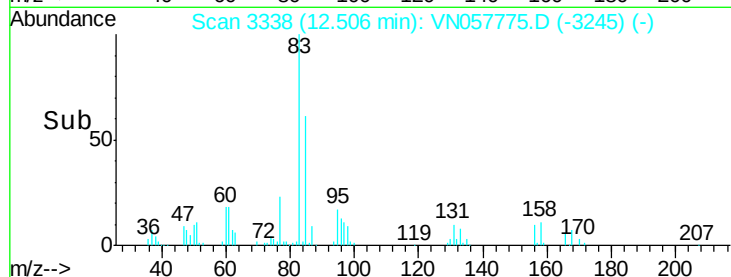
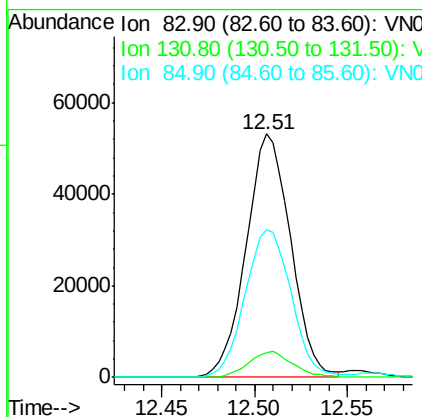
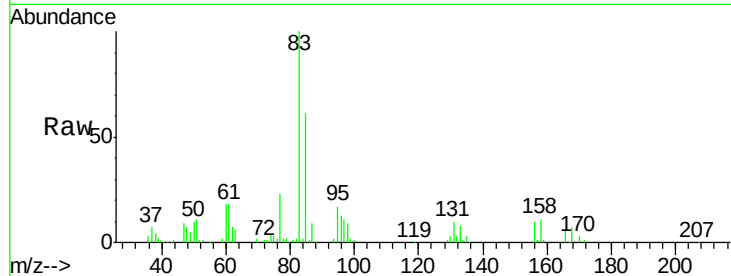
ClientSampleId :

VN0907WBS02

Tot Ion:	83	Resp:	88707
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.5	13.5
85	62.8	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.447 ug/l m

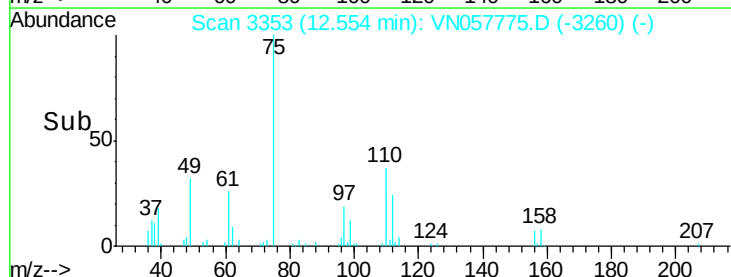
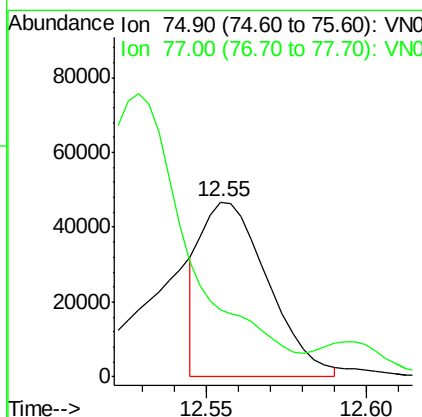
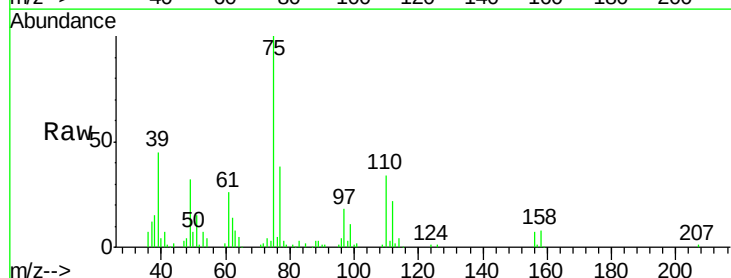
RT: 12.55 min Scan# 3353

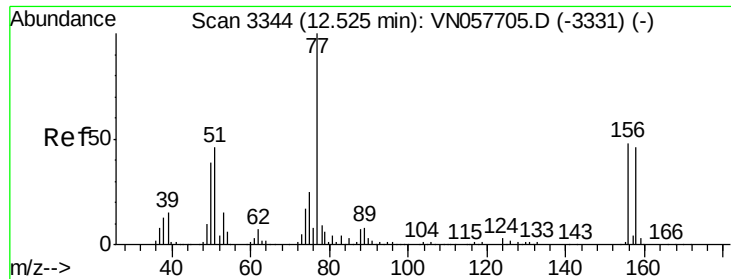
Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	75	Resp:	68047
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.210 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

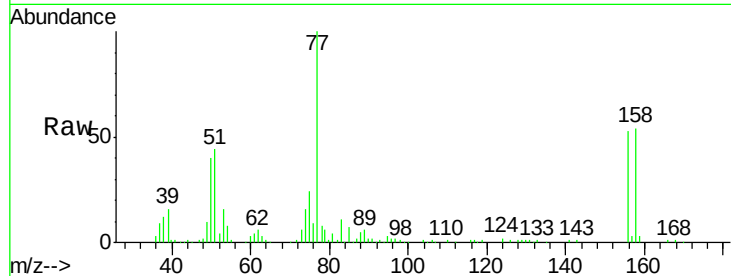
ClientSampleId :

VN0907WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.2	125.4	376.2
158	98.4	49.3	147.9

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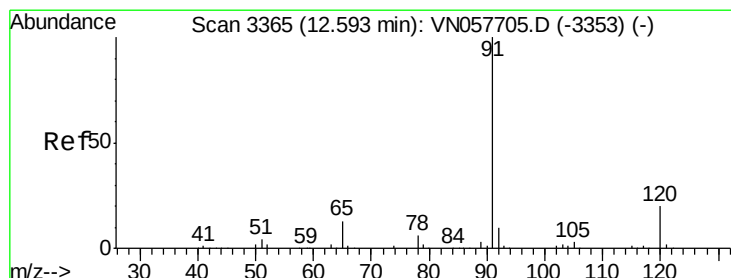
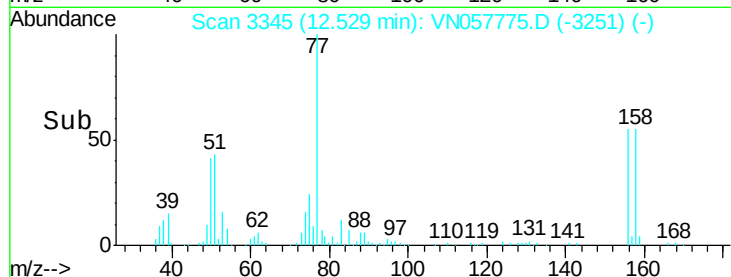
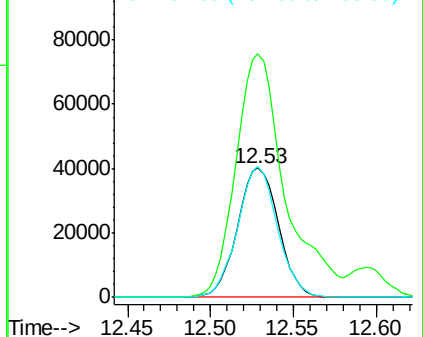
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.275 ug/l

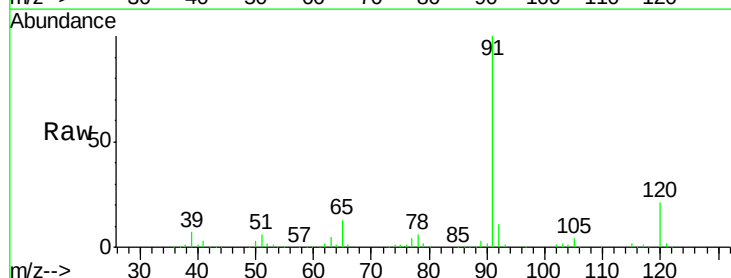
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057775.D

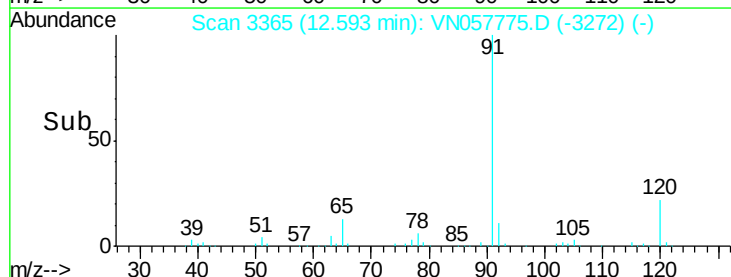
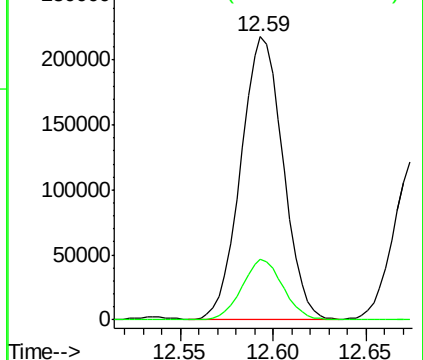
Acq: 8 Sep 2019 00:17

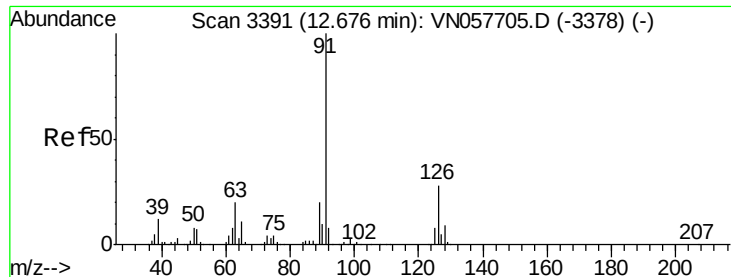
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.0	30.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.273 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 91 Resp: 209311

Ion Ratio Lower Upper

91 100

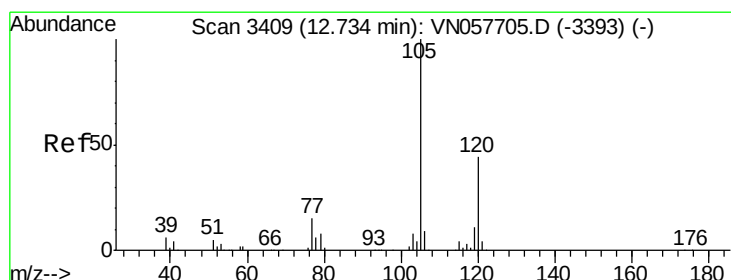
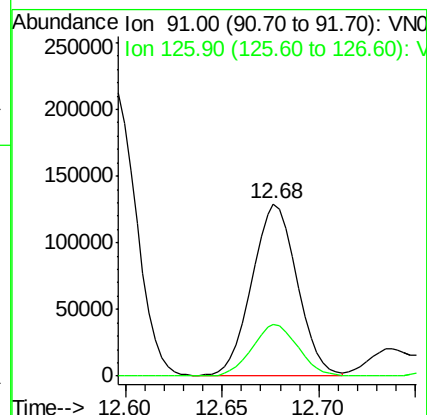
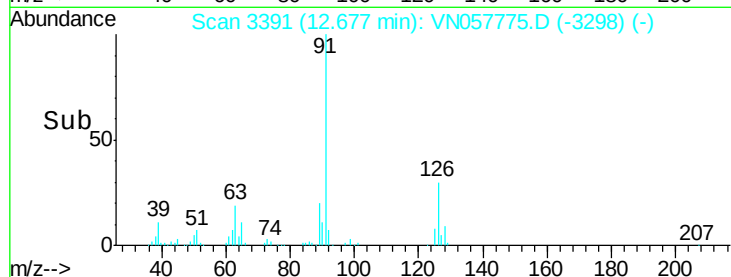
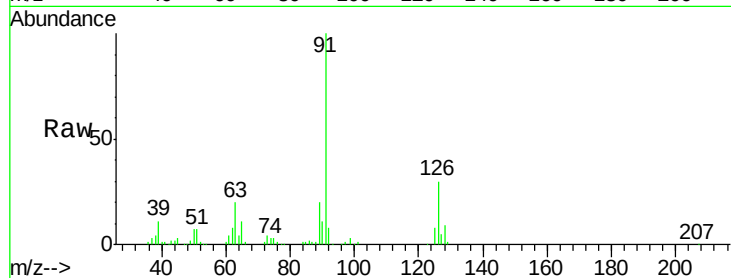
126 30.7 14.5 43.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.730 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057775.D

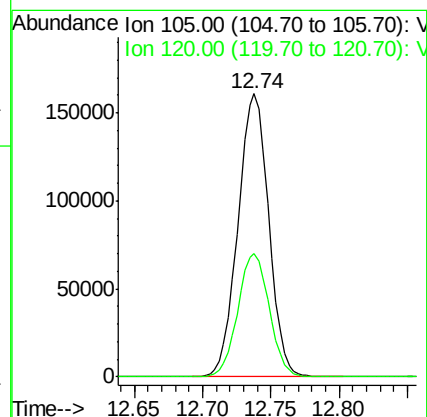
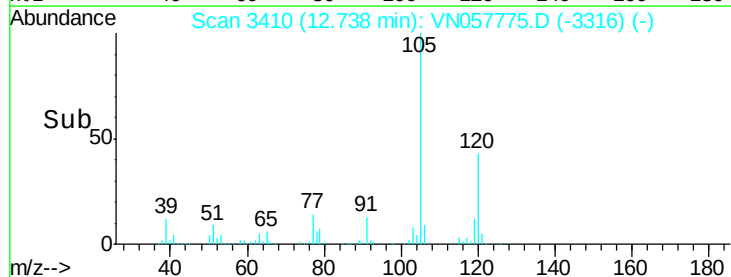
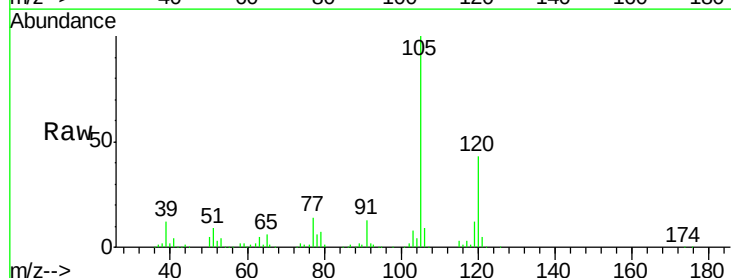
Acq: 8 Sep 2019 00:17

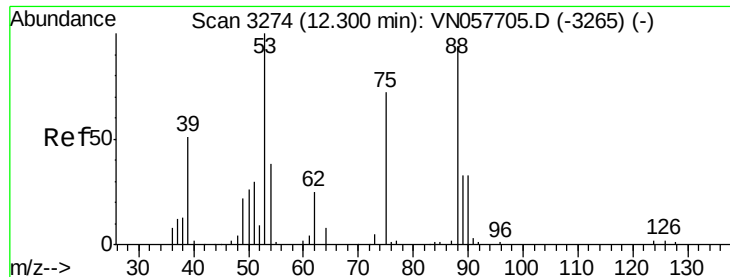
Tgt Ion: 105 Resp: 251659

Ion Ratio Lower Upper

105 100

120 44.4 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 13.950 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion: 75 Resp: 17494

Ion Ratio Lower Upper

75 100

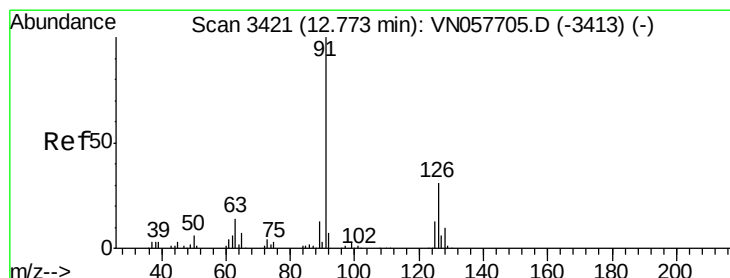
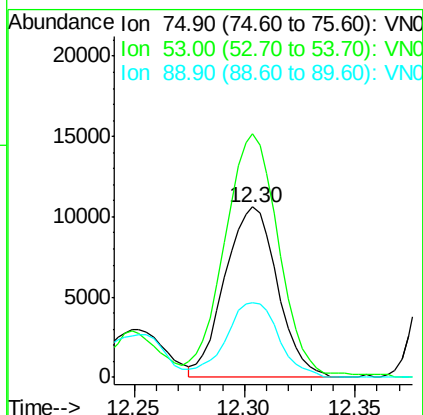
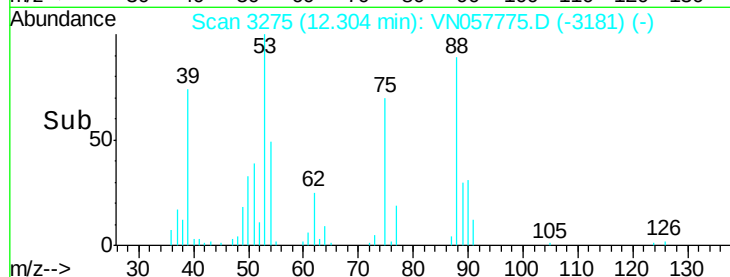
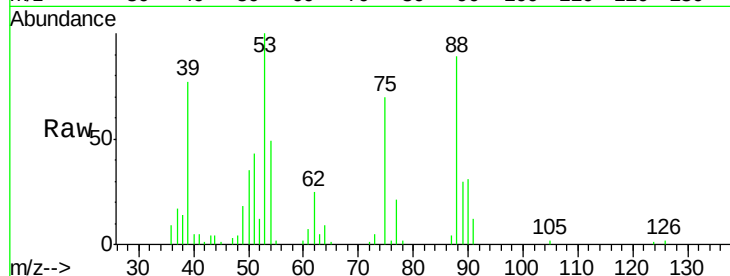
53 148.7 107.0 160.6

89 44.3 36.5 54.7

Manual Integrations
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9/10/2019 3:02:50 PM



#82

4-Chlorotoluene

Concen: 19.273 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057775.D

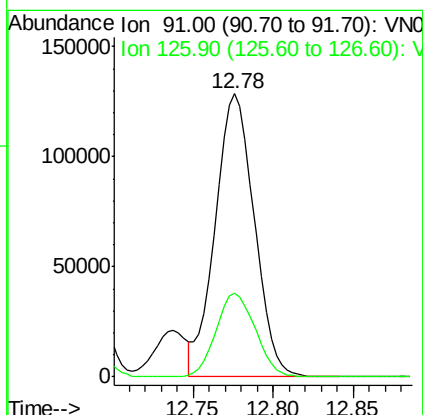
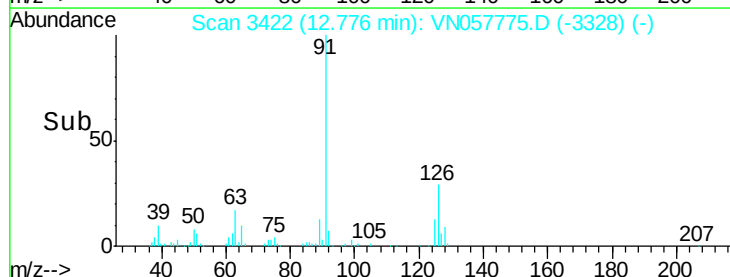
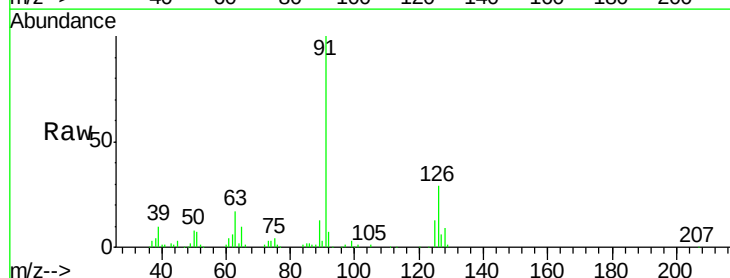
Acq: 8 Sep 2019 00:17

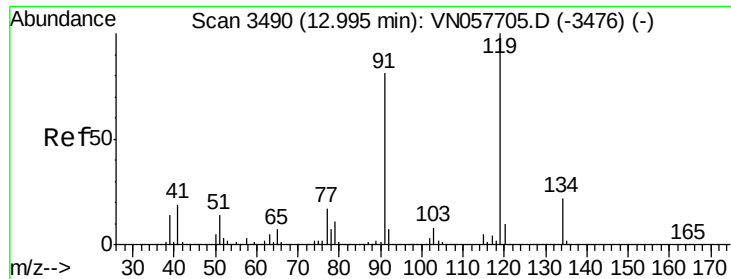
Tgt Ion: 91 Resp: 215568

Ion Ratio Lower Upper

91 100

126 29.7 14.4 43.4





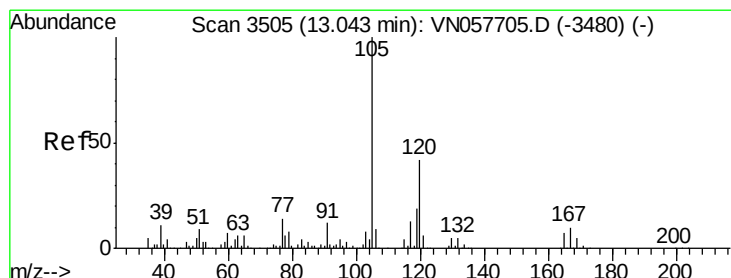
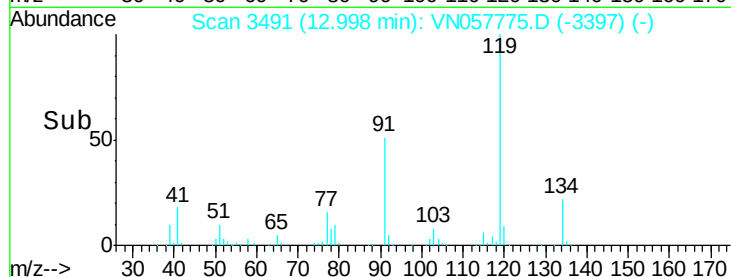
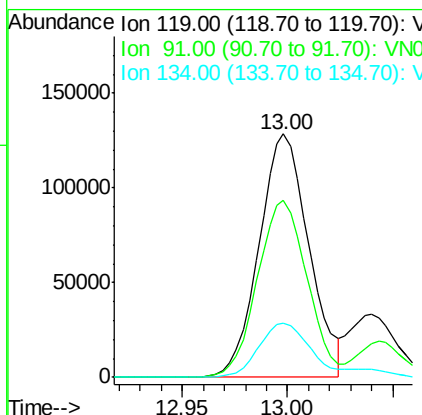
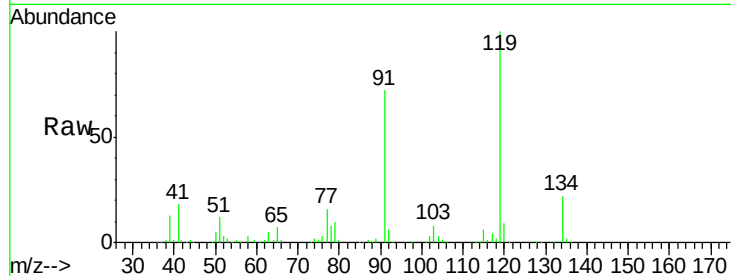
#83
 tert-Butylbenzene
 Concen: 19.619 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.0	39.6	118.8
134	25.6	11.3	33.8

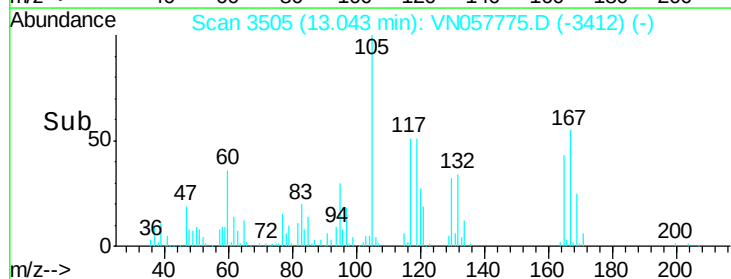
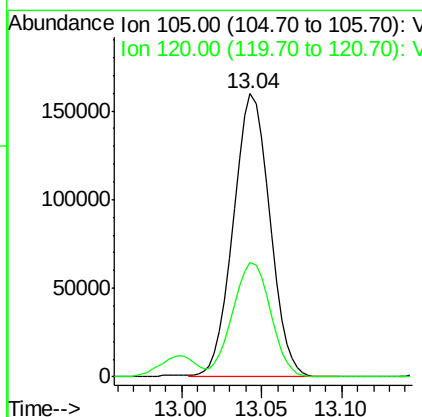
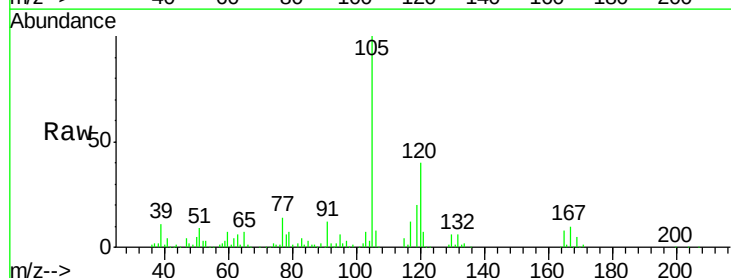
Manual Integrations
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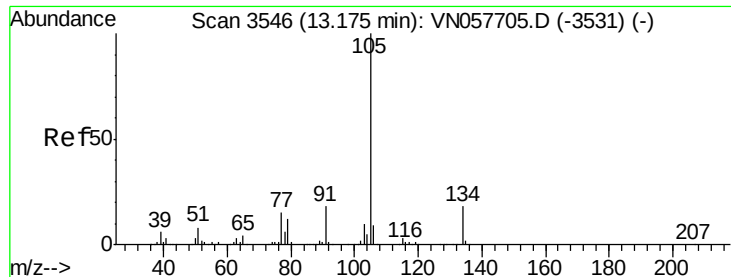
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.569 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	20.8	62.5





#85

sec-Butylbenzene

Concen: 19.052 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS02

Tot Ion:105 Resp: 282234

Ion Ratio Lower Upper

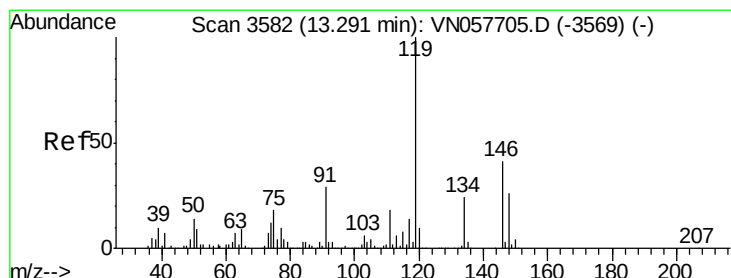
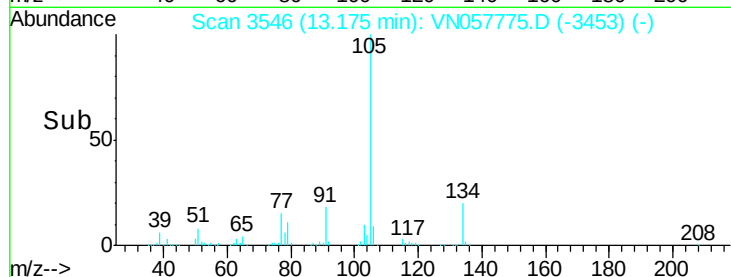
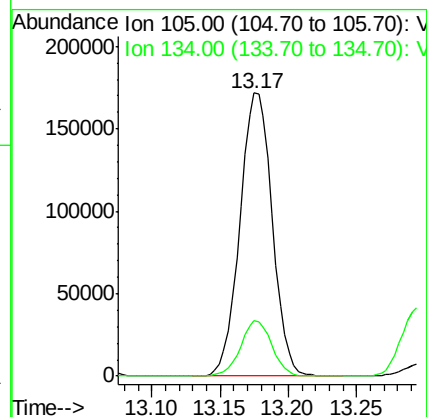
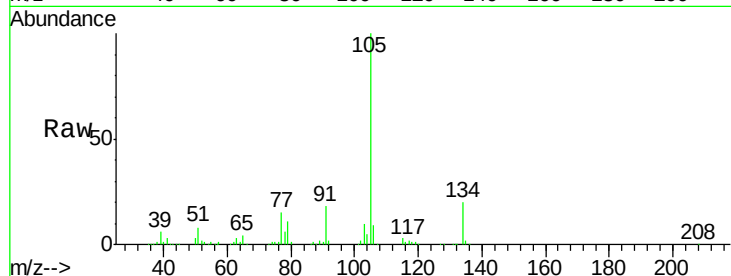
105 100

134 18.8 8.8 26.5

Manual Integrations
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9/10/2019 3:02:50 PM



#86

p-Isopropyltoluene

Concen: 19.700 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

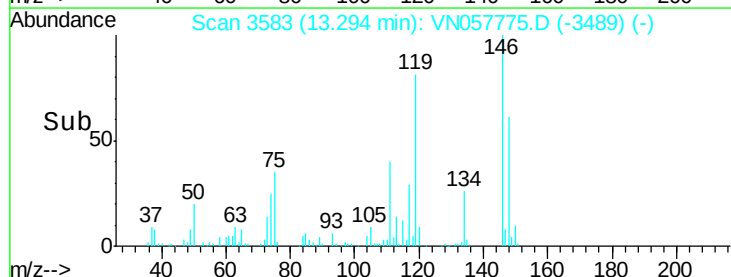
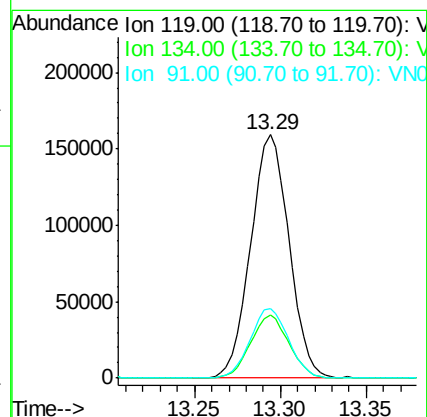
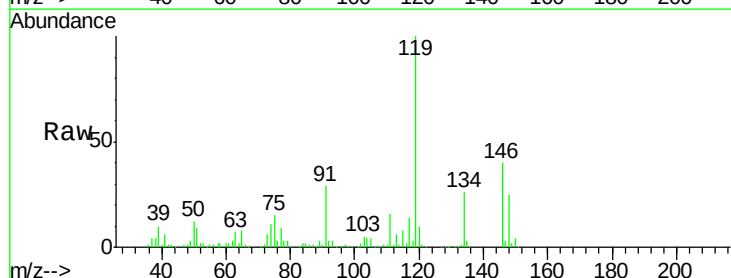
Tgt Ion:119 Resp: 247331

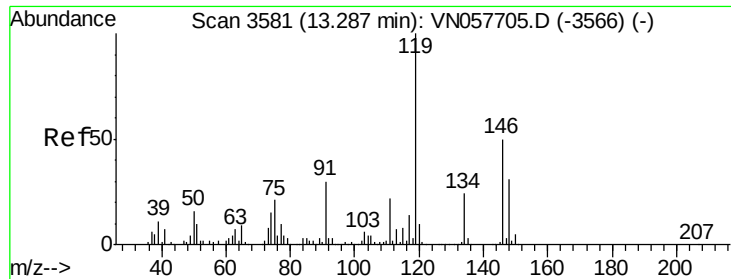
Ion Ratio Lower Upper

119 100

134 25.9 12.4 37.0

91 28.7 14.8 44.3





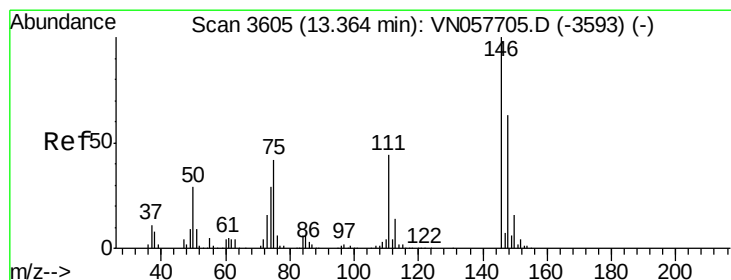
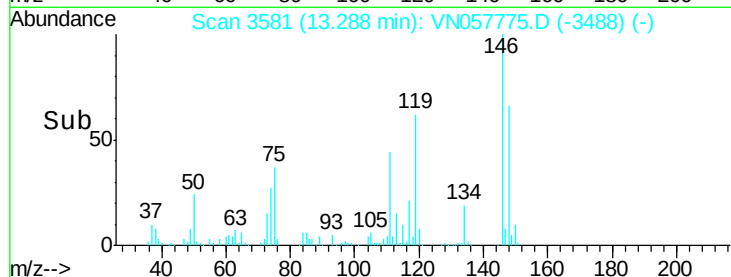
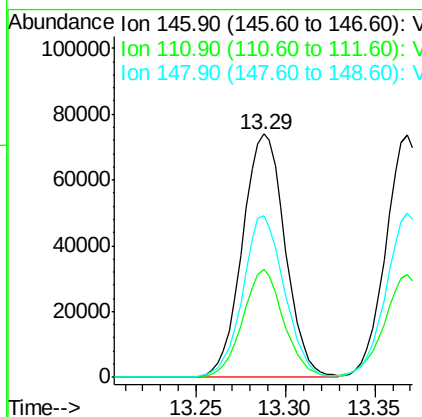
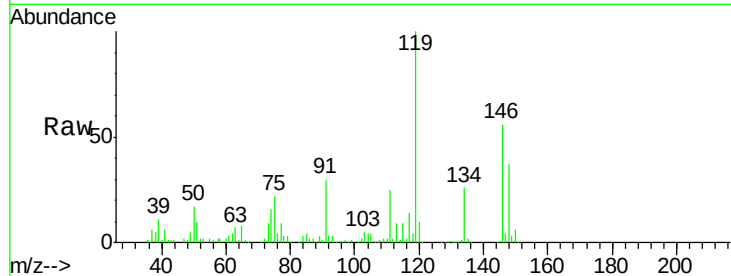
#87
 1,3-Dichlorobenzene
 Concen: 20.266 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123591		
111	42.5	22.3	66.8	
148	64.9	31.5	94.5	

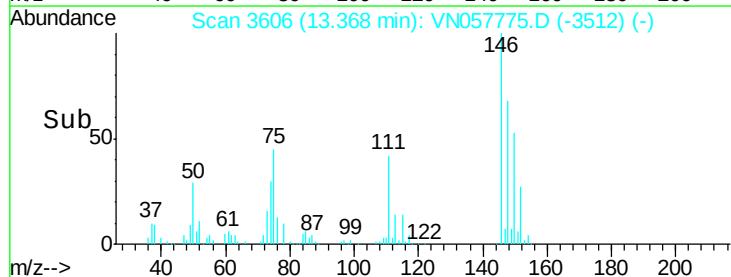
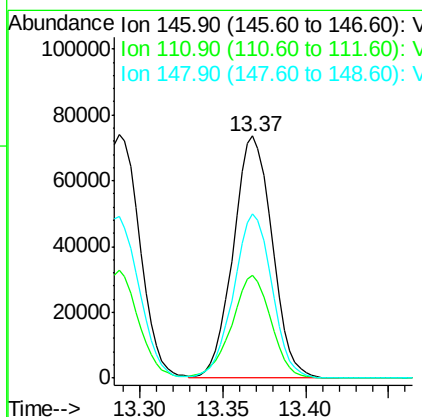
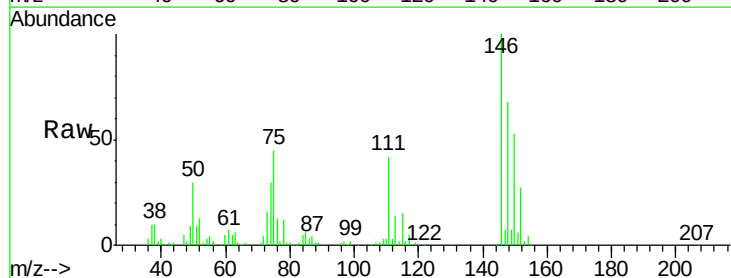
Manual Integrations
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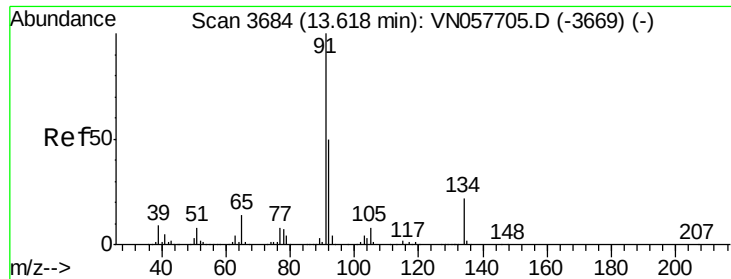
MMDadoda
 9/10/2019 3:02:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.780 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	120668		
111	43.0	22.3	66.9	
148	66.3	31.9	95.7	





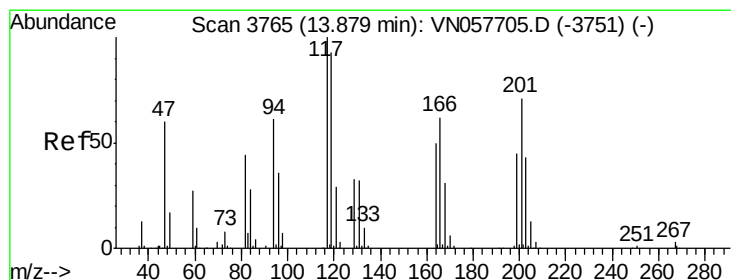
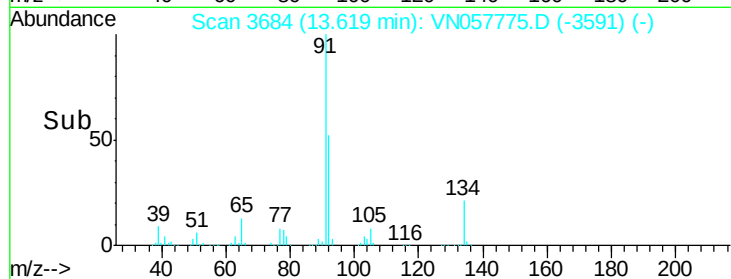
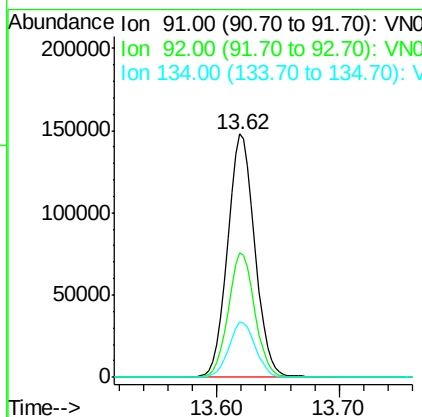
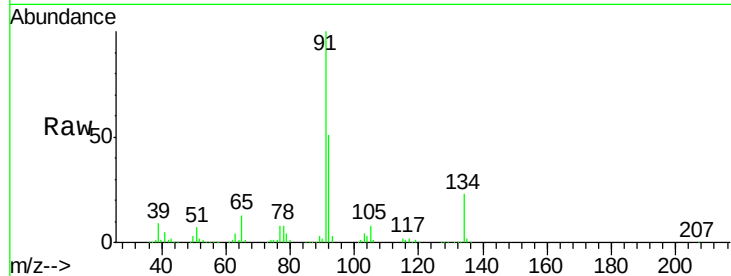
#89
n-Butylbenzene
Concen: 18.641 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	25.6	76.8
134	22.2	11.2	33.5

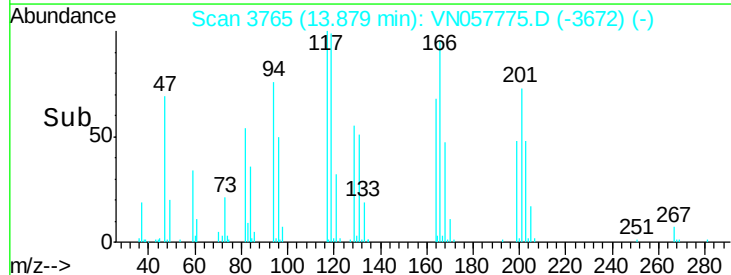
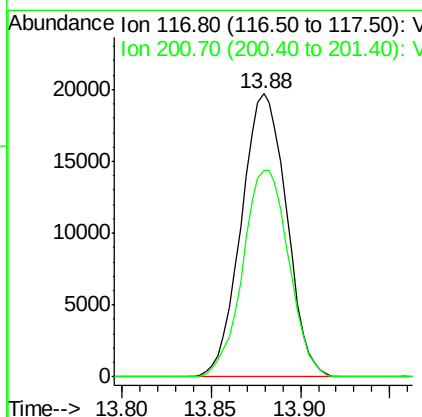
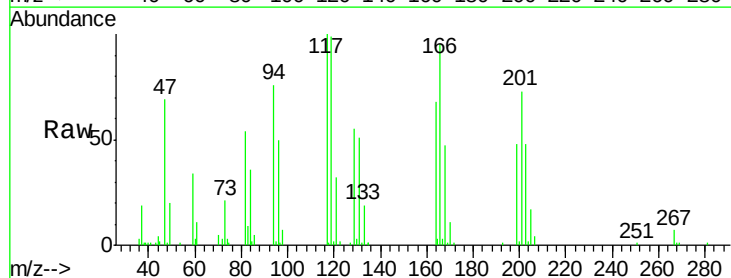
Manual Integrations
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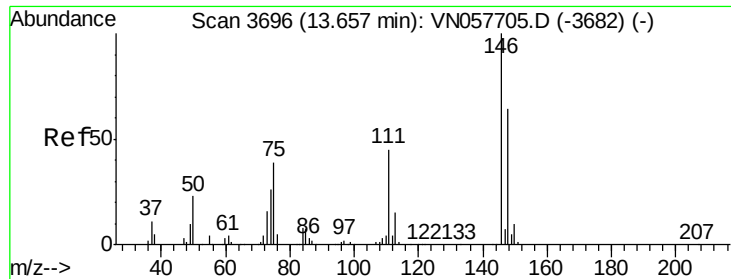
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9/10/2019 3:02:50 PM



#90
Hexachloroethane
Concen: 17.785 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057775.D
Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	36.4	109.2





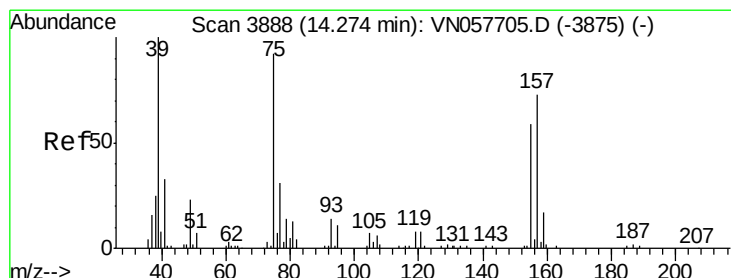
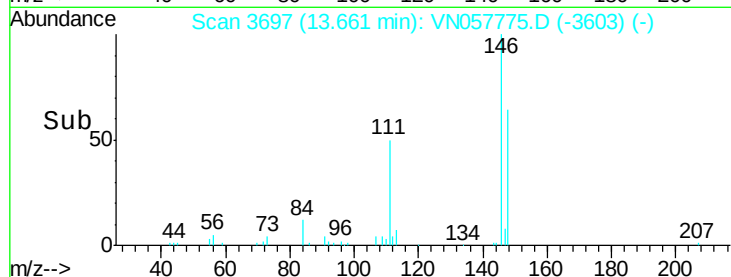
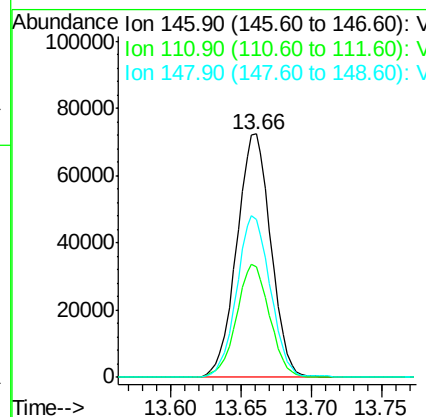
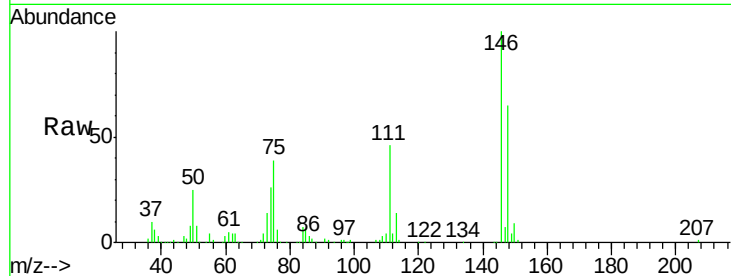
#91
 1,2-Dichlorobenzene
 Concen: 20.423 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.3
148	65.3	31.6	95.0

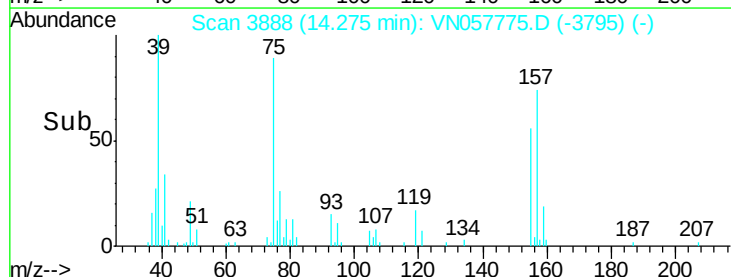
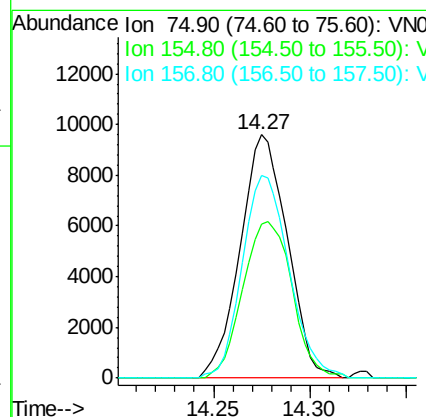
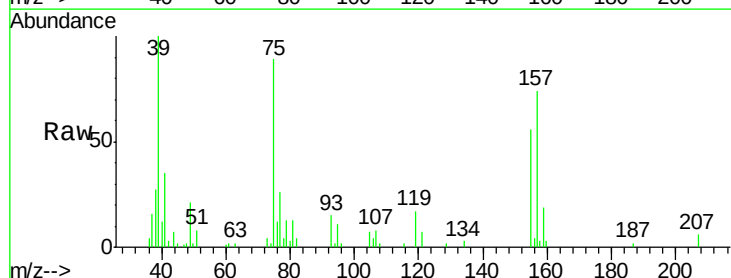
Manual Integrations
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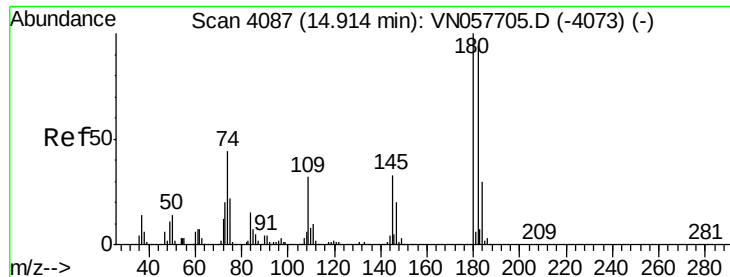
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.324 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.1	30.1	90.5
157	83.0	38.1	114.5





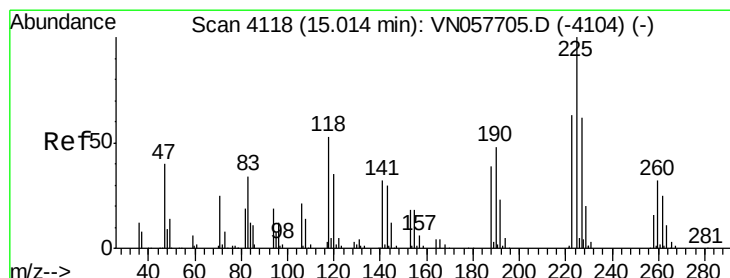
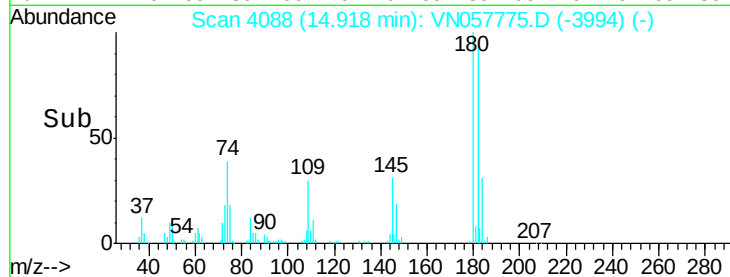
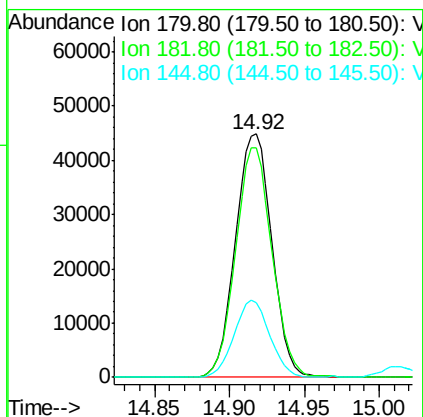
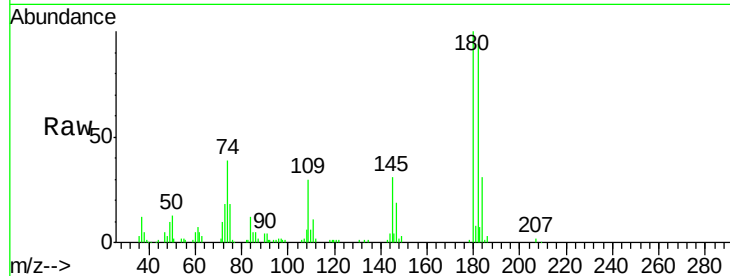
#93
 1,2,4-Trichlorobenzene
 Concen: 21.173 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.6	142.9
145	31.0	16.6	49.7

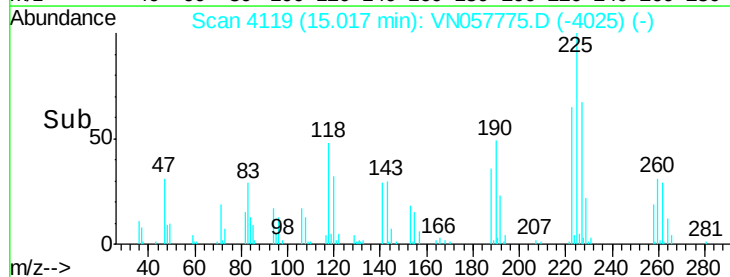
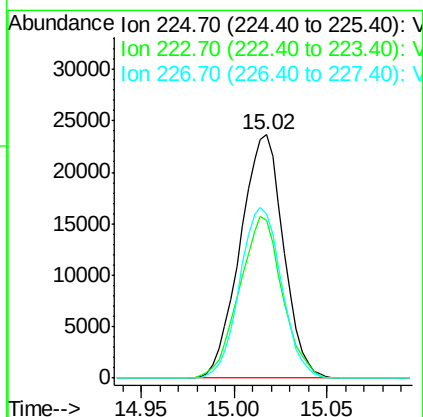
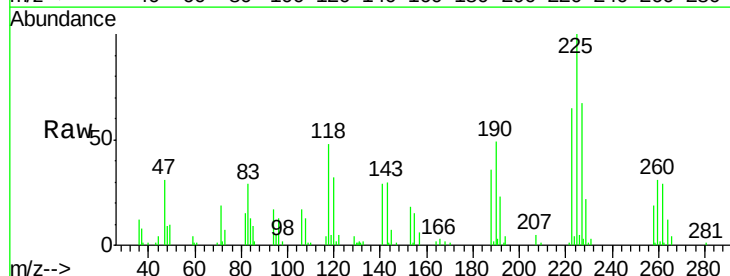
Manual Integrations
 APPROVED

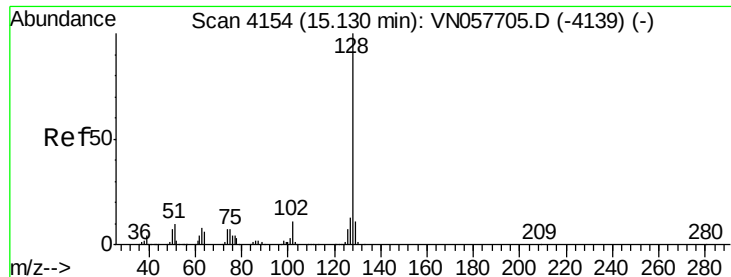
MMDadoda
 9/10/2019 3:02:50 PM



#94
 Hexachlorobutadiene
 Concen: 21.863 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057775.D
 Acq: 8 Sep 2019 00:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.6	95.0
227	67.7	31.7	95.1





#95

Naphthalene

Concen: 19.432 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Instrument :

MSVOA_N

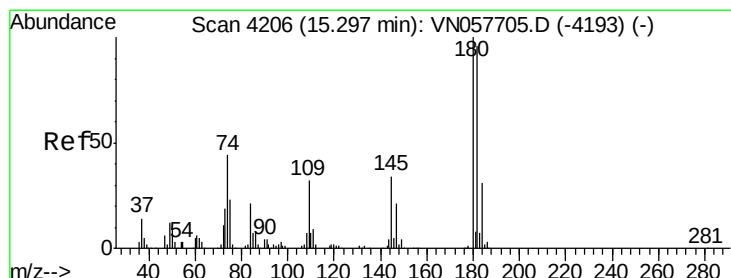
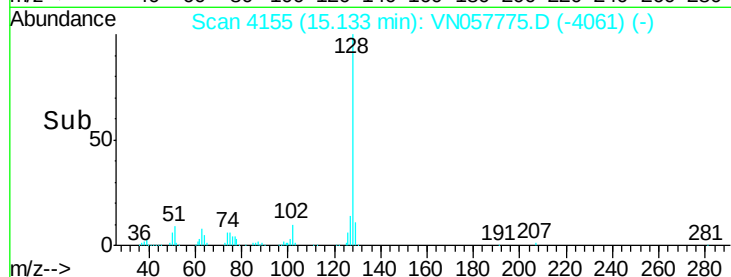
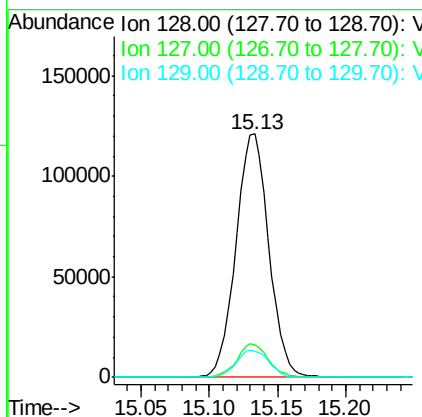
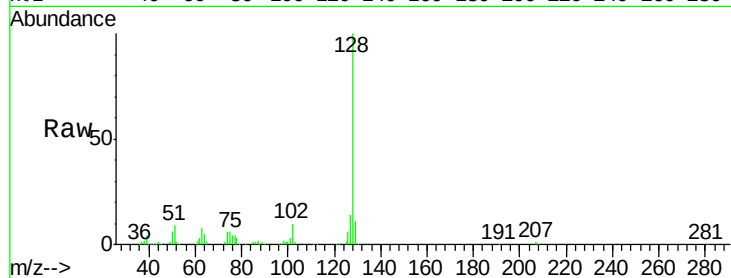
ClientSampleId :

VN0907WBS02

Tot Ion:	128	Resp:	202490
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 3:02:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.097 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057775.D

Acq: 8 Sep 2019 00:17

Tgt Ion:	180	Resp:	72636
Ion Ratio		Lower	Upper
180	100		
182	93.0	47.0	141.2
145	32.1	17.5	52.6

