

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059725.D
 Acq On : 16 Jan 2020 12:24
 Operator : JC/MD
 Sample : VN0116MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 1:53:01 PM

Quant Time: Jan 17 07:04:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	313413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136811	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	120511	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	7.56	113	102422	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
50) Toluene-d8	10.08	98	387098	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.40	95	137566	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	53386	21.768	ug/l	98
3) Chloromethane	2.04	50	49924	21.248	ug/l	100
4) Vinyl Chloride	2.17	62	60858	22.638	ug/l	98
5) Bromomethane	2.54	94	38586	23.519	ug/l	100
6) Chloroethane	2.68	64	28664	22.537	ug/l	99
7) Trichlorofluoromethane	3.00	101	73653	22.813	ug/l	98
8) Diethyl Ether	3.38	74	26894	23.736	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	42206	23.488	ug/l	91
10) Methyl Iodide	3.93	142	66264	22.814	ug/l	93
11) Tert butyl alcohol	4.72	59	43251	112.727	ug/l	98
12) 1,1-Dichloroethene	3.72	96	41681	22.199	ug/l	89
13) Acrolein	3.58	56	21168	77.939	ug/l	98
14) Allyl chloride	4.29	41	62359	24.640	ug/l #	95
15) Acrylonitrile	4.94	53	99795	114.025	ug/l	99
16) Acetone	3.78	43	89235	109.154	ug/l	96
17) Carbon Disulfide	4.03	76	113924	21.299	ug/l	98
18) Methyl Acetate	4.29	43	60020	22.545	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	146662	23.957	ug/l	96
20) Methylene Chloride	4.52	84	47059	22.100	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	44621	22.356	ug/l	86
22) Diisopropyl ether	5.91	45	131413	22.913	ug/l #	93
23) Vinyl Acetate	5.86	43	509875	114.823	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	78403	22.373	ug/l	97
25) 2-Butanone	6.80	43	132922	102.988	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	74058	21.982	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	52853	23.023	ug/l	86
28) Bromochloromethane	7.17	49	27621	19.720	ug/l #	71
29) Tetrahydrofuran	7.18	42	85797	107.440	ug/l #	85
30) Chloroform	7.35	83	84112	23.165	ug/l	97
31) Cyclohexane	7.63	56	71484	21.198	ug/l	87
32) 1,1,1-Trichloroethane	7.54	97	75846	22.592	ug/l	96
36) 1,1-Dichloropropene	7.77	75	61877	22.671	ug/l	94
37) Ethyl Acetate	6.90	43	56276	21.984	ug/l	96
38) Carbon Tetrachloride	7.75	117	68686	23.135	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	73767	21.920	ug/l	92
40) Benzene	8.02	78	184333	22.646	ug/l	99
41) Methacrylonitrile	7.15	41	26180m	20.763	ug/l	
42) 1,2-Dichloroethane	8.10	62	64832	23.491	ug/l	95
43) Isopropyl Acetate	8.14	43	98302	22.326	ug/l #	94
44) Trichloroethene	8.82	130	52545	23.647	ug/l	92
45) 1,2-Dichloropropane	9.10	63	47450	23.558	ug/l	100
46) Dibromomethane	9.19	93	33864	23.834	ug/l #	89
47) Bromodichloromethane	9.38	83	67718	23.651	ug/l	99
48) Methyl methacrylate	9.18	41	43418	22.045	ug/l	88
49) 1,4-Dioxane	9.18	88	17806	493.869	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	280946	110.379	ug/l	94
52) Toluene	10.14	92	119712	23.284	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	74245	23.223	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	80216	23.846	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	47592	23.372	ug/l	97
56) Ethyl methacrylate	10.42	69	71177	22.875	ug/l	92
57) 1,3-Dichloropropane	10.70	76	76849	23.771	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	114218	121.872	ug/l	92
59) 2-Hexanone	10.74	43	202470	107.977	ug/l	94
60) Dibromochloromethane	10.89	129	56030	24.162	ug/l	99
61) 1,2-Dibromoethane	10.99	107	50510	23.666	ug/l	100
64) Tetrachloroethene	10.62	164	49912	21.492	ug/l	95
65) Chlorobenzene	11.43	112	130162	23.240	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	51548	23.819	ug/l	98
67) Ethyl Benzene	11.50	91	229944	22.616	ug/l	97
68) m/p-Xylenes	11.62	106	175308	45.646	ug/l	94
69) o-Xylene	11.94	106	86302	22.953	ug/l	94
70) Styrene	11.96	104	142631	22.670	ug/l	97
71) Bromoform	12.12	173	41144	23.734	ug/l #	98
73) Isopropylbenzene	12.25	105	229071	22.830	ug/l	99
74) N-amyl acetate	12.06	43	84966	21.823	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	67000	23.034	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	59754m	25.953	ug/l	
77) Bromobenzene	12.52	156	59569	23.444	ug/l	80
78) n-propylbenzene	12.59	91	252228	22.397	ug/l	97
79) 2-Chlorotoluene	12.67	91	150420	22.452	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	190767	22.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23396	21.822	ug/l	94
82) 4-Chlorotoluene	12.77	91	153440	22.834	ug/l	96
83) tert-Butylbenzene	12.99	119	165104	22.623	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	192341	23.040	ug/l	99
85) sec-Butylbenzene	13.17	105	216413	22.570	ug/l	98
86) p-Isopropyltoluene	13.29	119	201135	22.670	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	102028	23.116	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	102391	23.254	ug/l	97
89) n-Butylbenzene	13.61	91	169176	22.363	ug/l	98
90) Hexachloroethane	13.87	117	36579	22.036	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	101296	23.215	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14071	21.341	ug/l	81

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61703	23.534	ug/l	99
94) Hexachlorobutadiene	15.01	225	34200	23.671	ug/l	99
95) Naphthalene	15.13	128	166040	22.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	59083	23.151	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion:168 Resp: 205230

Ion Ratio Lower Upper

168 100

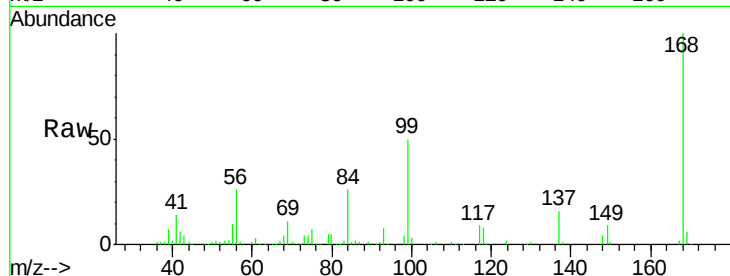
99 49.6 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

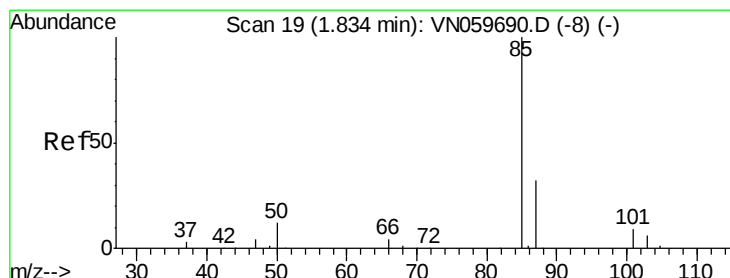
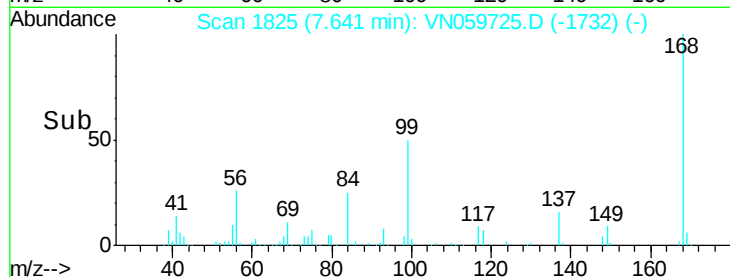
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.768 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059725.D

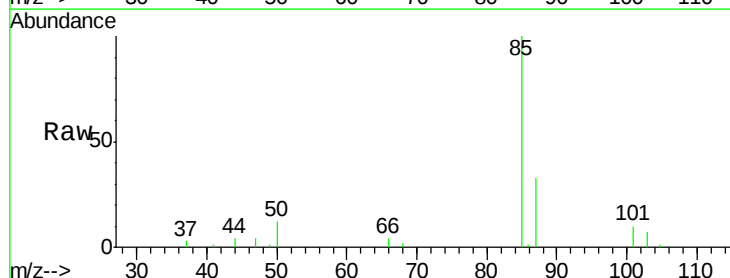
Acq: 16 Jan 2020 12:24

Tgt Ion: 85 Resp: 53386

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

30000

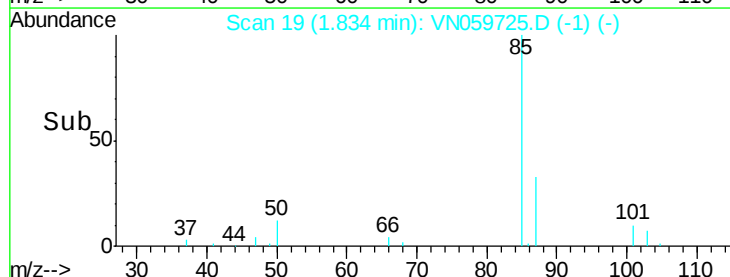
20000

10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.248 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion: 50 Resp: 49924

Ion Ratio Lower Upper

50 100

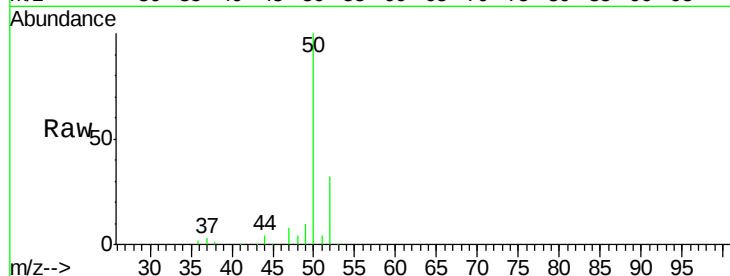
52 32.1 25.9 38.9

Manual Integrations

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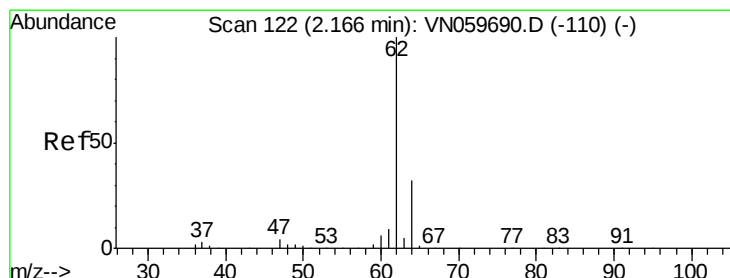
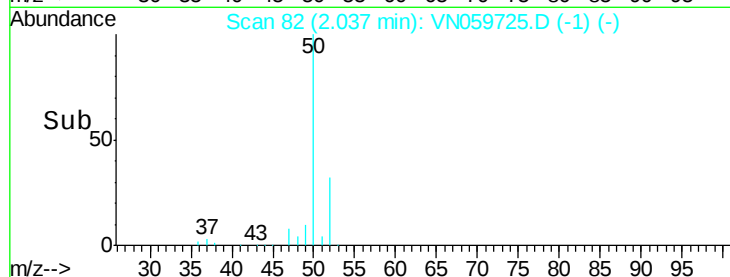
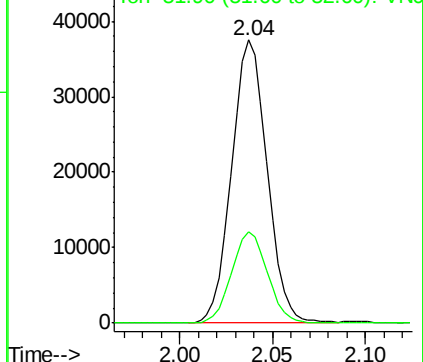
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 22.638 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059725.D

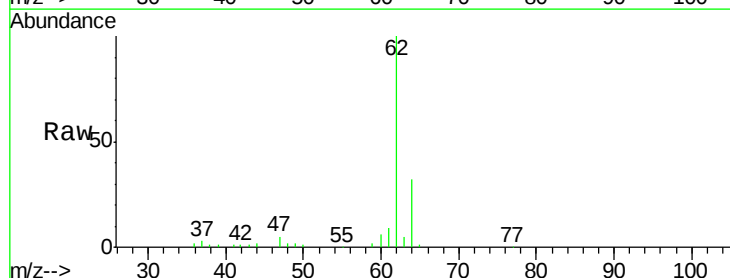
Acq: 16 Jan 2020 12:24

Tgt Ion: 62 Resp: 60858

Ion Ratio Lower Upper

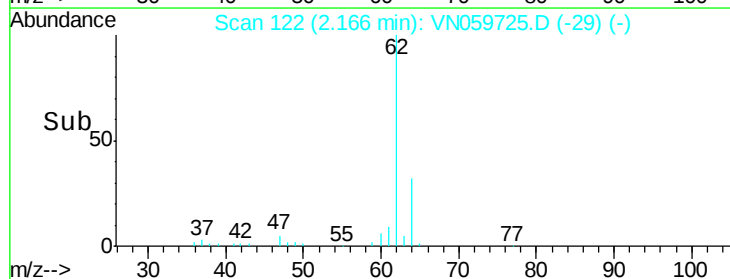
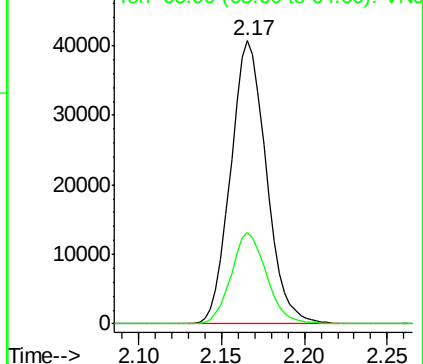
62 100

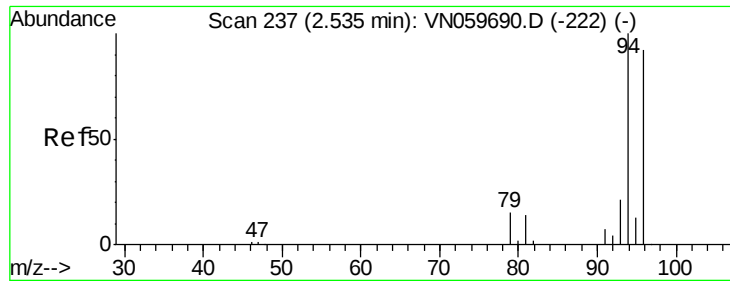
64 32.1 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





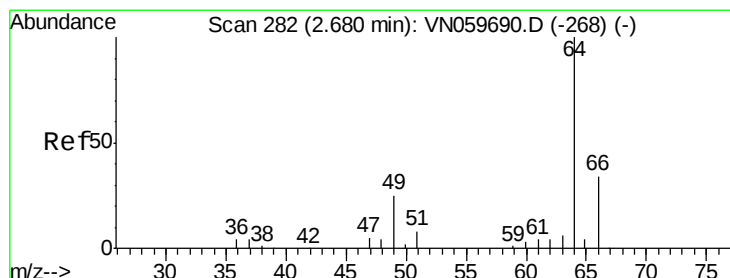
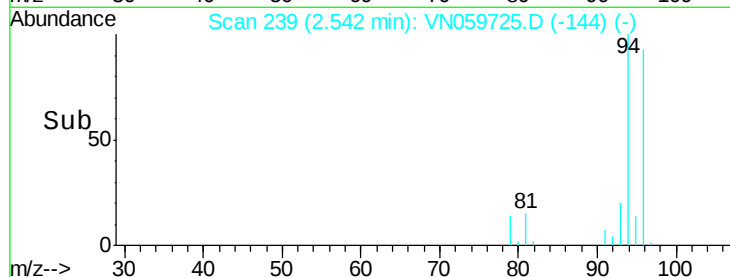
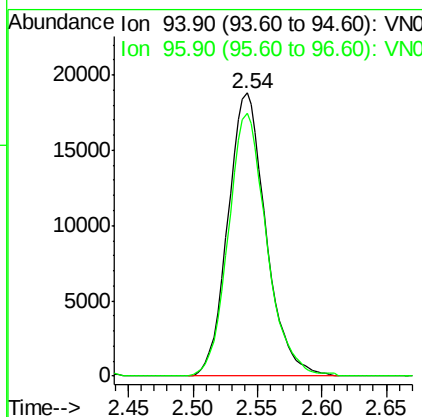
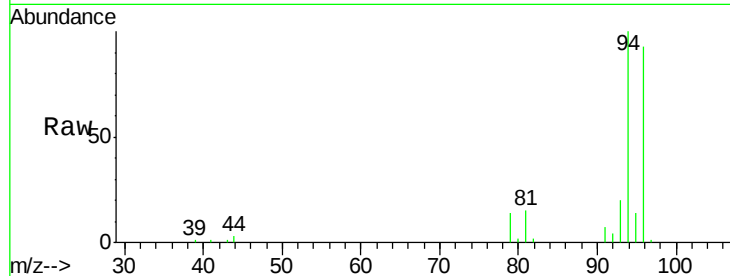
#5
Bromomethane
Concen: 23.519 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

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Tot Ion: 94 Resp: 38586
Ion Ratio Lower Upper
94 100
96 93.0 74.7 112.1

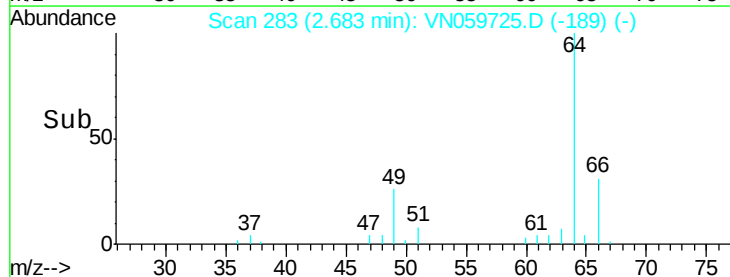
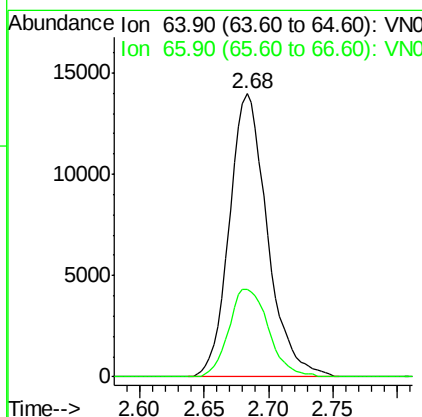
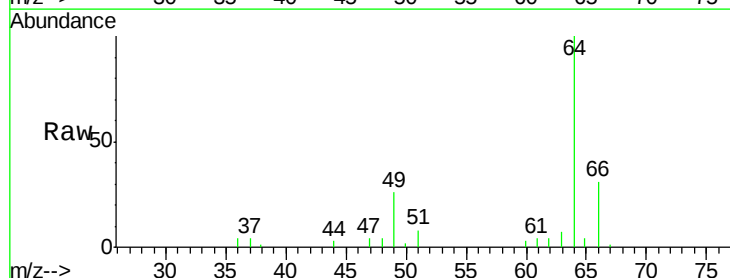
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#6
Chloroethane
Concen: 22.537 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion: 64 Resp: 28664
Ion Ratio Lower Upper
64 100
66 31.0 25.1 37.7





#7

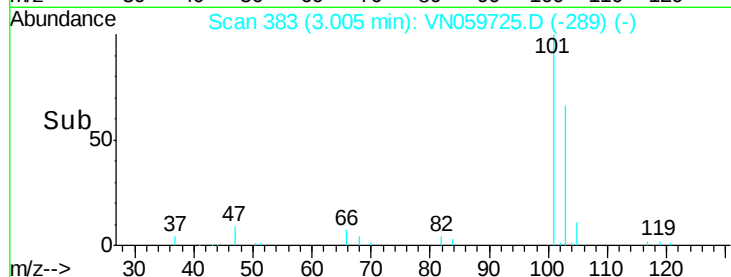
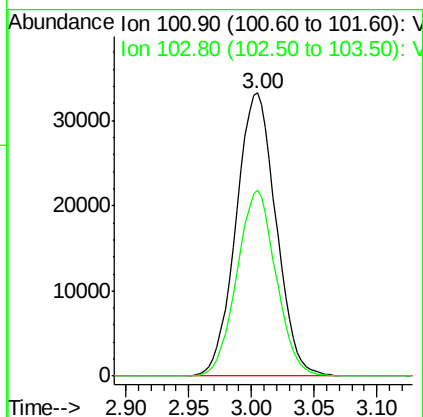
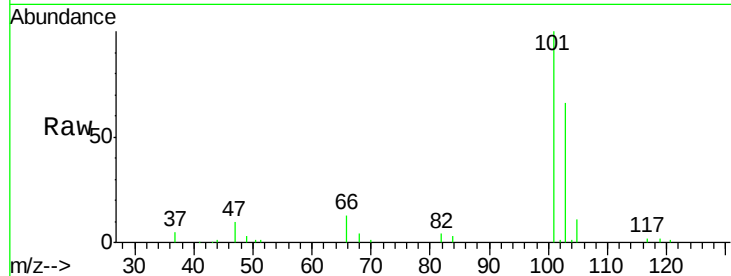
Trichlorofluoromethane
Concen: 22.813 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion:101 Resp: 73653
Ion Ratio Lower Upper
101 100
103 65.8 51.0 76.6

Manual Integrations
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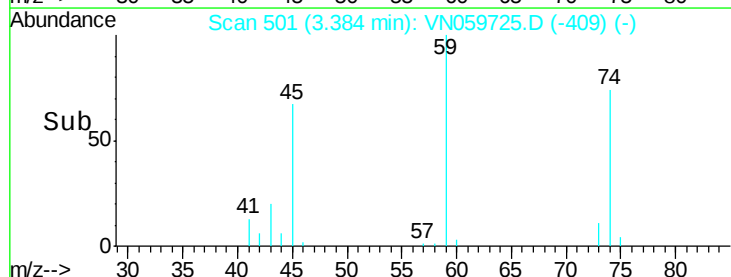
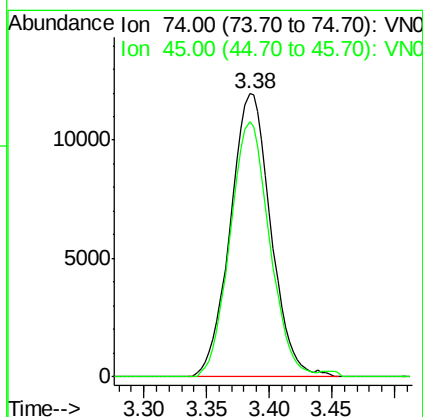
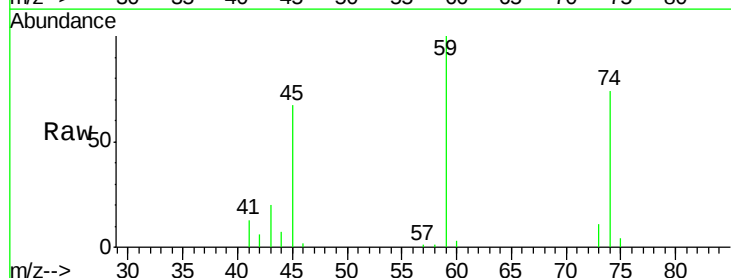
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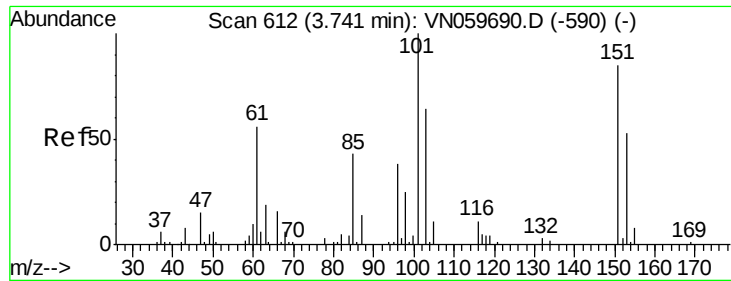


#8

Diethyl Ether
Concen: 23.736 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion: 74 Resp: 26894
Ion Ratio Lower Upper
74 100
45 87.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.488 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

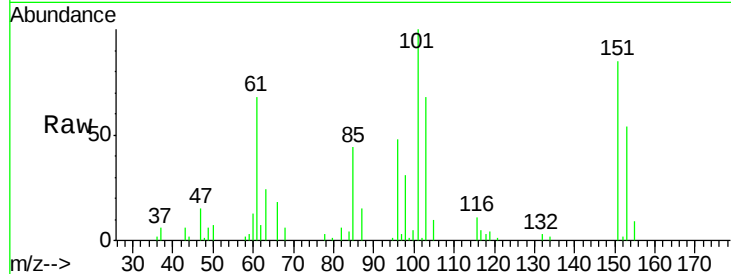
ClientSampleId :

VN0116MBS01

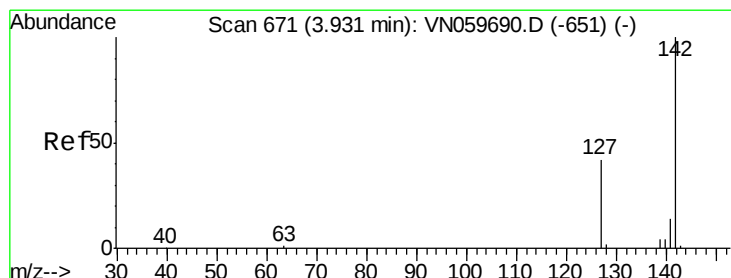
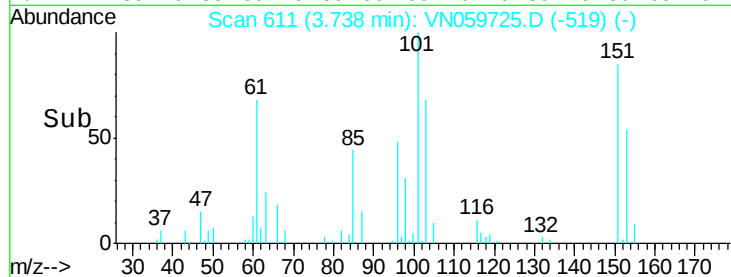
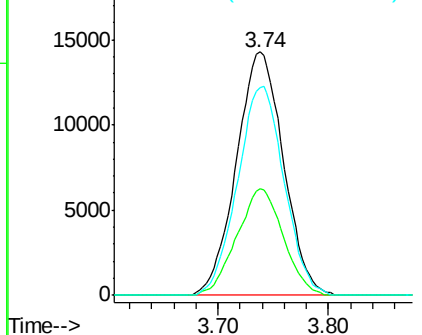
Tot Ion:	101	Resp:	42206
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.6	54.8
151	85.0	59.7	89.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.814 ug/l

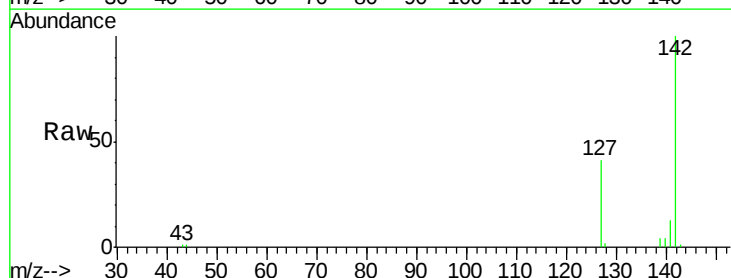
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

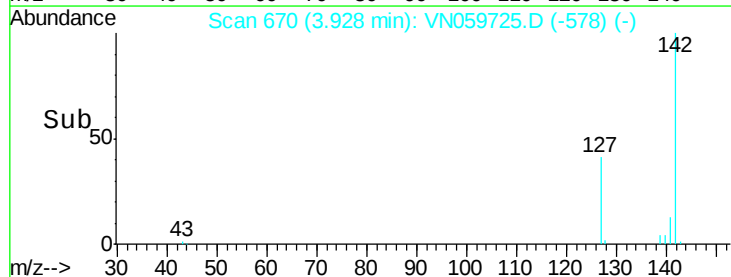
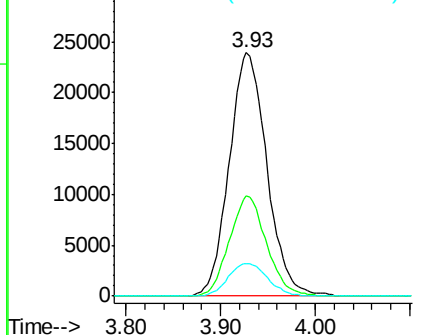
Lab File: VN059725.D

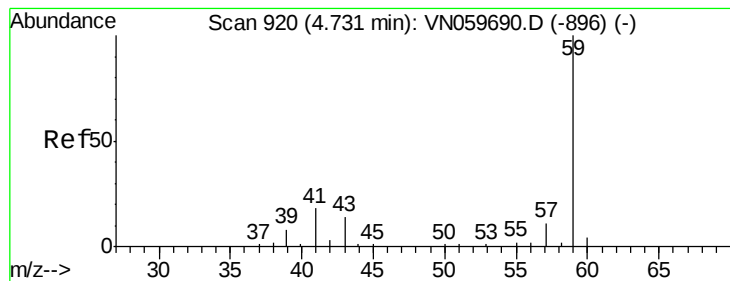
Acq: 16 Jan 2020 12:24

Tgt Ion:	142	Resp:	66264
Ion Ratio	Lower	Upper	
142	100		
127	40.5	36.7	55.1
141	13.9	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

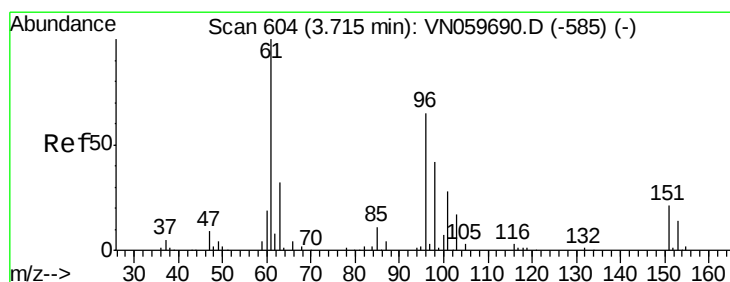
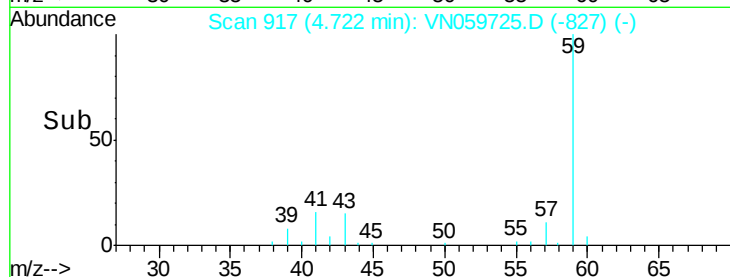
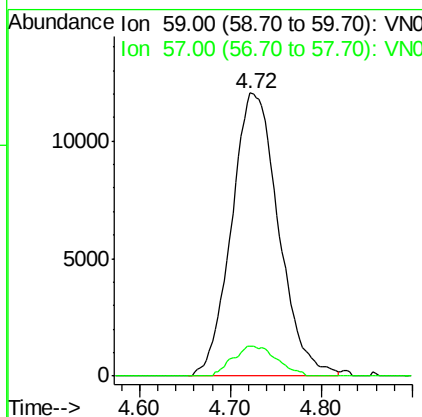
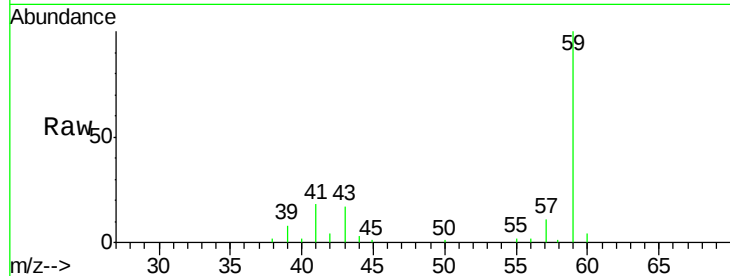
Tert butyl alcohol
 Concen: 112.727 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	12.8

Manual Integrations
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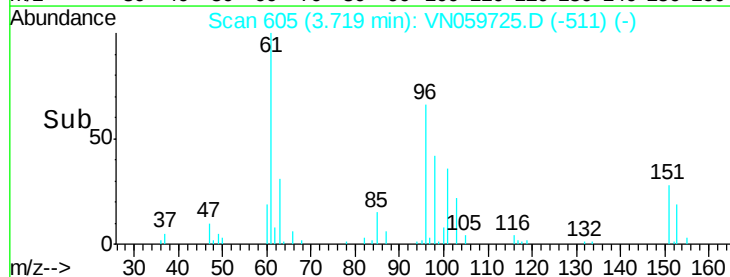
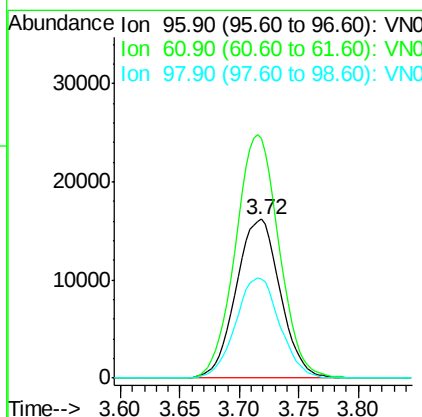
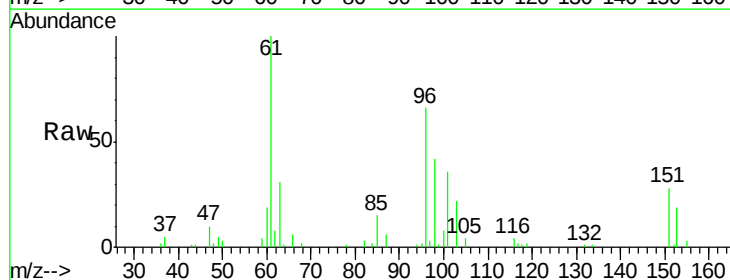
MMDadoda
 1/17/2020 1:53:01 PM



#12

1,1-Dichloroethene
 Concen: 22.199 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	137.5	206.3
98	62.7	50.2	75.4





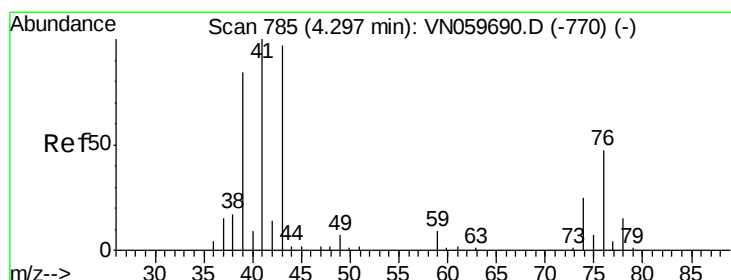
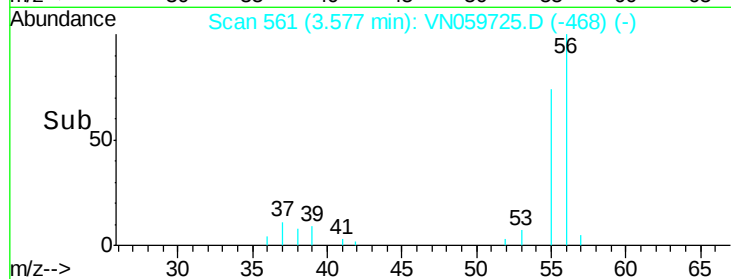
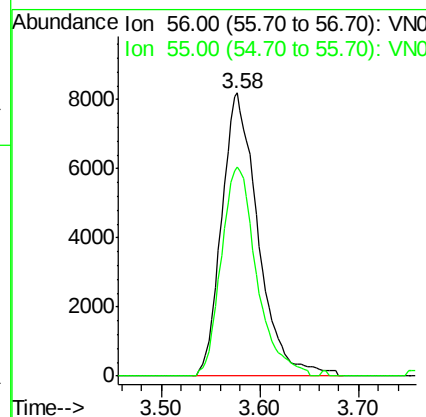
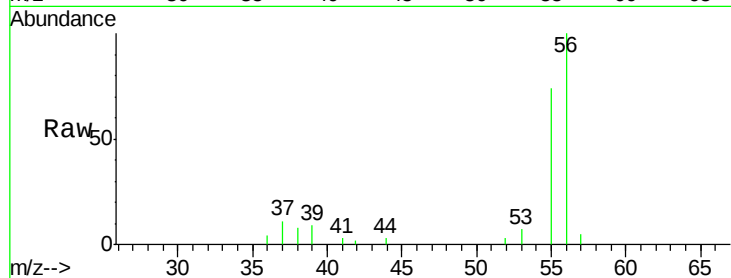
#13
Acrolein
Concen: 77.939 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion: 56 Resp: 21168
Ion Ratio Lower Upper
56 100
55 71.7 58.6 88.0

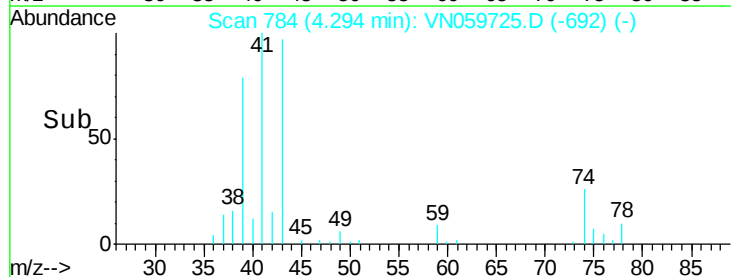
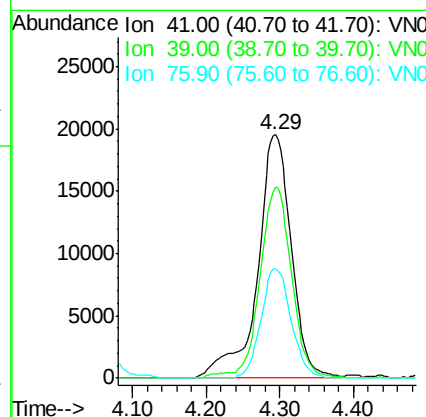
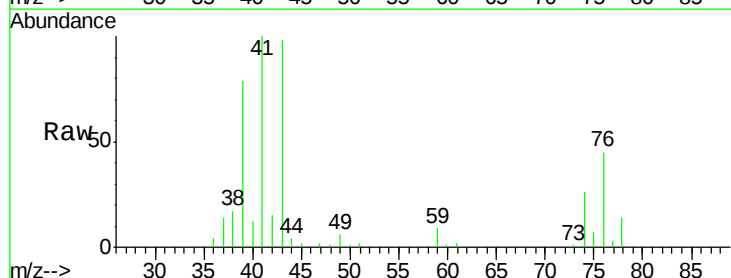
Manual Integrations
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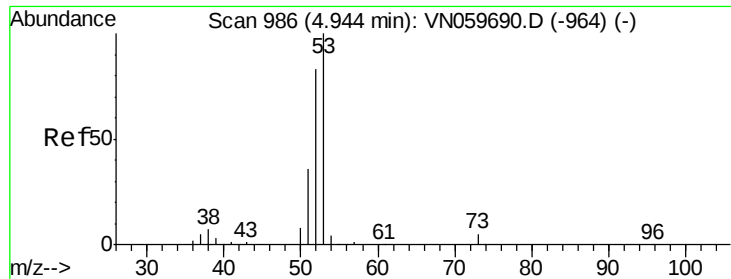
MMDadoda
1/17/2020 1:53:01 PM



#14
Allyl chloride
Concen: 24.640 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion: 41 Resp: 62359
Ion Ratio Lower Upper
41 100
39 73.4 57.8 86.8
76 39.9 25.4 38.0#





#15

Acrylonitrile

Concen: 114.025 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

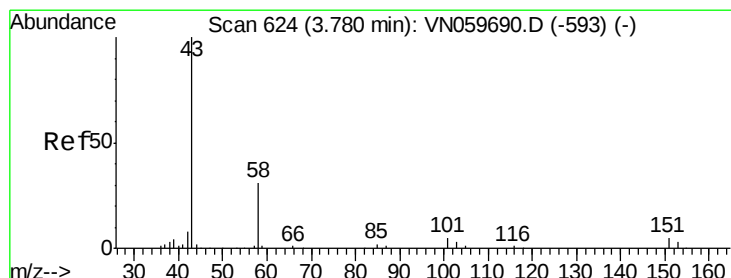
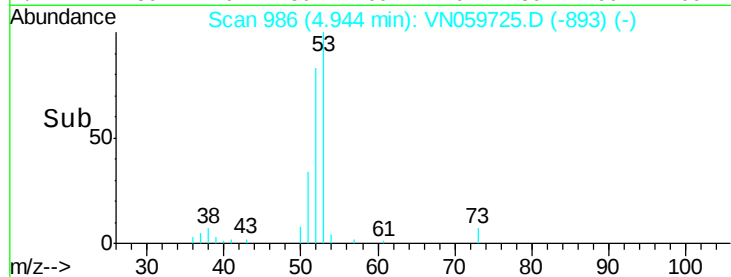
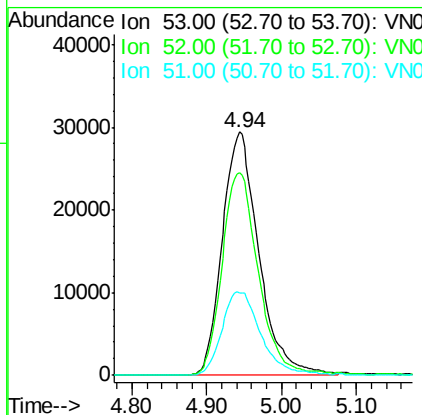
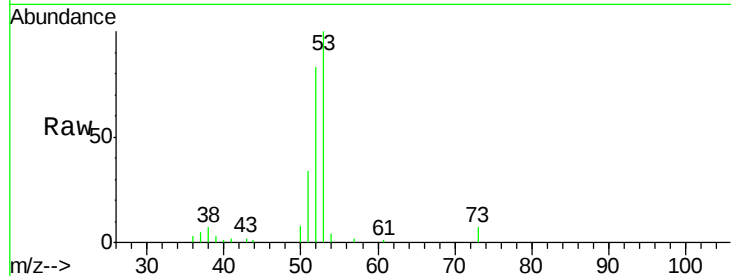
ClientSampleId :

VN0116MBS01

Tot Ion:	53	Resp:	99795
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.3	99.5
51	36.5	29.7	44.5

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#16

Acetone

Concen: 109.154 ug/l

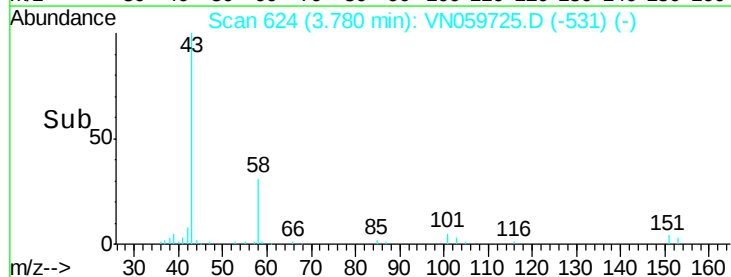
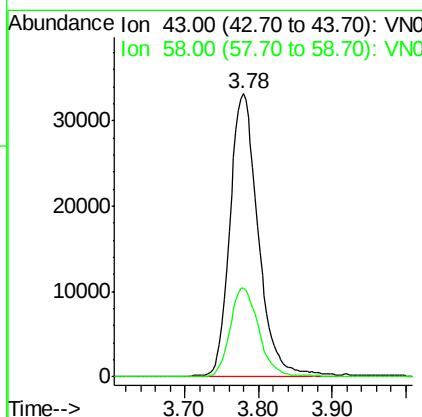
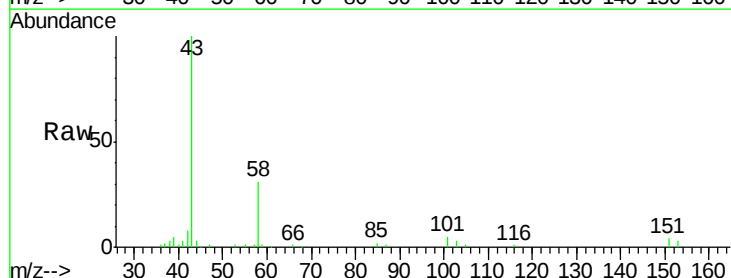
RT: 3.78 min Scan# 624

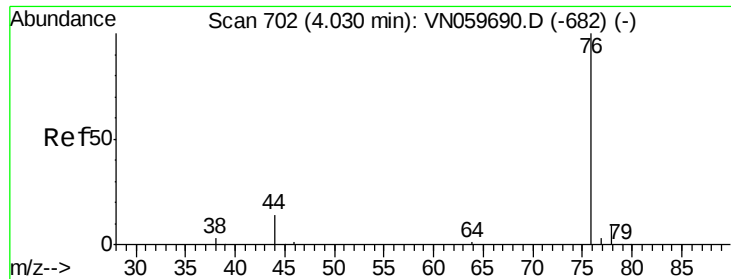
Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Tgt Ion:	43	Resp:	89235
Ion Ratio	Lower	Upper	
43	100		
58	31.4	23.6	35.4





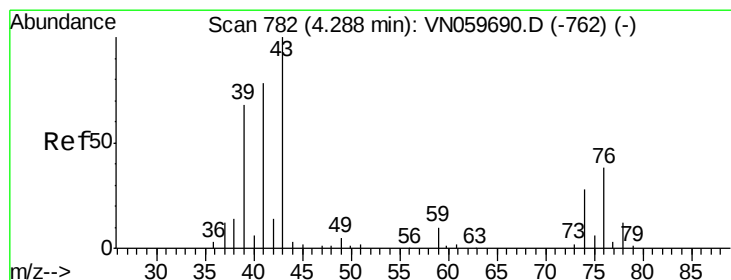
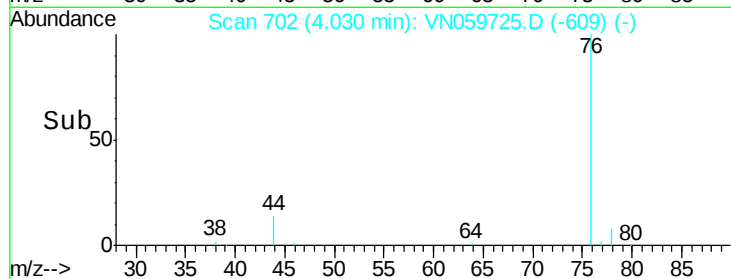
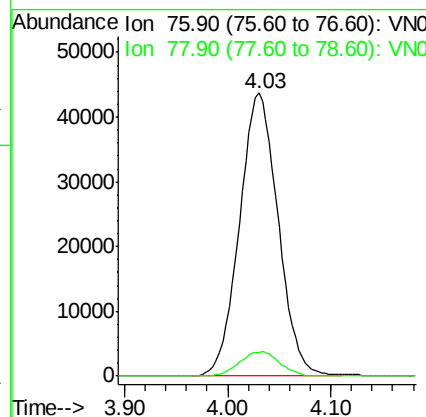
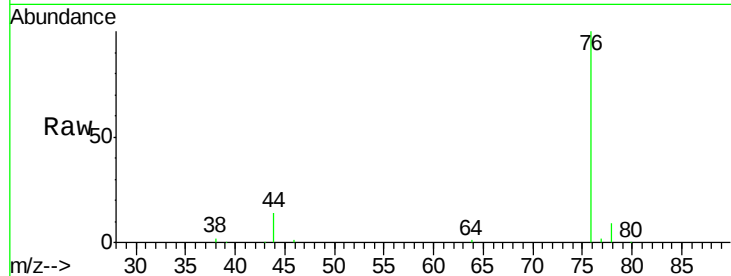
#17
Carbon Disulfide
Concen: 21.299 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

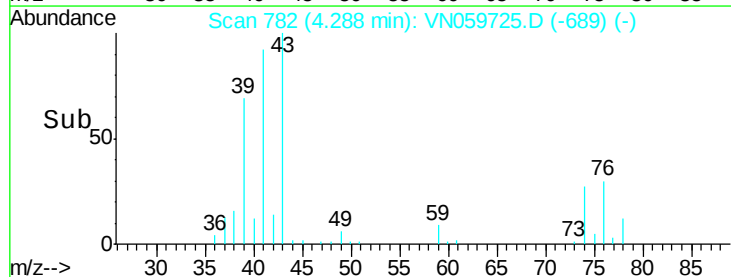
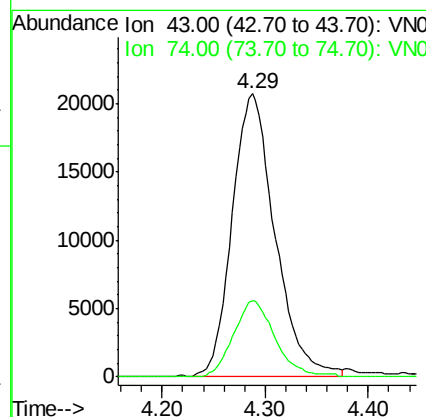
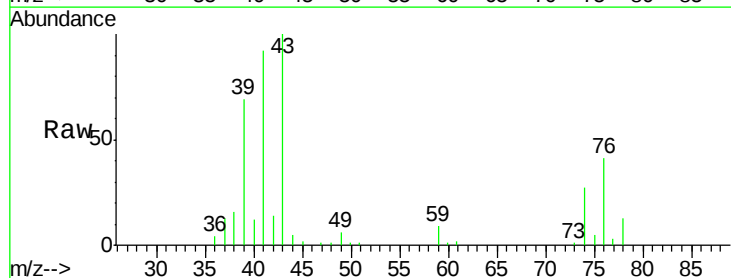
Manual Integrations
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1/17/2020 1:53:01 PM



#18
Methyl Acetate
Concen: 22.545 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	17.5	26.3





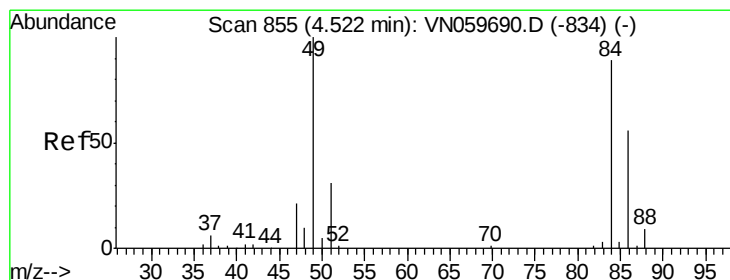
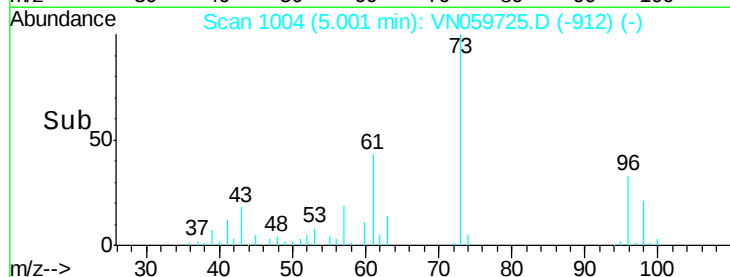
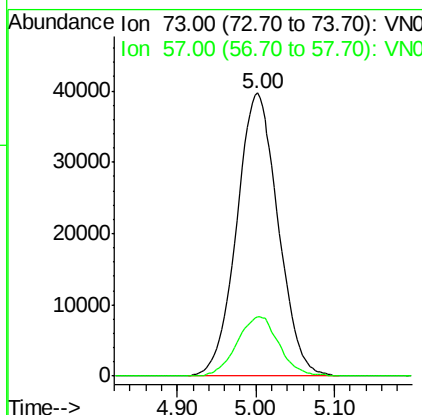
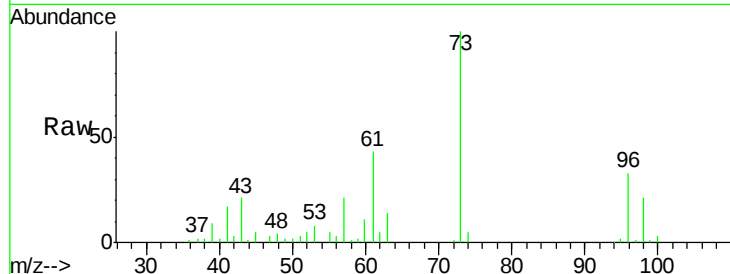
#19
Methvl tert-butvl Ether
Concen: 23.957 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion: 73 Resp: 146662
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

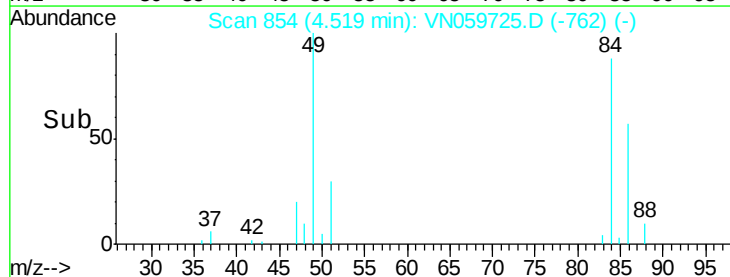
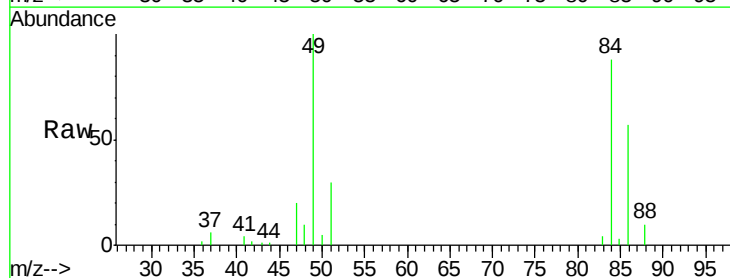
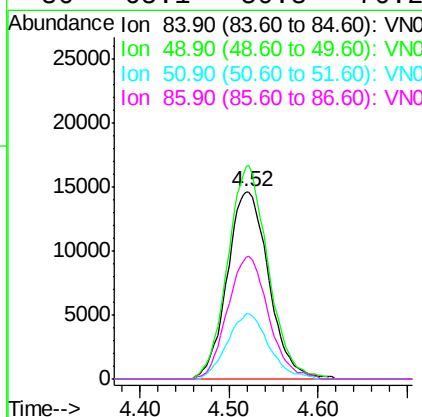
Manual Integrations
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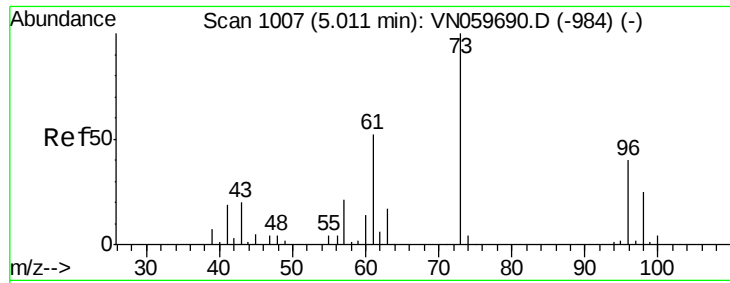
MMDadoda
1/17/2020 1:53:01 PM



#20
Methylene Chloride
Concen: 22.100 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion: 84 Resp: 47059
Ion Ratio Lower Upper
84 100
49 113.6 106.6 160.0
51 34.6 31.9 47.9
86 65.1 50.8 76.2





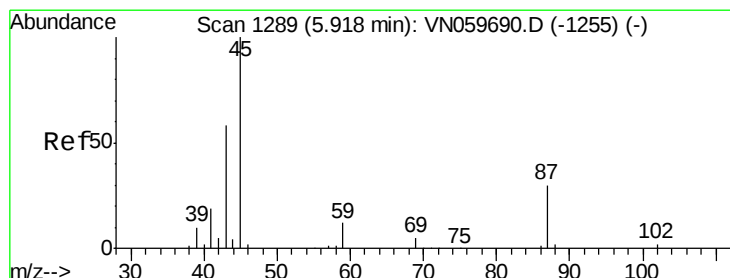
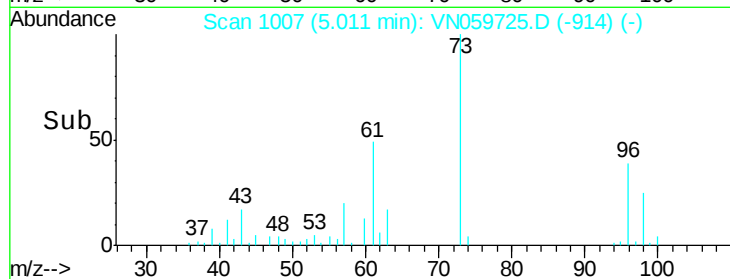
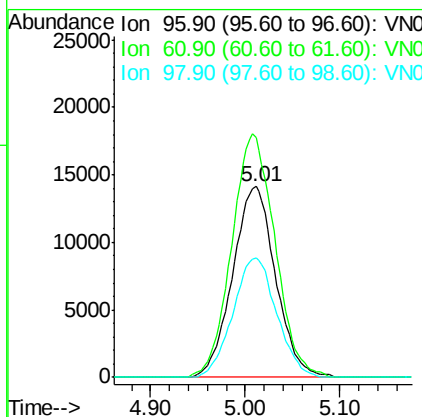
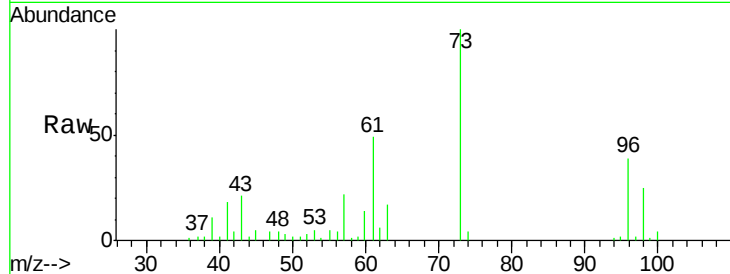
#21
trans-1,2-Dichloroethene
Concen: 22.356 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	120.4	180.6
98	62.6	50.6	75.8

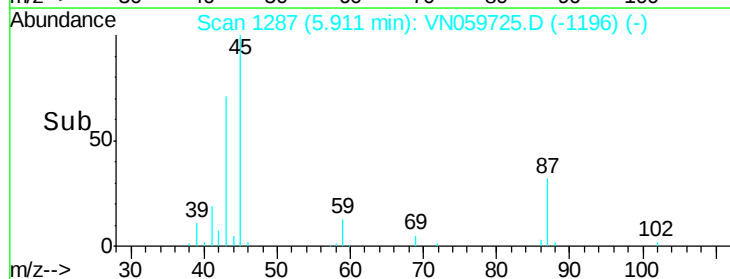
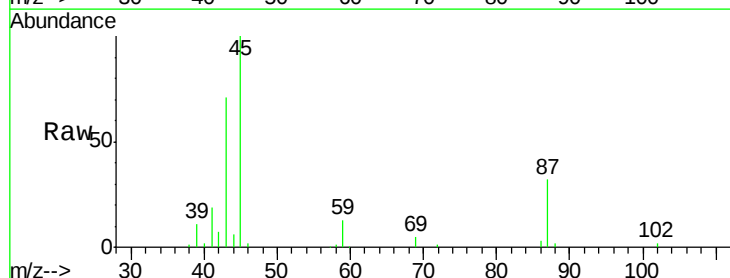
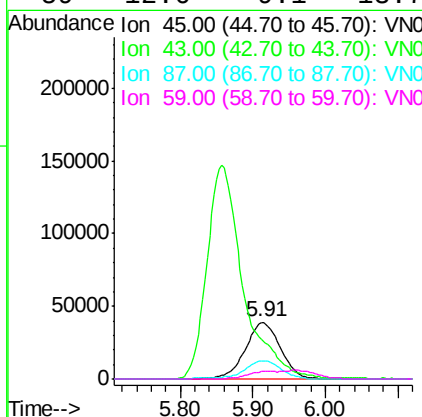
Manual Integrations
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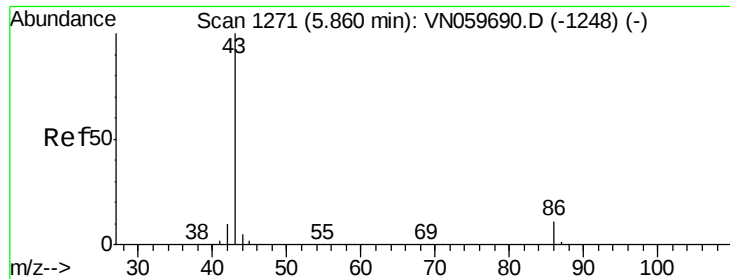
MMDadoda
1/17/2020 1:53:01 PM



#22
Diisopropyl ether
Concen: 22.913 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.1	50.8	76.2
87	31.9	21.0	31.6
59	12.6	9.1	13.7





#23

Vinyl Acetate

Concen: 114.823 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion: 43 Resp: 509875

Ion Ratio Lower Upper

43 100

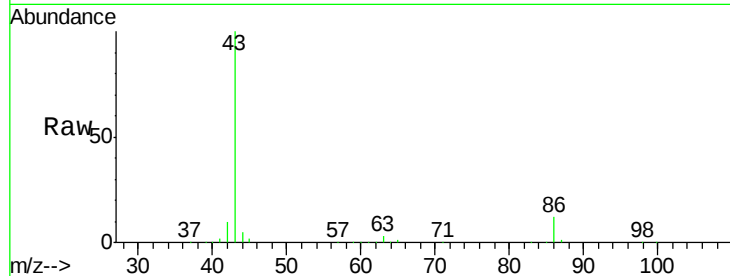
86 11.6 7.6 11.4#

Manual Integrations

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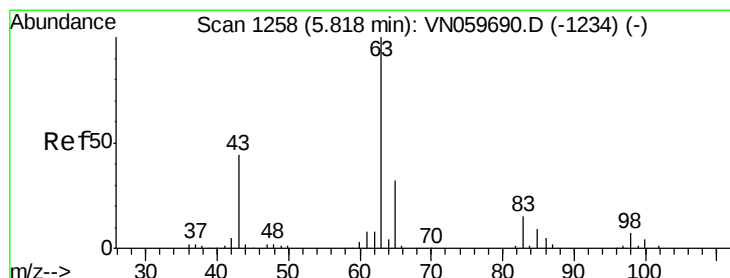
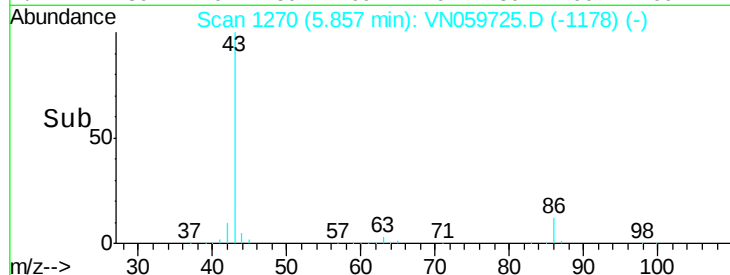
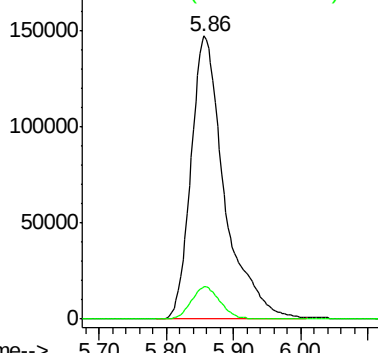
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.373 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

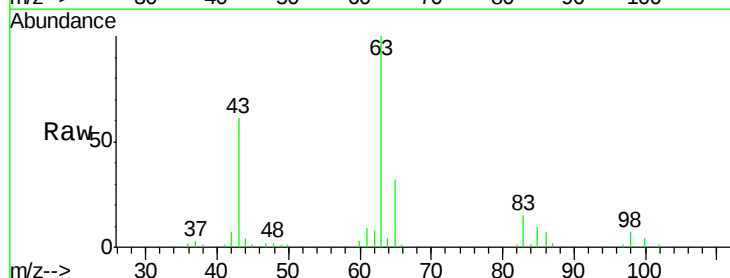
Tgt Ion: 63 Resp: 78403

Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.7

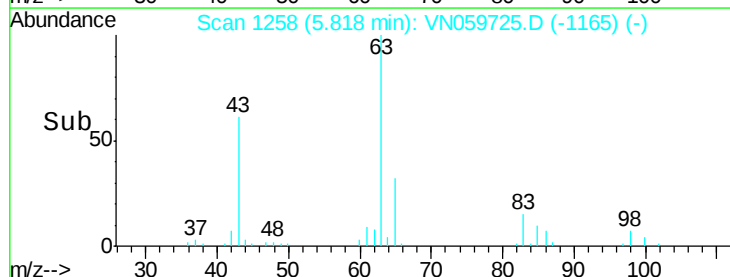
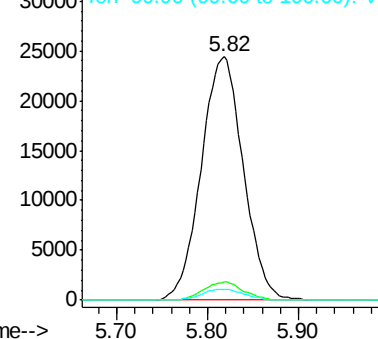
100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





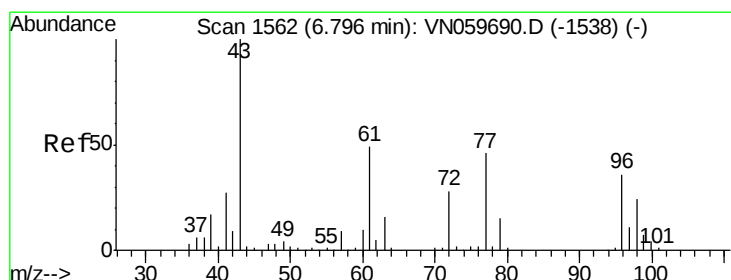
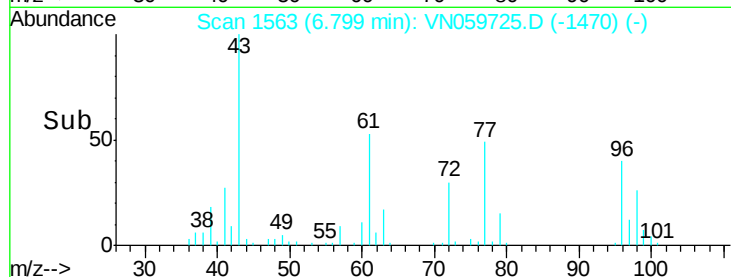
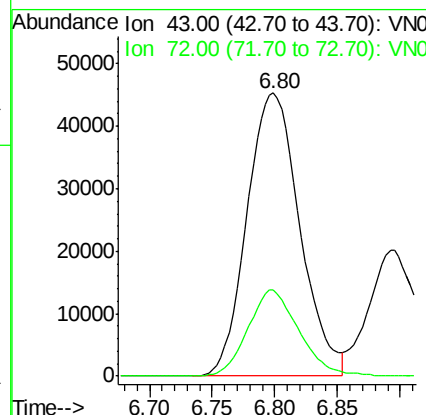
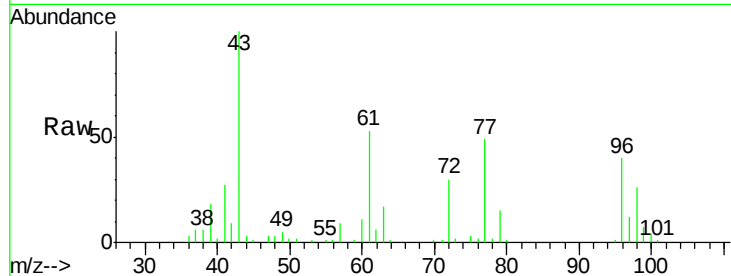
#25
2-Butanone
Concen: 102.988 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0116MBS01

Tot Ion: 43 Resp: 132922
Ion Ratio Lower Upper
43 100
72 30.5 19.9 29.9#

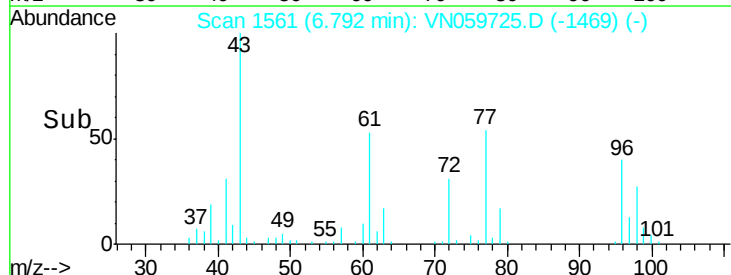
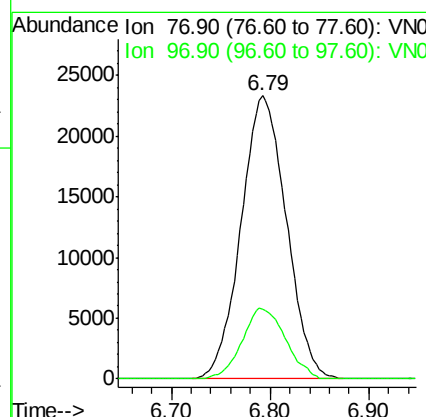
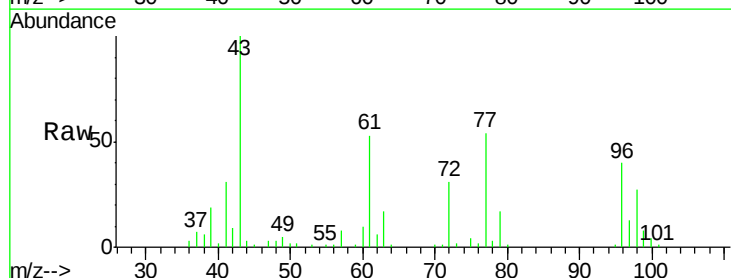
Manual Integrations
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1/17/2020 1:53:01 PM



#26
2,2-Dichloropropane
Concen: 21.982 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion: 77 Resp: 74058
Ion Ratio Lower Upper
77 100
97 24.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 23.023 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

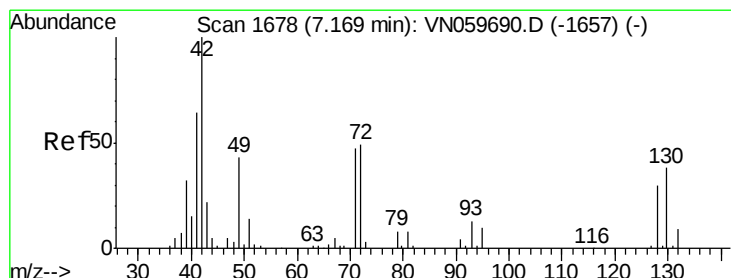
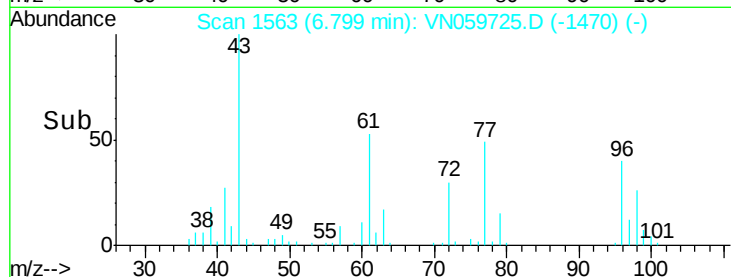
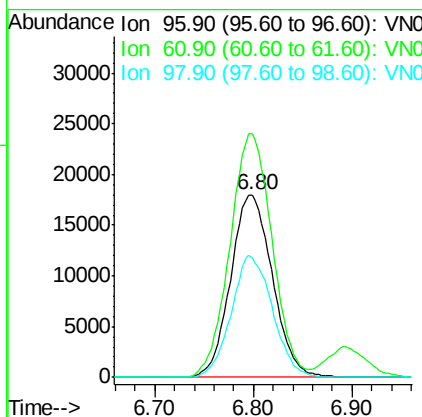
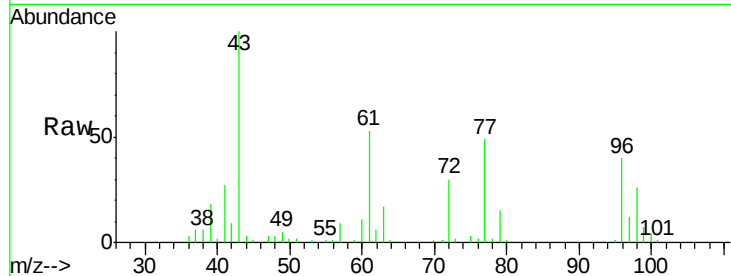
ClientSampleId :

VN0116MBS01

Tot Ion:	96	Resp:	52853
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	317.6
98	65.6	0.0	127.0

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#28

Bromochloromethane

Concen: 19.720 ug/l

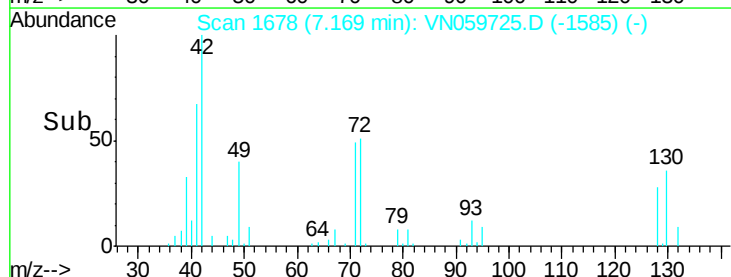
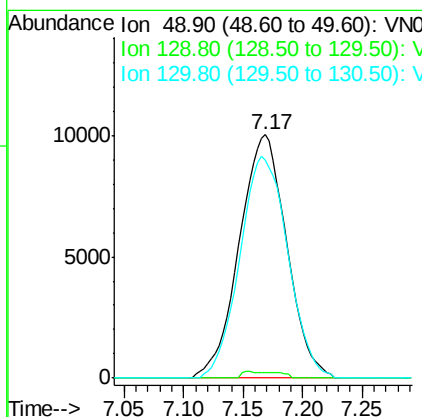
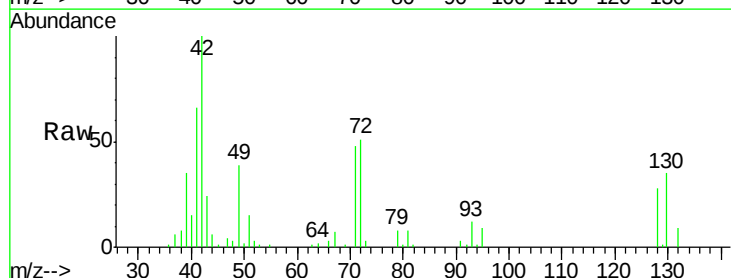
RT: 7.17 min Scan# 1678

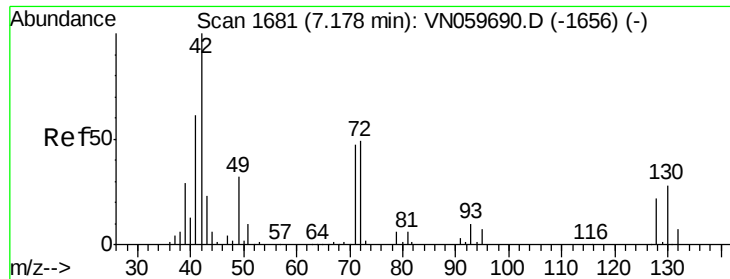
Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Tgt Ion:	49	Resp:	27621
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.4
130	92.3	54.7	82.1#





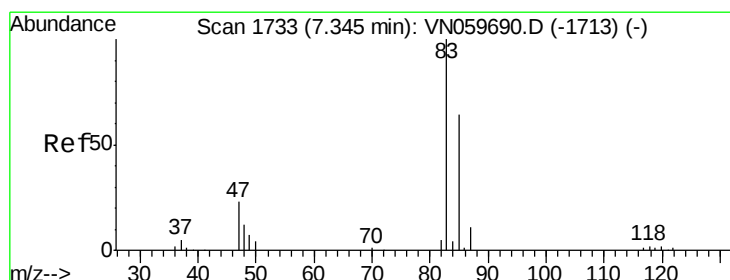
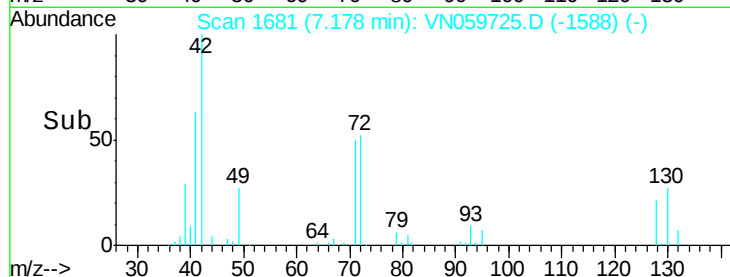
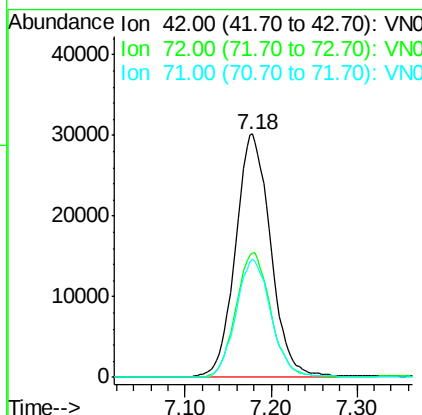
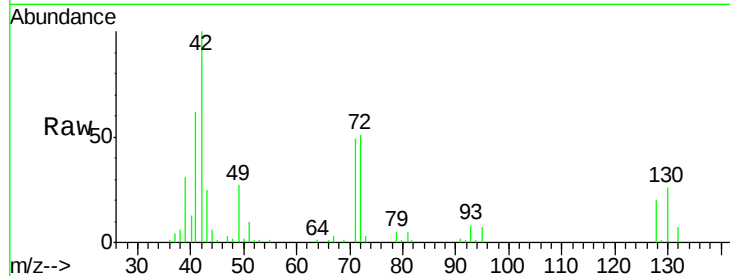
#29
Tetrahydrofuran
Concen: 107.440 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	33.1	49.7#
71	48.2	31.4	47.0#

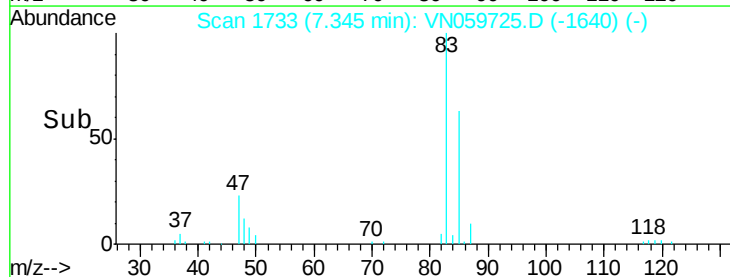
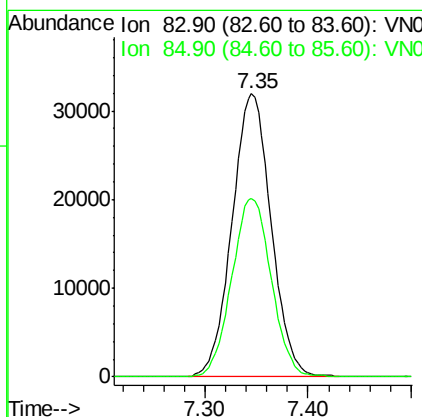
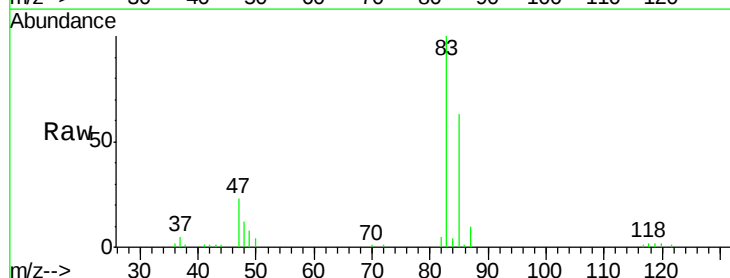
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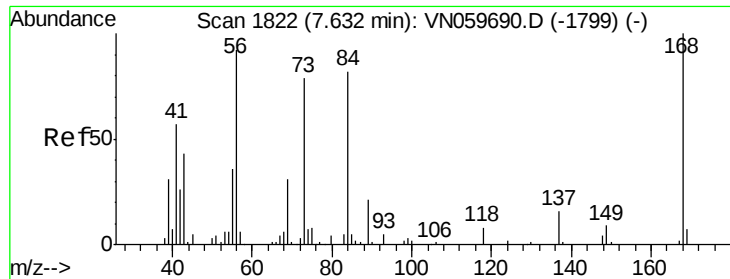
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#30
Chloroform
Concen: 23.165 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.4	78.6





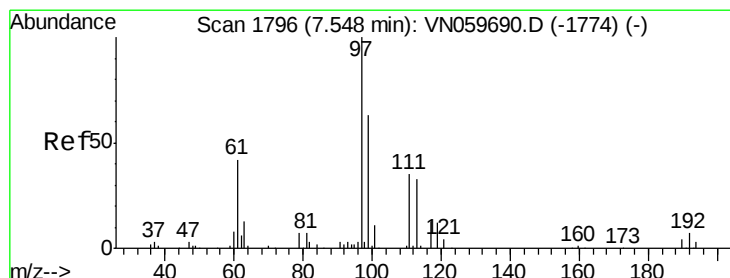
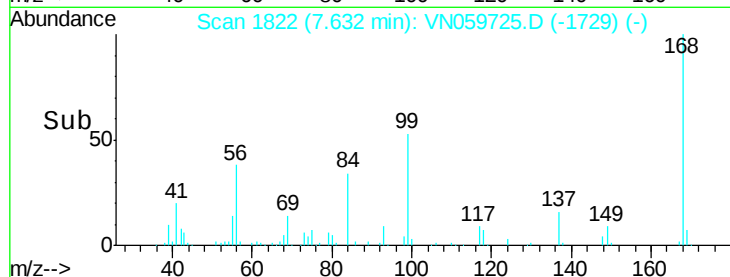
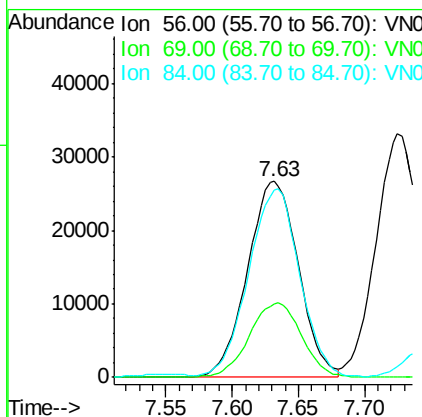
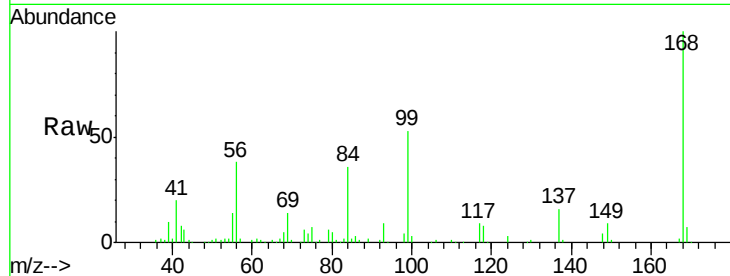
#31
Cyclohexane
Concen: 21.198 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	56	Resp	71484
Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.5	39.7
84	94.3	65.3	97.9

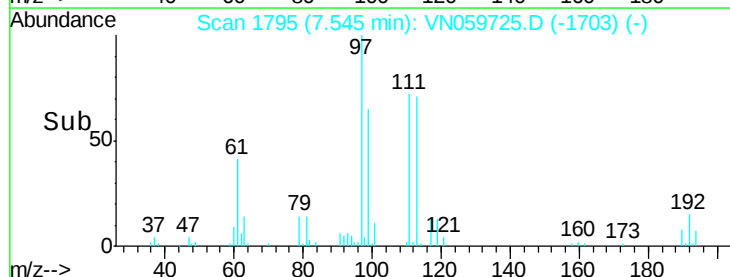
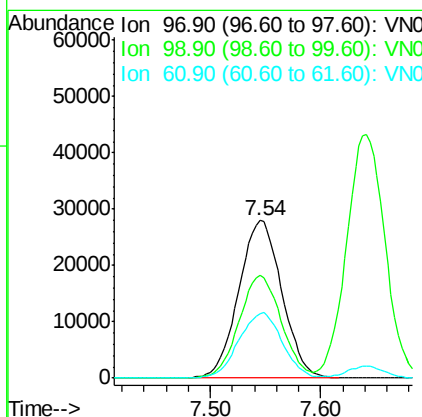
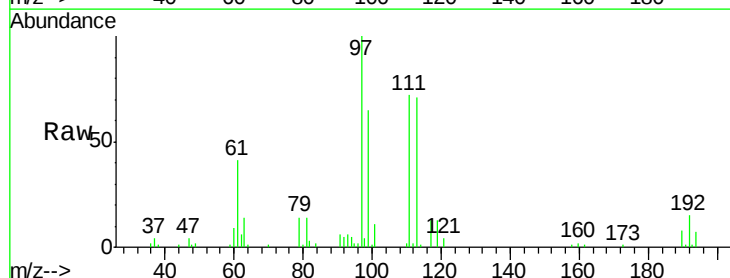
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#32
1,1,1-Trichloroethane
Concen: 22.592 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	97	Resp	75846
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	41.8	38.5	57.7





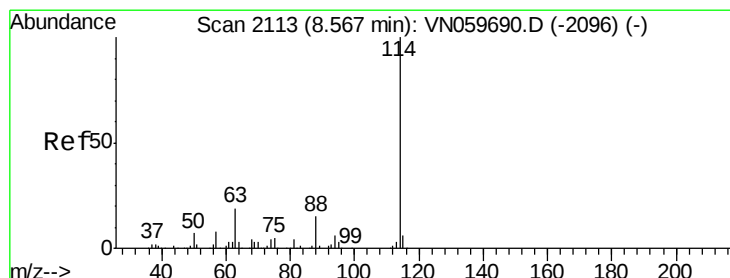
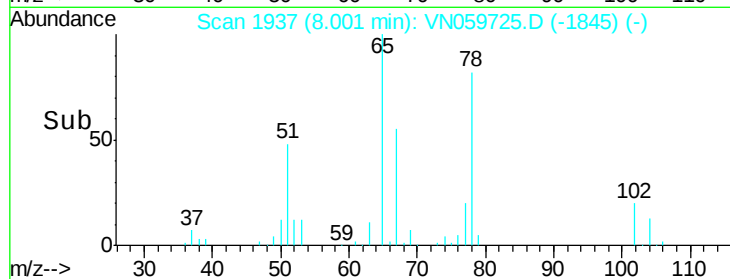
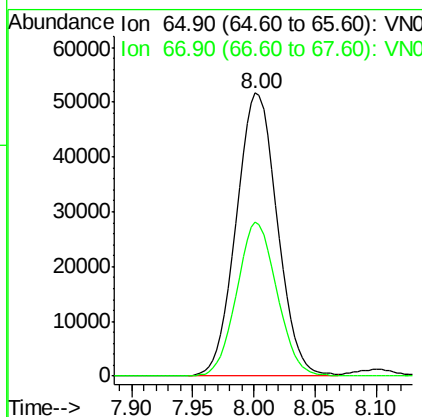
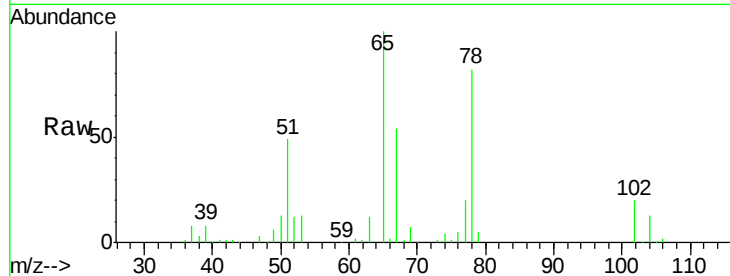
#33
 1,2-Dichloroethane-d4
 Concen: 52.876 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120511		
67	53.2	0.0	103.0	

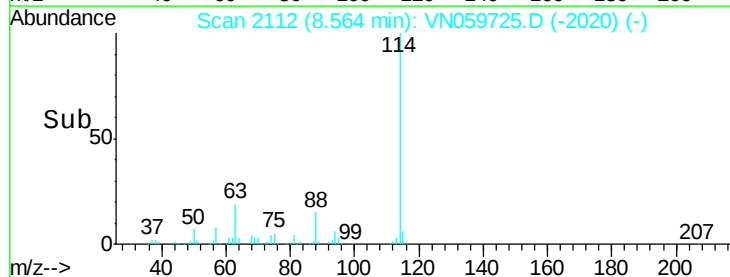
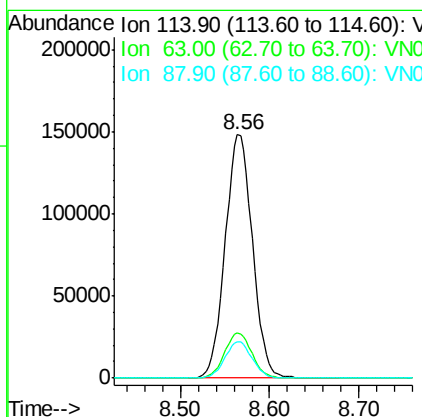
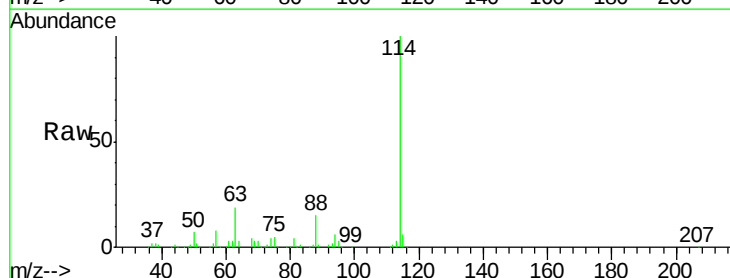
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	313413		
63	18.5	0.0	43.6	
88	15.1	0.0	31.4	





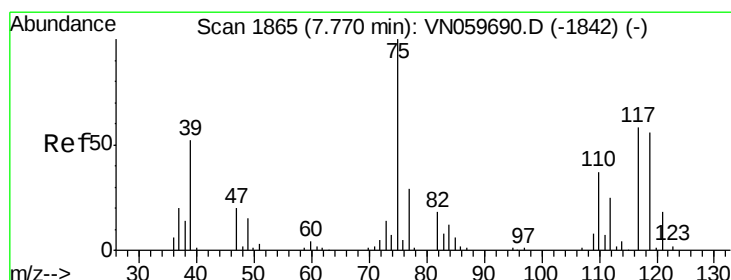
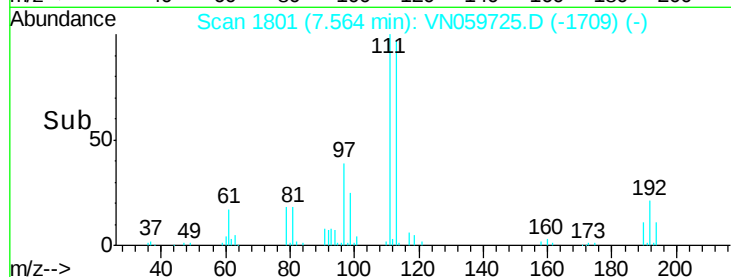
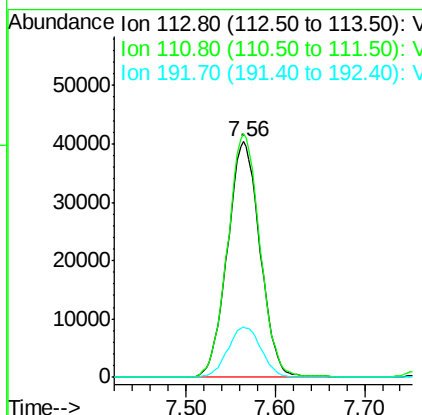
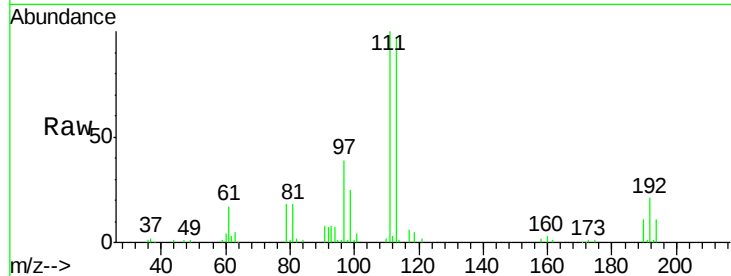
#35
 Dibromofluoromethane
 Concen: 54.800 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102422		
111	102.3		83.5	125.3
192	21.7		15.4	23.2

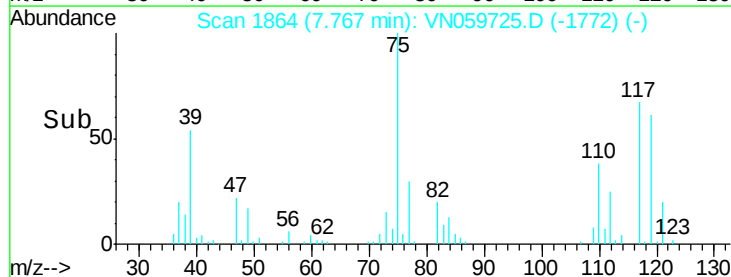
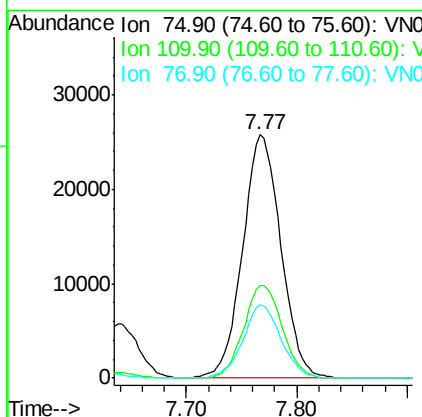
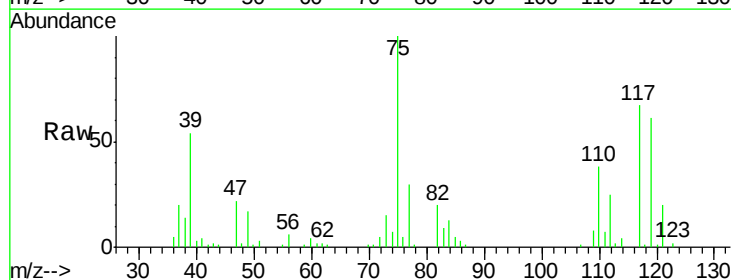
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#36
 1,1-Dichloropropene
 Concen: 22.671 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61877		
110	38.2		16.6	49.7
77	30.2		25.1	37.7





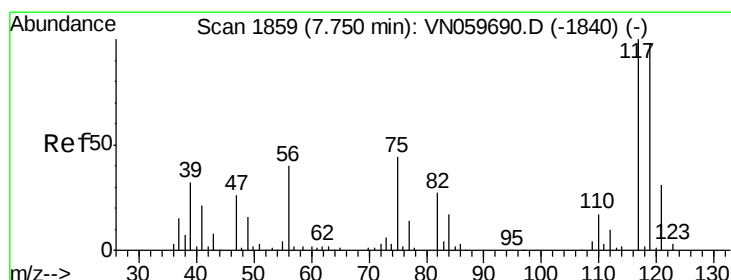
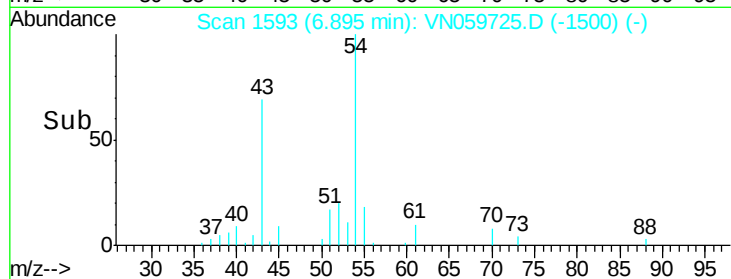
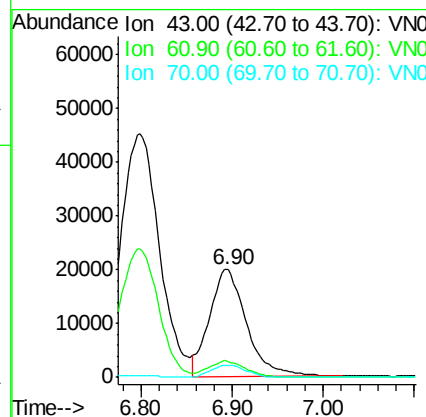
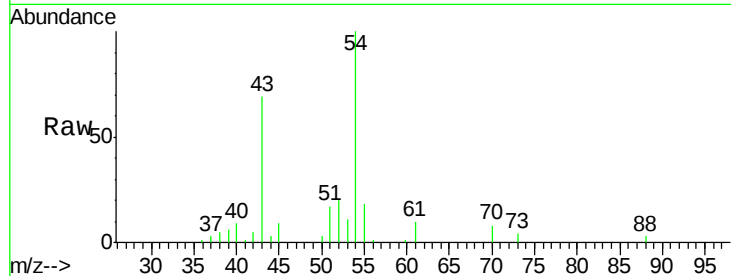
#37
Ethyl Acetate
Concen: 21.984 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0116MBS01

Tot Ion	43	61	70
Resp	56276		
Ratio	100	15.2	10.9
Lower		10.9	7.7
Upper		16.3	11.5

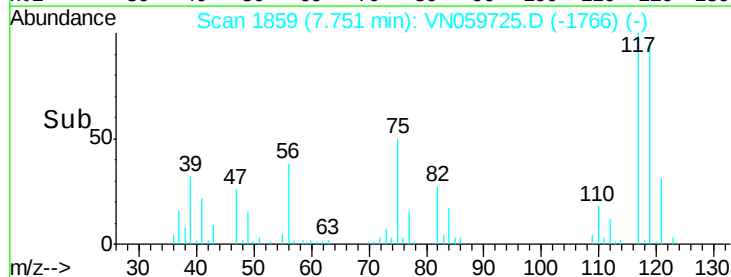
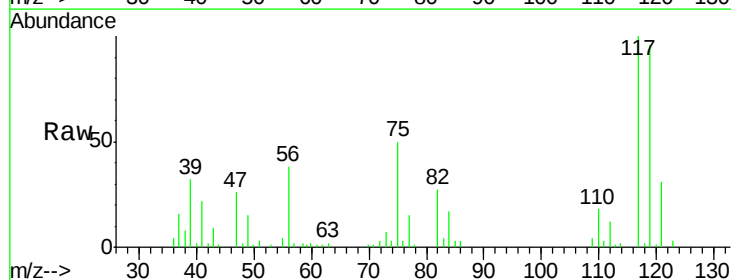
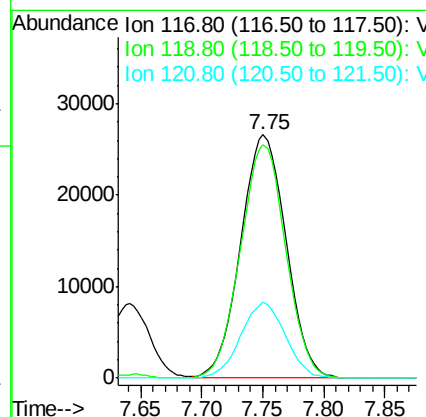
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#38
Carbon Tetrachloride
Concen: 23.135 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	117	119	121
Resp	68686		
Ratio	100	95.7	31.0
Lower		76.5	25.1
Upper		114.7	37.7





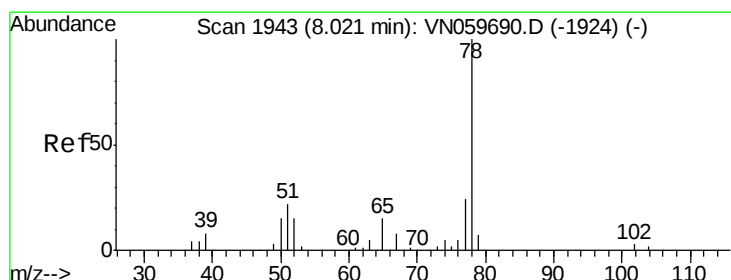
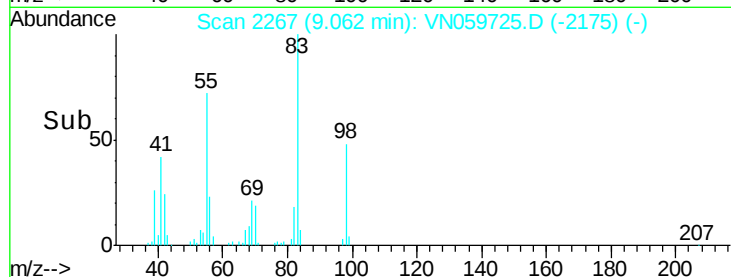
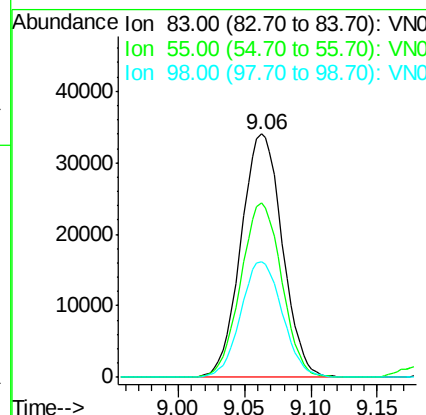
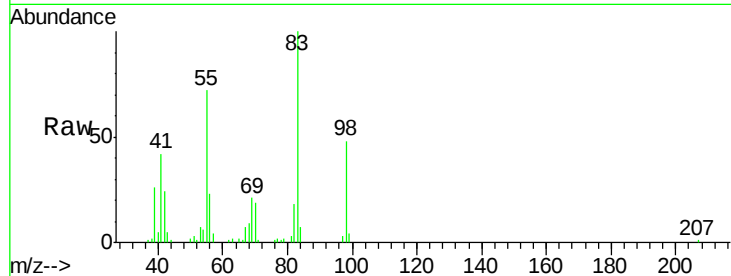
#39
Methvlcvclohexane
Concen: 21.920 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	83	Resp	73767
Ion Ratio	100	Lower	Upper
83	100		
55	71.6	64.2	96.2
98	47.5	35.9	53.9

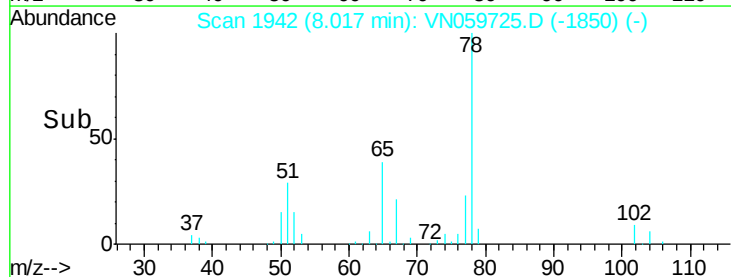
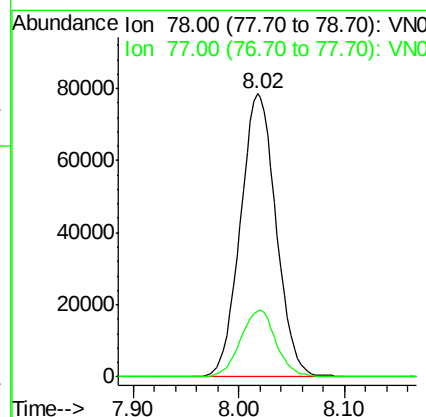
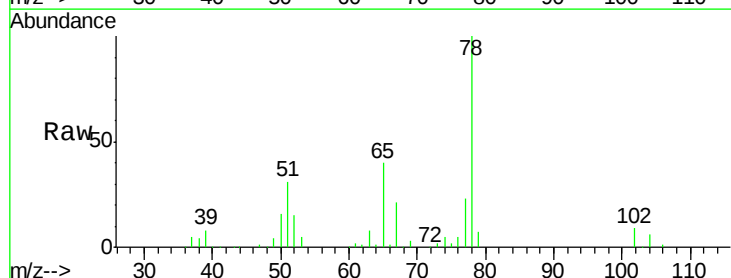
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#40
Benzene
Concen: 22.646 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	78	Resp	184333
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.9	28.3





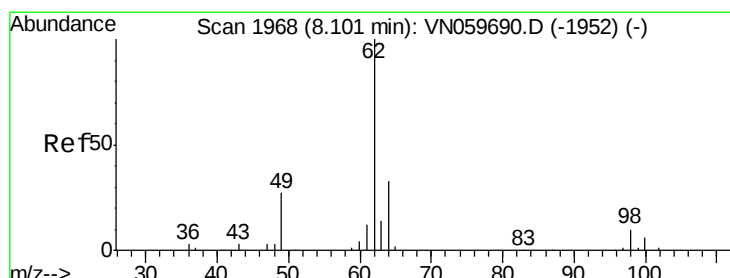
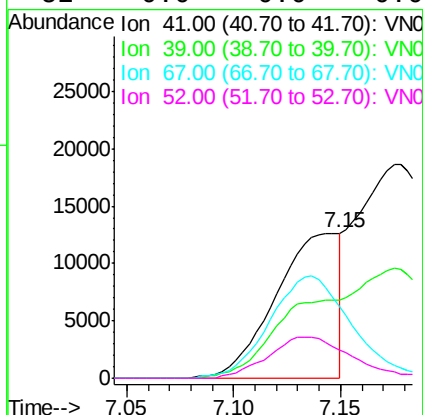
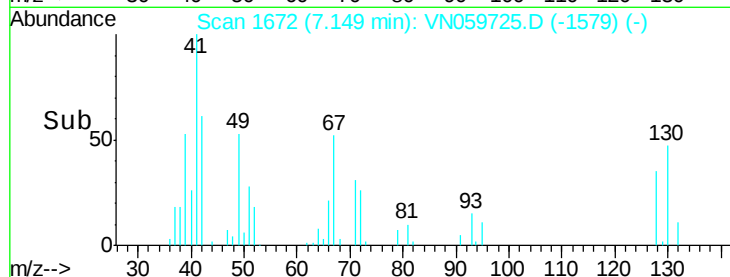
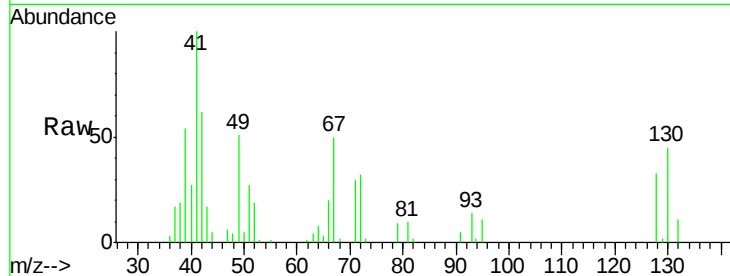
#41
Methacrylonitrile
Concen: 20.763 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0116MBS01

Tot Ion	41	Resp	26180
Ion	Ratio	Lower	Upper
41	100		
39	163.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

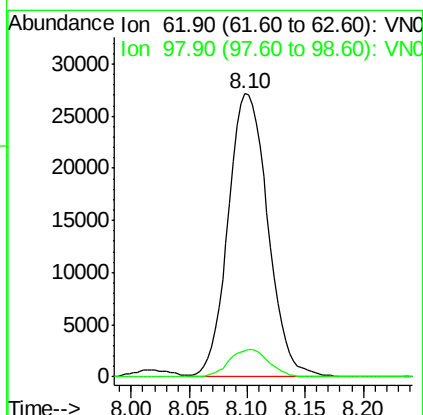
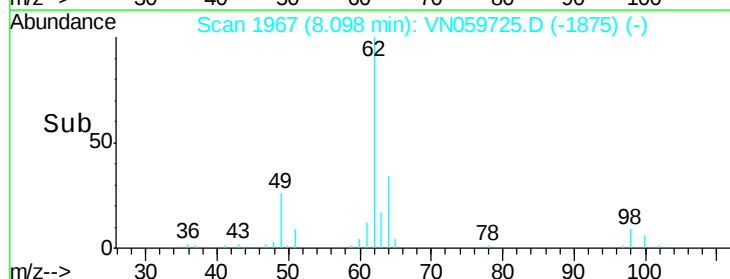
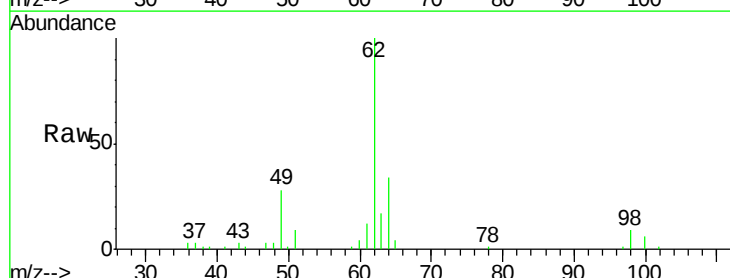
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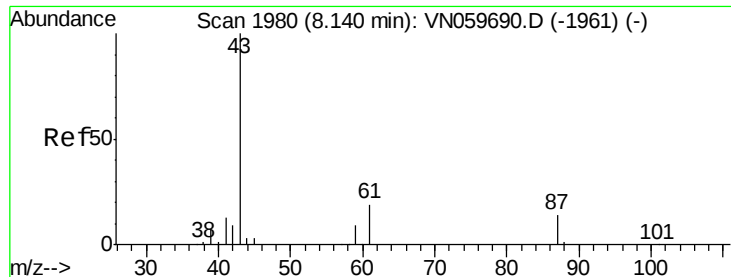
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#42
1,2-Dichloroethane
Concen: 23.491 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	62	Resp	64832
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	15.8





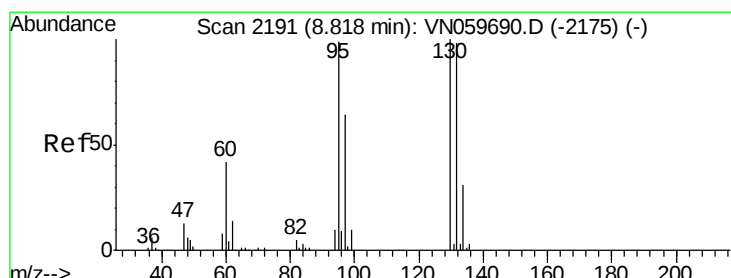
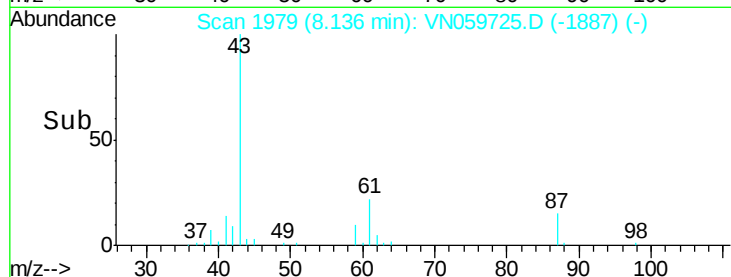
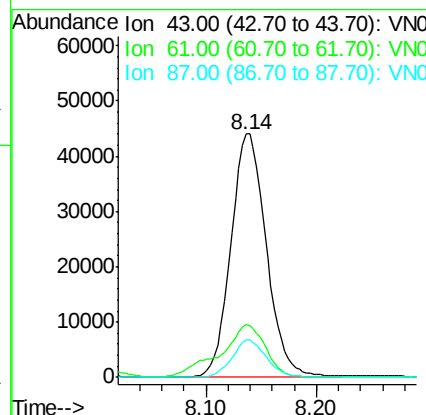
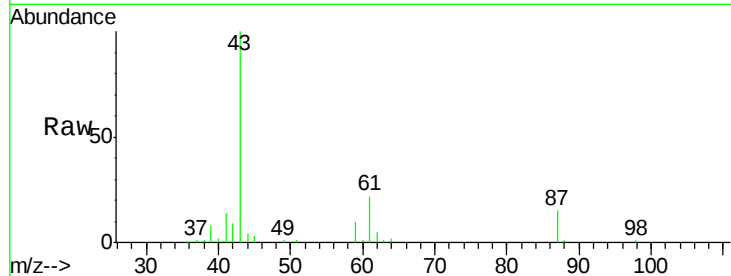
#43
Isopropyl Acetate
Concen: 22.326 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.2	30.2
87	14.8	9.5	14.3

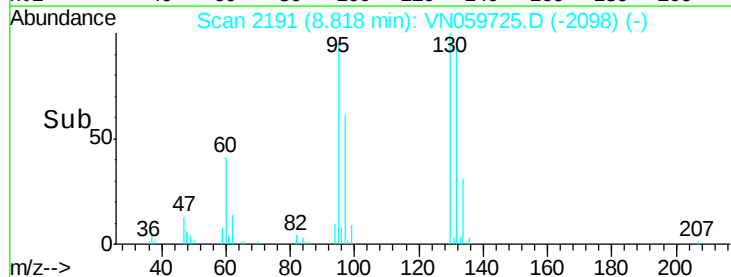
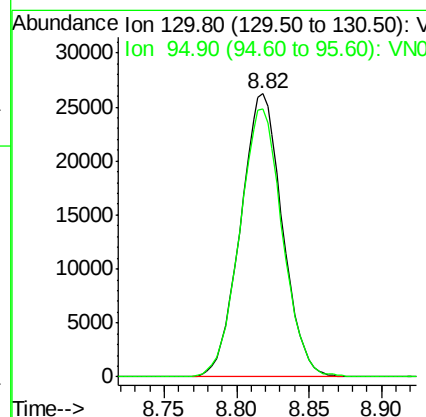
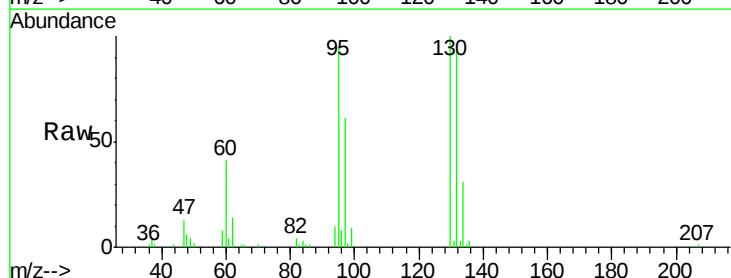
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#44
Trichloroethene
Concen: 23.647 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	207.0





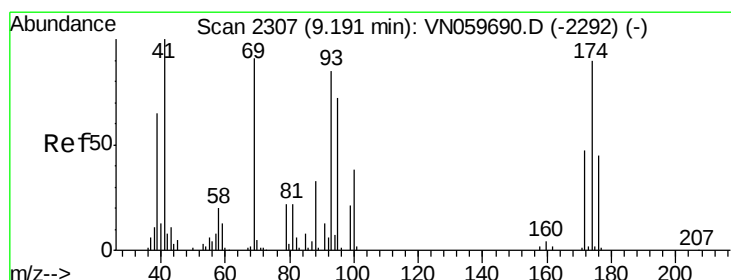
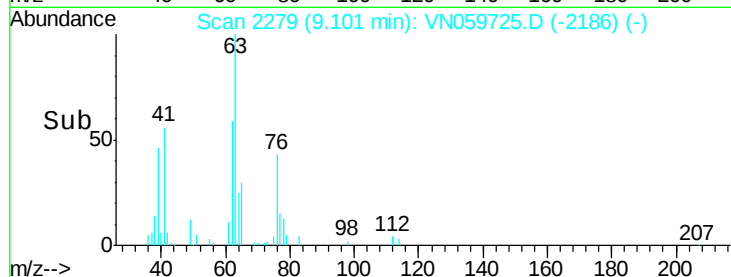
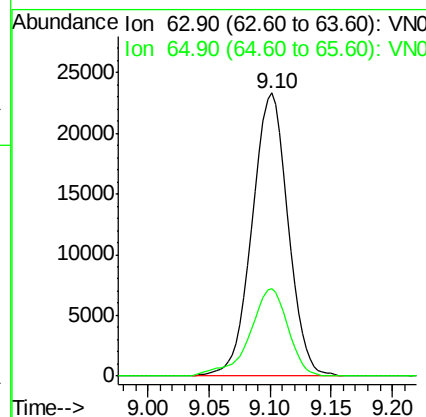
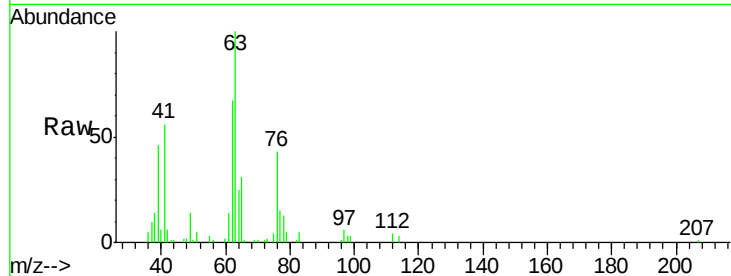
#45
 1,2-Dichloropropane
 Concen: 23.558 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116MBS01

Tot Ion: 63 Resp: 47450
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.9 37.3

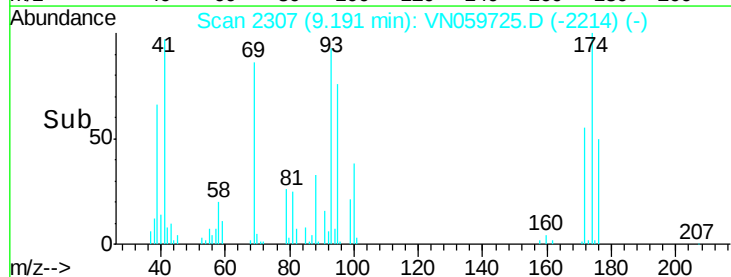
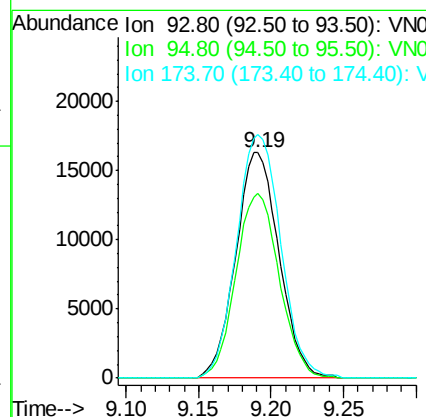
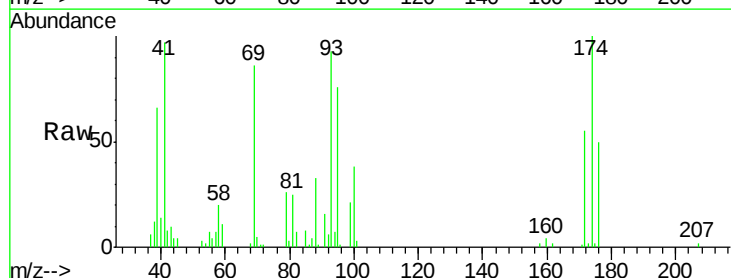
Manual Integrations
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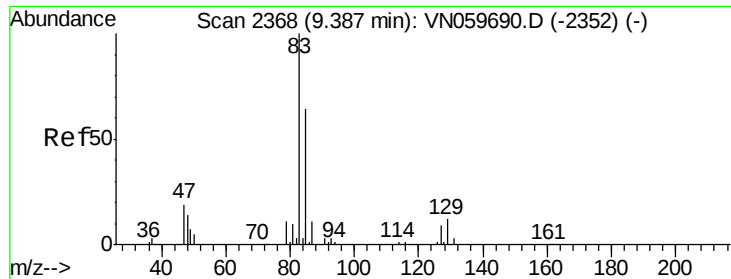
MMDadoda
 1/17/2020 1:53:01 PM



#46
 Dibromomethane
 Concen: 23.834 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion: 93 Resp: 33864
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.0 100.6
 174 110.2 73.4 110.2#





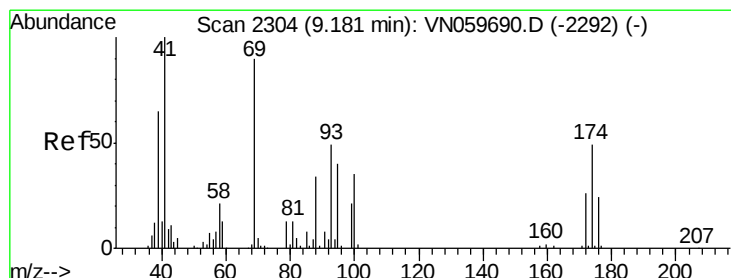
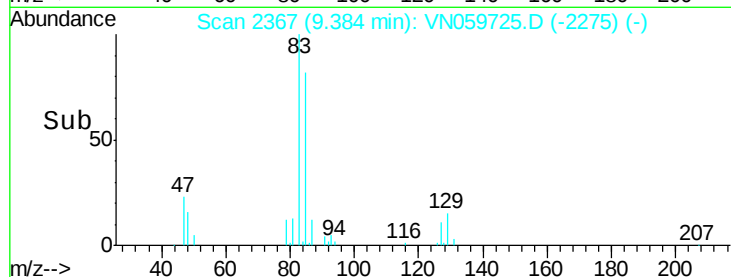
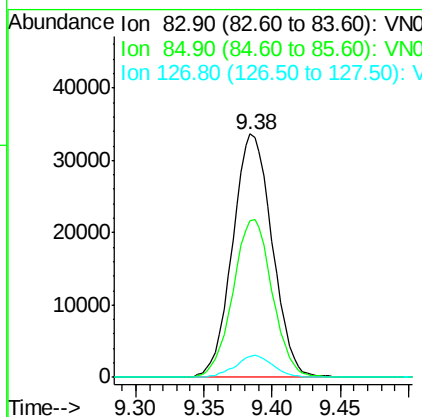
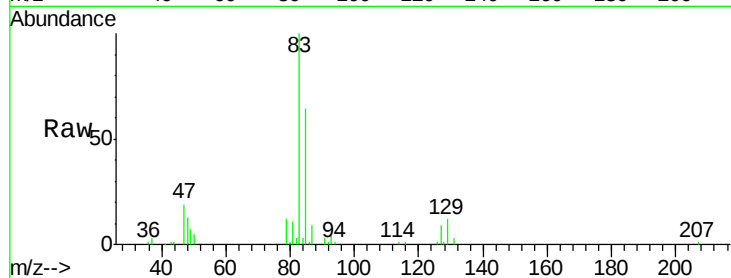
#47
Bromodichloromethane
Concen: 23.651 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	83	Resp	67718
Ion Ratio	100		
85	64.4	51.1	76.7
127	8.8	6.6	9.8

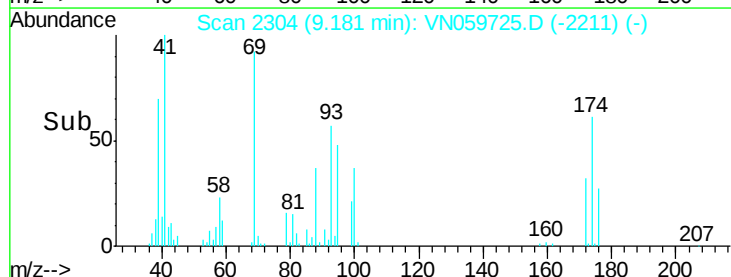
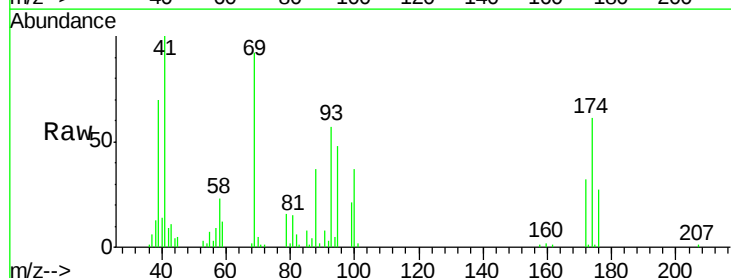
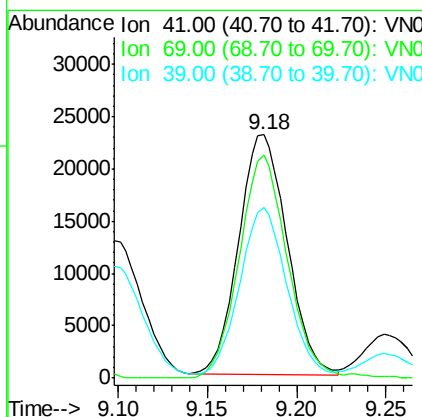
Manual Integrations
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MMDadoda
1/17/2020 1:53:01 PM



#48
Methyl methacrylate
Concen: 22.045 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	41	Resp	43418
Ion Ratio	100		
69	93.5	64.4	96.6
39	70.8	51.3	76.9





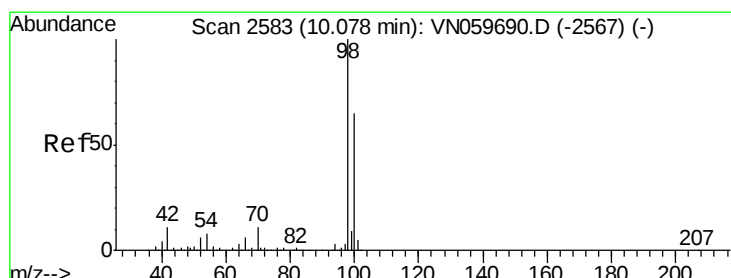
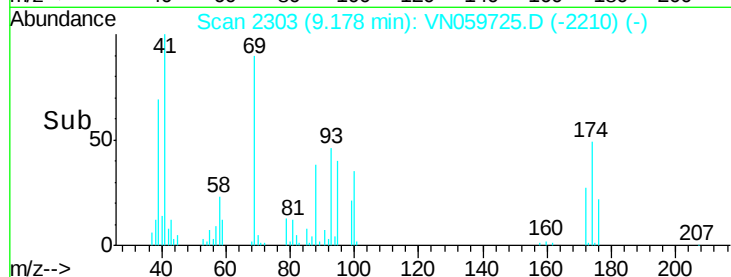
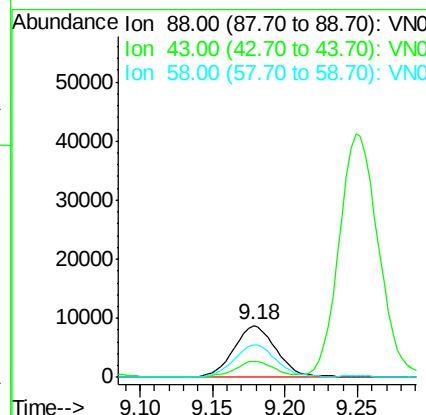
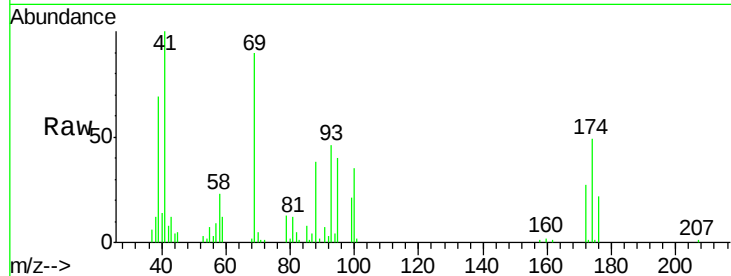
#49
1,4-Dioxane
Concen: 493.869 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	29.7	44.5
58	63.0	56.6	85.0

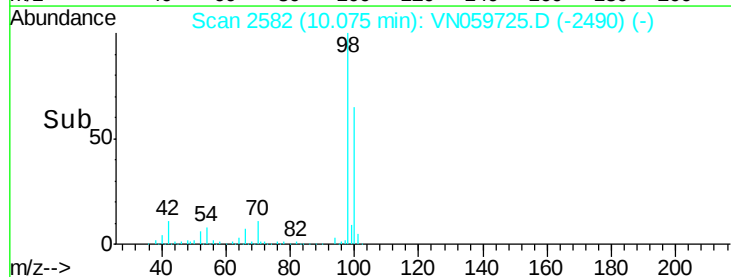
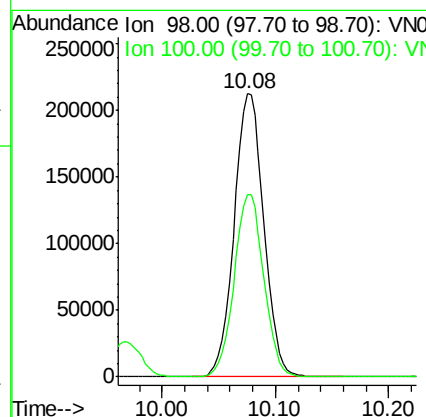
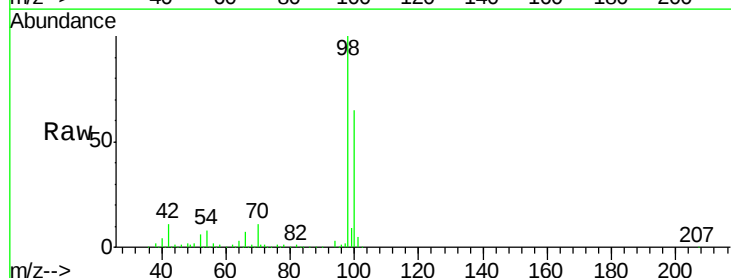
Manual Integrations
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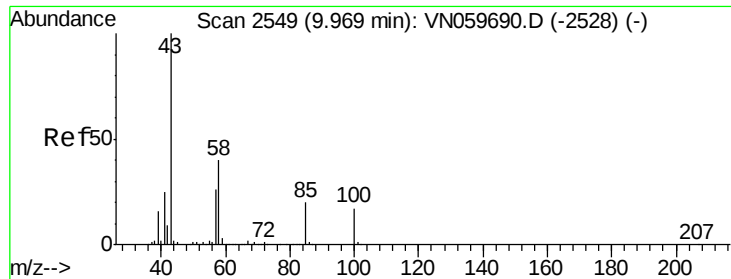
MMDadoda
1/17/2020 1:53:01 PM



#50
Toluene-d8
Concen: 53.455 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 110.379 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion: 43 Resp: 280946

Ion Ratio Lower Upper

43 100

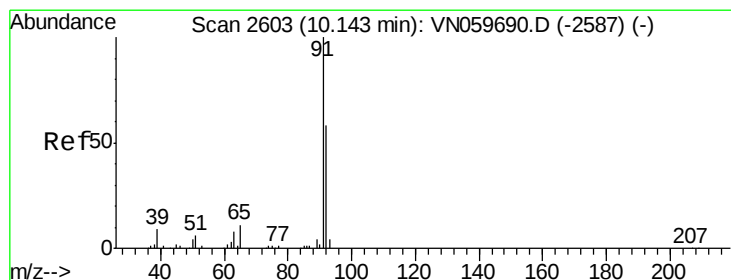
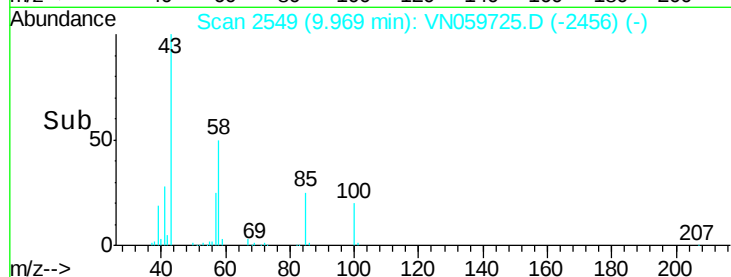
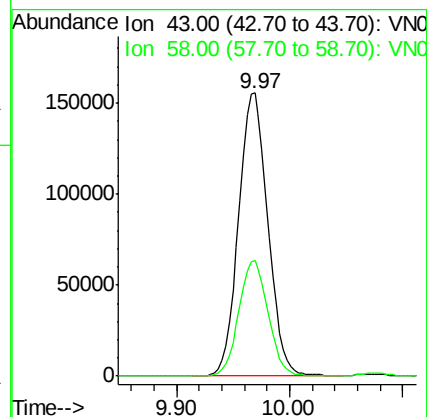
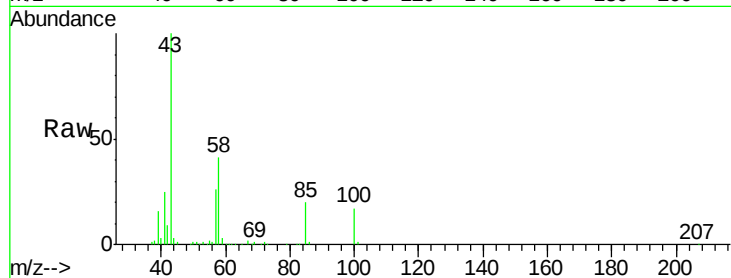
58 40.6 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 23.284 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059725.D

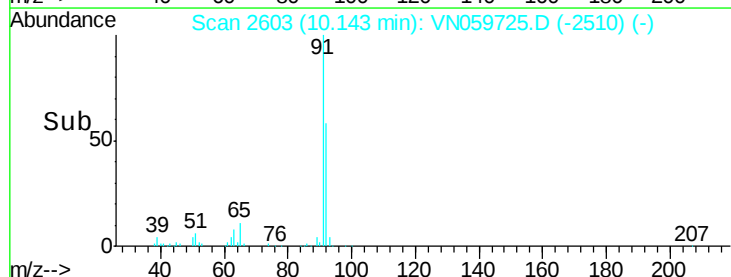
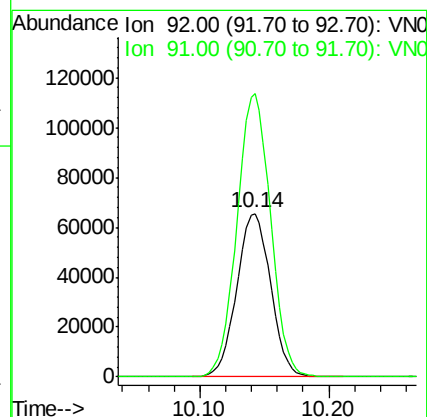
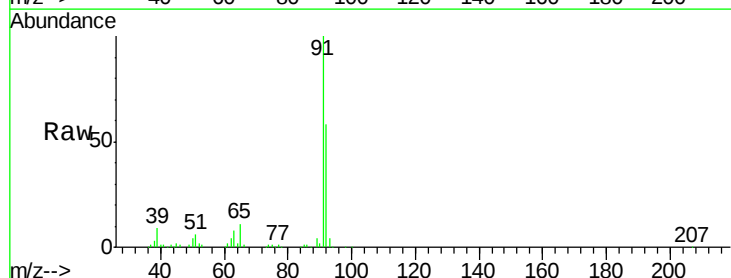
Acq: 16 Jan 2020 12:24

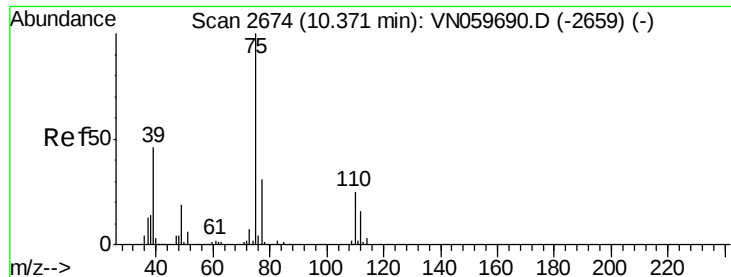
Tgt Ion: 92 Resp: 119712

Ion Ratio Lower Upper

92 100

91 172.2 140.4 210.6





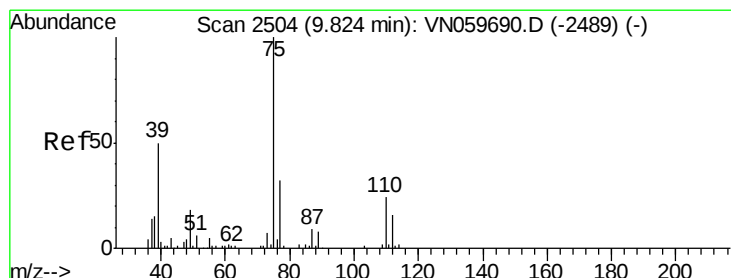
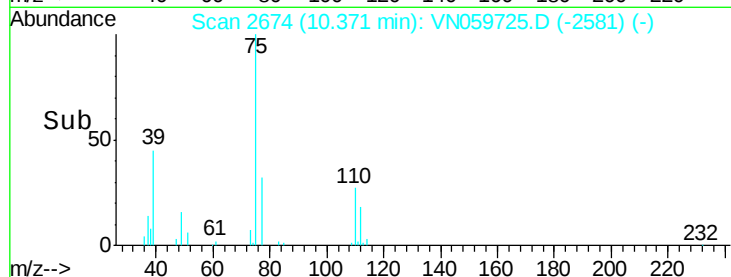
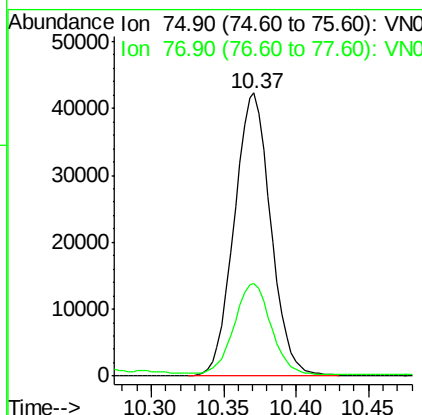
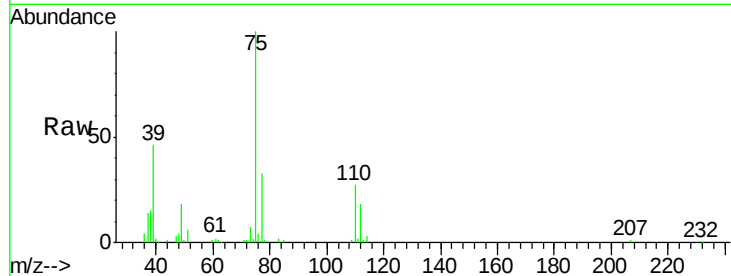
#53
 t-1,3-Dichloropropene
 Concen: 23.223 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion: 75 Resp: 74245
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2

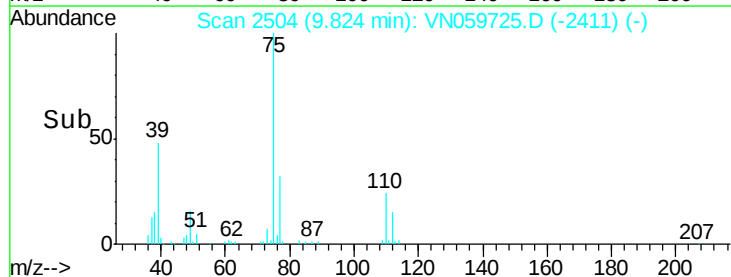
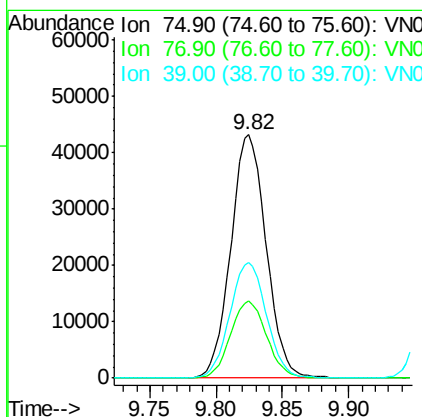
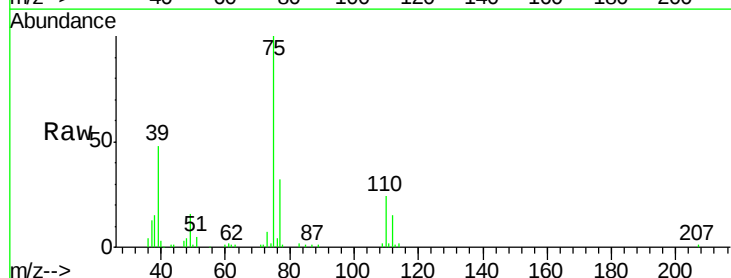
Manual Integrations
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 1/17/2020 1:53:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 23.846 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion: 75 Resp: 80216
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 47.6 46.1 69.1





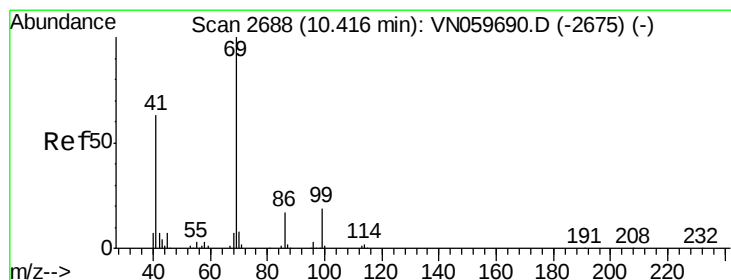
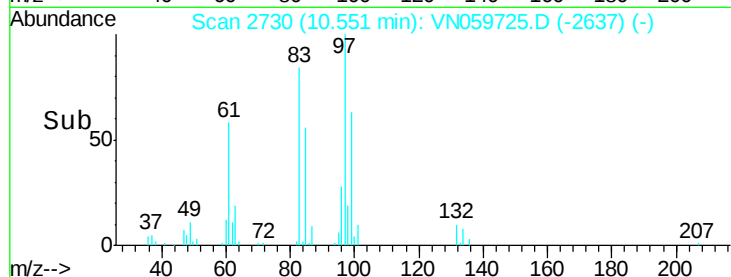
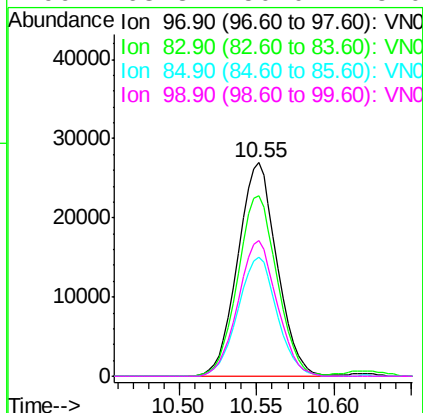
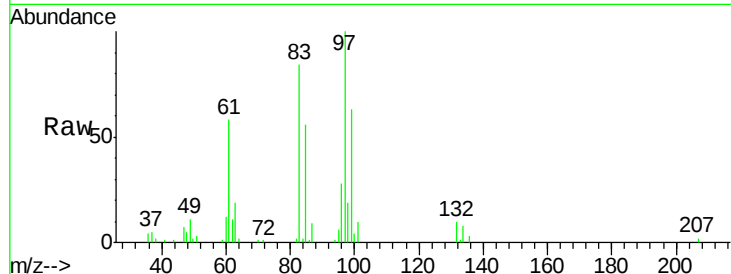
#55
 1,1,2-Trichloroethane
 Concen: 23.372 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.4	71.3	106.9
85	55.9	45.8	68.8
99	63.3	50.0	75.0

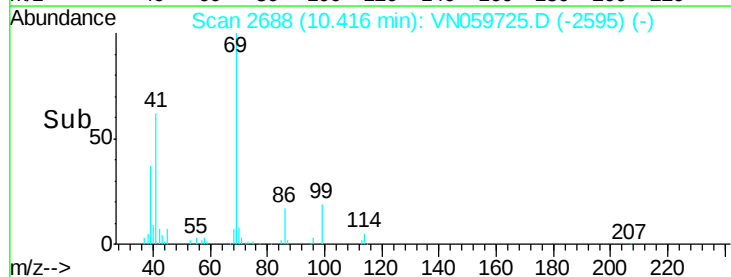
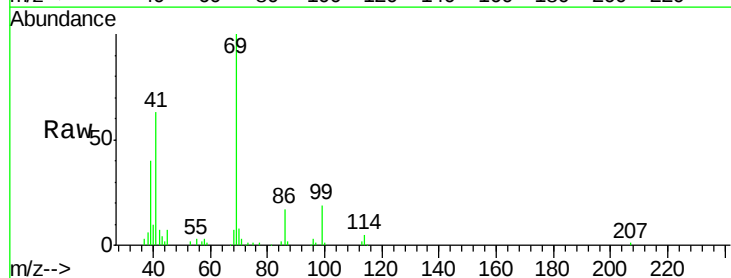
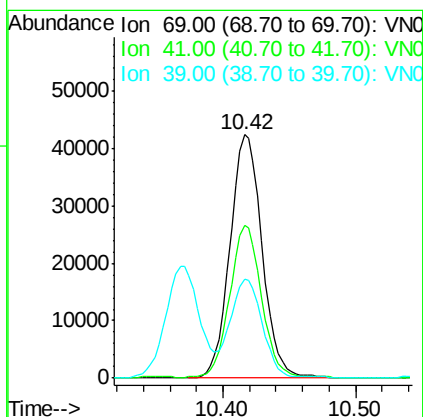
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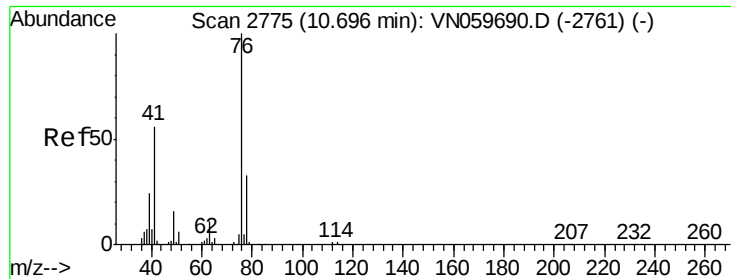
MMDadoda
 1/17/2020 1:53:01 PM



#56
 Ethyl methacrylate
 Concen: 22.875 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.7	57.1	85.7
39	41.6	34.7	52.1





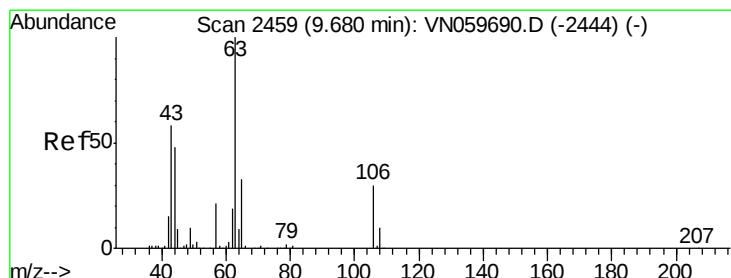
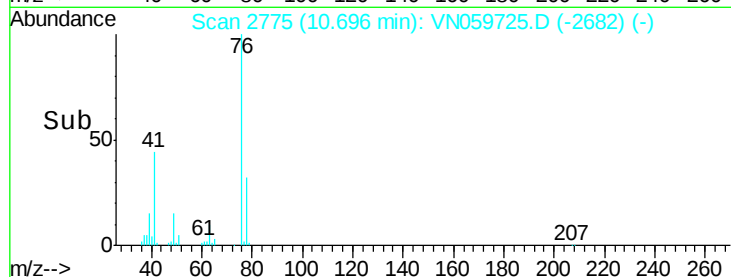
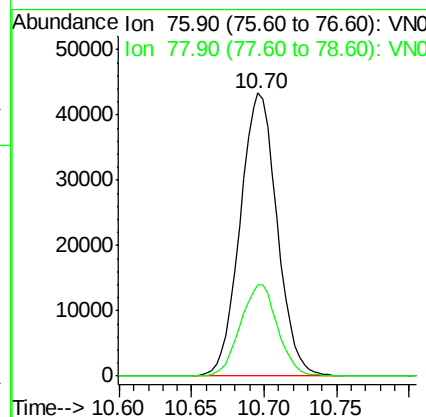
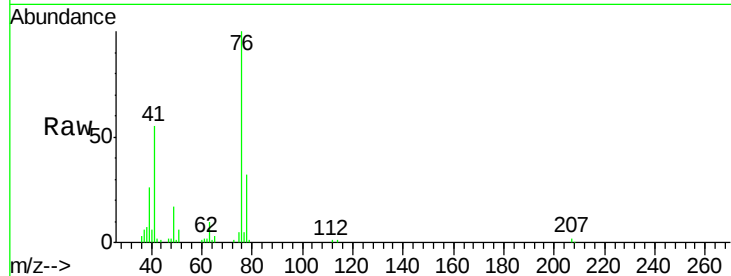
#57
 1,3-Dichloropropane
 Concen: 23.771 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

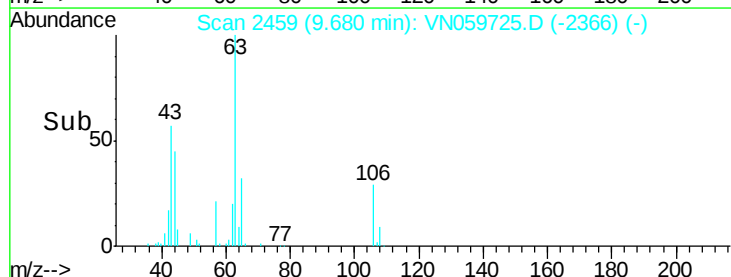
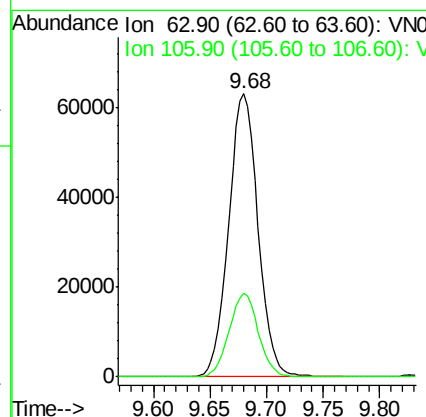
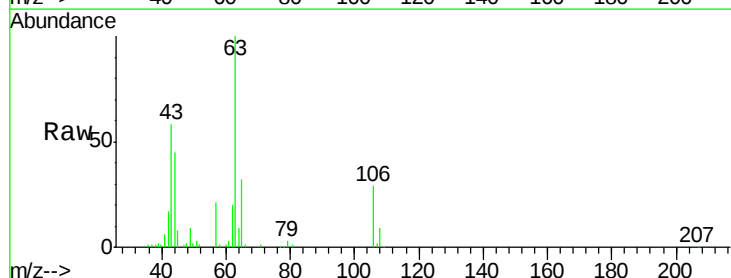
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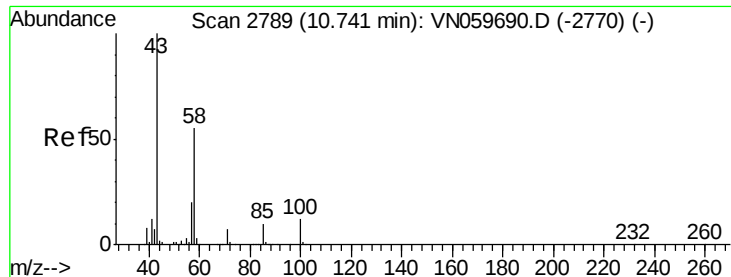
MMDadoda
 1/17/2020 1:53:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.872 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	20.2	30.2





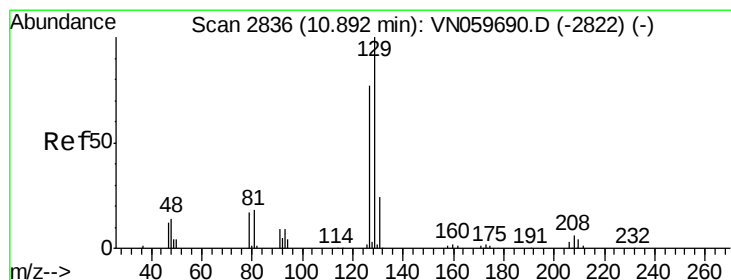
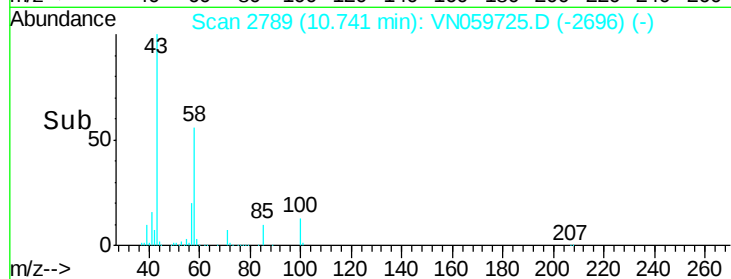
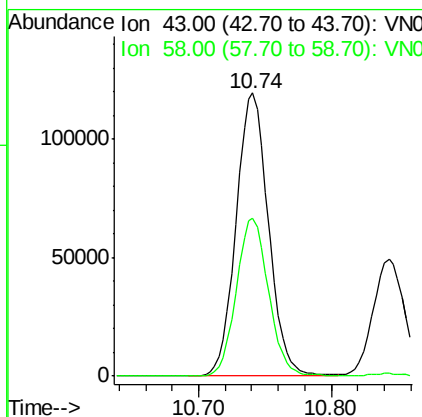
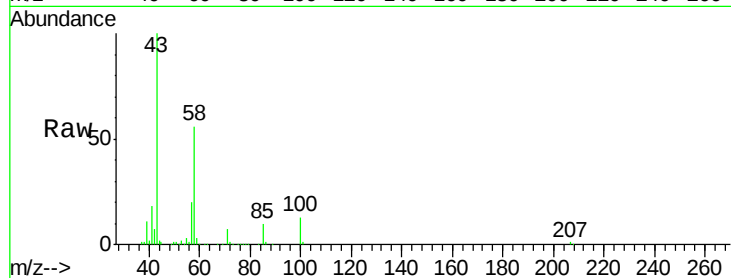
#59
2-Hexanone
Concen: 107.977 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	43	Resp	202470
Ion Ratio	Lower	Upper	
43	100		
58	55.7	25.8	77.3

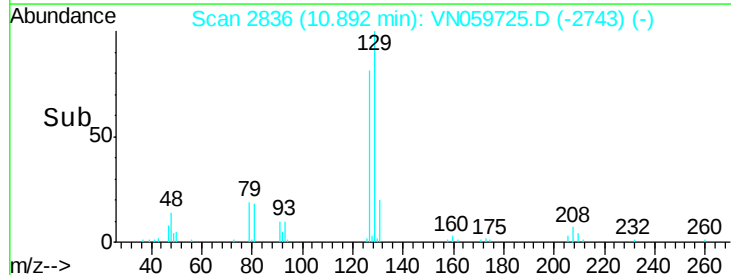
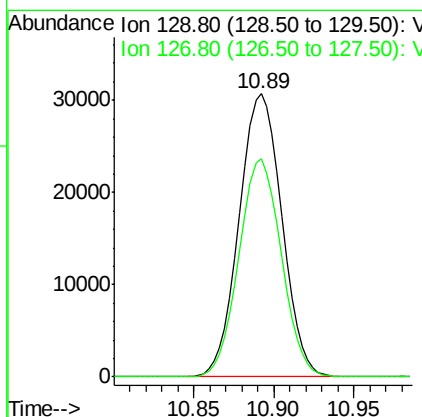
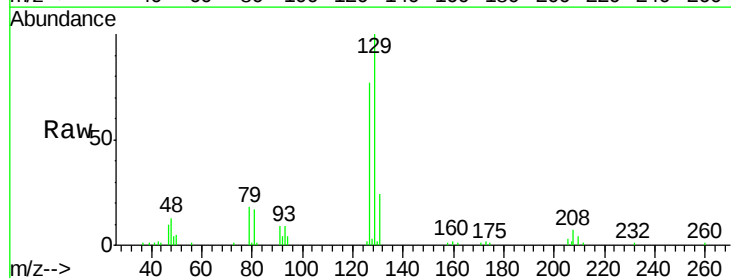
Manual Integrations
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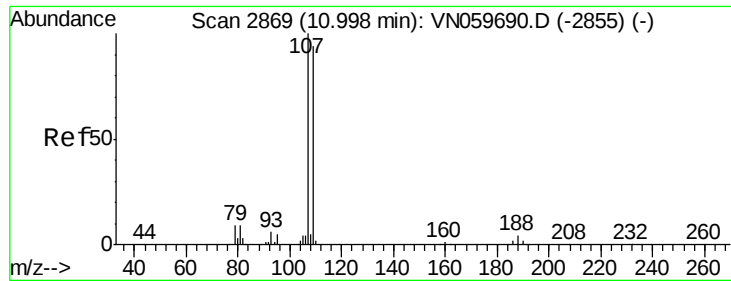
MMDadoda
1/17/2020 1:53:01 PM



#60
Dibromochloromethane
Concen: 24.162 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	129	Resp	56030
Ion Ratio	Lower	Upper	
129	100		
127	76.3	38.5	115.5





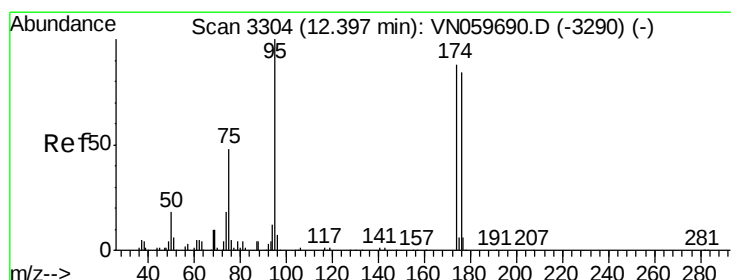
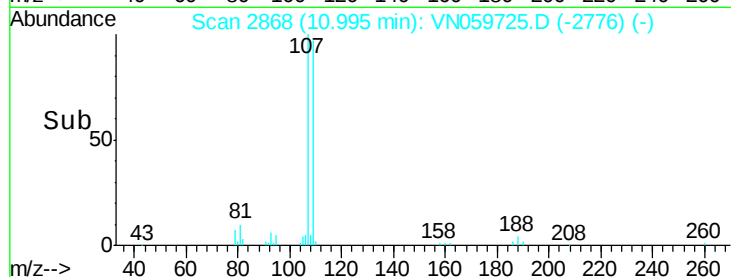
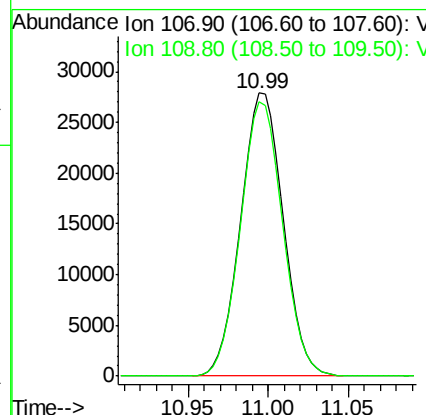
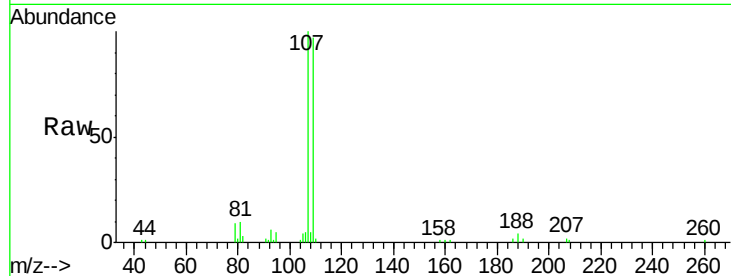
#61
 1,2-Dibromoethane
 Concen: 23.666 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion: 107 Resp: 50510
 Ion Ratio Lower Upper
 107 100
 109 96.2 76.6 115.0

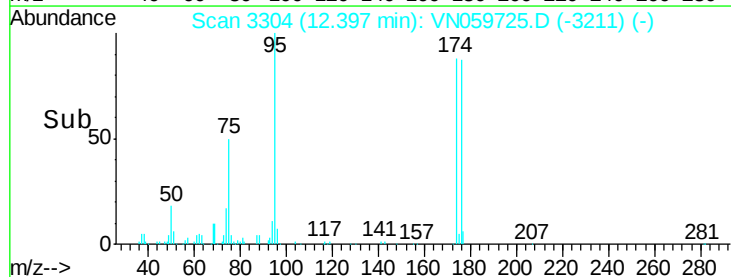
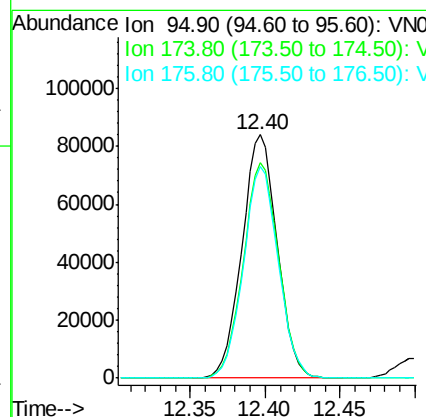
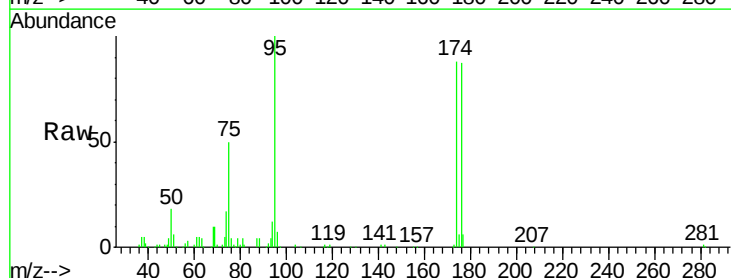
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.696 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion: 95 Resp: 137566
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 151.4
 176 86.1 0.0 146.0





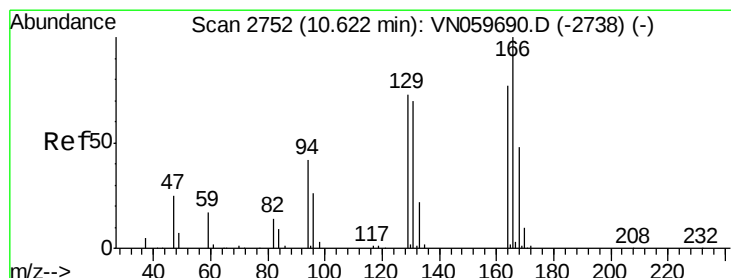
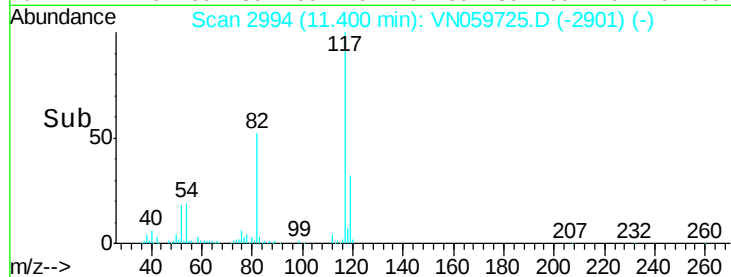
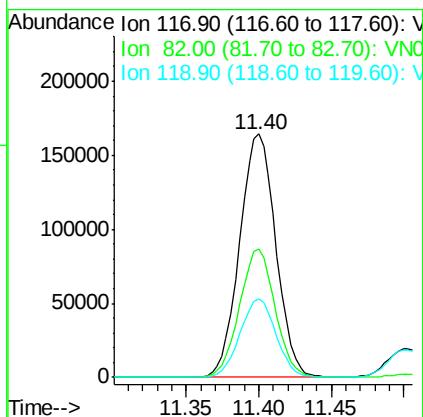
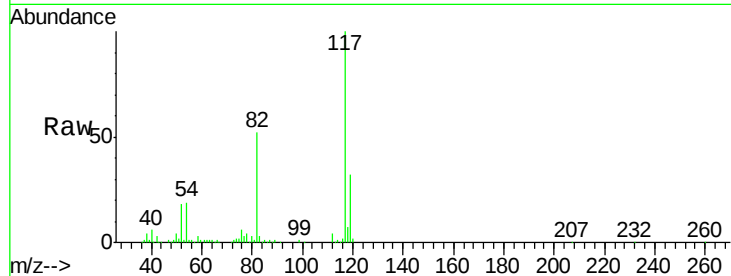
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	284951		
82	52.5		45.9	68.9
119	32.1		25.5	38.3

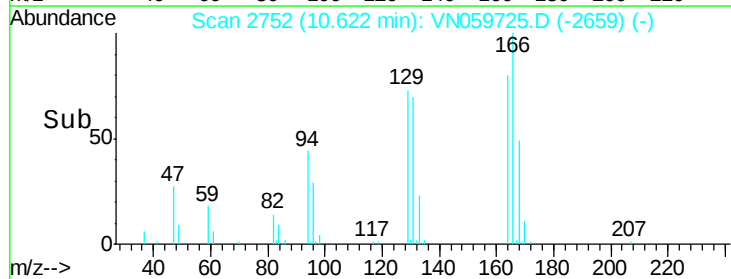
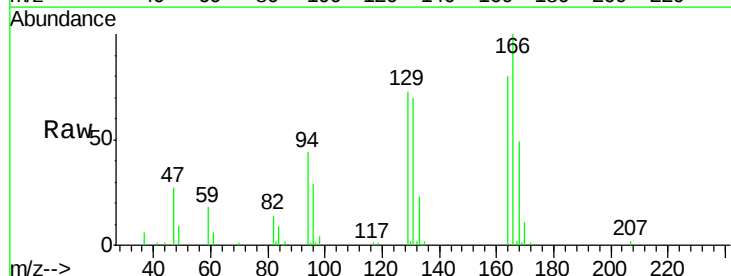
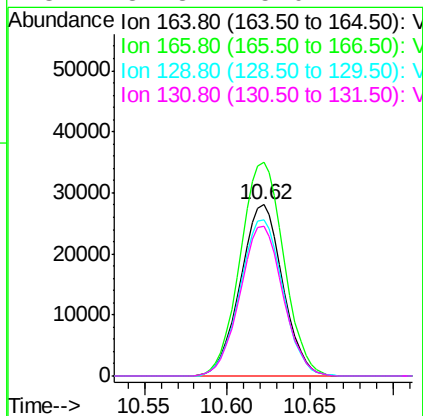
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 21.492 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49912		
166	124.9		101.4	152.0
129	91.5		80.2	120.4
131	87.3		75.0	112.4





#65

Chlorobenzene

Concen: 23.240 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion:112 Resp: 130162

Ion Ratio Lower Upper

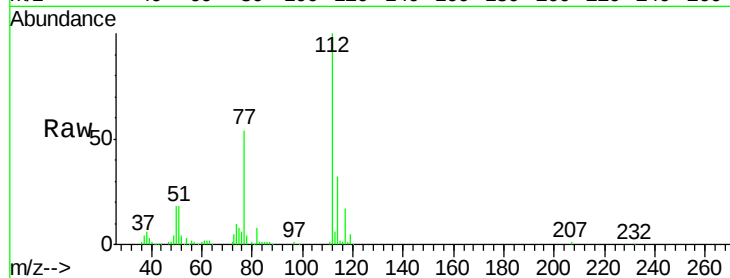
112 100

114 31.9 25.8 38.8

Manual Integrations
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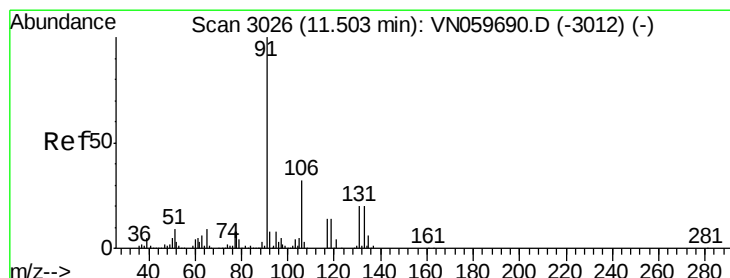
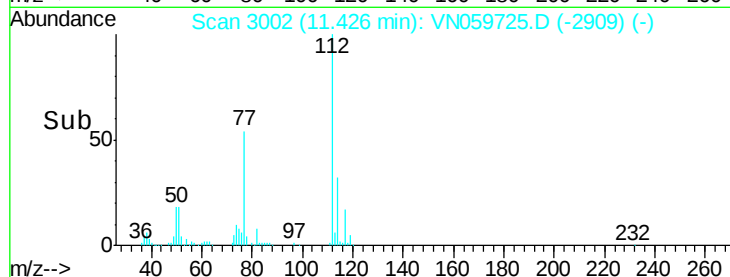
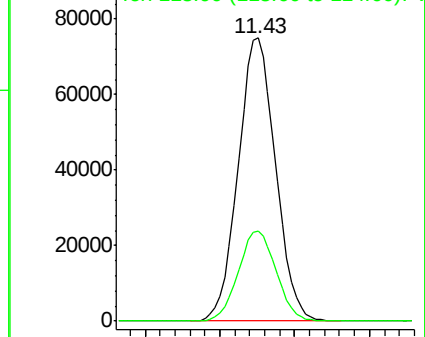
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.819 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

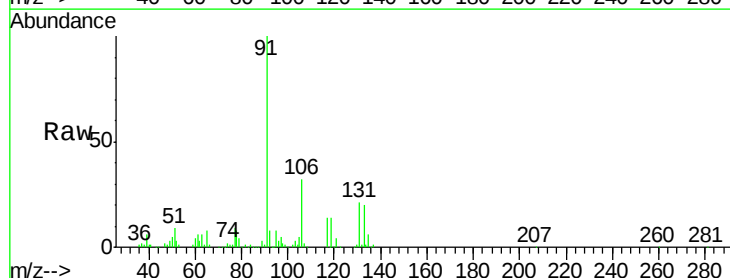
Tgt Ion:131 Resp: 51548

Ion Ratio Lower Upper

131 100

133 96.4 47.4 142.2

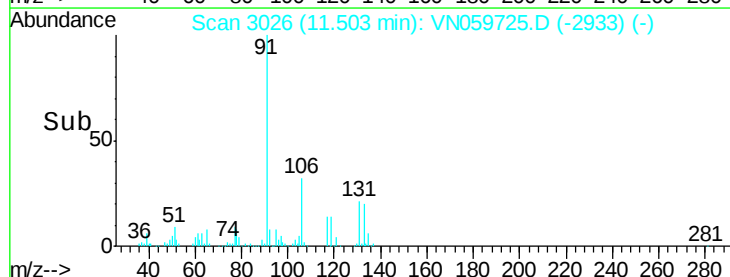
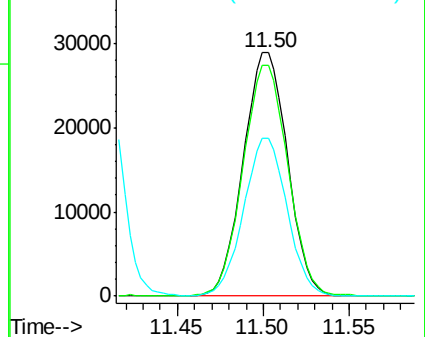
119 63.7 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.616 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion: 91 Resp: 229944

Ion Ratio Lower Upper

91 100

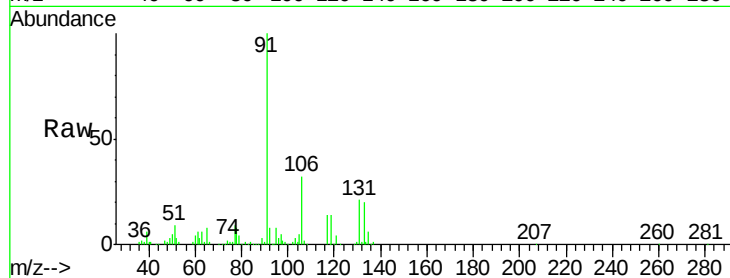
106 31.6 24.1 36.1

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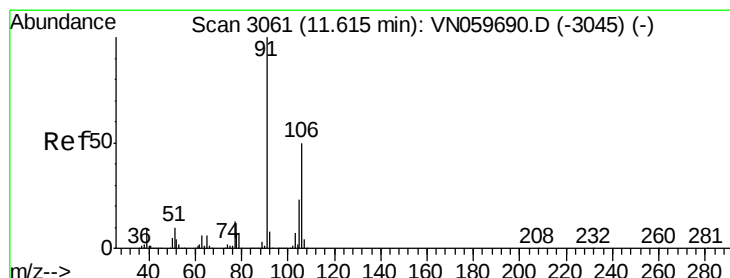
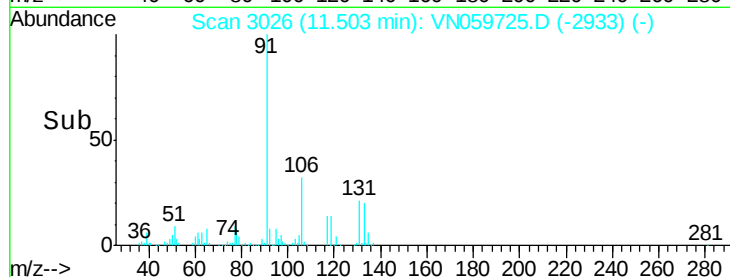
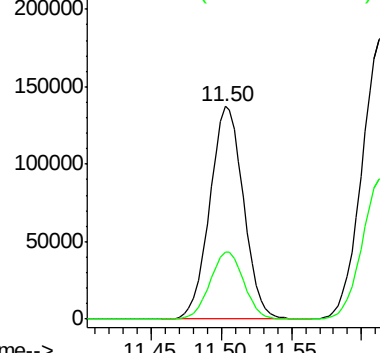
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.646 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059725.D

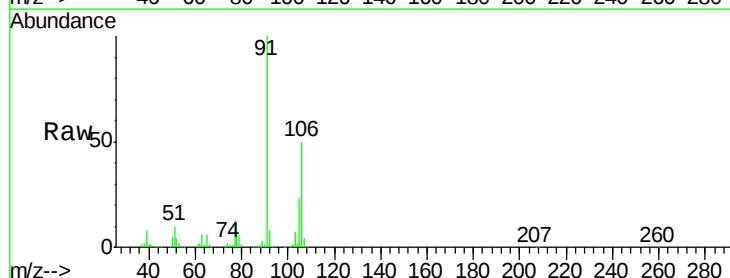
Acq: 16 Jan 2020 12:24

Tgt Ion: 106 Resp: 175308

Ion Ratio Lower Upper

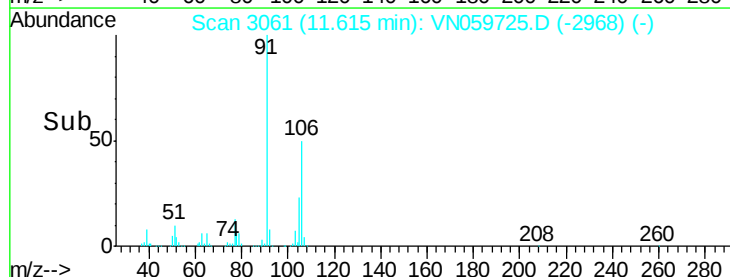
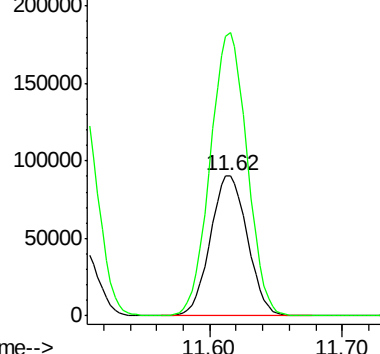
106 100

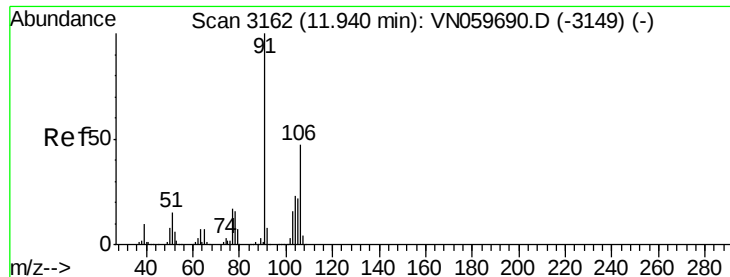
91 200.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 22.953 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0116MBS01

Tot Ion:106 Resp: 86302

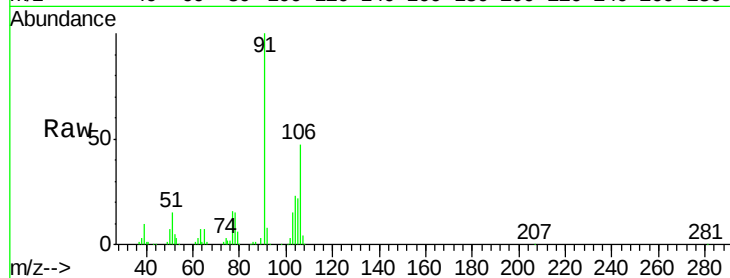
Ion Ratio Lower Upper

106 100

91 210.6 110.3 330.9

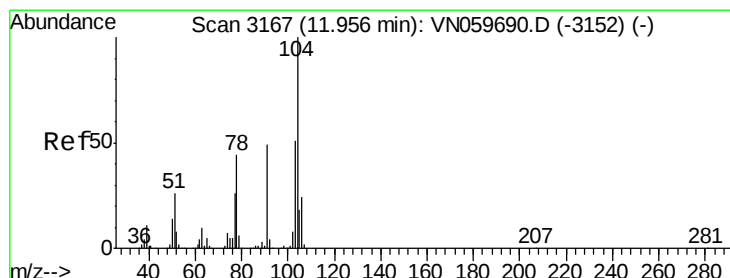
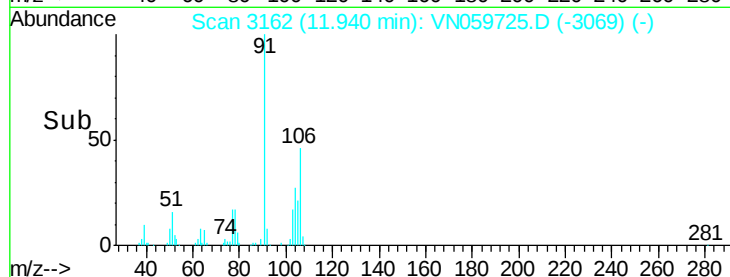
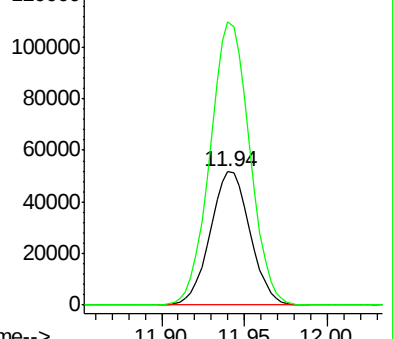
Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 22.670 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

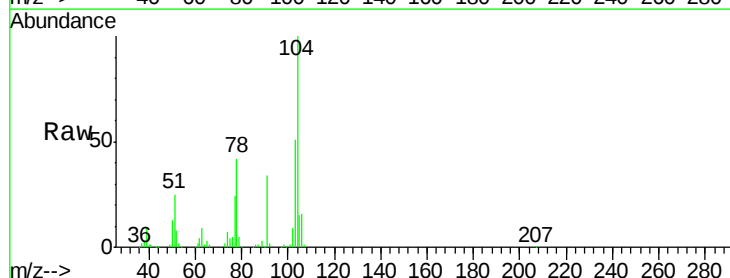
Tgt Ion:104 Resp: 142631

Ion Ratio Lower Upper

104 100

78 48.5 42.4 63.6

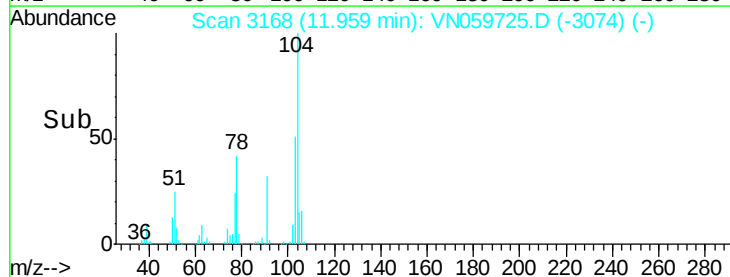
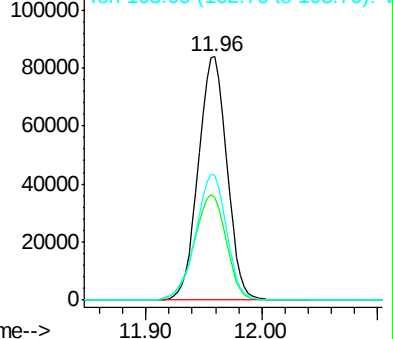
103 55.3 43.9 65.9

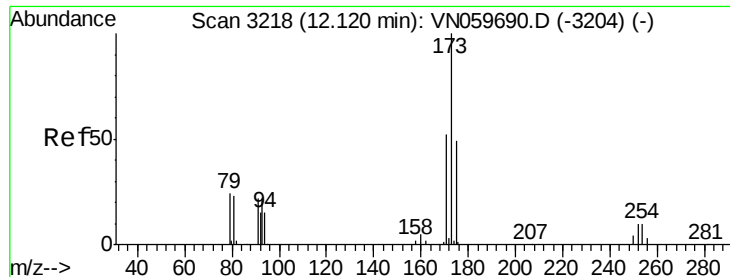


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 23.734 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0116MBS01

Tot Ion:173 Resp: 41144

Ion Ratio Lower Upper

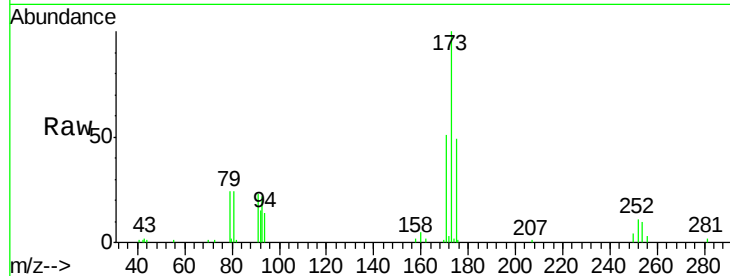
173 100

175 48.6 23.8 71.4

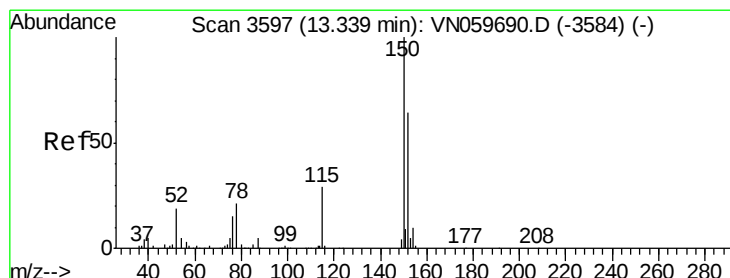
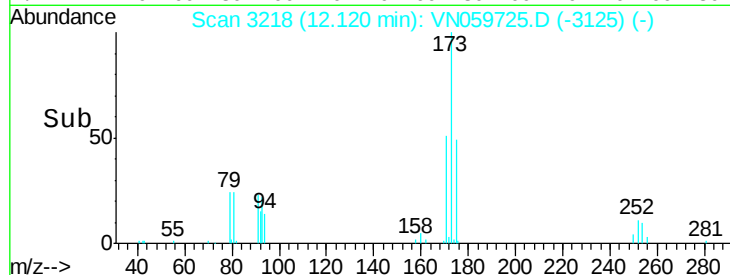
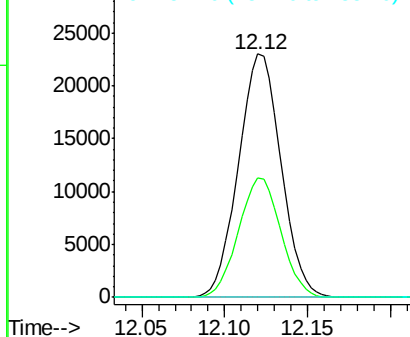
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

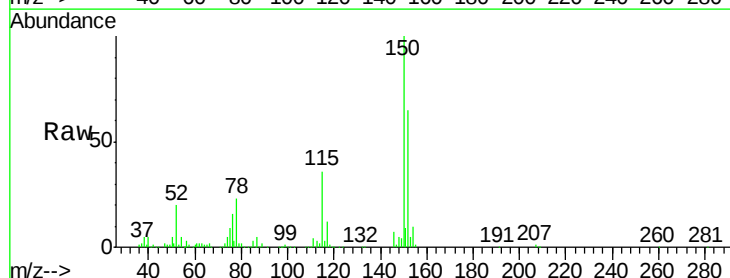
Tgt Ion:152 Resp: 136811

Ion Ratio Lower Upper

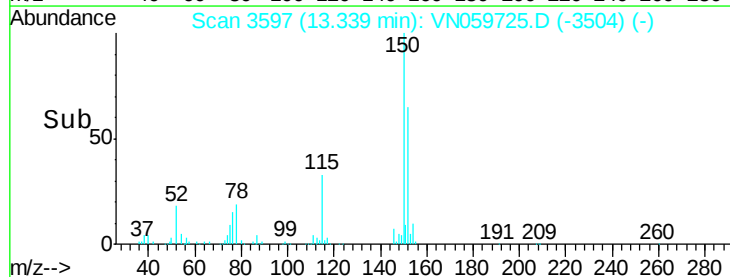
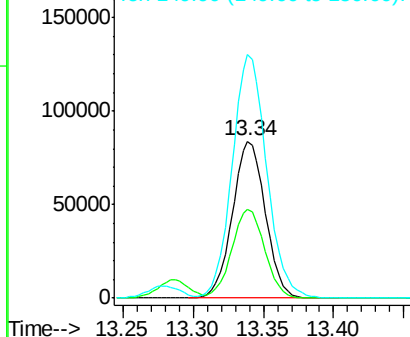
152 100

115 56.5 30.3 90.9

150 162.6 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.830 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion: 105 Resp: 229071

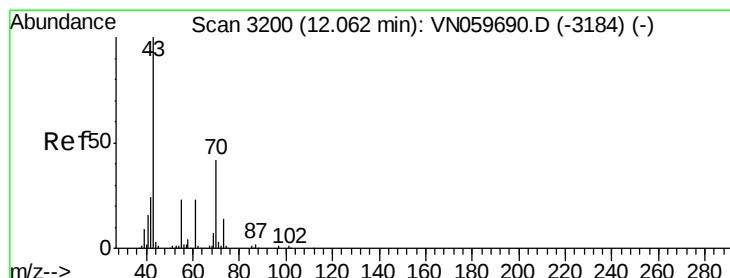
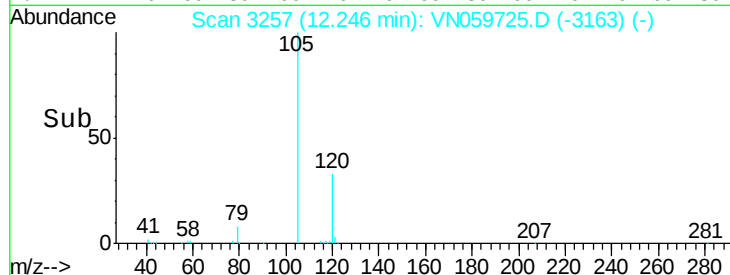
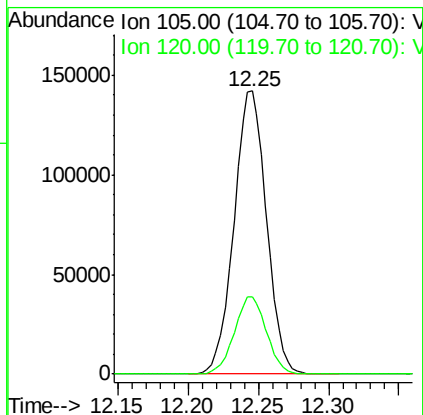
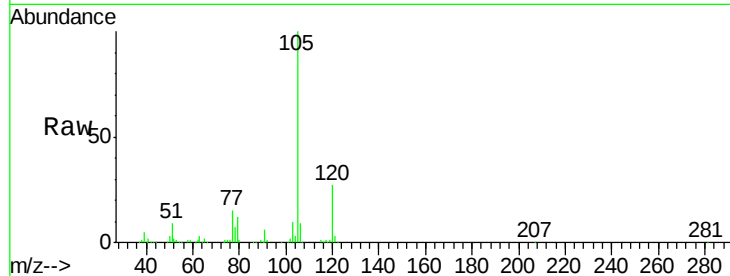
Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.5

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#74

N-ethyl acetate

Concen: 21.823 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Tgt Ion: 43 Resp: 84966

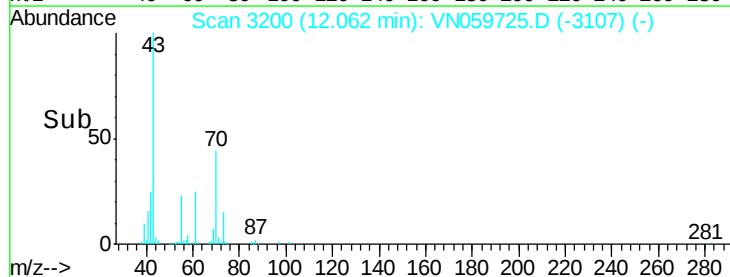
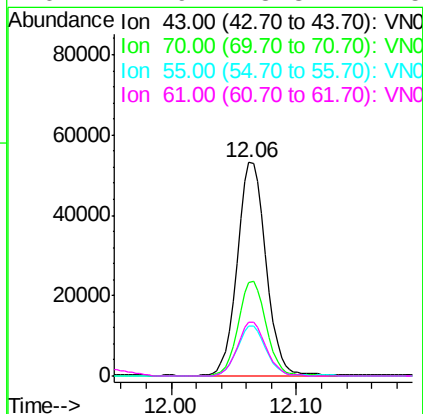
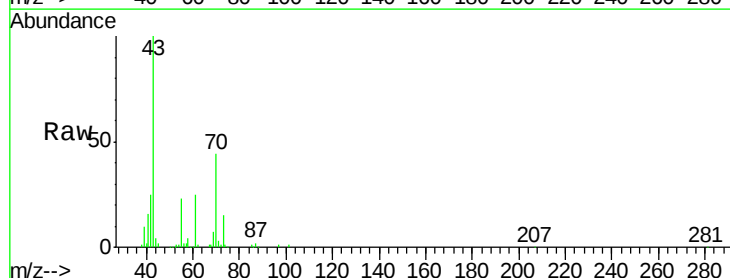
Ion Ratio Lower Upper

43 100

70 43.0 31.3 46.9

55 23.5 19.8 29.6

61 24.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.034 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

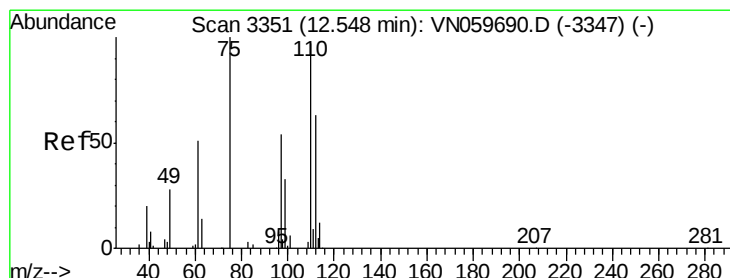
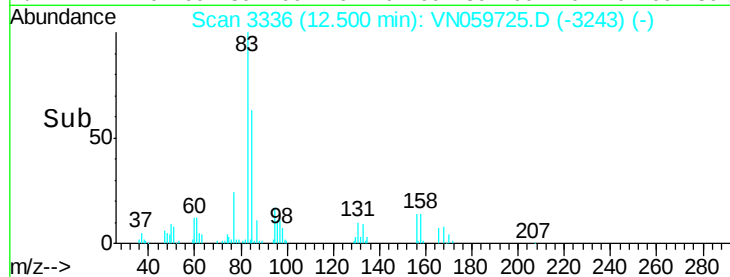
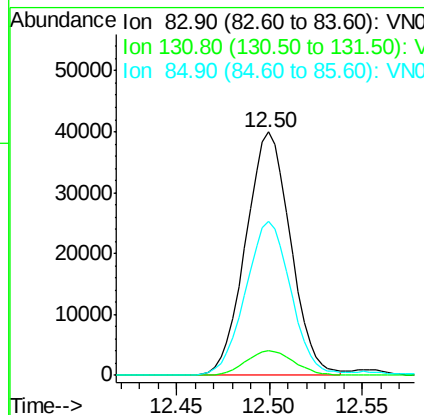
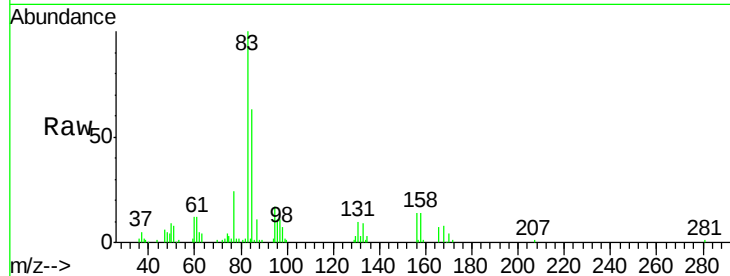
ClientSampled :

VN0116MBS01

Tot Ion:	83	Resp:	67000
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.0	14.9
85	64.1	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 25.953 ug/l m

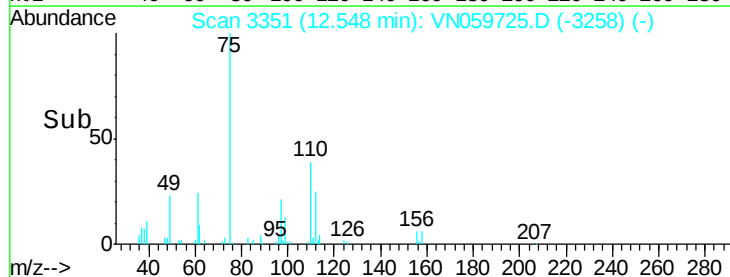
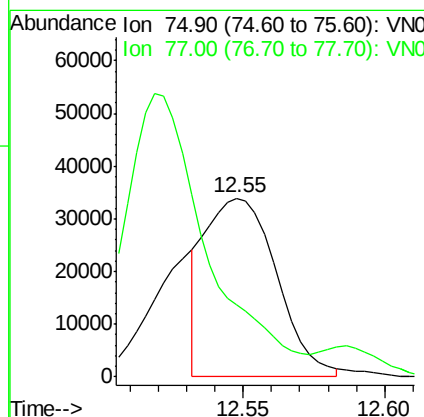
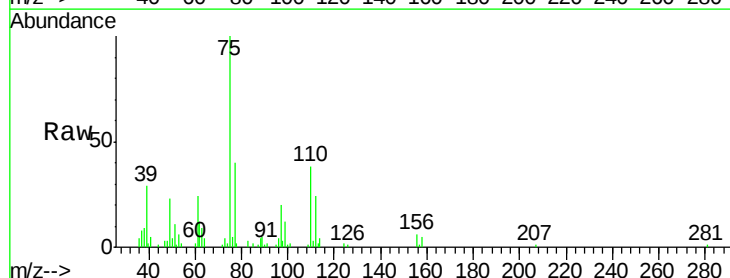
RT: 12.55 min Scan# 3351

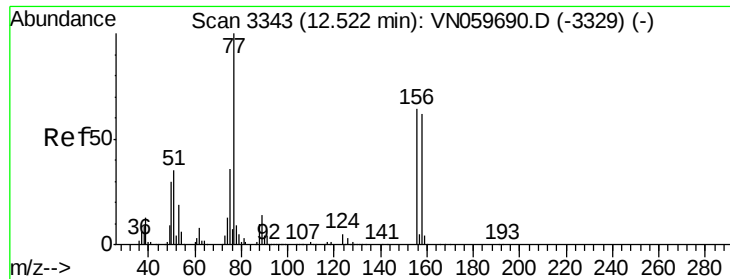
Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Tgt Ion:	75	Resp:	59754
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





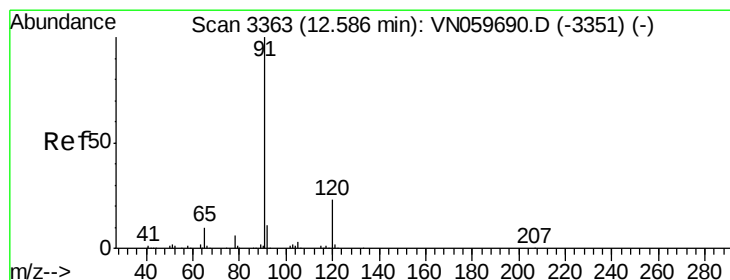
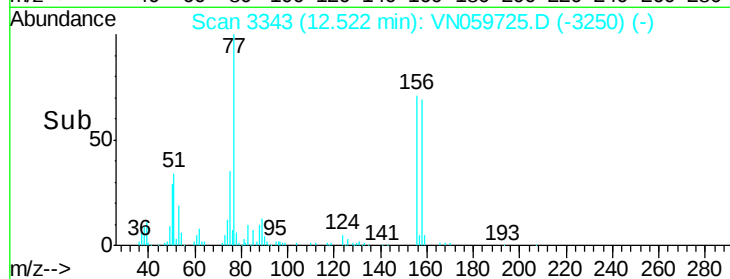
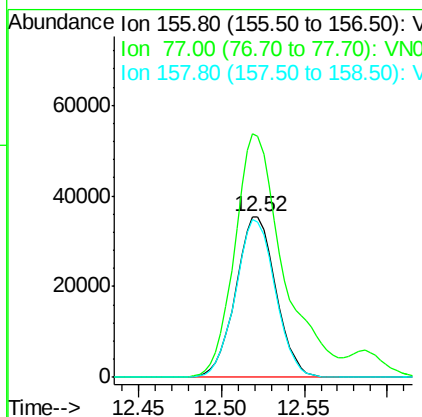
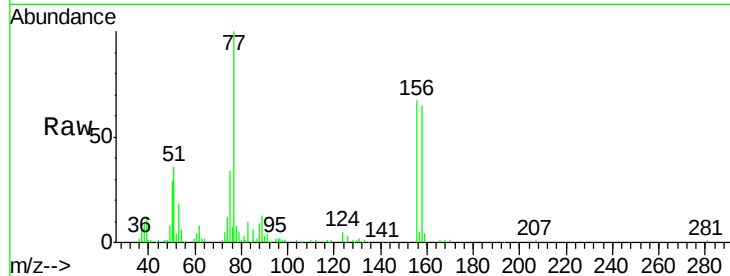
#77
Bromobenzene
Concen: 23.444 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.2	115.8	347.4
158	97.5	49.2	147.6

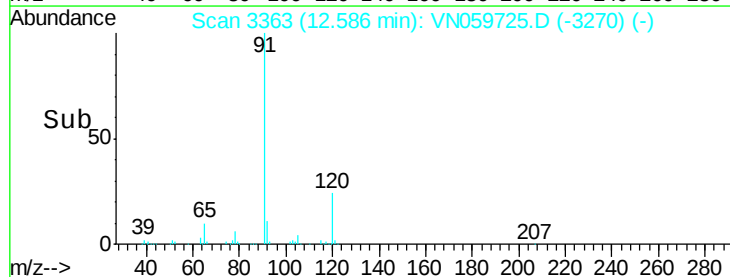
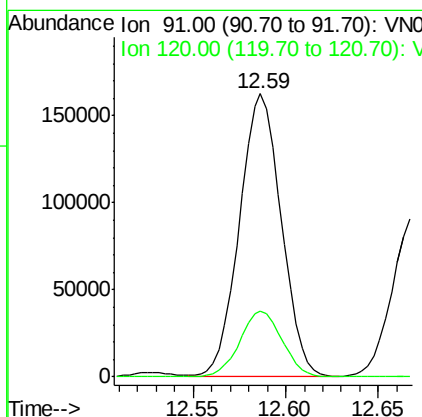
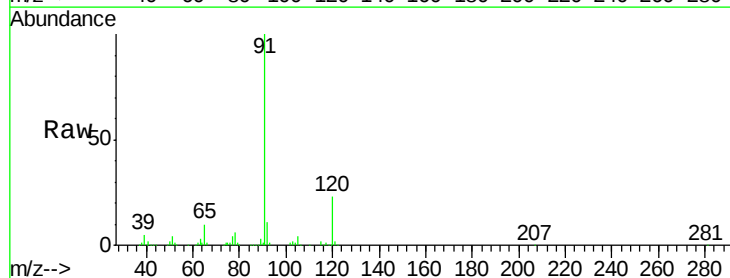
Manual Integrations
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#78
n-propylbenzene
Concen: 22.397 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.1	33.3





#79

2-Chlorotoluene

Concen: 22.452 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBS01

Tot Ion: 91 Resp: 150420

Ion Ratio Lower Upper

91 100

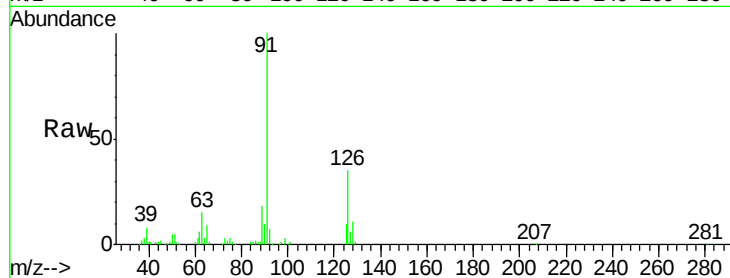
126 35.9 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN059725.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059725.D (-3376) (-)

150000

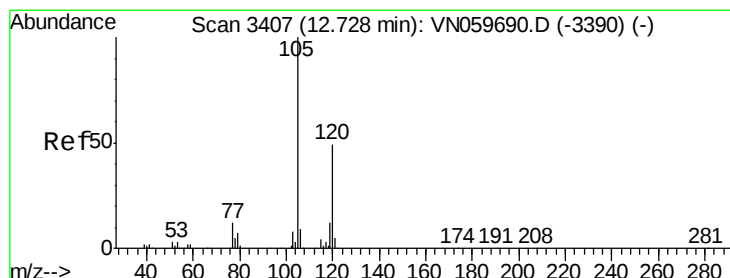
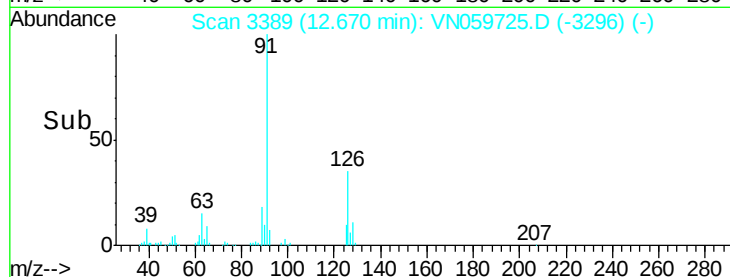
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.607 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059725.D

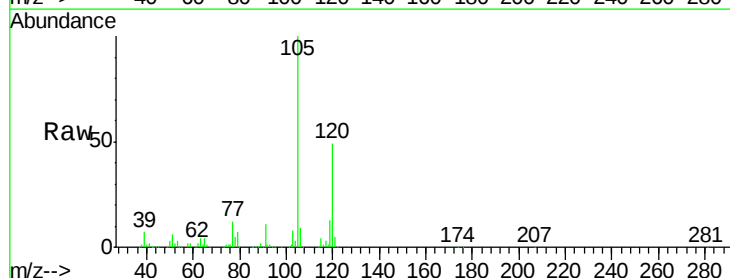
Acq: 16 Jan 2020 12:24

Tgt Ion: 105 Resp: 190767

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059725.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059725.D (-3390) (-)

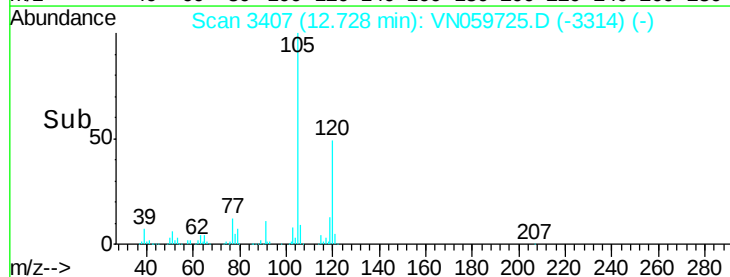
100000

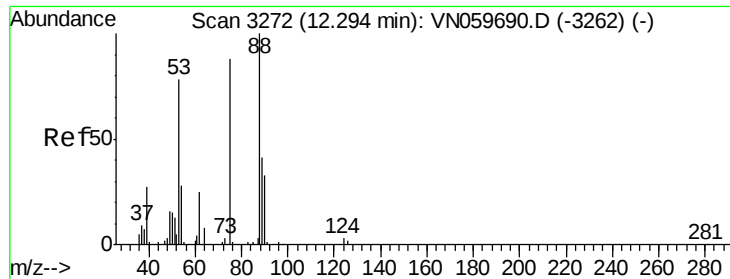
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.822 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

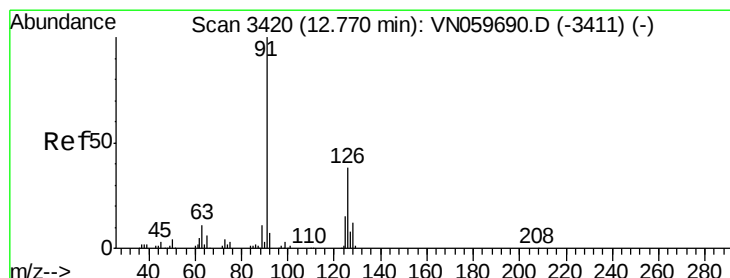
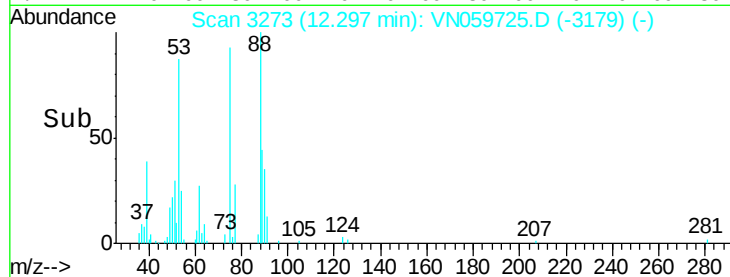
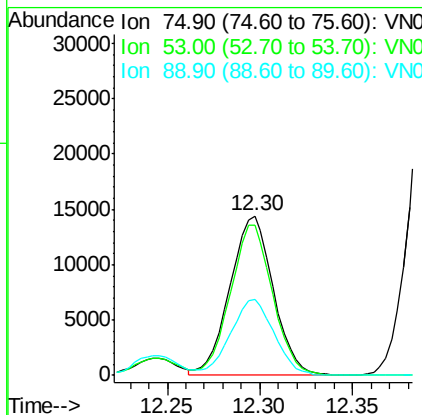
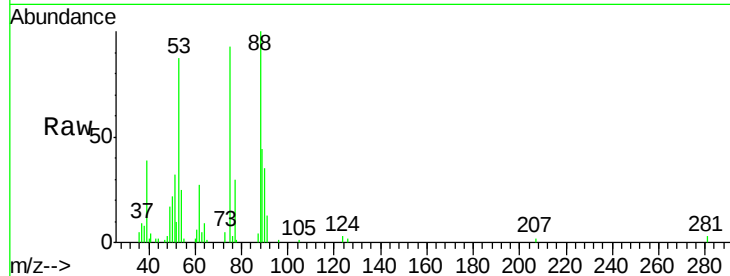
ClientSampleId :

VN0116MBS01

Tot Ion:	75	Resp:	23396
Ion	Ratio	Lower	Upper
75	100		
53	91.9	78.1	117.1
89	47.8	35.4	53.2

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#82

4-Chlorotoluene

Concen: 22.834 ug/l

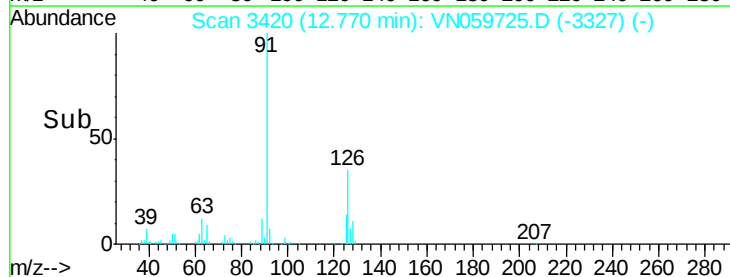
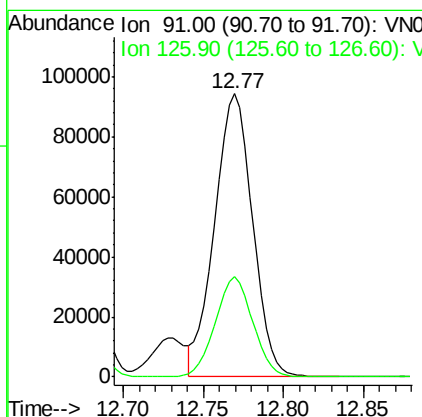
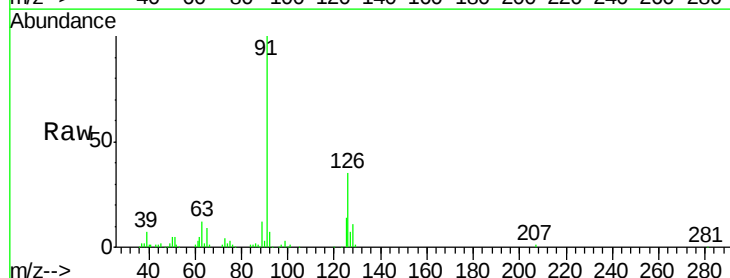
RT: 12.77 min Scan# 3420

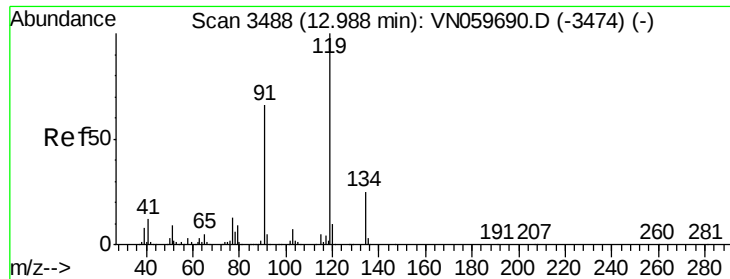
Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Tgt Ion:	91	Resp:	153440
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.3	48.8





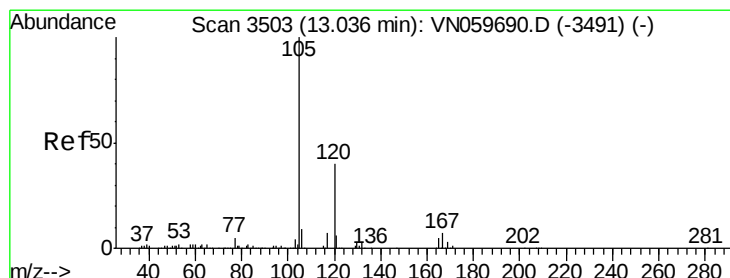
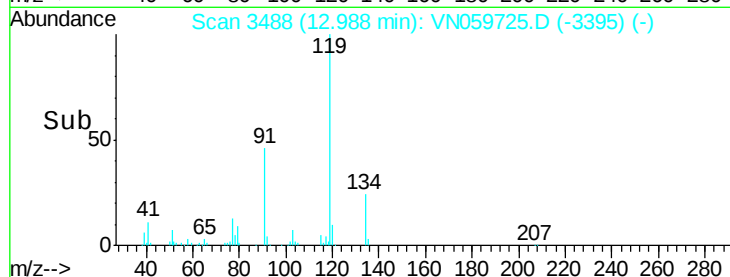
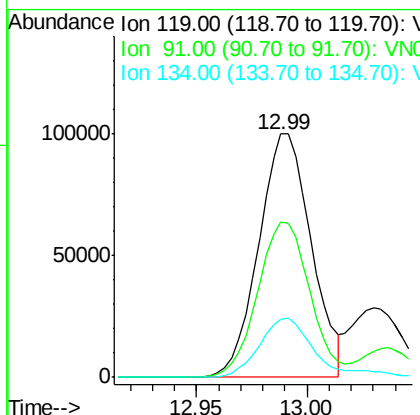
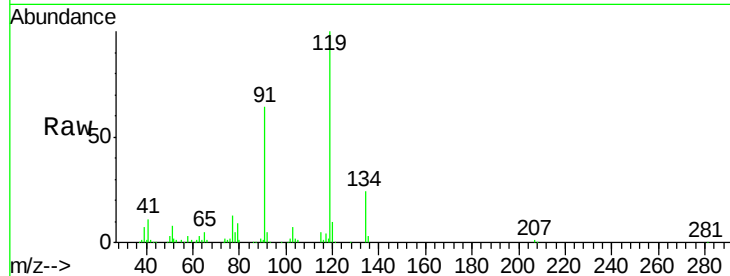
#83
tert-Butylbenzene
Concen: 22.623 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	34.8	104.4
134	25.9	12.3	36.9

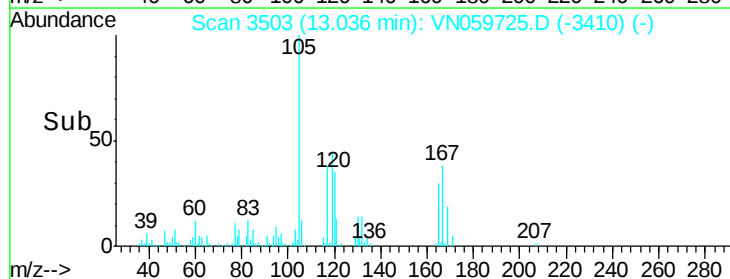
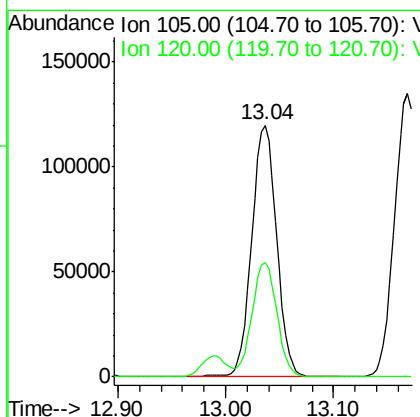
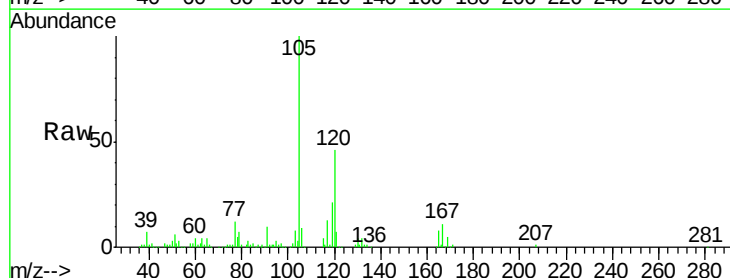
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 23.040 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.9





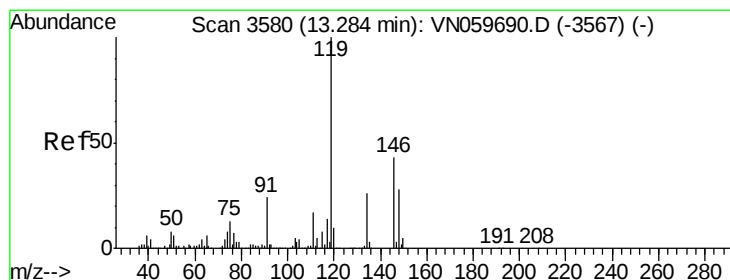
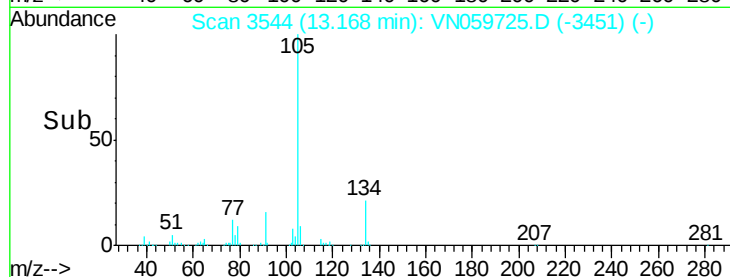
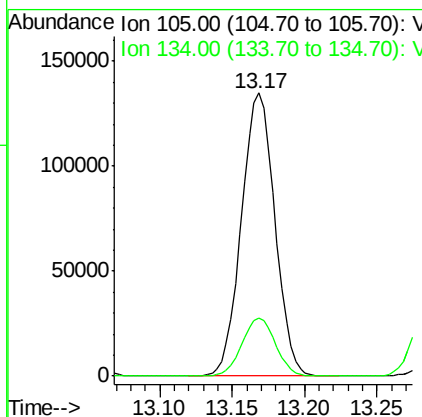
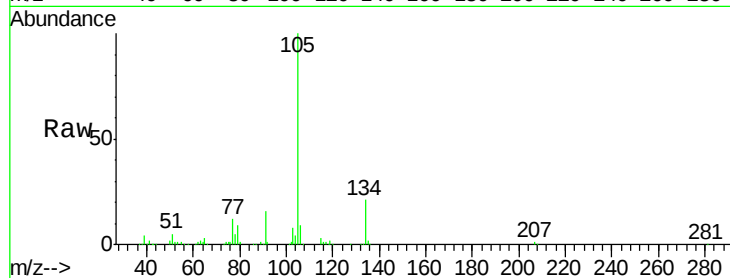
#85
 sec-Butylbenzene
 Concen: 22.570 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.8	29.5

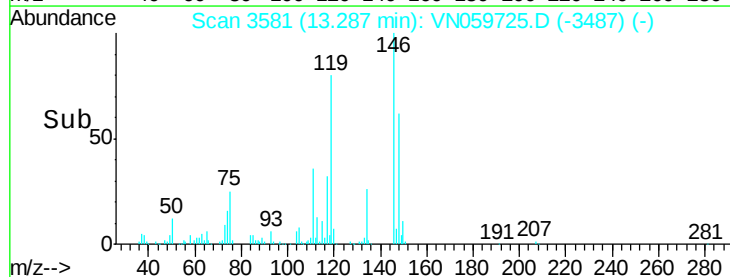
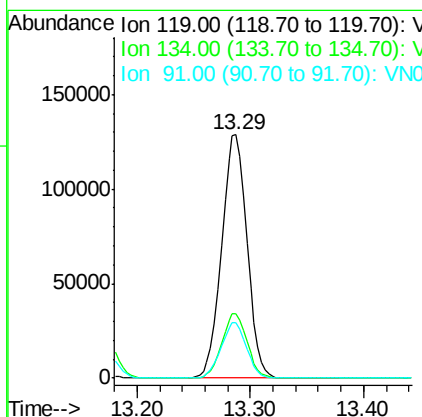
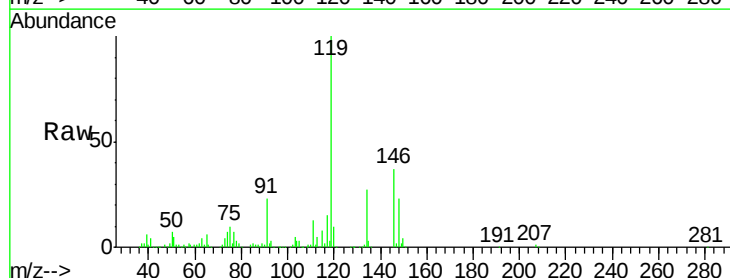
Manual Integrations
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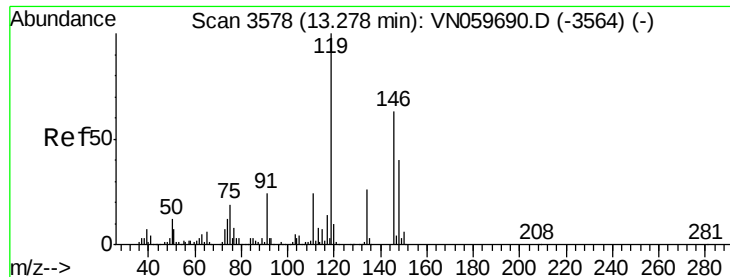
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#86
 p-Isopropyltoluene
 Concen: 22.670 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.7
91	22.8	12.4	37.4





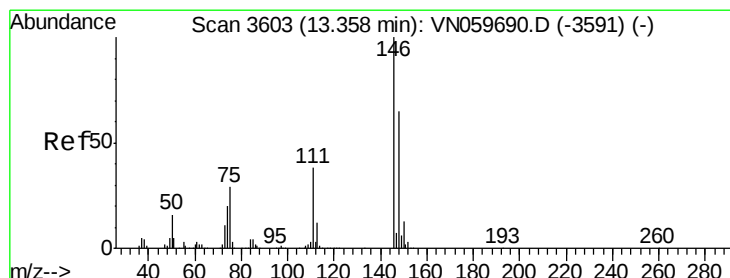
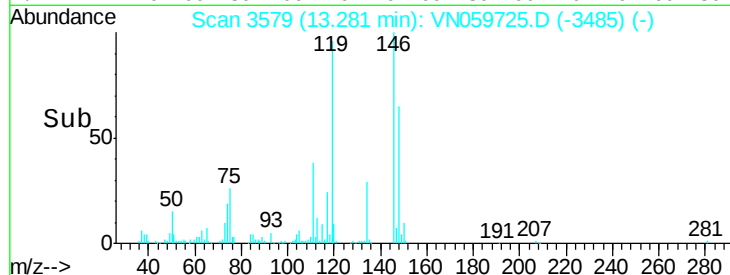
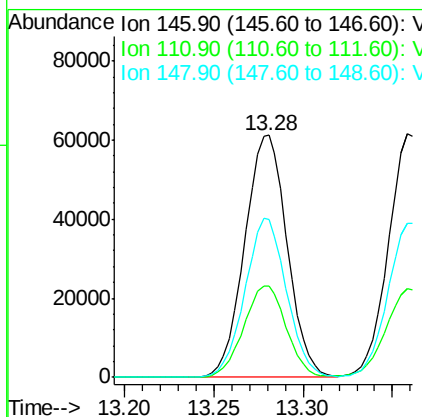
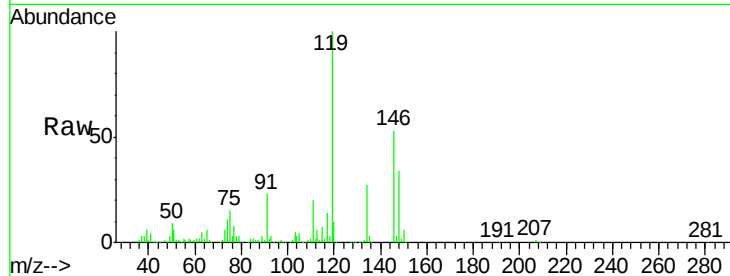
#87
 1,3-Dichlorobenzene
 Concen: 23.116 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.8	62.2
148	64.1	32.0	96.0

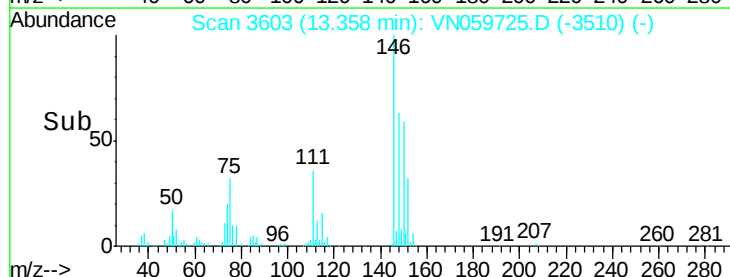
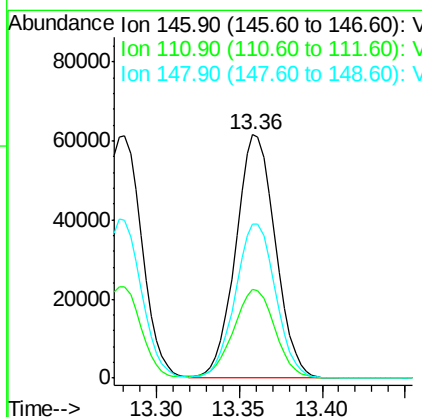
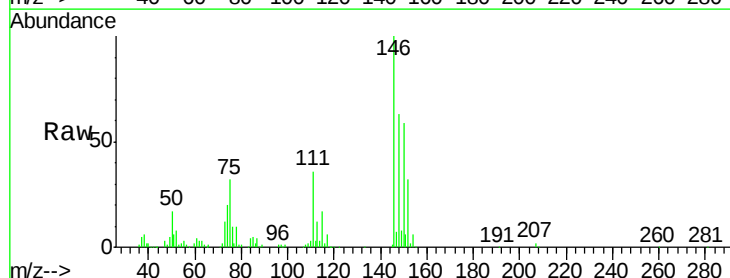
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 23.254 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.8	62.2
148	64.5	31.8	95.4





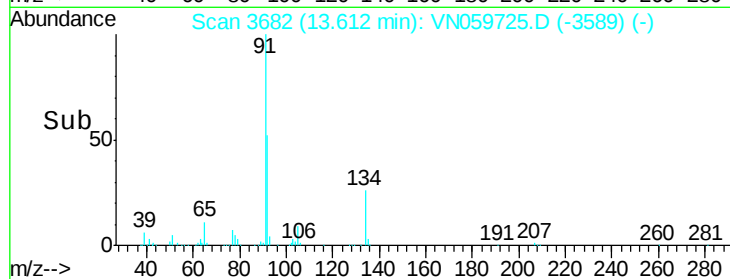
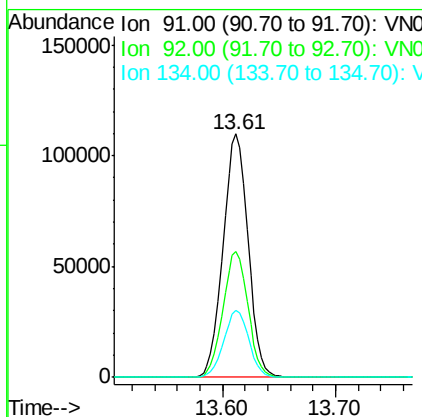
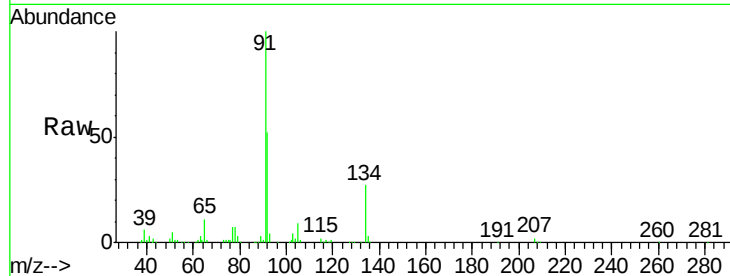
#89
n-Butylbenzene
Concen: 22.363 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	27.5	12.3	36.8

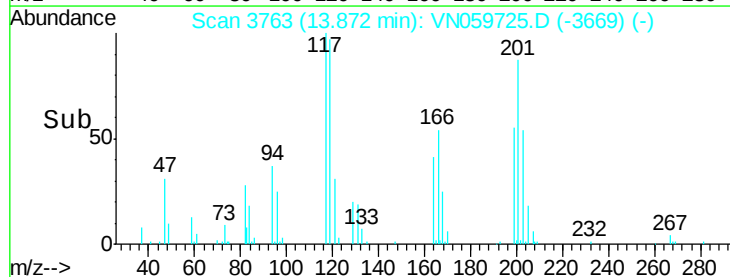
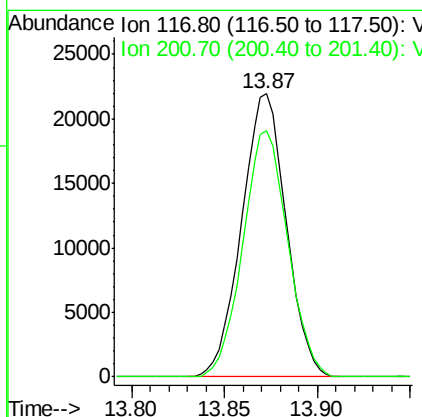
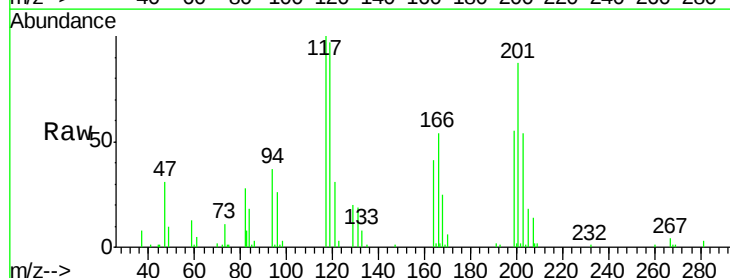
Manual Integrations
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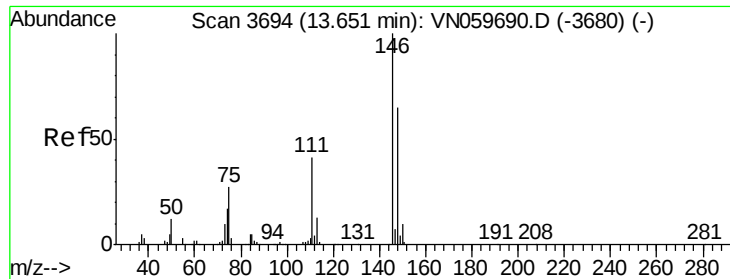
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#90
Hexachloroethane
Concen: 22.036 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059725.D
Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	37.8	113.4





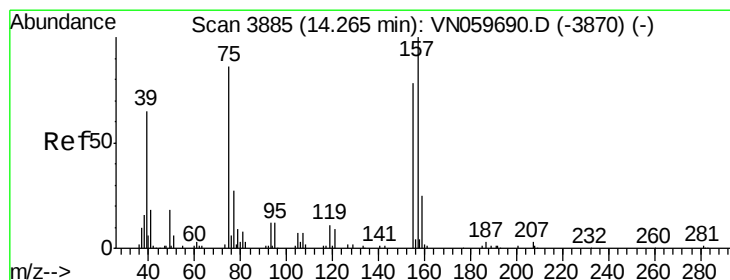
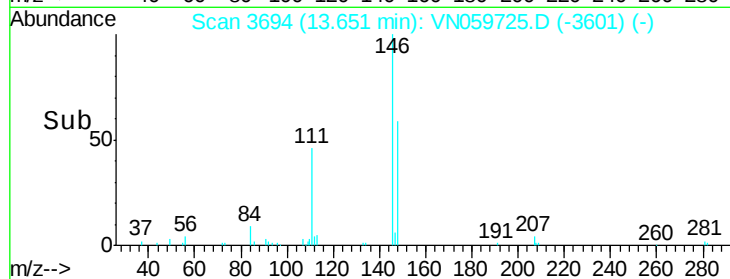
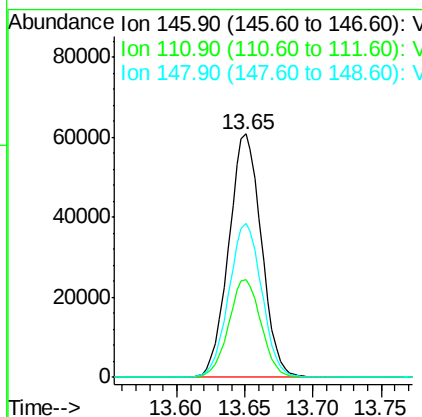
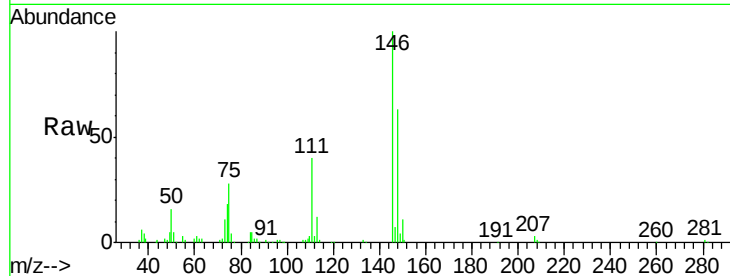
#91
 1,2-Dichlorobenzene
 Concen: 23.215 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.6	64.8
148	63.7	31.6	95.0

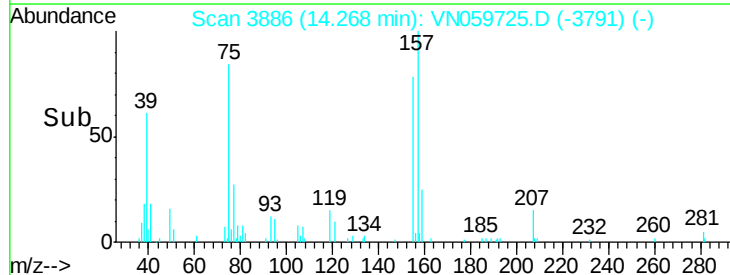
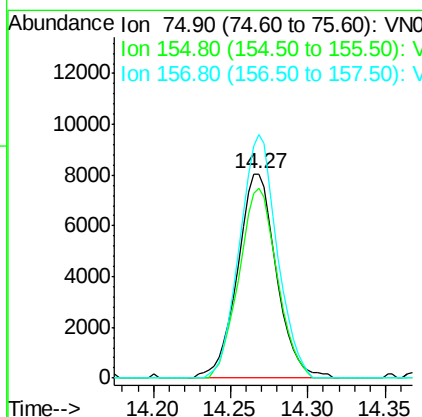
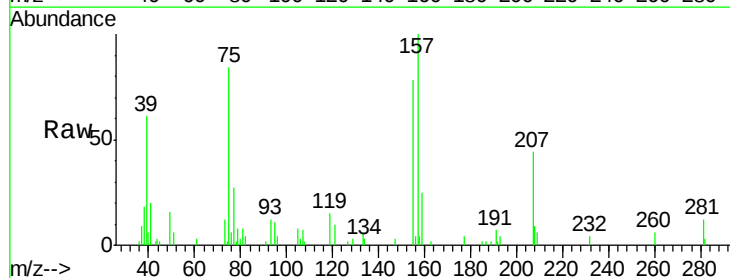
Manual Integrations
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 1/17/2020 1:53:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.341 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	37.0	110.9
157	114.7	48.4	145.2





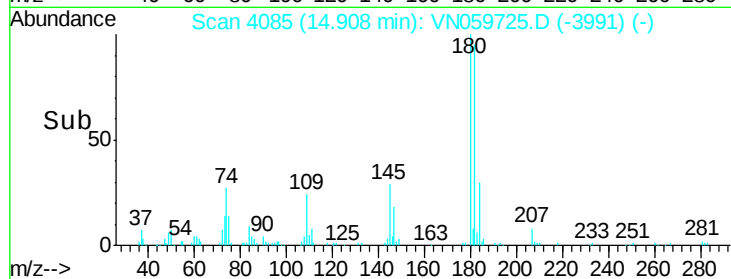
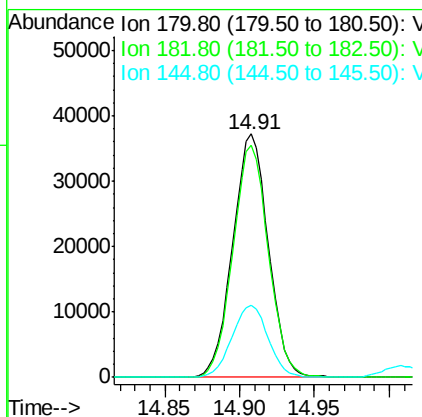
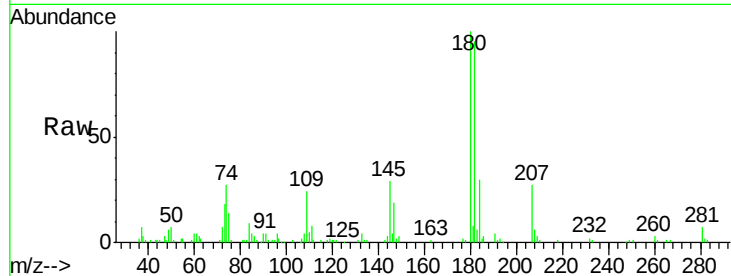
#93
 1,2,4-Trichlorobenzene
 Concen: 23.534 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.7
145	30.0	15.0	45.1

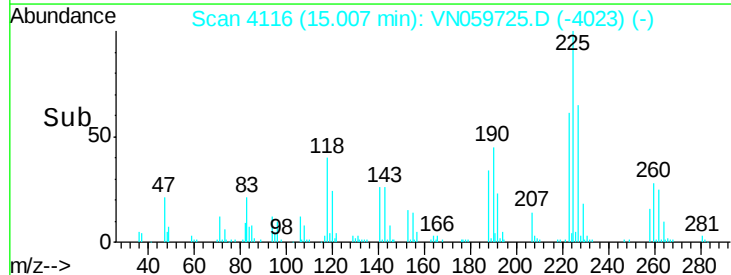
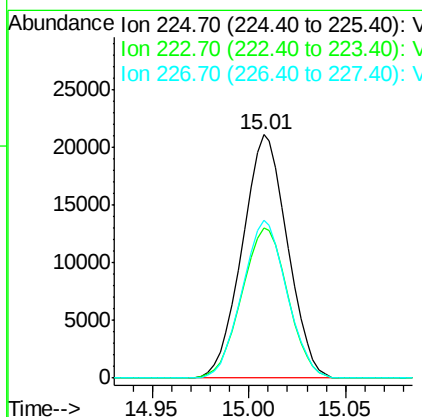
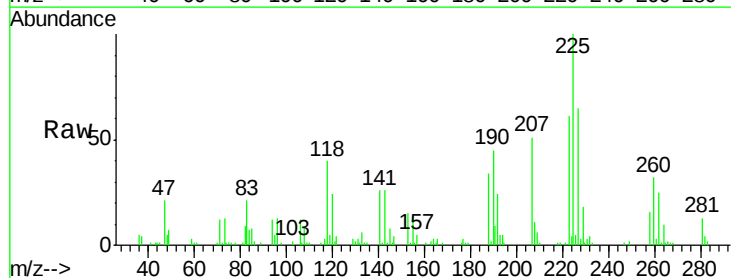
Manual Integrations
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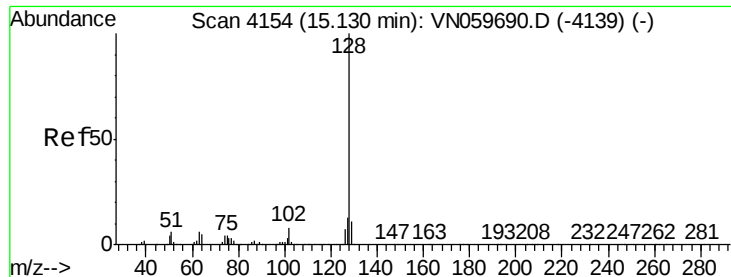
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 1/17/2020 1:53:01 PM



#94
 Hexachlorobutadiene
 Concen: 23.671 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059725.D
 Acq: 16 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	95.3
227	64.1	32.1	96.5





#95

Naphthalene

Concen: 22.264 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Instrument :

MSVOA_N

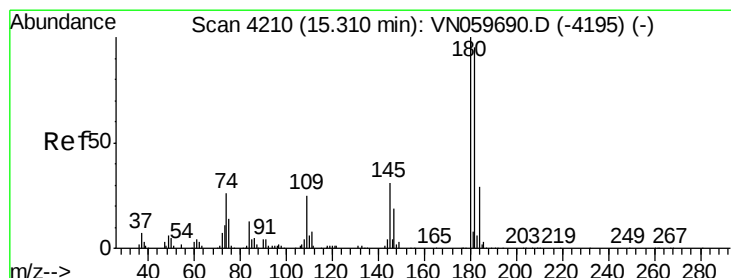
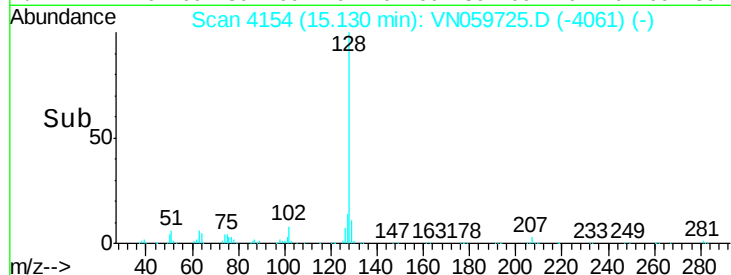
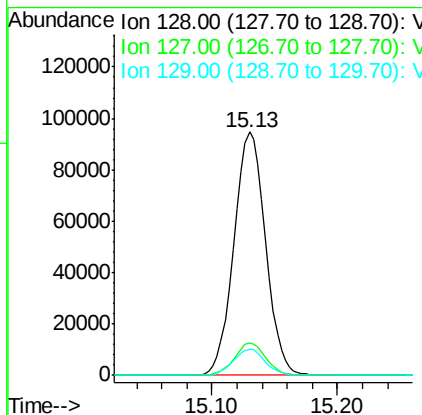
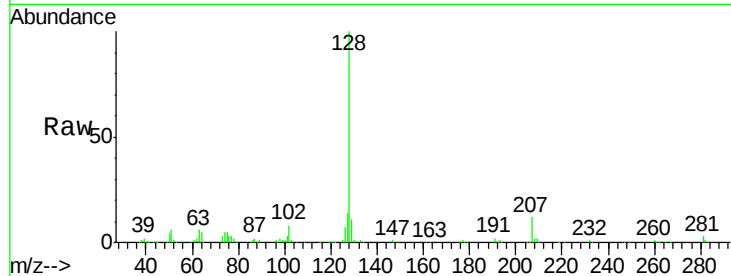
ClientSampleId :

VN0116MBS01

Tot Ion:	128	Resp:	166040
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
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1/17/2020 1:53:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.151 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059725.D

Acq: 16 Jan 2020 12:24

Tgt Ion:	180	Resp:	59083
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.4	142.3
145	31.9	16.3	48.9

