

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110519\
 Data File : VN059090.D
 Acq On : 5 Nov 2019 14:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/6/2019 1:56:29 PM

Quant Time: Nov 06 01:24:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	501111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	772388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	702294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	336447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	308537	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
35) Dibromofluoromethane	7.57	113	236298	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
50) Toluene-d8	10.08	98	941204	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	340070	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	221235	40.834	ug/l	99
3) Chloromethane	2.04	50	293025	39.886	ug/l	100
4) Vinyl Chloride	2.17	62	290626	40.755	ug/l	99
5) Bromomethane	2.54	94	169184	40.129	ug/l	98
6) Chloroethane	2.68	64	170876	39.126	ug/l	97
7) Trichlorofluoromethane	3.00	101	353670	41.737	ug/l	99
8) Diethyl Ether	3.38	74	142466	43.052	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	211513	42.348	ug/l	100
10) Methyl Iodide	3.92	142	265287	43.700	ug/l	99
11) Tert butyl alcohol	4.75	59	243111	197.927	ug/l	100
12) 1,1-Dichloroethene	3.71	96	203467	40.962	ug/l	98
13) Acrolein	3.58	56	161135	207.905	ug/l	98
14) Allyl chloride	4.29	41	414134	42.075	ug/l	100
15) Acrylonitrile	4.95	53	642981	208.680	ug/l	99
16) Acetone	3.79	43	709203	211.081	ug/l	100
17) Carbon Disulfide	4.02	76	619041	39.200	ug/l	99
18) Methyl Acetate	4.29	43	325245	38.211	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	724342	42.815	ug/l	100
20) Methylene Chloride	4.52	84	240565	40.900	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	222748	41.771	ug/l	99
22) Diisopropyl ether	5.92	45	825067	44.009	ug/l	97
23) Vinyl Acetate	5.86	43	3393585	227.266	ug/l	100
24) 1,1-Dichloroethane	5.82	63	445534	41.566	ug/l	99
25) 2-Butanone	6.81	43	945177	211.269	ug/l	99
26) 2,2-Dichloropropane	6.80	77	381525	41.009	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	255156	42.495	ug/l	100
28) Bromochloromethane	7.17	49	145144	43.876	ug/l	100
29) Tetrahydrofuran	7.18	42	583499	206.663	ug/l	99
30) Chloroform	7.35	83	427304	41.690	ug/l	96
31) Cyclohexane	7.63	56	409020	40.007	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	366686	42.285	ug/l	99
36) 1,1-Dichloropropene	7.77	75	329939	42.980	ug/l	100
37) Ethyl Acetate	6.90	43	358691	42.053	ug/l	99
38) Carbon Tetrachloride	7.75	117	318231	42.536	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	388780	43.816	ug/l	97
40) Benzene	8.02	78	989817	43.447	ug/l	99
41) Methacrylonitrile	7.16	41	183005m	49.618	ug/l	
42) 1,2-Dichloroethane	8.10	62	339985	42.971	ug/l	100
43) Isopropyl Acetate	8.14	43	568213	42.599	ug/l	98
44) Trichloroethene	8.82	130	241225	43.035	ug/l	99
45) 1,2-Dichloropropane	9.10	63	268457	43.572	ug/l	99
46) Dibromomethane	9.19	93	163955	43.056	ug/l	99
47) Bromodichloromethane	9.39	83	337899	43.815	ug/l	99
48) Methyl methacrylate	9.18	41	262608	43.179	ug/l	99
49) 1,4-Dioxane	9.18	88	92995	937.365	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1773026	228.819	ug/l	99
52) Toluene	10.15	92	604123	45.256	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	386418	43.333	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	423323	45.006	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	235543	43.316	ug/l	100
56) Ethyl methacrylate	10.42	69	375260	41.024	ug/l	99
57) 1,3-Dichloropropane	10.70	76	415114	43.895	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	476618	138.520	ug/l	100
59) 2-Hexanone	10.74	43	1350518	229.422	ug/l	100
60) Dibromochloromethane	10.90	129	254928	43.501	ug/l	98
61) 1,2-Dibromoethane	11.00	107	238930	43.373	ug/l	98
64) Tetrachloroethene	10.63	164	215291	43.885	ug/l	99
65) Chlorobenzene	11.43	112	625871	43.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232165	43.779	ug/l	99
67) Ethyl Benzene	11.51	91	1151205	46.137	ug/l	100
68) m/p-Xylenes	11.62	106	857241	92.005	ug/l	100
69) o-Xylene	11.95	106	409499	46.026	ug/l	98
70) Styrene	11.96	104	672276	46.628	ug/l	99
71) Bromoform	12.13	173	185104	45.095	ug/l #	99
73) Isopropylbenzene	12.25	105	1105768	44.675	ug/l	100
74) N-amyl acetate	12.07	43	481982	43.775	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	358714	40.685	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	329648m	41.404	ug/l	
77) Bromobenzene	12.53	156	267949	43.295	ug/l	97
78) n-propylbenzene	12.59	91	1302716	45.443	ug/l	100
79) 2-Chlorotoluene	12.68	91	773008	43.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	937904	44.585	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128433	41.353	ug/l	96
82) 4-Chlorotoluene	12.78	91	789852	43.478	ug/l	100
83) tert-Butylbenzene	13.00	119	783329	43.835	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	934299	45.709	ug/l	99
85) sec-Butylbenzene	13.17	105	1061359	45.317	ug/l	100
86) p-Isopropyltoluene	13.29	119	967067	45.800	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	472369	42.958	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	470073	43.217	ug/l	100
89) n-Butylbenzene	13.62	91	852322	46.326	ug/l	99
90) Hexachloroethane	13.88	117	177379	42.261	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	464385	42.443	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	73188	38.430	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	272416	46.162	ug/l	100
94) Hexachlorobutadiene	15.01	225	154788	43.703	ug/l	99
95) Naphthalene	15.13	128	721336	39.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	265626	44.226	ug/l	98

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

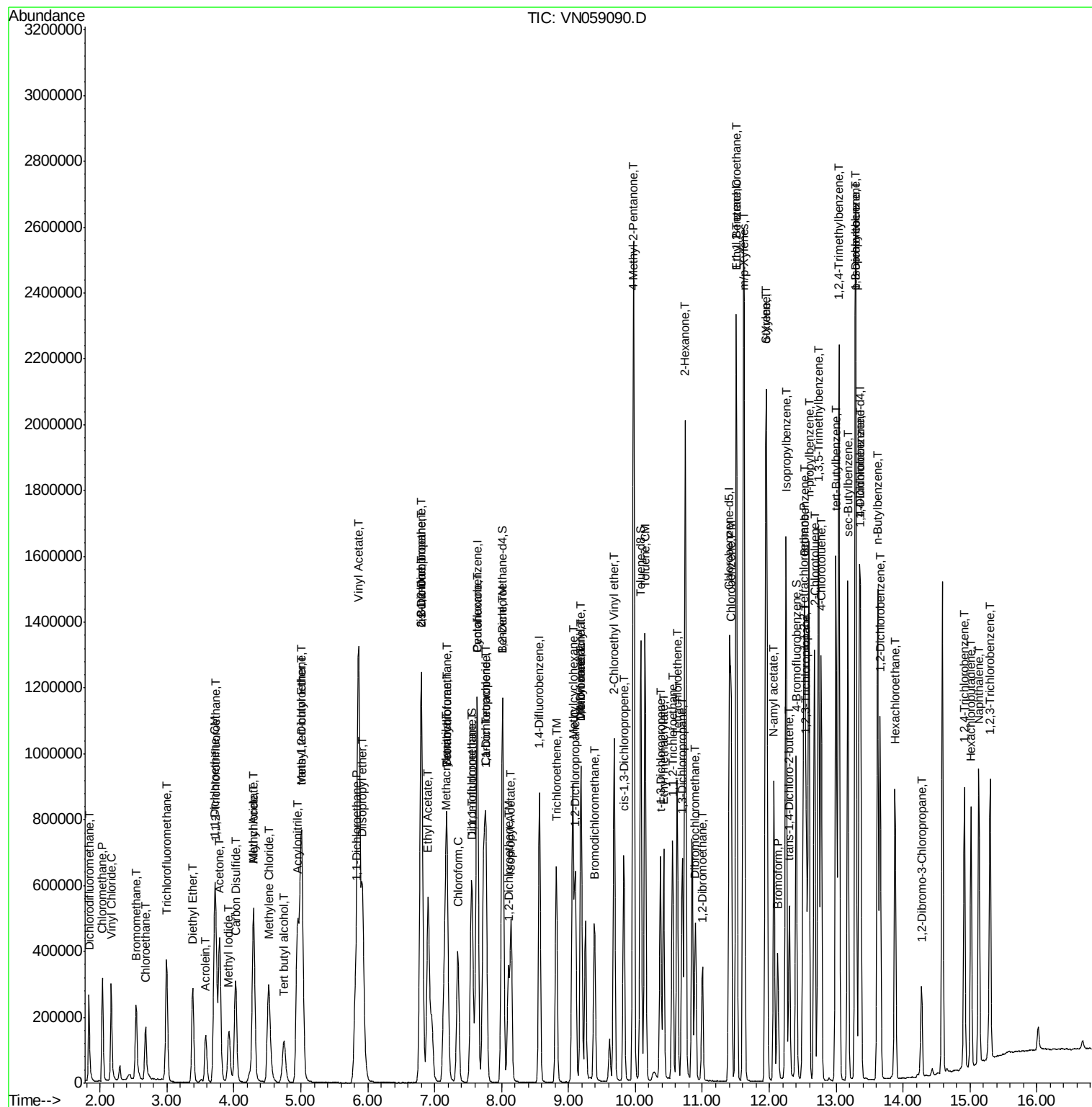
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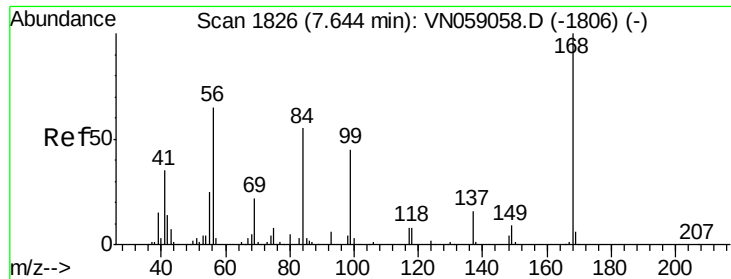
Instrument :
 MSVOA_N
 Client Sample ID :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 501111

Ion Ratio Lower Upper

168 100

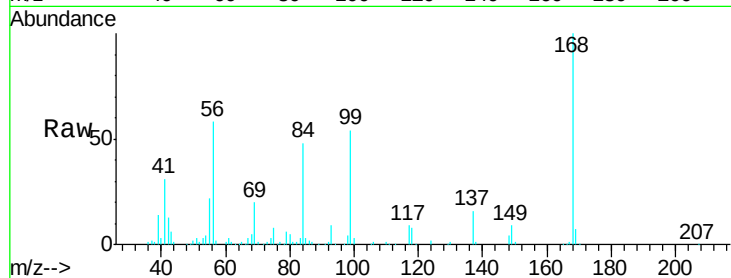
99 54.1 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

100000

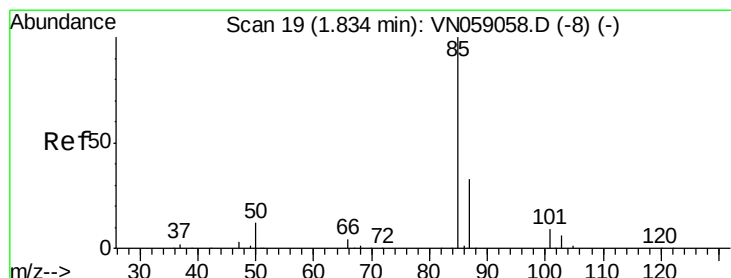
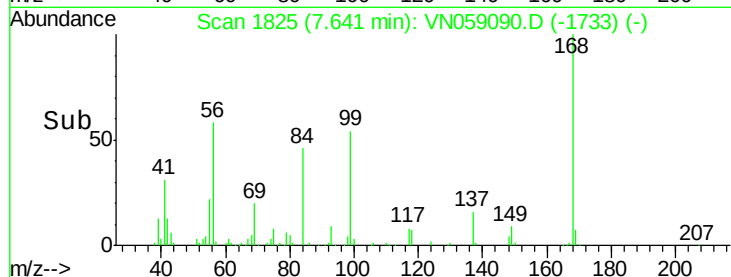
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.834 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059090.D

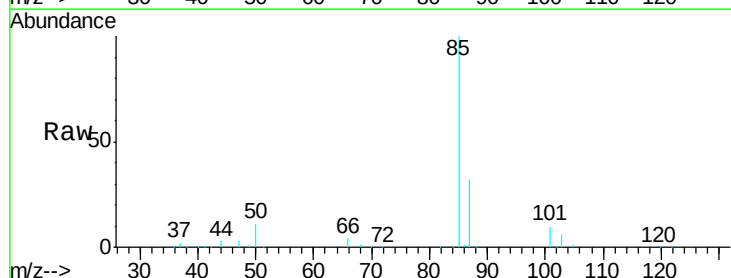
Acq: 5 Nov 2019 14:31

Tgt Ion: 85 Resp: 221235

Ion Ratio Lower Upper

85 100

87 32.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

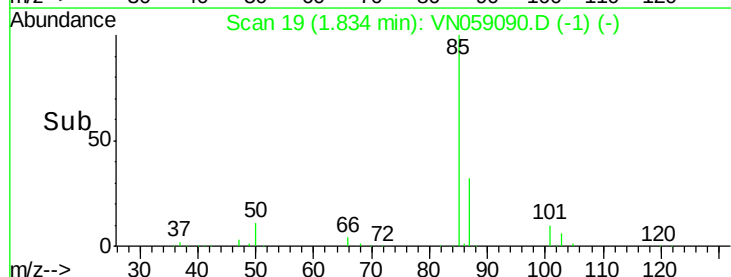
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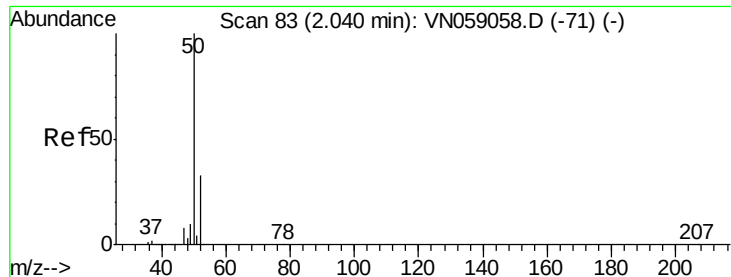
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 39.886 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 293025

Ion Ratio Lower Upper

50 100

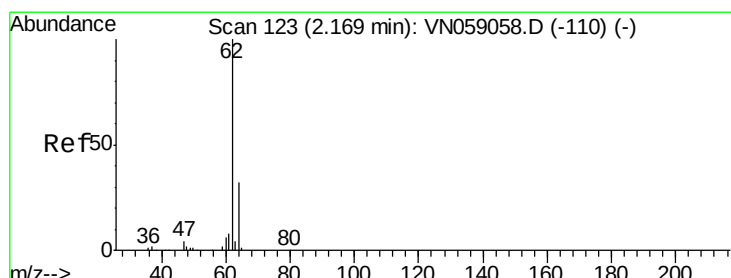
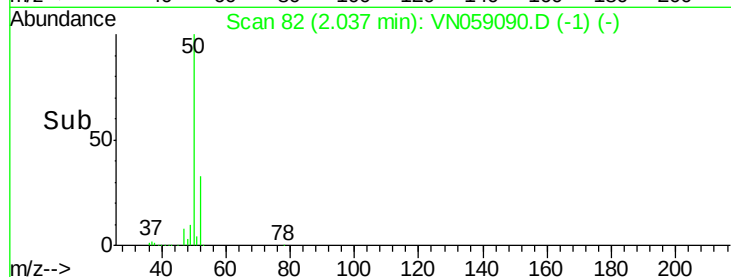
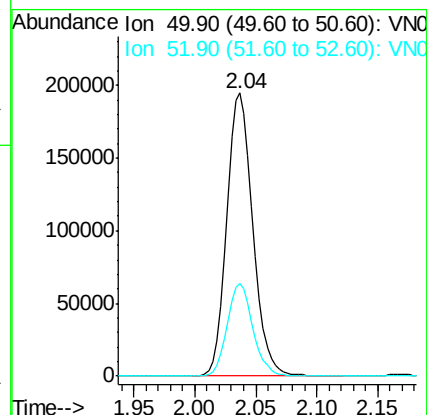
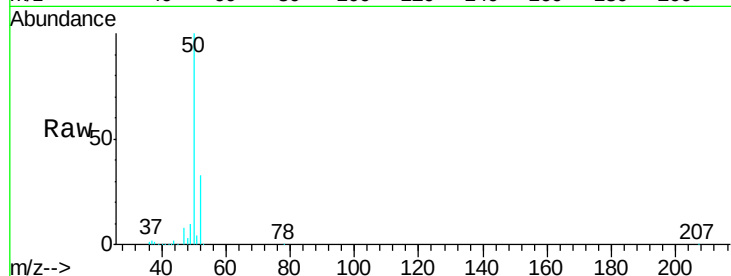
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.755 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059090.D

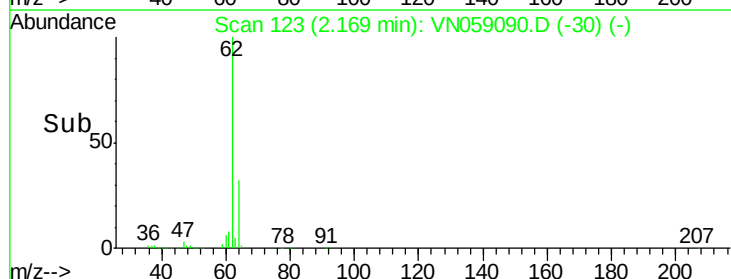
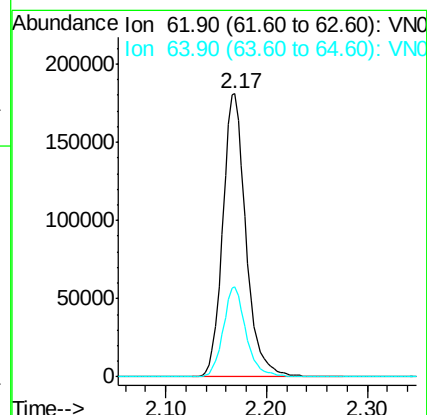
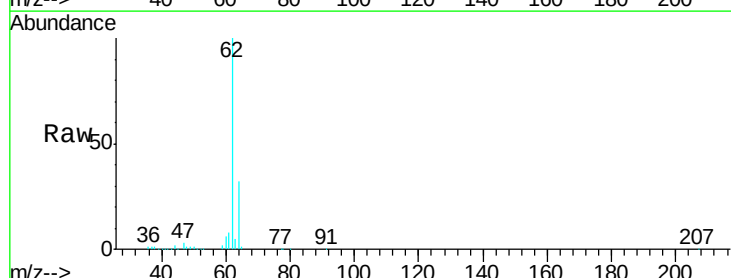
Acq: 5 Nov 2019 14:31

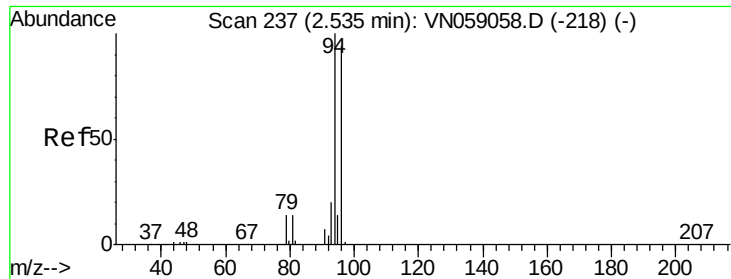
Tgt Ion: 62 Resp: 290626

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 40.129 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 169184

Ion Ratio Lower Upper

94 100

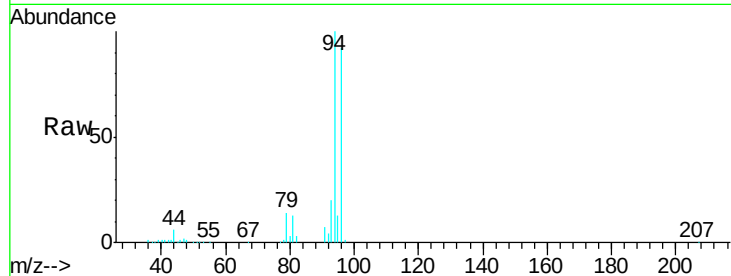
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Manual Integrations

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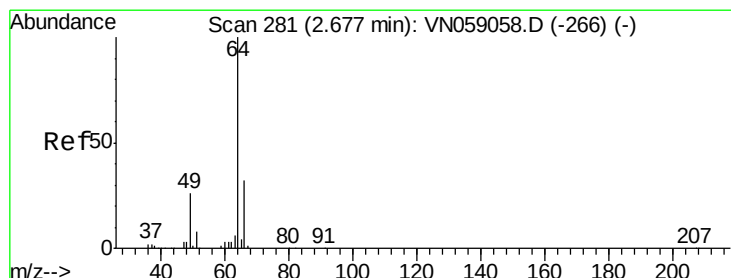
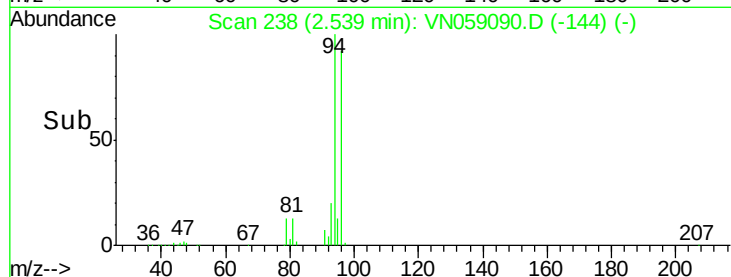
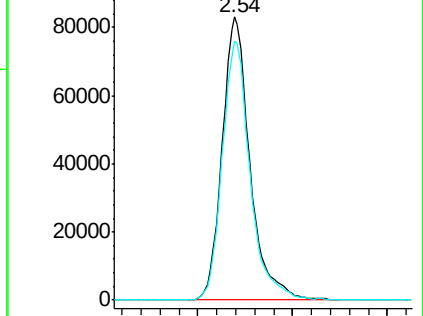
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Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)



#6

Chloroethane

Concen: 39.126 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059090.D

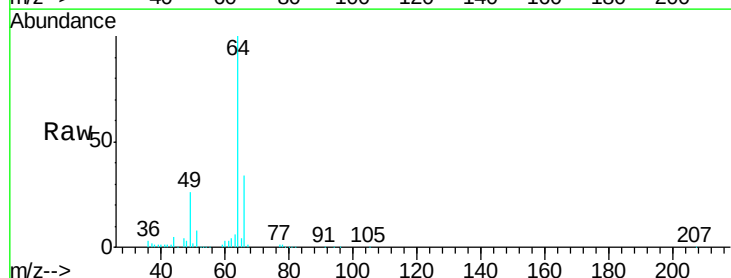
Acq: 5 Nov 2019 14:31

Tgt Ion: 64 Resp: 170876

Ion Ratio Lower Upper

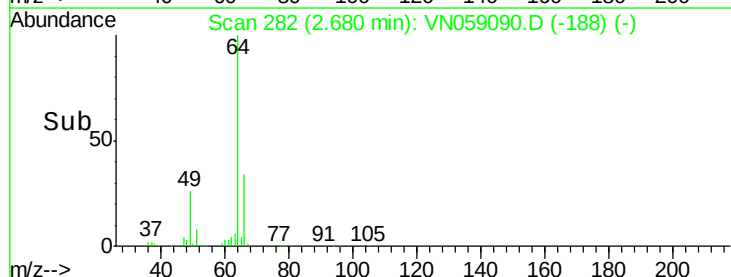
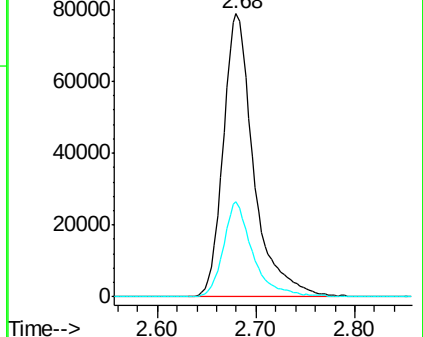
64 100

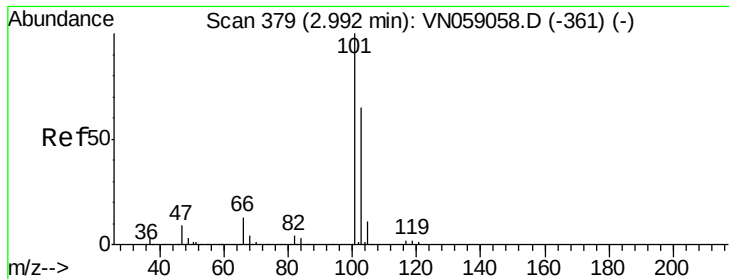
66 33.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)





#7

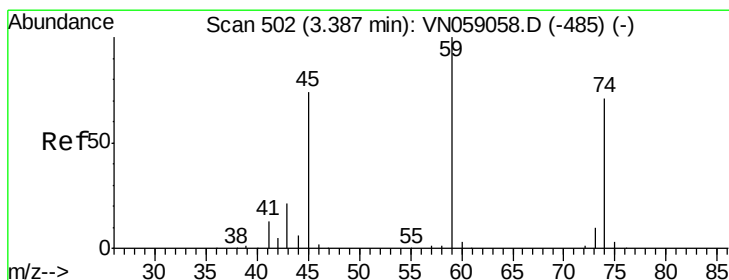
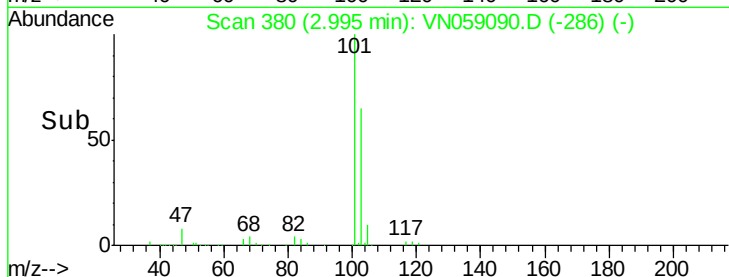
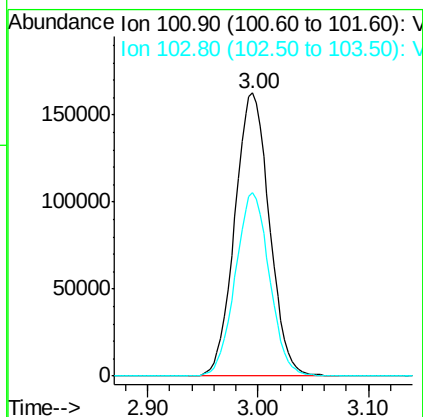
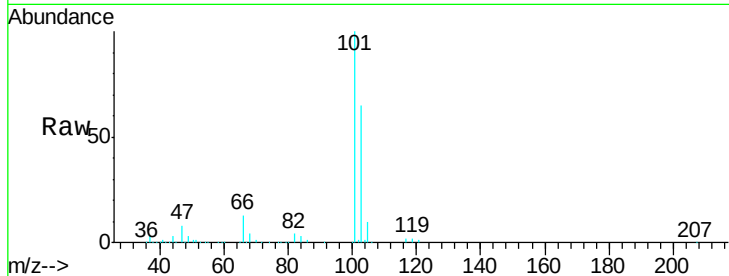
Trichlorofluoromethane
Concen: 41.737 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 353670
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5

Manual Integrations
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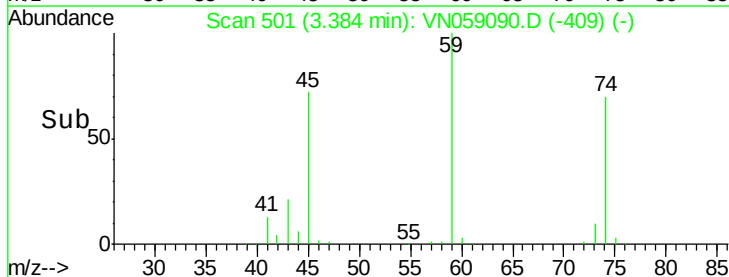
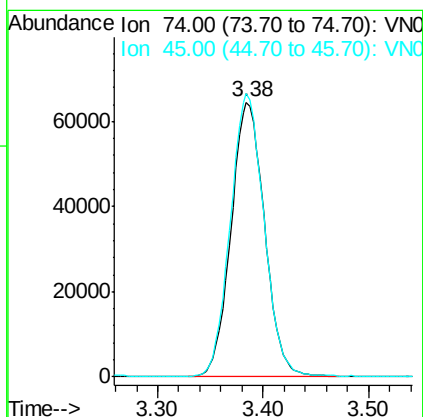
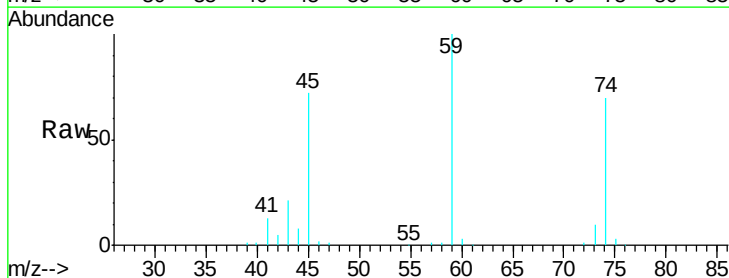
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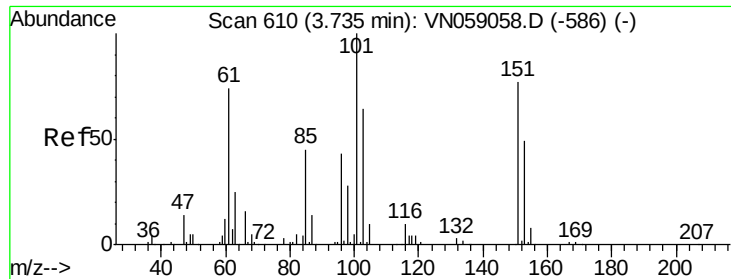


#8

Diethyl Ether
Concen: 43.052 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 74 Resp: 142466
Ion Ratio Lower Upper
74 100
45 103.4 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.348 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

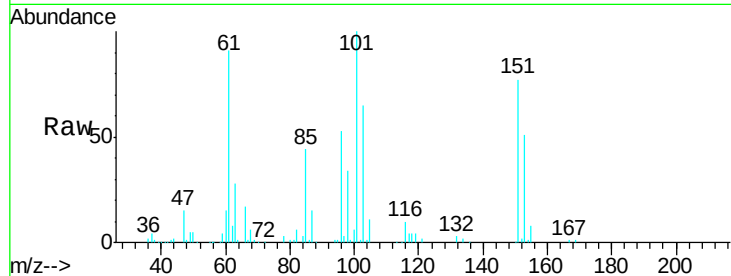
ClientSampleId :

VSTDCCC050EC

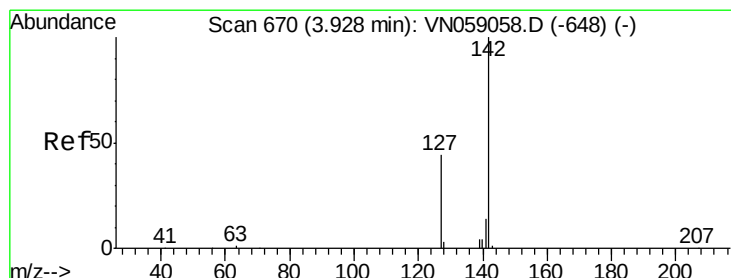
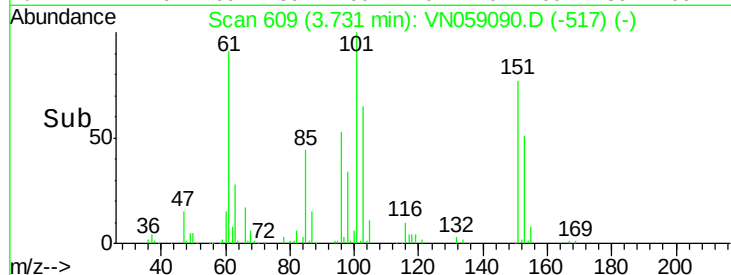
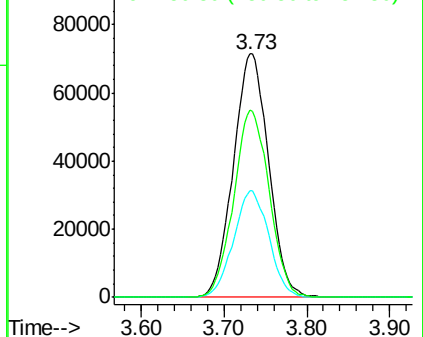
Tgt Ion:	101	Resp:	211513
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.6
151	77.2	61.3	91.9

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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: 43.700 ug/l

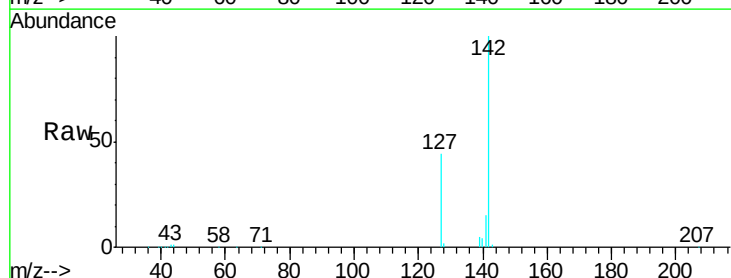
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

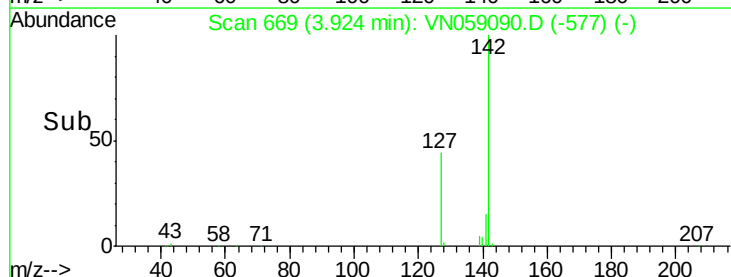
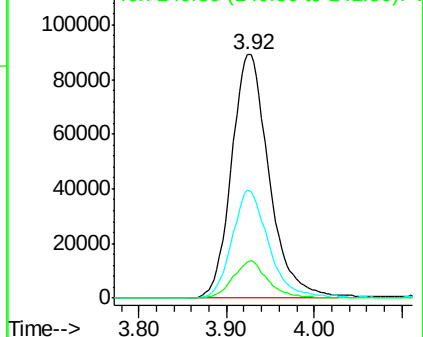
Lab File: VN059090.D

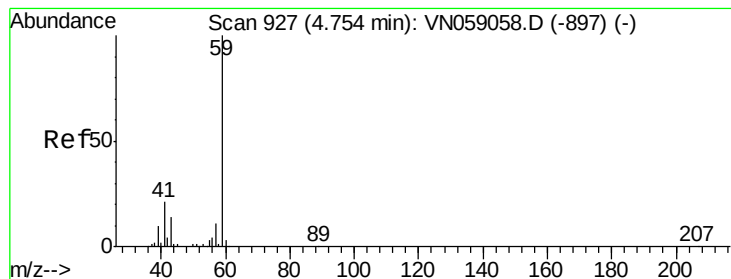
Acq: 5 Nov 2019 14:31

Tgt Ion:	142	Resp:	265287
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.2	51.2
141	14.3	11.1	16.7



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

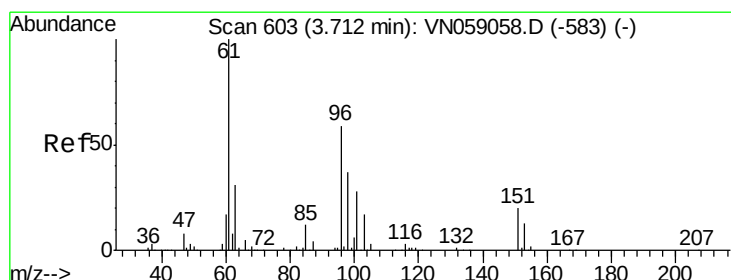
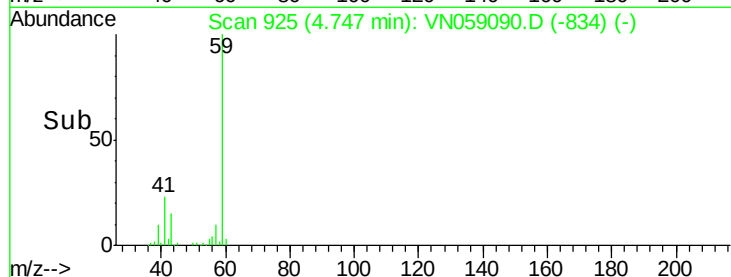
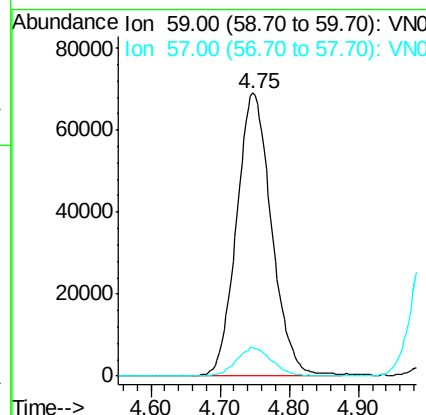
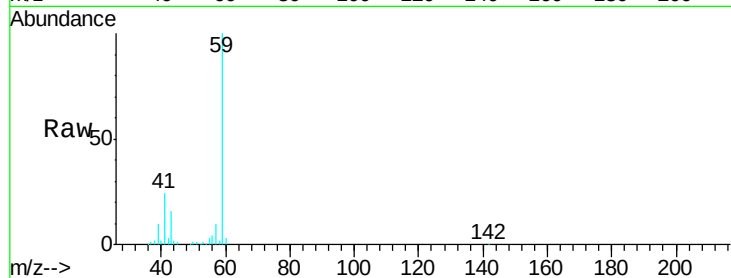
Tert butyl alcohol
Concen: 197.927 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

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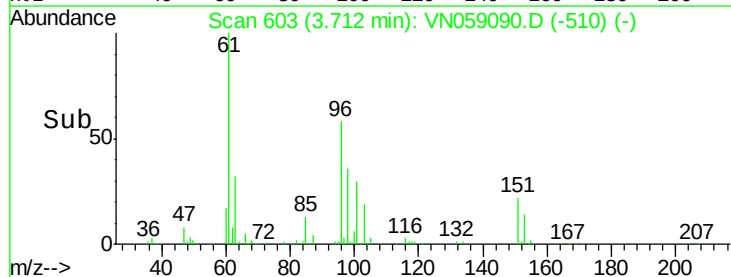
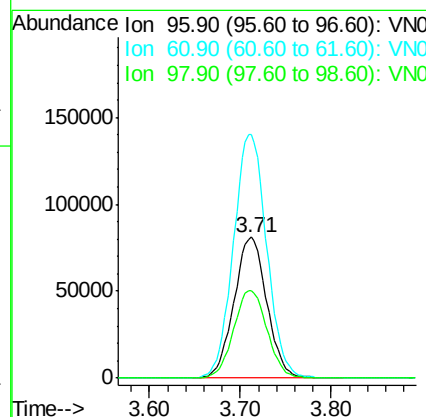
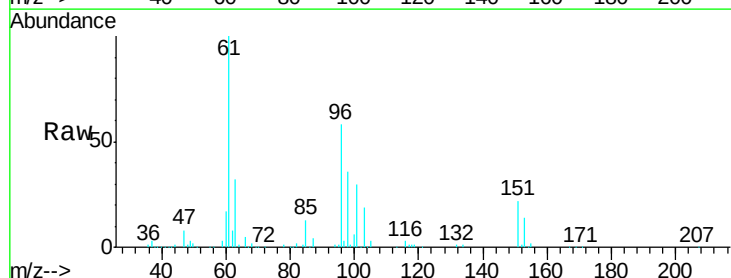
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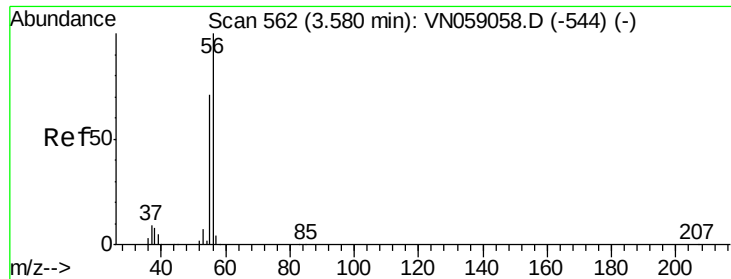


#12

1,1-Dichloroethene
Concen: 40.962 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	135.3	202.9
98	62.5	49.4	74.2





#13

Acrolein

Concen: 207.905 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 161135

Ion Ratio Lower Upper

56 100

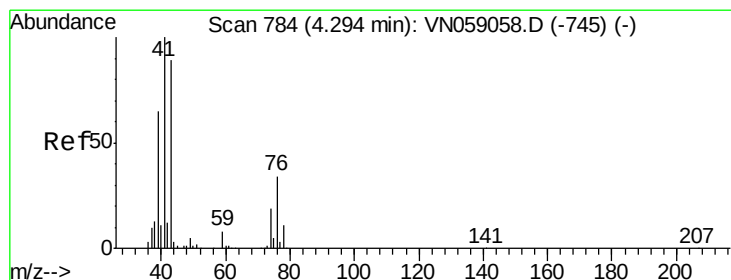
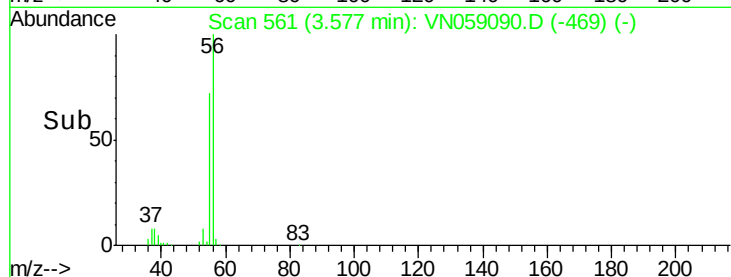
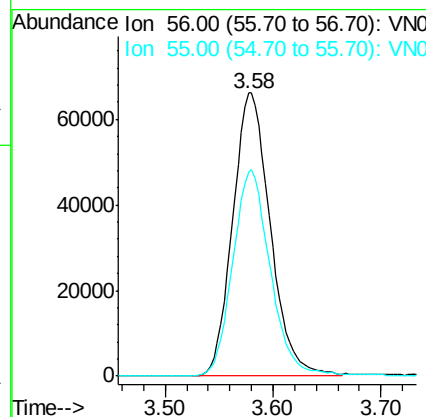
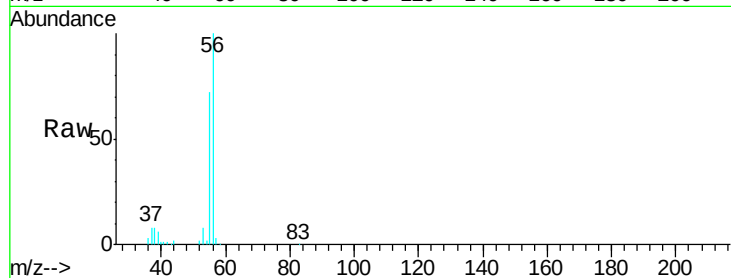
55 72.1 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 42.075 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

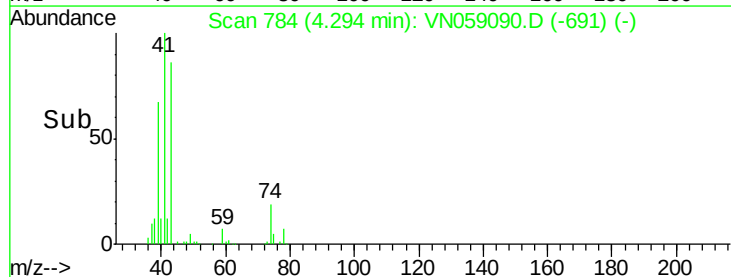
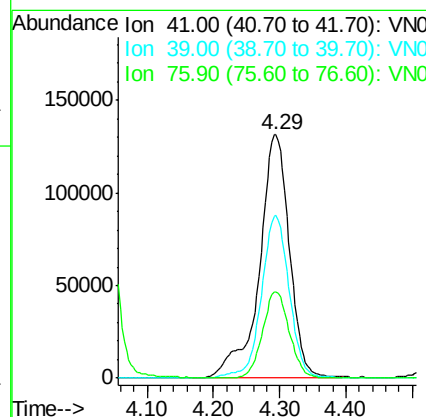
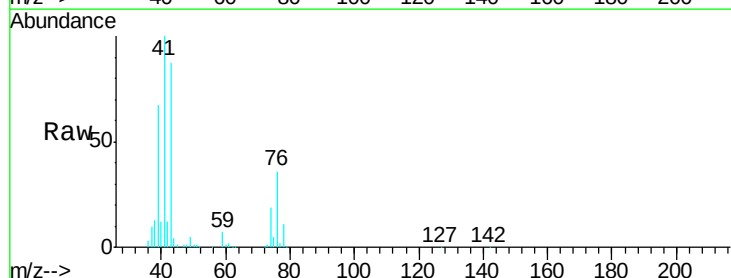
Tgt Ion: 41 Resp: 414134

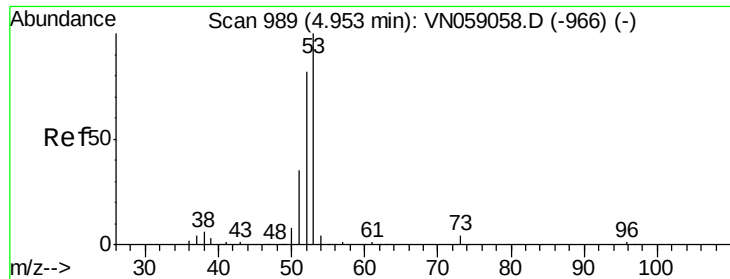
Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

76 31.6 24.6 37.0





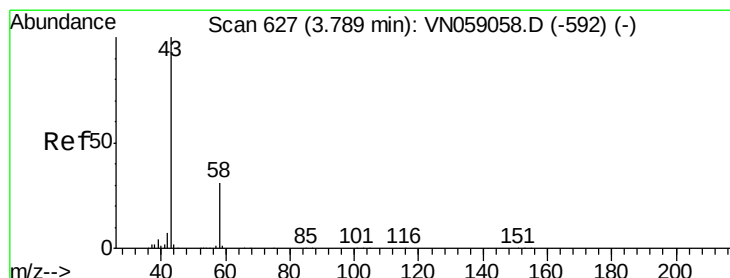
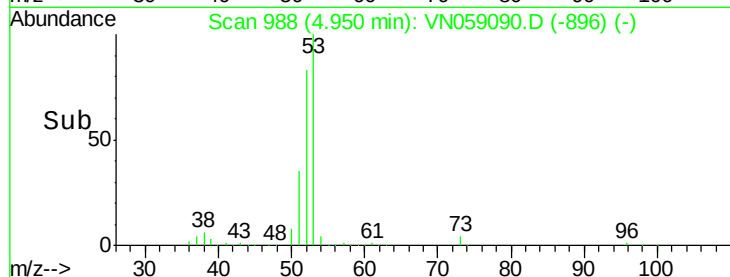
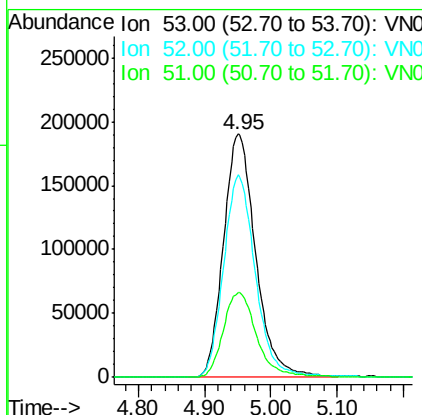
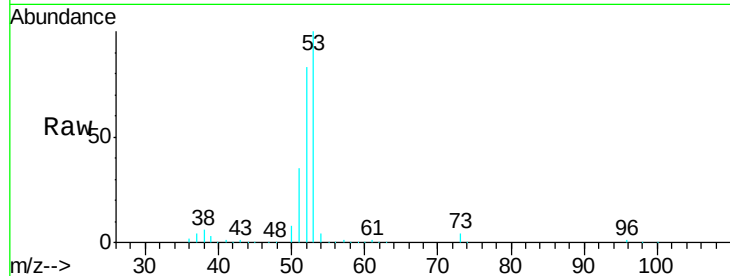
#15
 Acrylonitrile
 Concen: 208.680 ug/l
 RT: 4.95 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	53	Resp:	642981
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.0	99.0
51	36.0	28.3	42.5

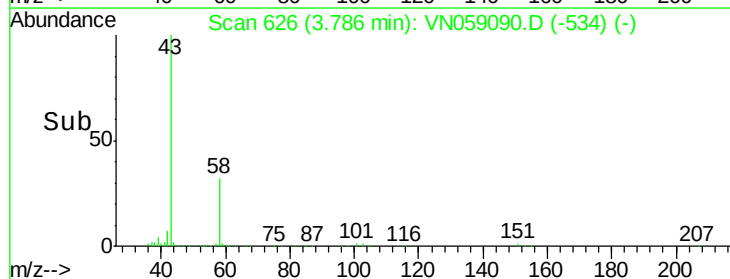
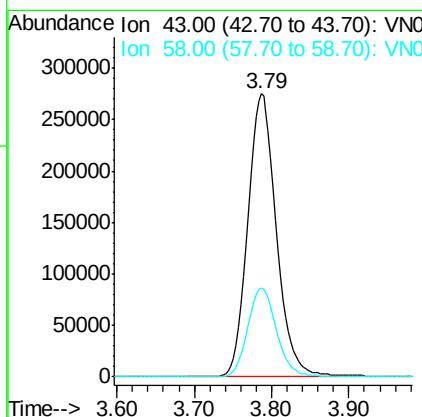
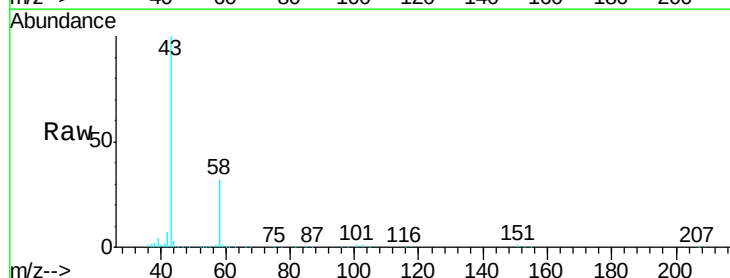
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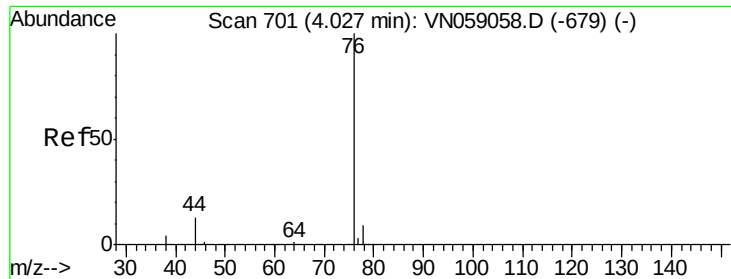
MMDadoda
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#16
 Acetone
 Concen: 211.081 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion:	43	Resp:	709203
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.0	37.6





#17

Carbon Disulfide

Concen: 39.200 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 619041

Ion Ratio Lower Upper

76 100

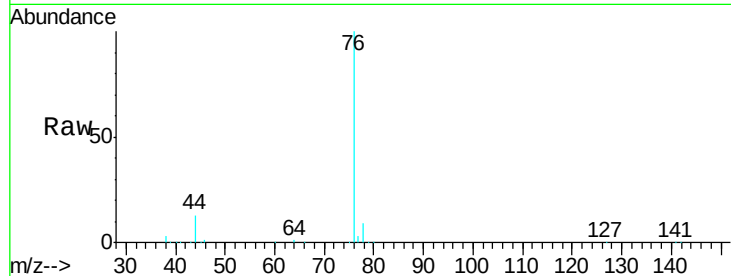
78 9.3 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

250000

200000

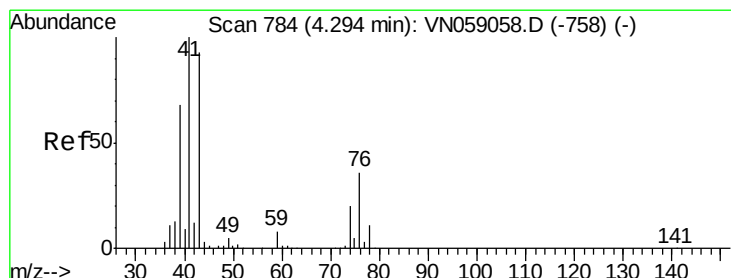
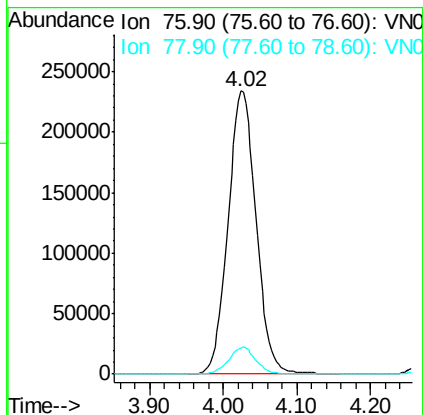
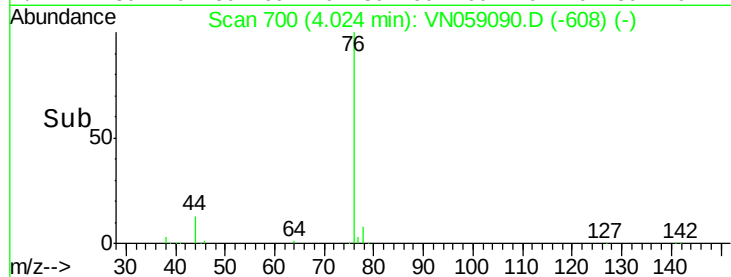
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 38.211 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059090.D

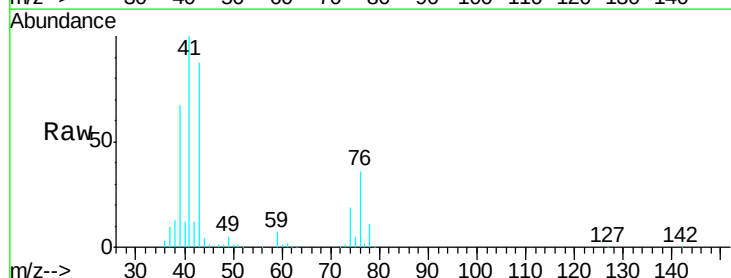
Acq: 5 Nov 2019 14:31

Tgt Ion: 43 Resp: 325245

Ion Ratio Lower Upper

43 100

74 22.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

120000

100000

80000

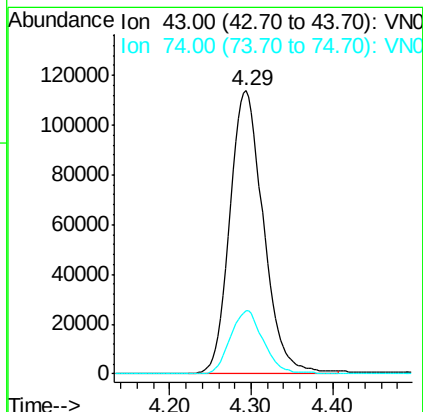
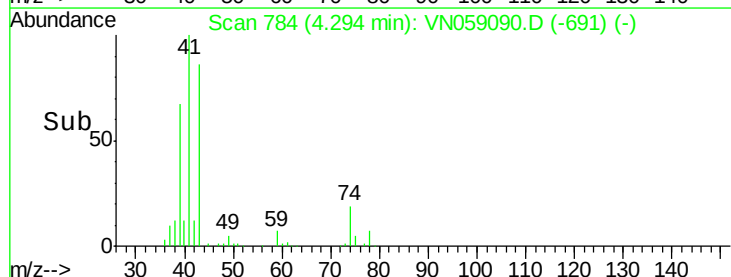
60000

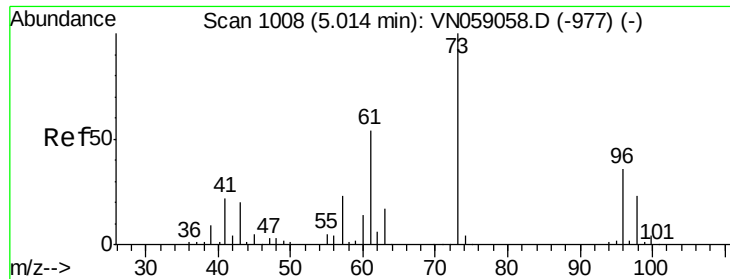
40000

20000

0

Time-->





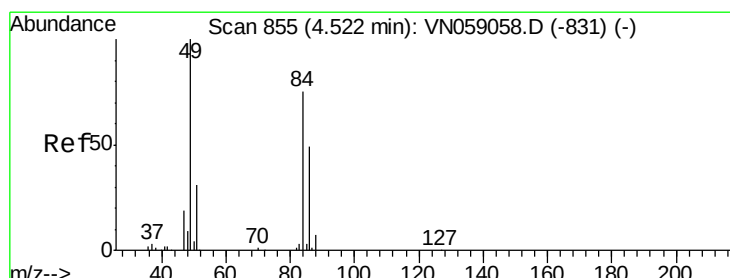
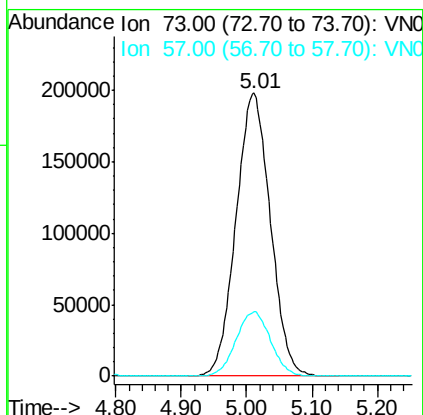
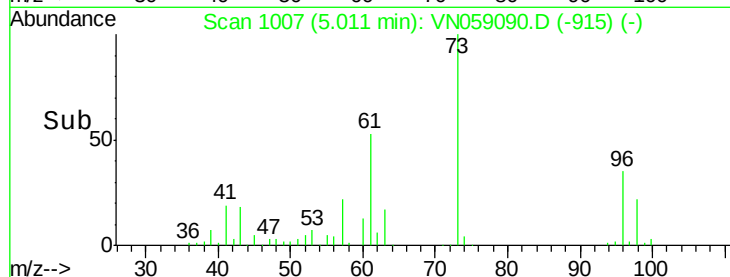
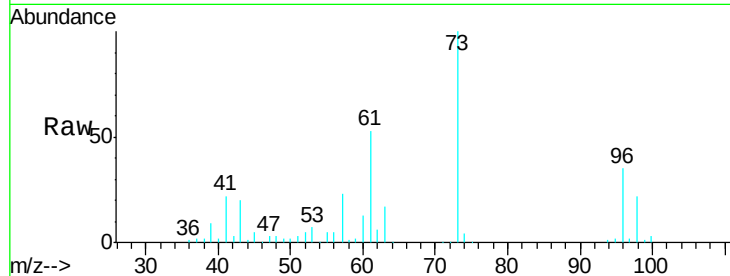
#19
Methyl tert-butyl Ether
Concen: 42.815 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 724342
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

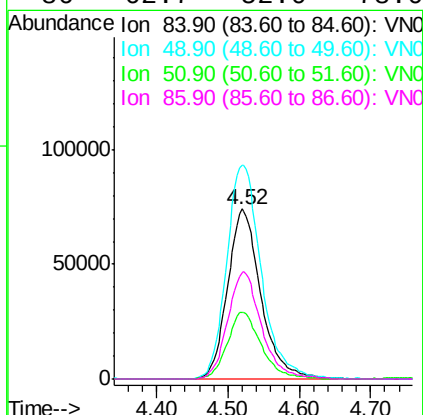
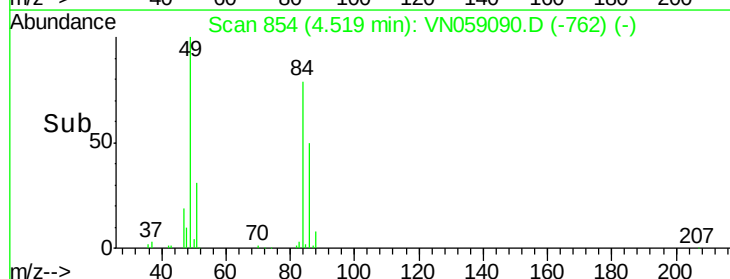
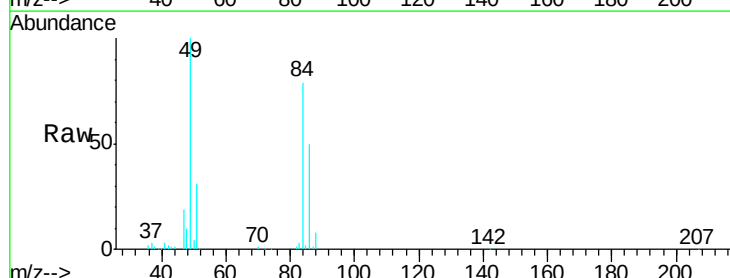
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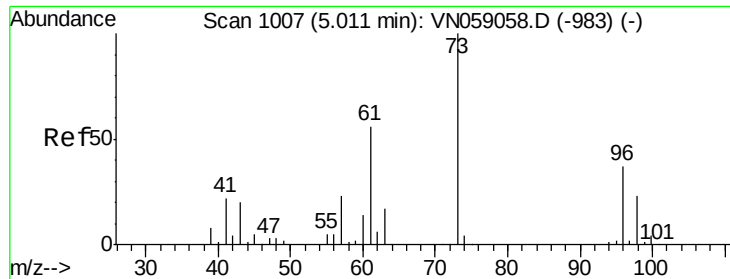
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#20
Methylene Chloride
Concen: 40.900 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 84 Resp: 240565
Ion Ratio Lower Upper
84 100
49 125.8 106.4 159.6
51 39.2 33.0 49.4
86 62.7 52.0 78.0





#21

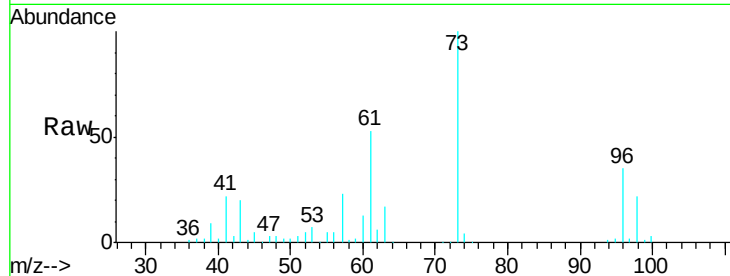
trans-1,2-Dichloroethene
Concen: 41.771 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

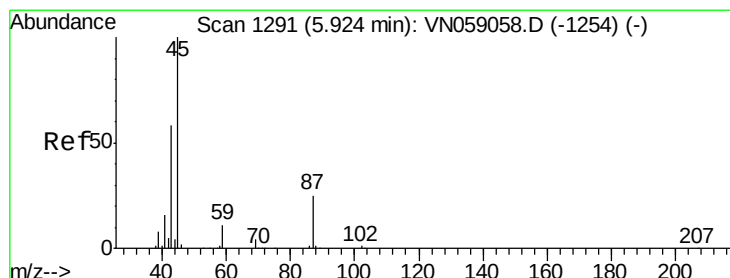
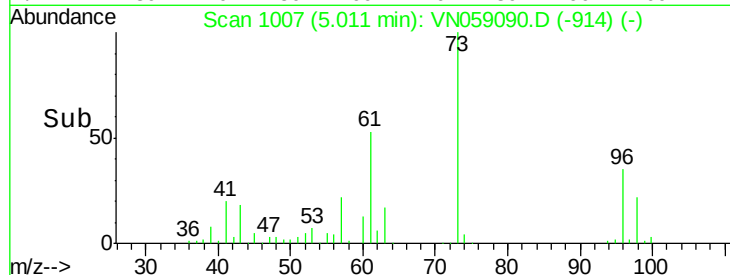
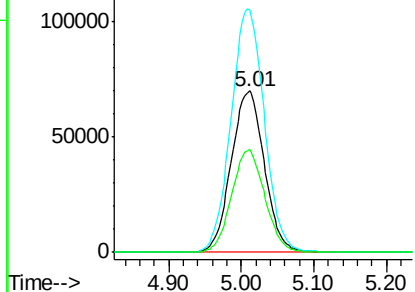
Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	121.7	182.5
98	63.8	50.6	76.0

Manual Integrations
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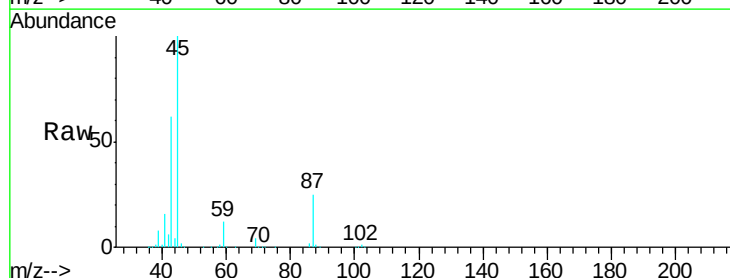
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



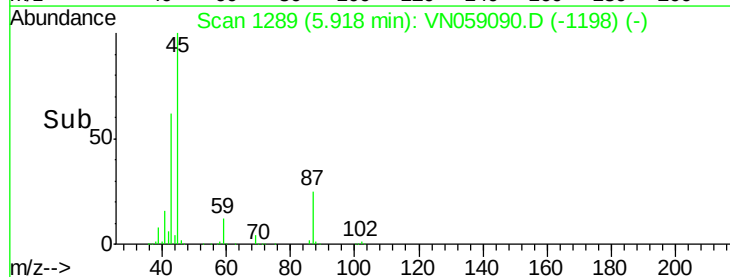
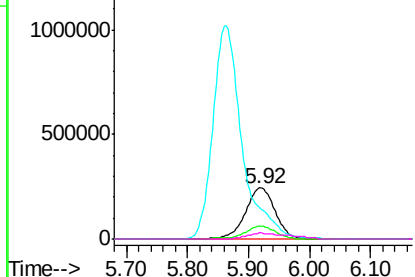
#22

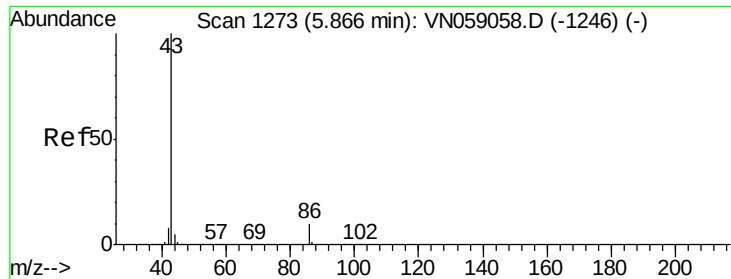
Diisopropyl ether
Concen: 44.009 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.9	70.3
87	24.9	20.1	30.1
59	11.5	9.0	13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 227.266 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3393585

Ion Ratio Lower Upper

43 100

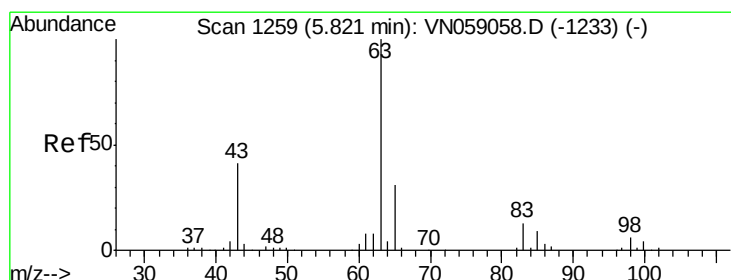
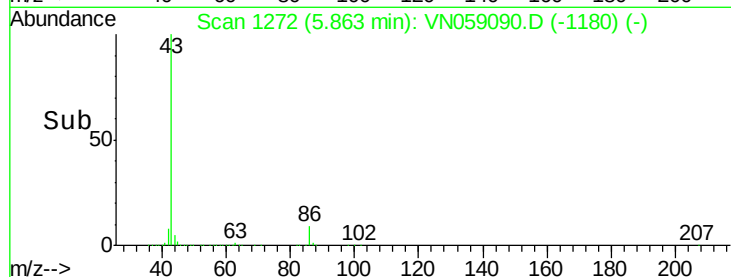
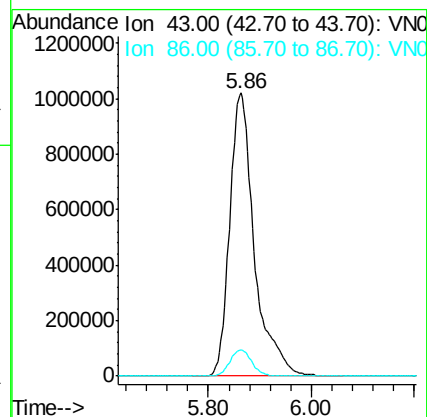
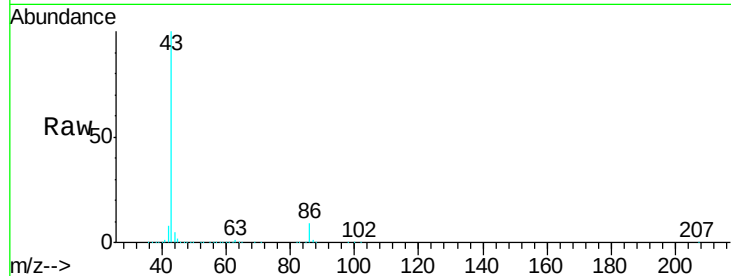
86 9.4 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 41.566 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

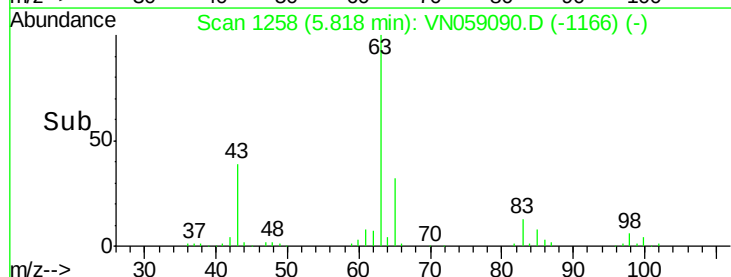
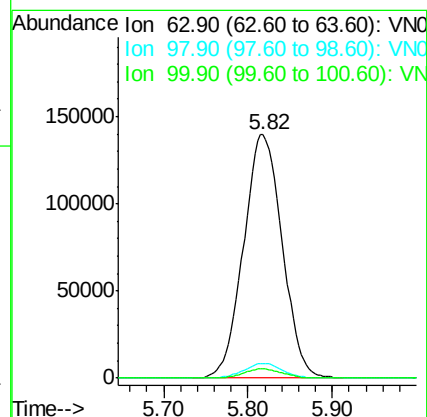
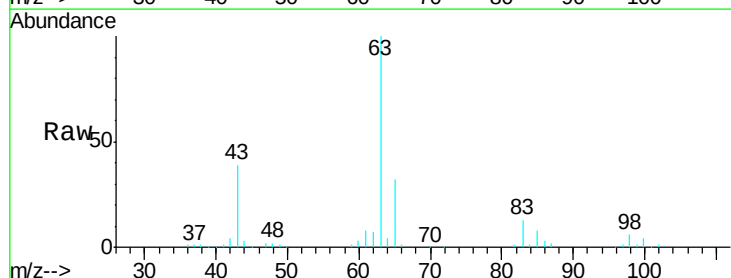
Tgt Ion: 63 Resp: 445534

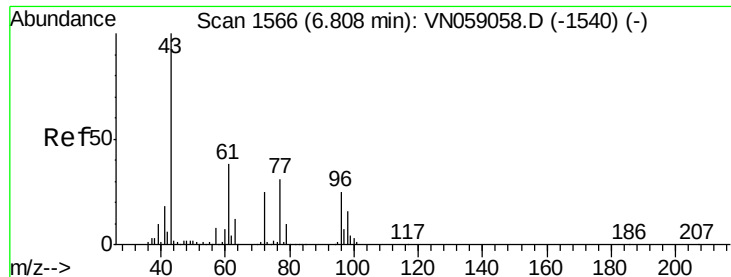
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 211.269 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 945177

Ion Ratio Lower Upper

43 100

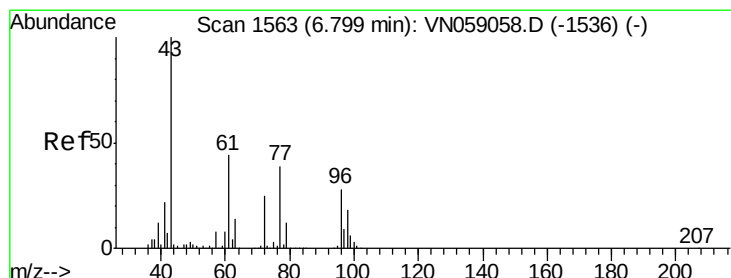
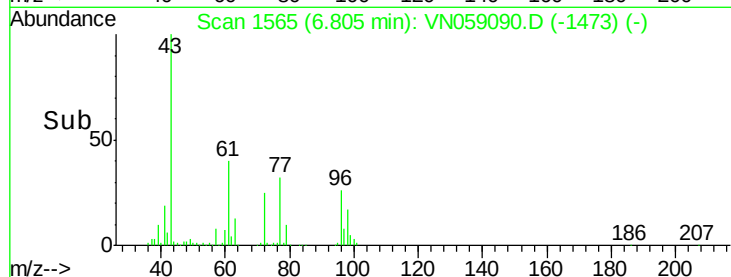
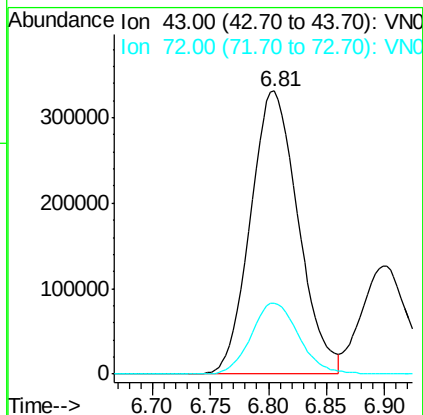
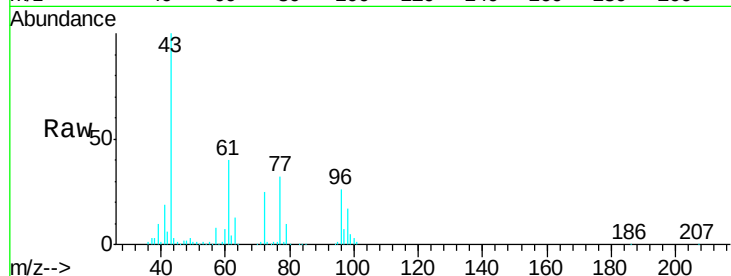
72 25.2 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.009 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059090.D

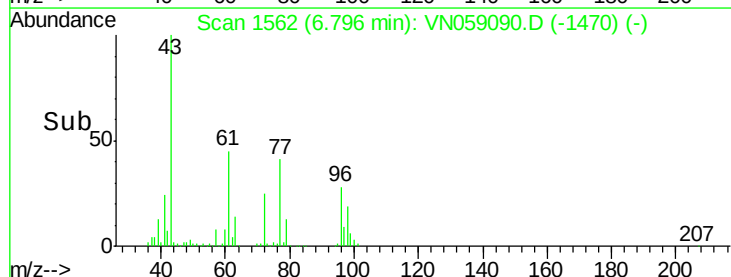
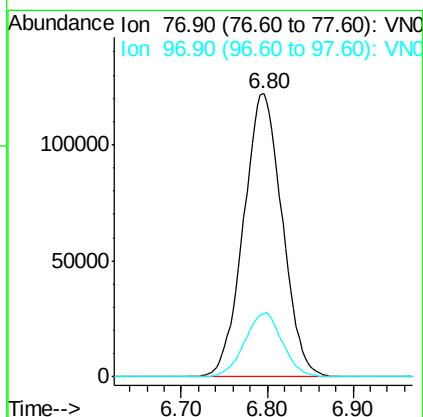
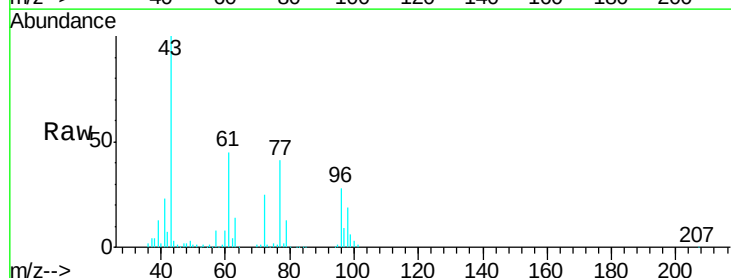
Acq: 5 Nov 2019 14:31

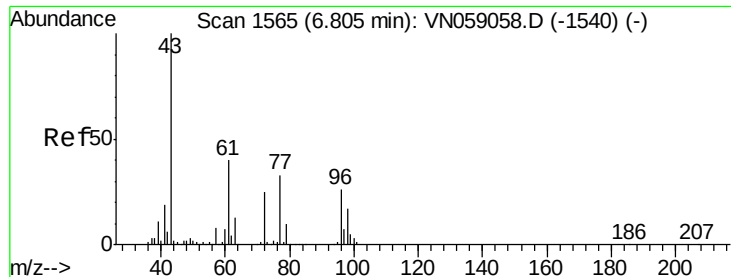
Tgt Ion: 77 Resp: 381525

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 42.495 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

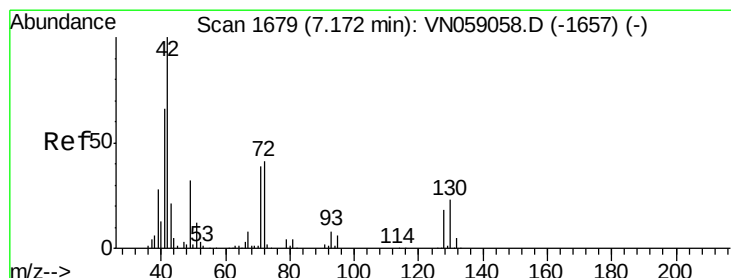
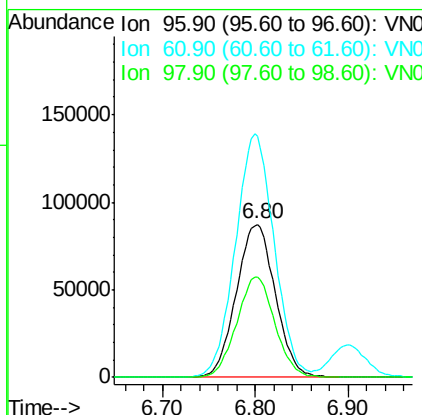
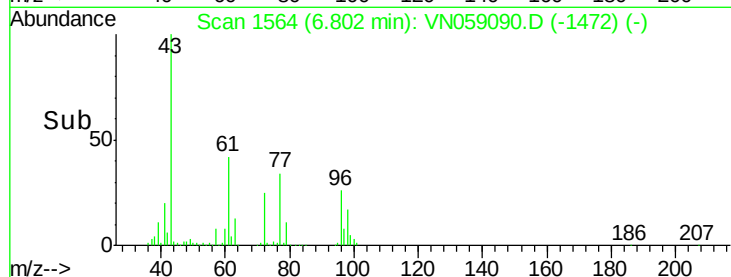
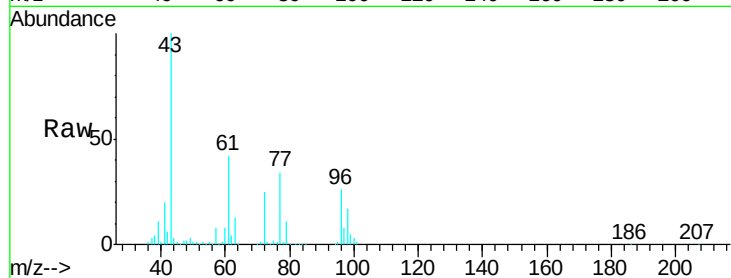
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	255156
Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	316.4
98	64.3	0.0	128.2

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#28

Bromochloromethane

Concen: 43.876 ug/l

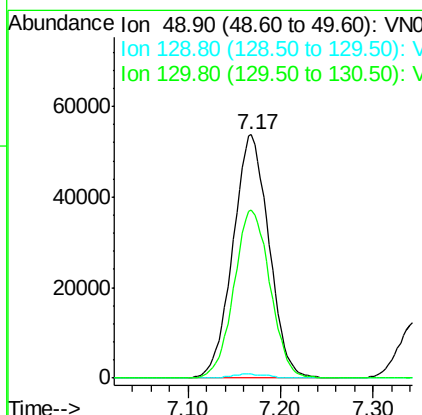
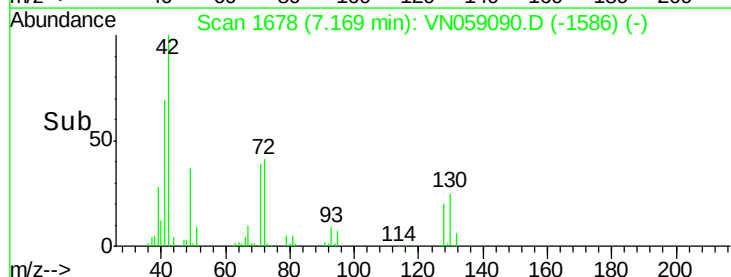
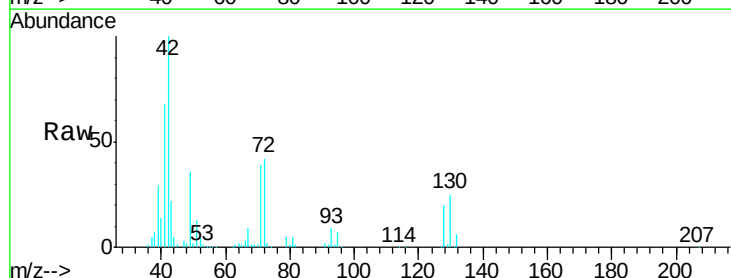
RT: 7.17 min Scan# 1678

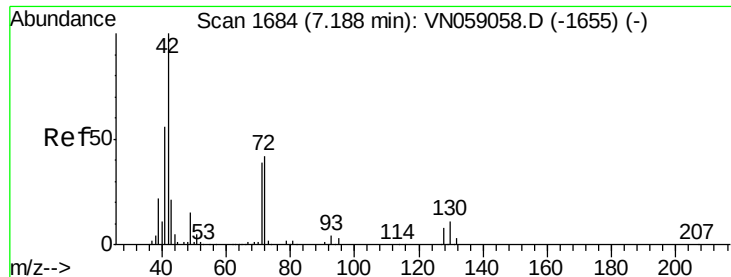
Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion:	49	Resp:	145144
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	68.9	55.0	82.6





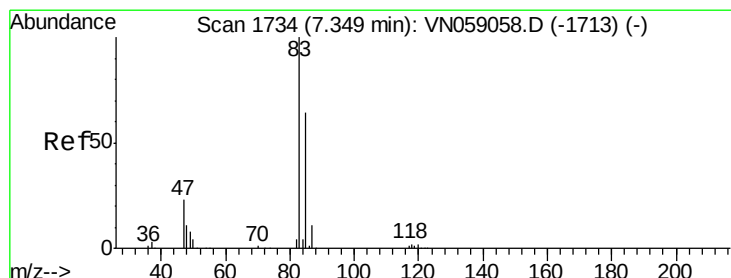
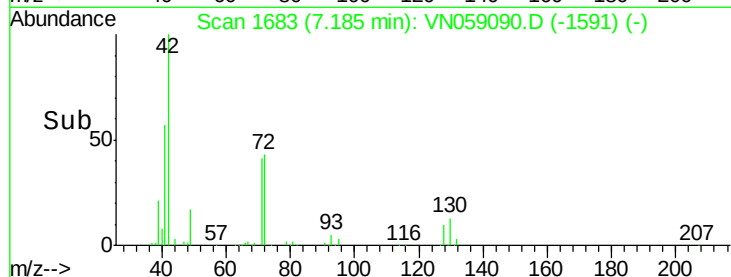
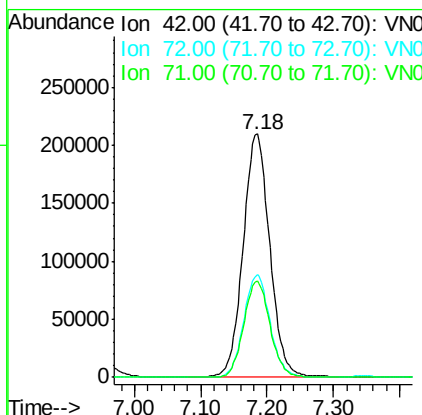
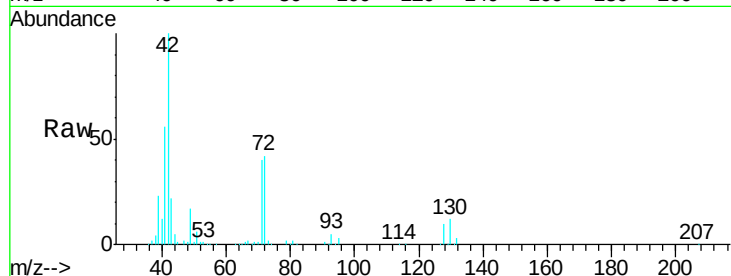
#29
Tetrahydrofuran
Concen: 206.663 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.7	49.1
71	39.3	31.2	46.8

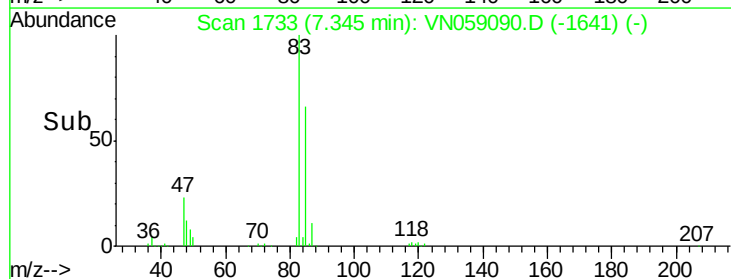
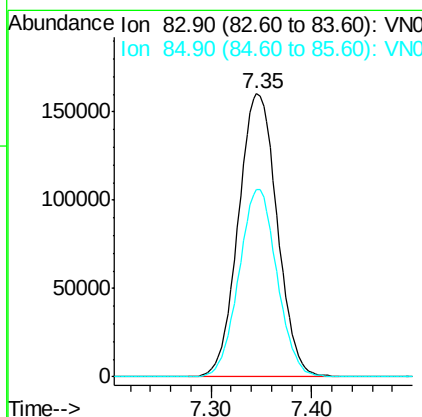
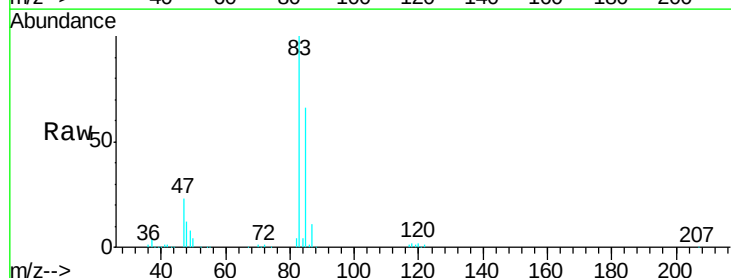
Manual Integrations
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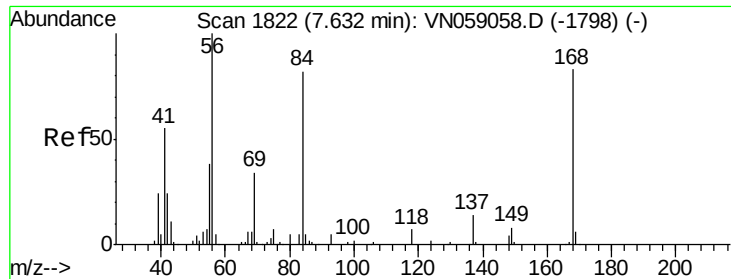
MMDadoda
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#30
Chloroform
Concen: 41.690 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.9	76.3





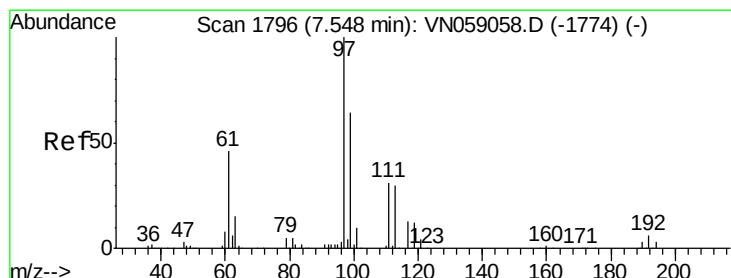
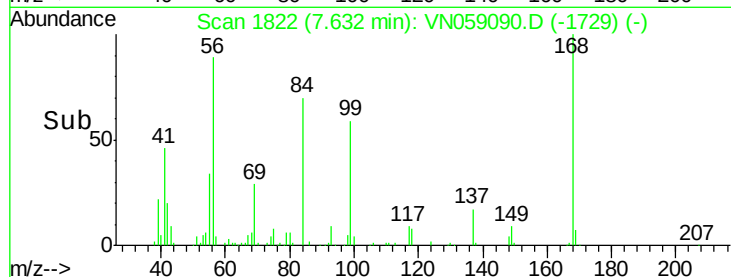
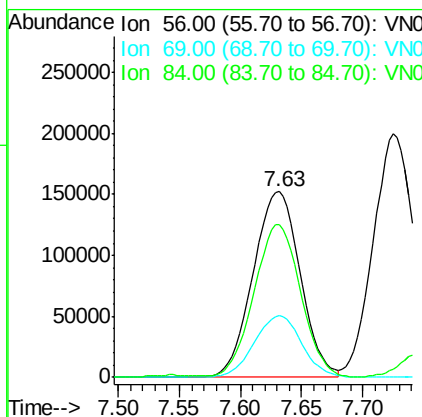
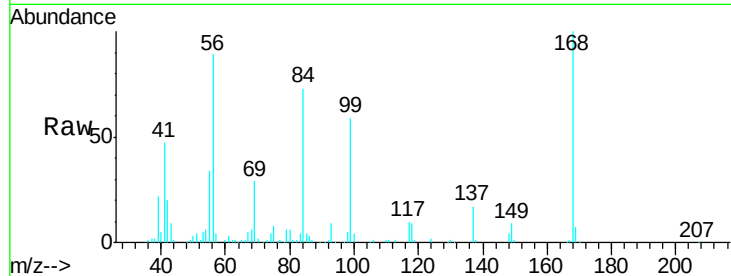
#31
Cyclohexane
Concen: 40.007 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.2	27.2	40.8
84	81.2	65.2	97.8

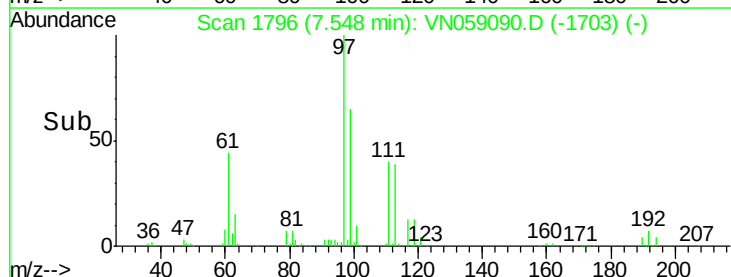
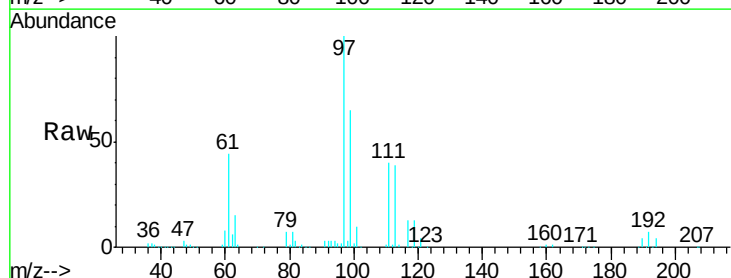
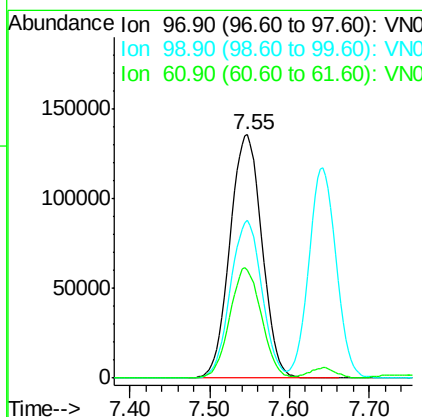
Manual Integrations
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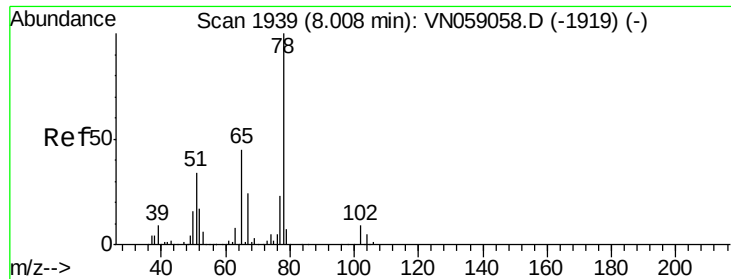
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 42.285 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	44.8	36.3	54.5





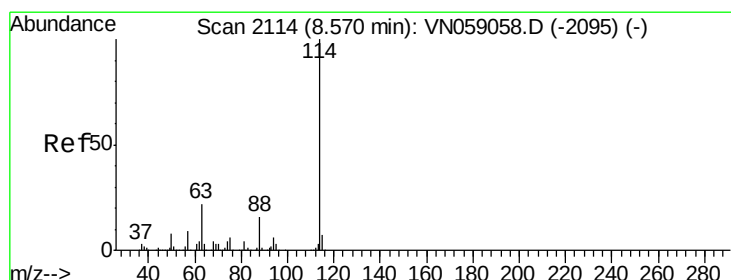
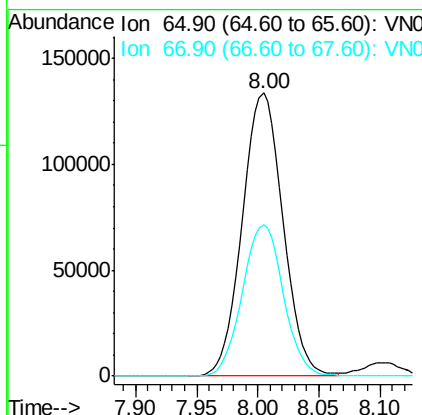
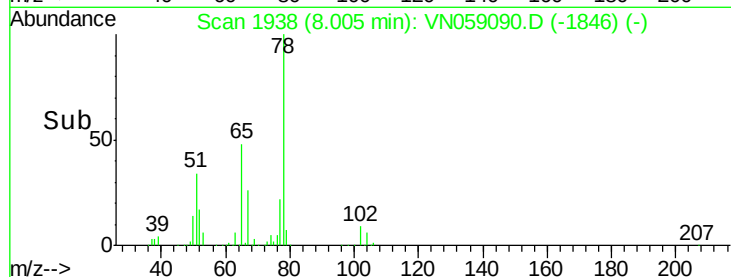
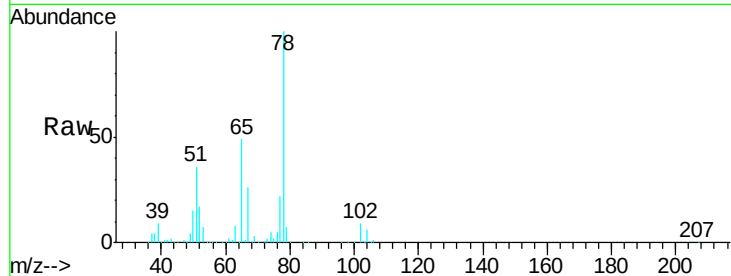
#33
 1,2-Dichloroethane-d4
 Concen: 46.490 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 308537
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6

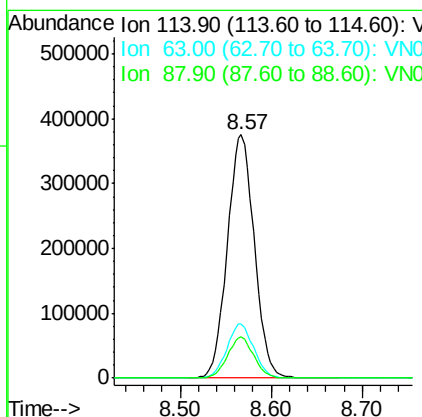
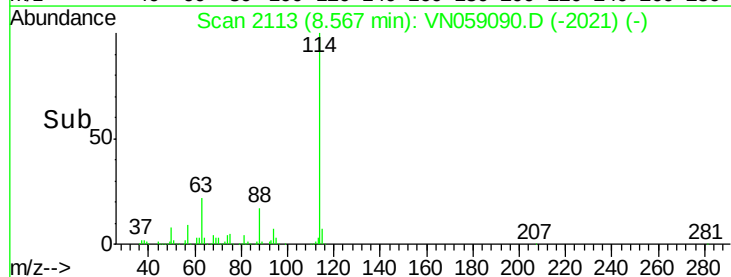
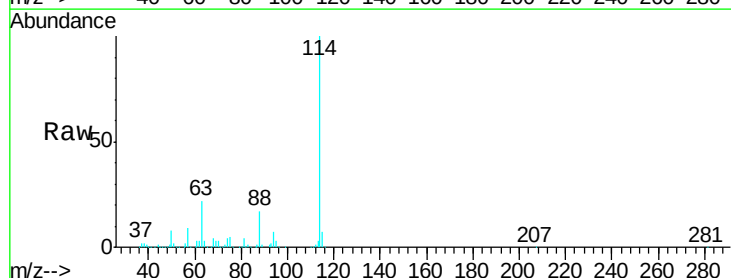
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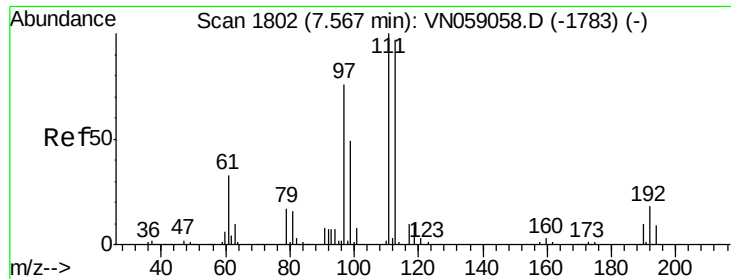
MMDadoda
 11/6/2019 1:56:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion: 114 Resp: 772388
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.8 0.0 33.0





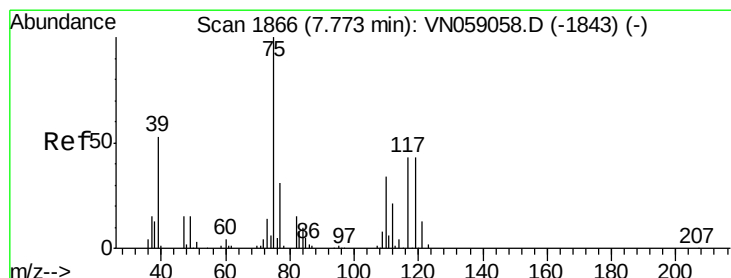
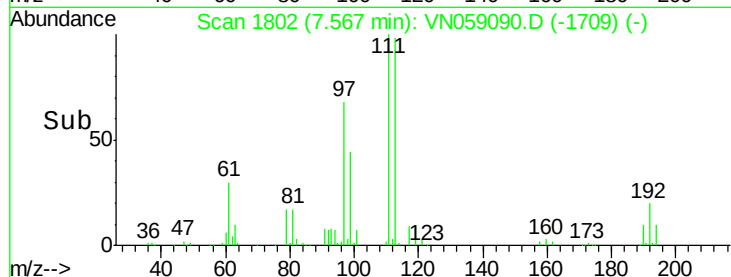
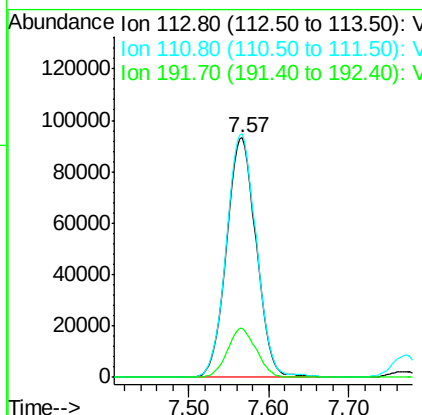
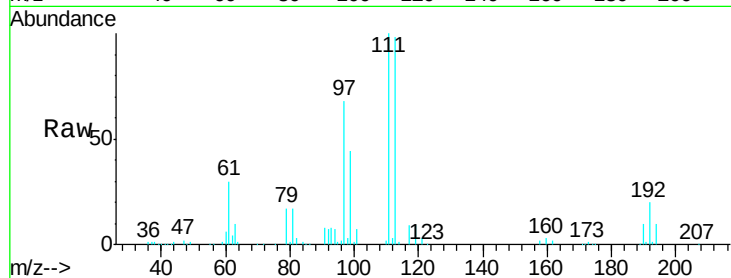
#35
 Dibromofluoromethane
 Concen: 47.422 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	236298		
111	101.7	82.9	124.3	
192	19.8	15.9	23.9	

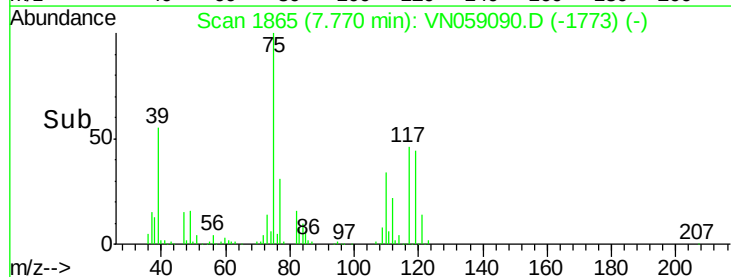
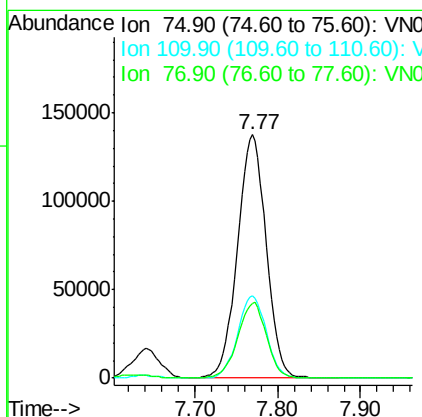
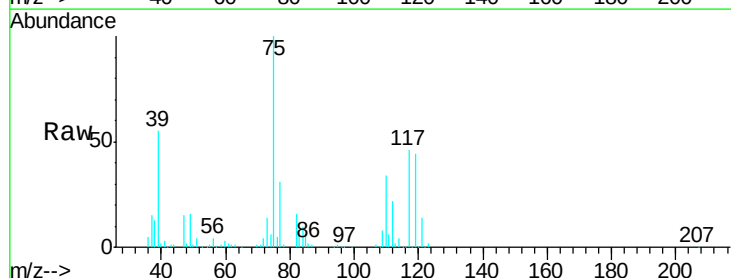
Manual Integrations
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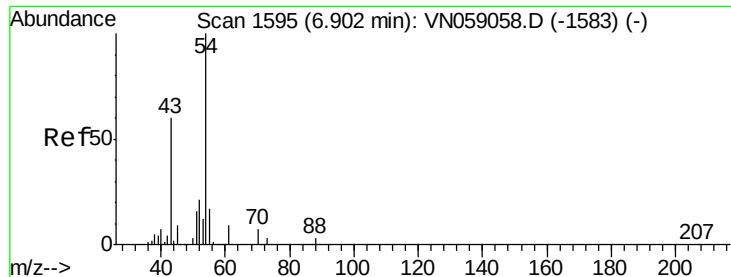
MMDadoda
 11/6/2019 1:56:29 PM



#36
 1,1-Dichloropropene
 Concen: 42.980 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	329939		
110	33.7	16.9	50.6	
77	31.3	25.0	37.4	





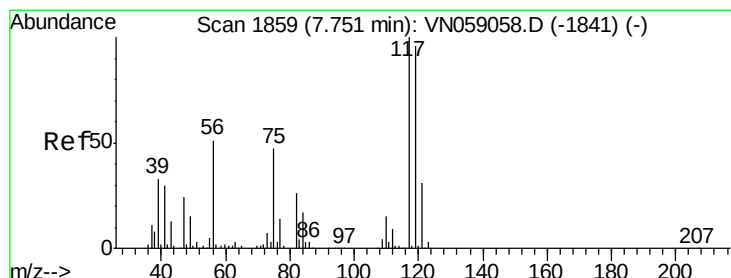
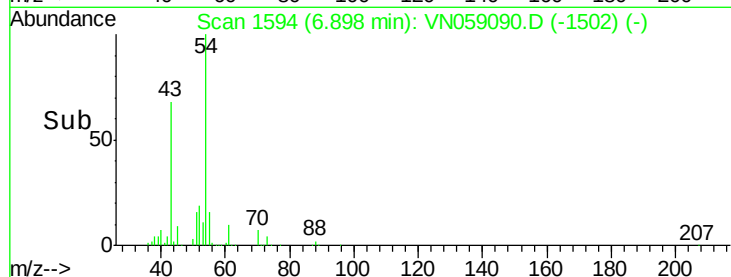
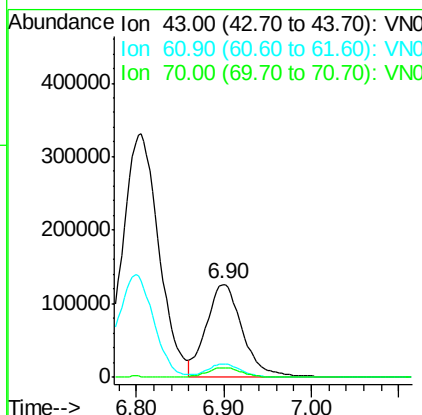
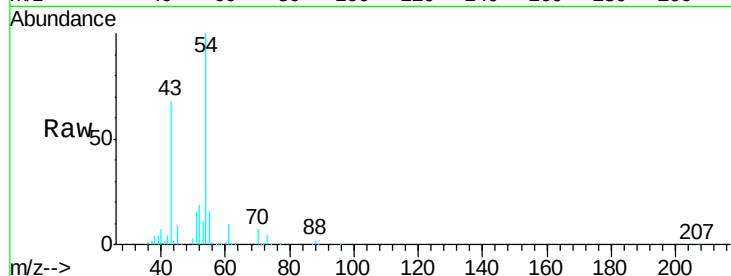
#37
Ethyl Acetate
Concen: 42.053 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.2	16.8
70	10.1	8.0	12.0

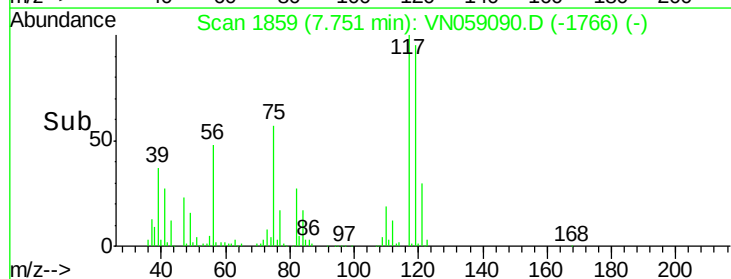
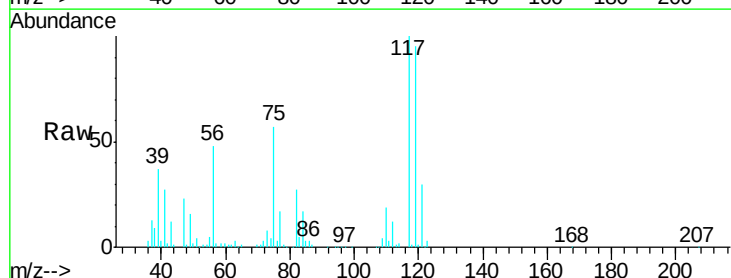
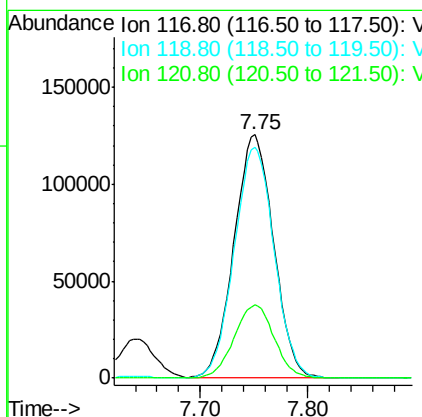
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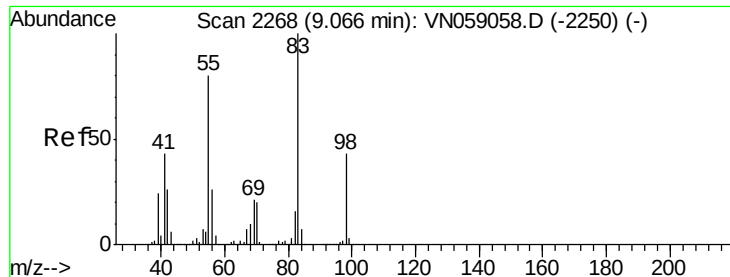
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#38
Carbon Tetrachloride
Concen: 42.536 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	114.8
121	30.1	24.6	37.0





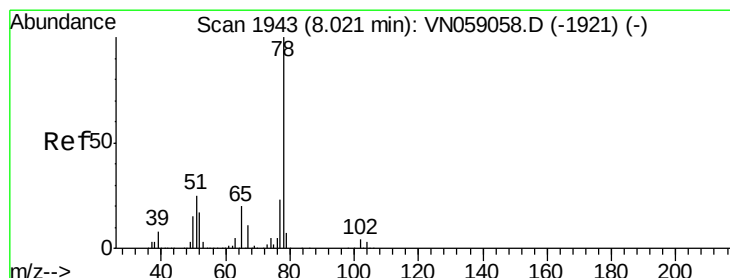
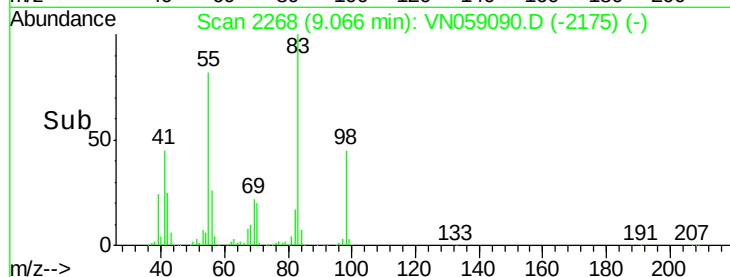
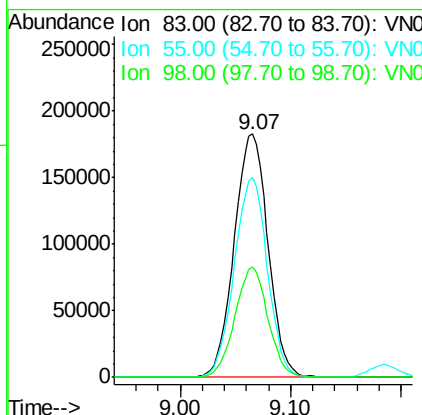
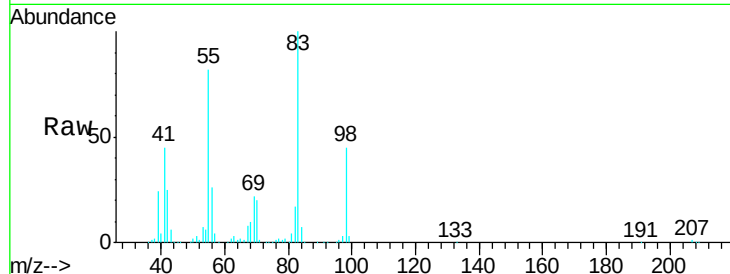
#39
Methylcyclohexane
Concen: 43.816 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	388780		
55	82.1	64.1	96.1	
98	45.3	34.3	51.5	

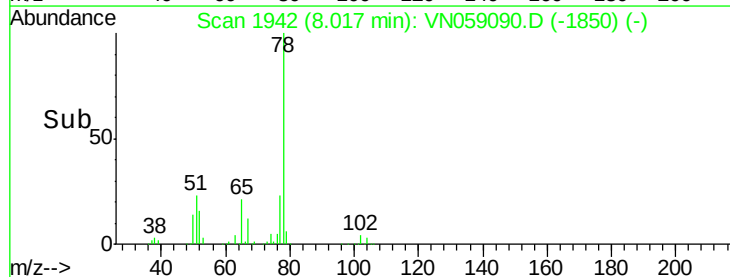
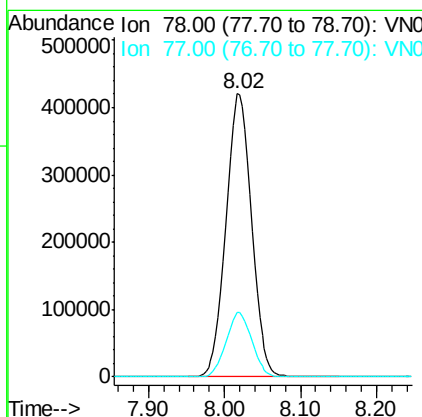
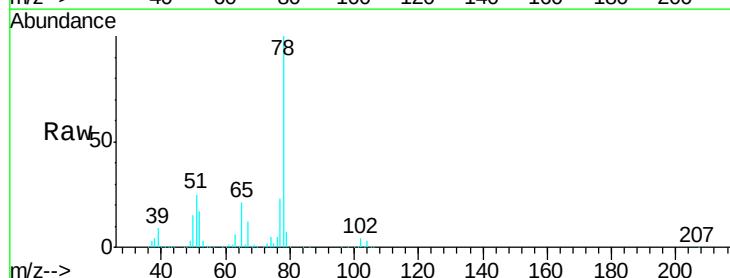
Manual Integrations
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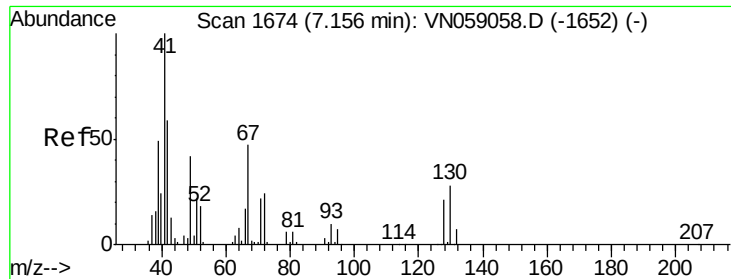
MMDadoda
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#40
Benzene
Concen: 43.447 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	989817		
77	22.9	18.6	27.8	





#41

Methacrylonitrile

Concen: 49.618 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tgt Ion: 41 Resp: 183005
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

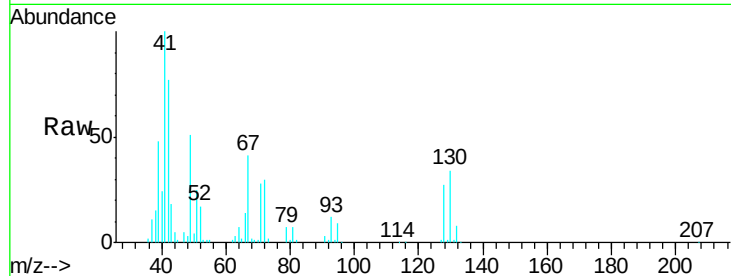
67 0.0 0.0 0.0

52 0.0 0.0 0.0

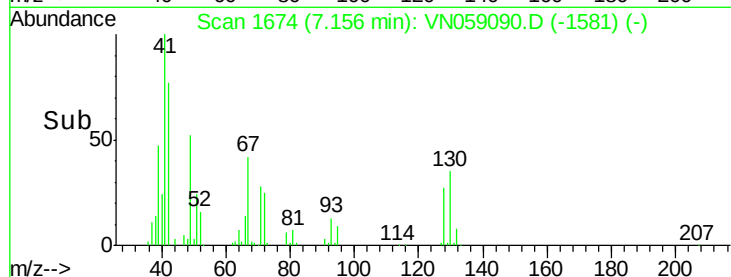
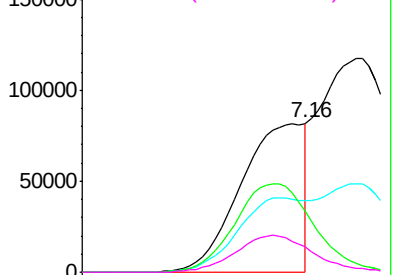
Manual Integrations
APPROVED

MMDadoda

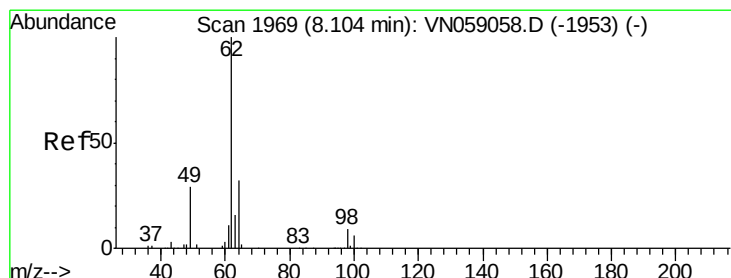
11/6/2019 1:56:29 PM



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



Time-->



#42

1,2-Dichloroethane

Concen: 42.971 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

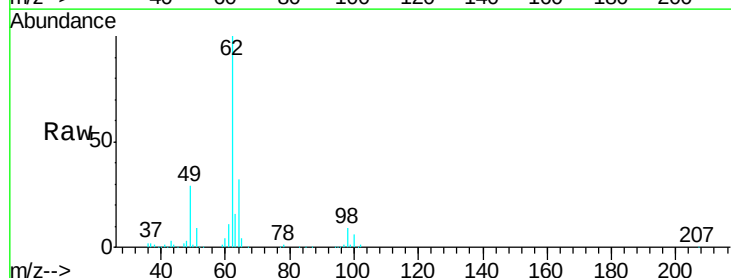
Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

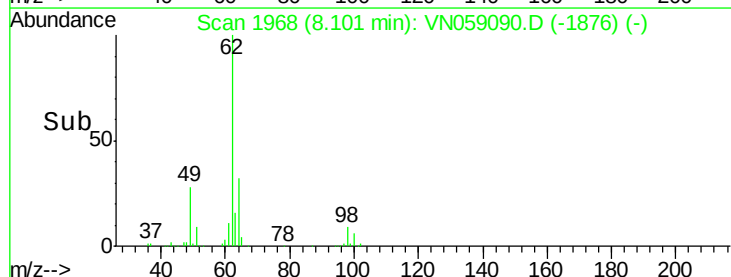
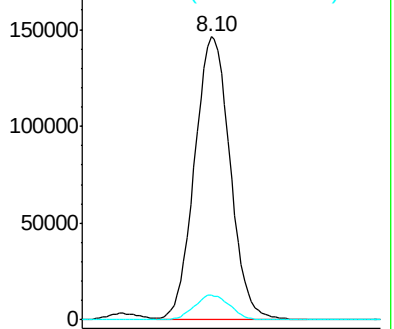
Tgt Ion: 62 Resp: 339985
Ion Ratio Lower Upper

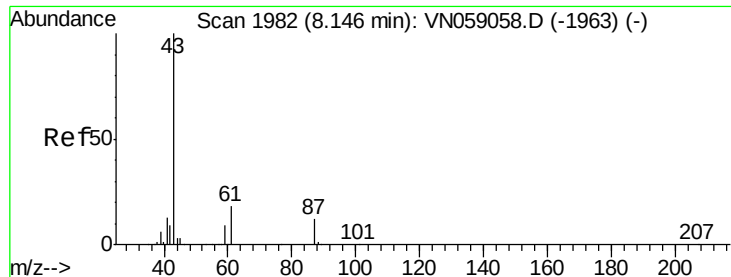
62 100

98 8.8 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





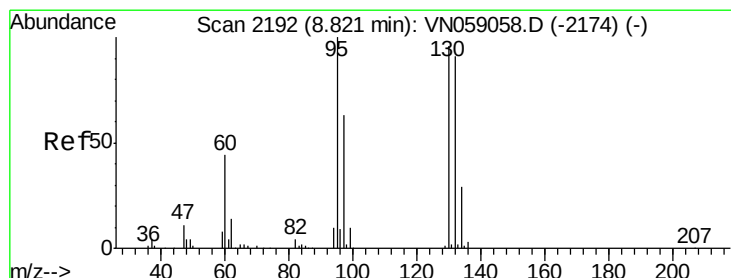
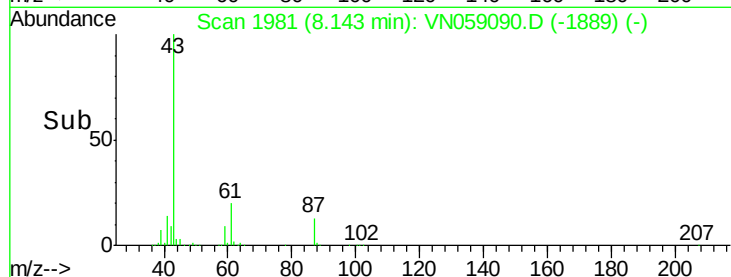
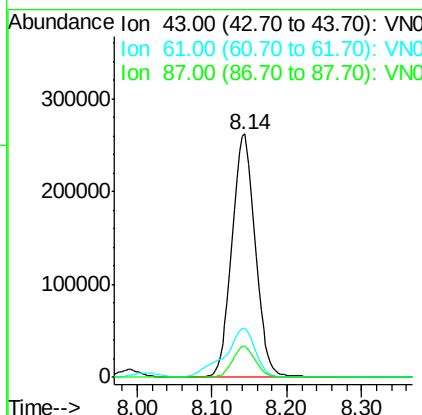
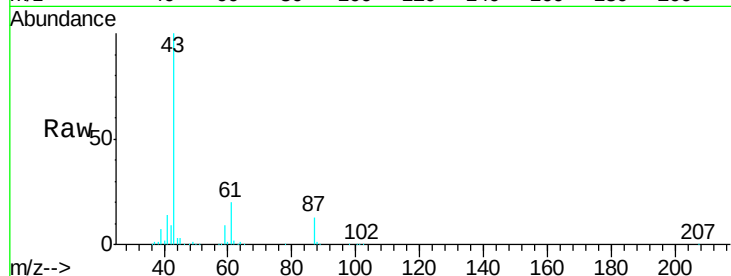
#43
Isopropyl Acetate
Concen: 42.599 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.8	20.5	30.7
87	12.5	9.8	14.8

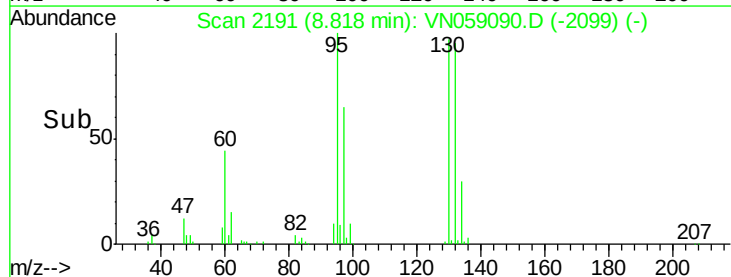
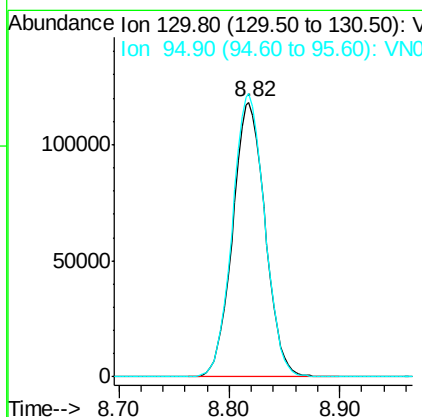
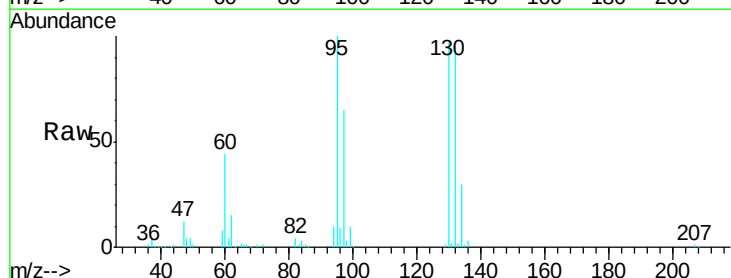
Manual Integrations
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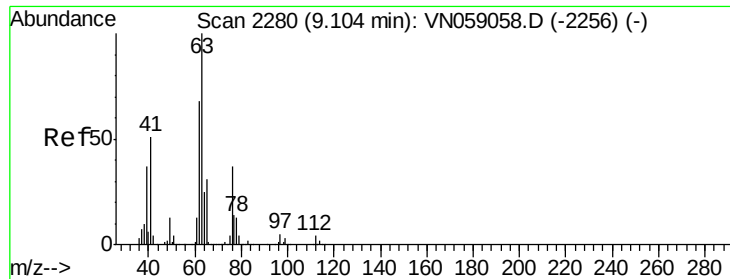
MMDadoda
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#44
Trichloroethene
Concen: 43.035 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	207.6





#45

1,2-Dichloropropane

Concen: 43.572 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 268457

Ion Ratio Lower Upper

63 100

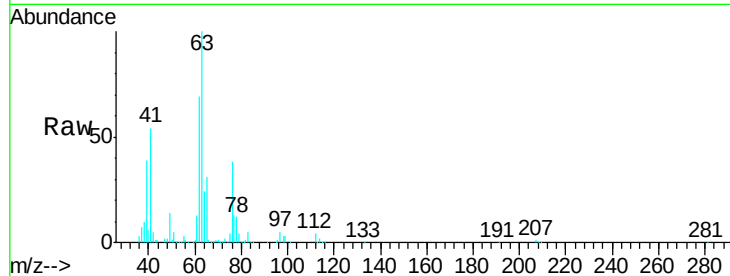
65 30.9 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN059058.D (-2256) (-)

9.10

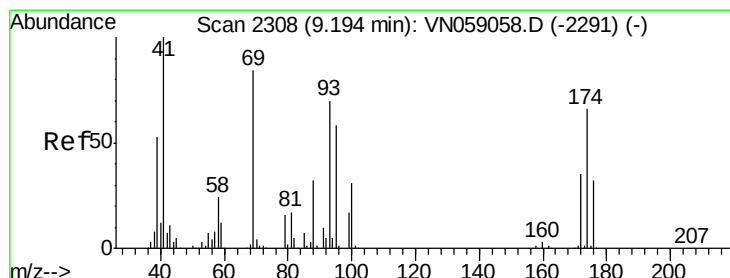
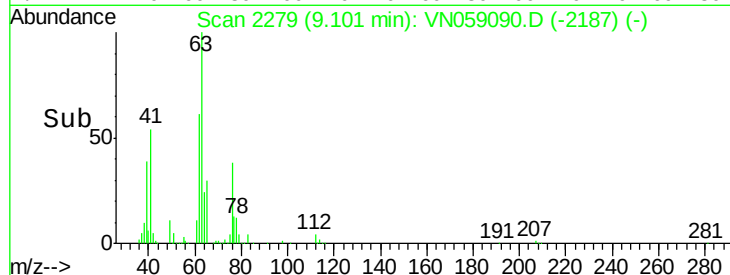
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 43.056 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

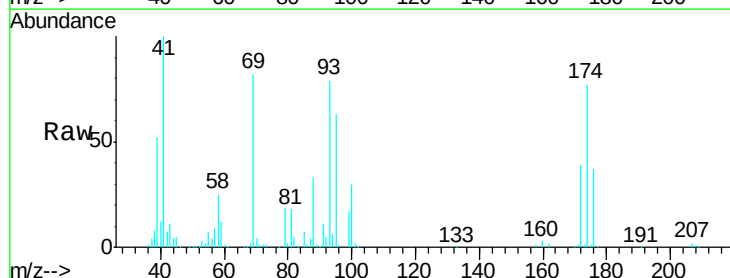
Tgt Ion: 93 Resp: 163955

Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

174 97.5 78.3 117.5



Abundance Ion 92.80 (92.50 to 93.50): VN059058.D (-2291) (-)

Ion 94.80 (94.50 to 95.50): VN059058.D (-2291) (-)

Ion 173.70 (173.40 to 174.40): VN059058.D (-2291) (-)

9.19

100000

80000

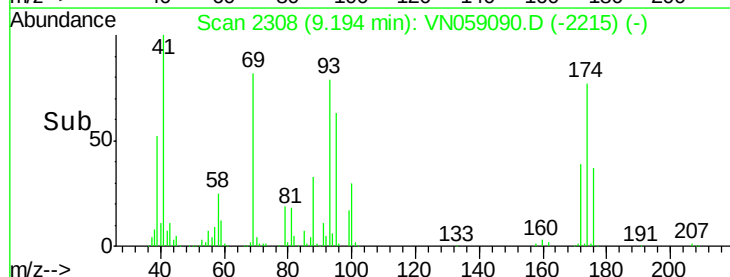
60000

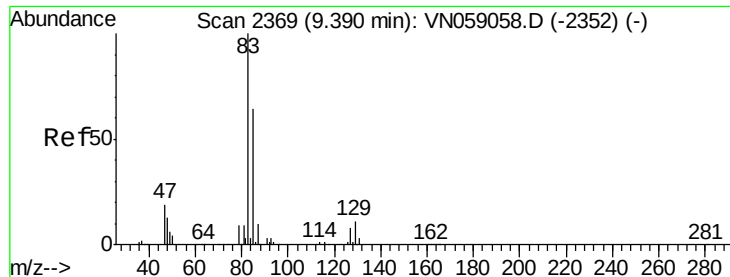
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 43.815 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

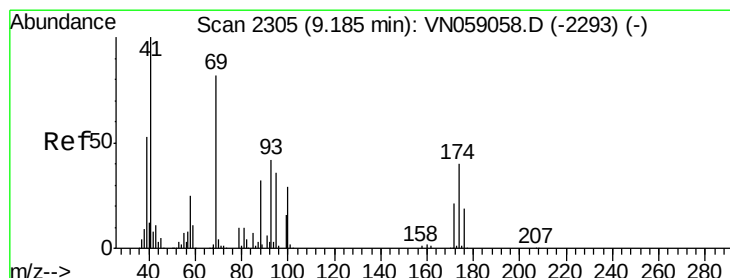
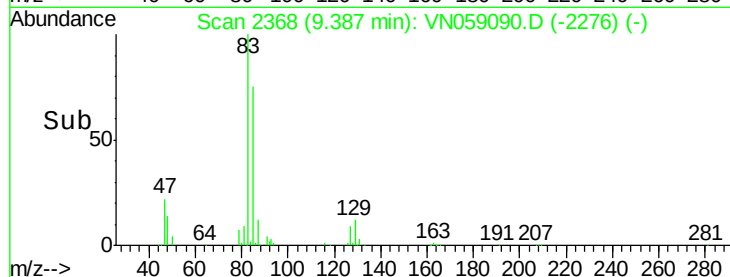
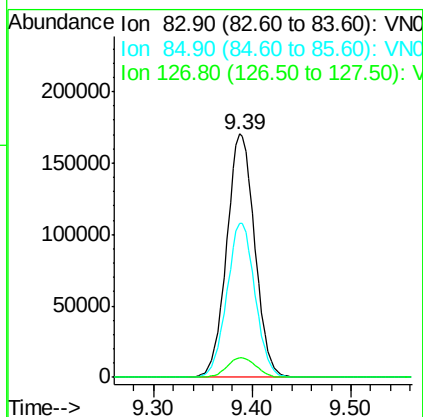
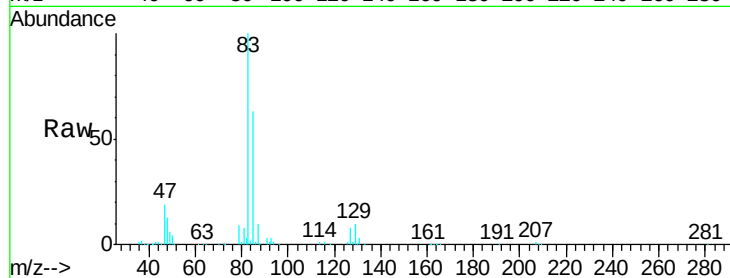
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	337899
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.2	76.8
127	8.0	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 43.179 ug/l

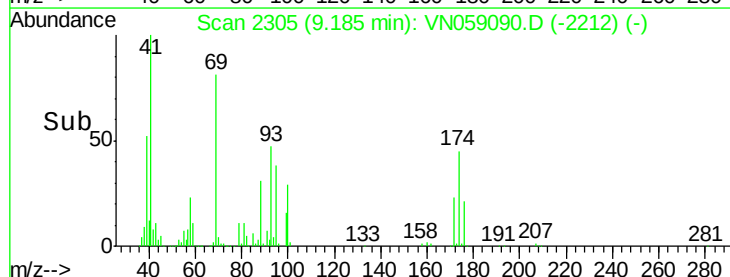
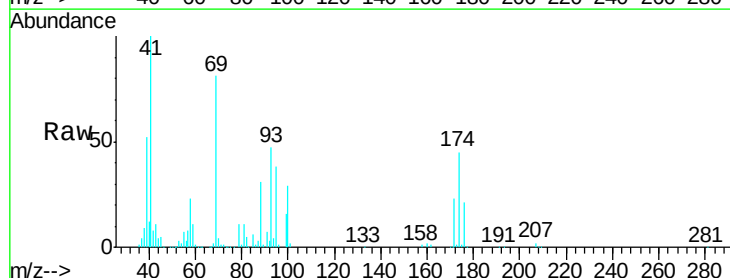
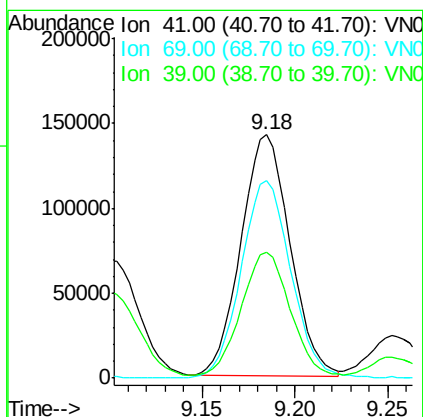
RT: 9.18 min Scan# 2305

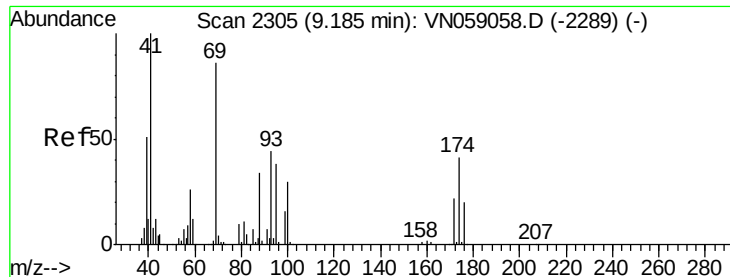
Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion:	41	Resp:	262608
Ion	Ratio	Lower	Upper
41	100		
69	83.4	67.1	100.7
39	52.9	43.3	64.9





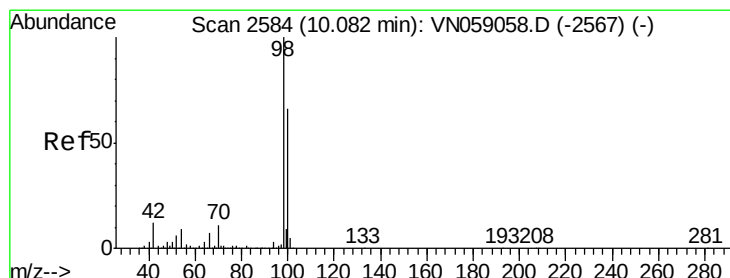
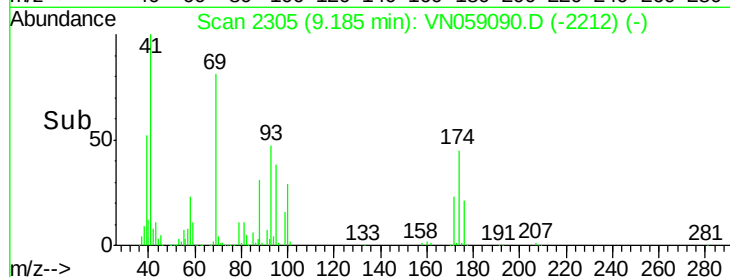
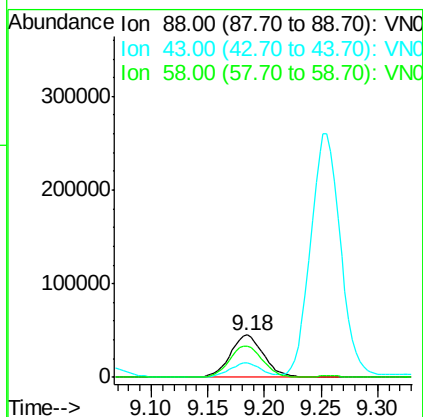
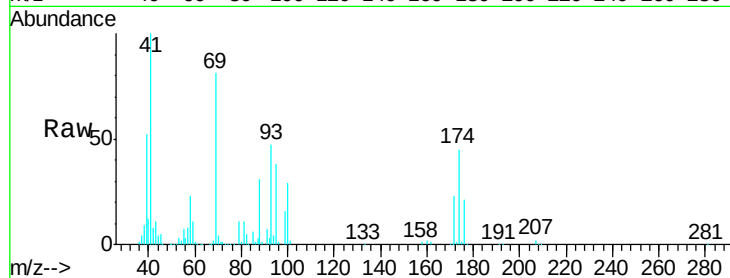
#49
1,4-Dioxane
Concen: 937.365 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.2	39.2
58	74.2	59.1	88.7

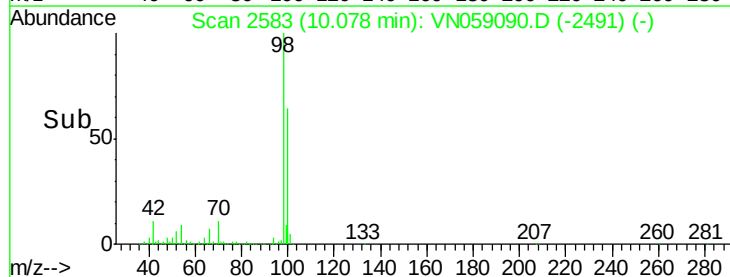
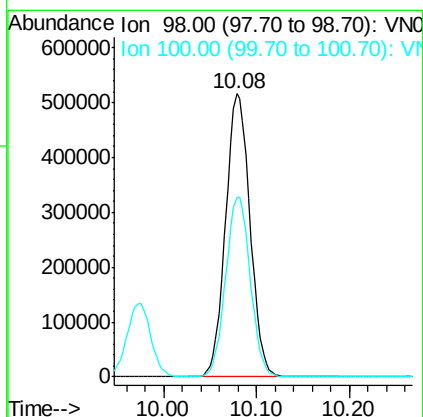
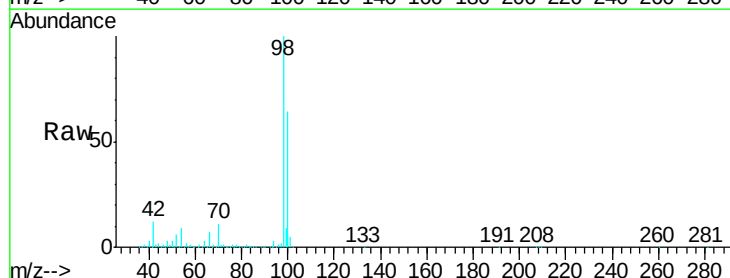
Manual Integrations
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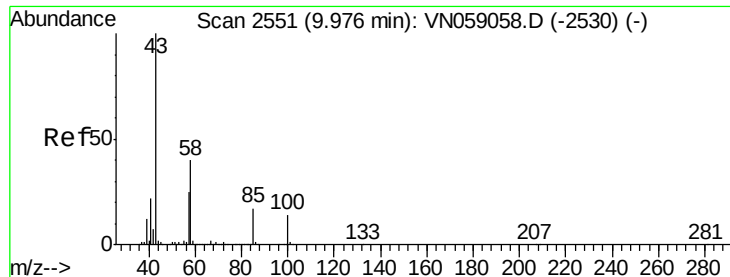
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#50
Toluene-d8
Concen: 48.517 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 228.819 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1773026

Ion Ratio Lower Upper

43 100

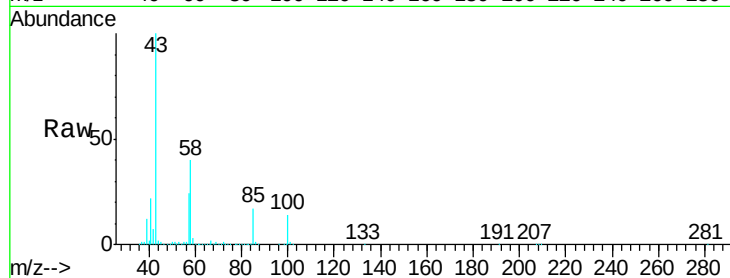
58 39.3 31.8 47.6

Manual Integrations

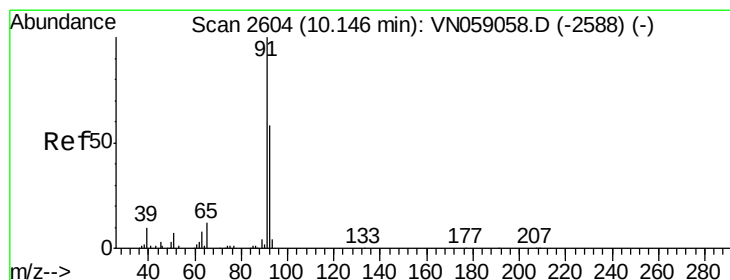
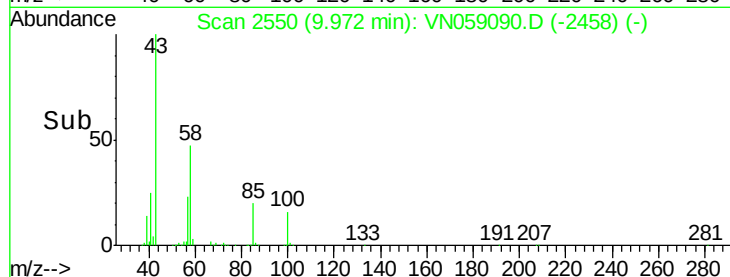
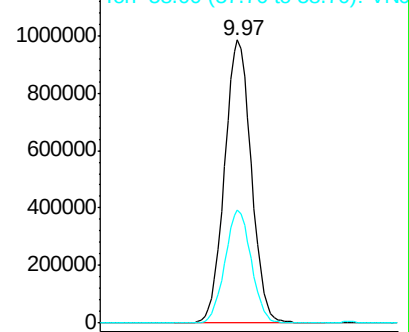
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Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-2530) (-)



#52

Toluene

Concen: 45.256 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059090.D

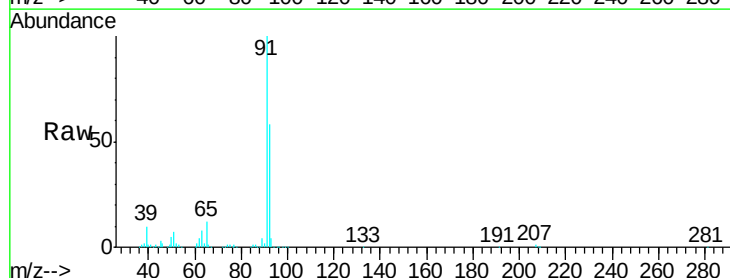
Acq: 5 Nov 2019 14:31

Tgt Ion: 92 Resp: 604123

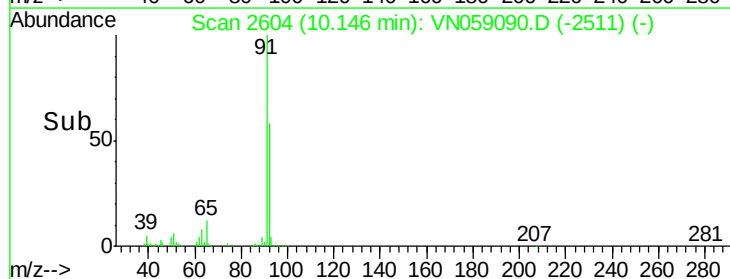
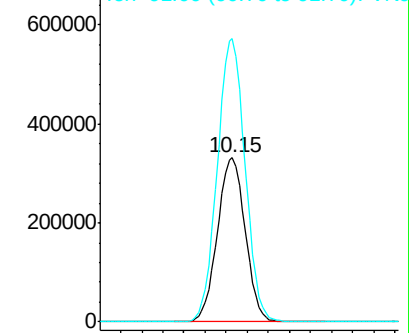
Ion Ratio Lower Upper

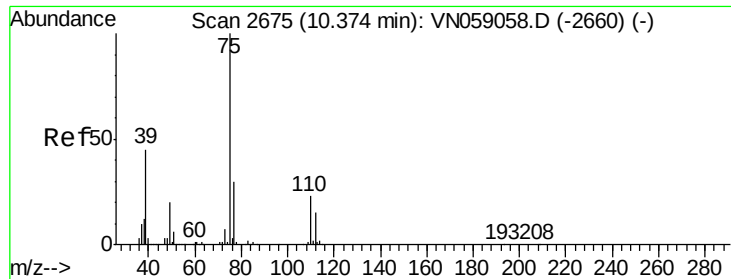
92 100

91 172.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN059058.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 43.333 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 386418

Ion Ratio Lower Upper

75 100

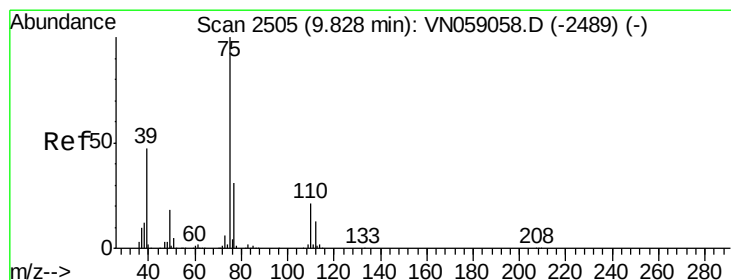
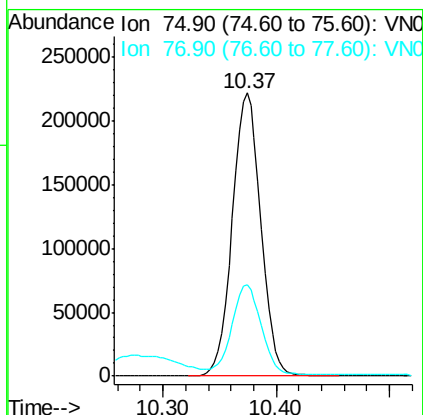
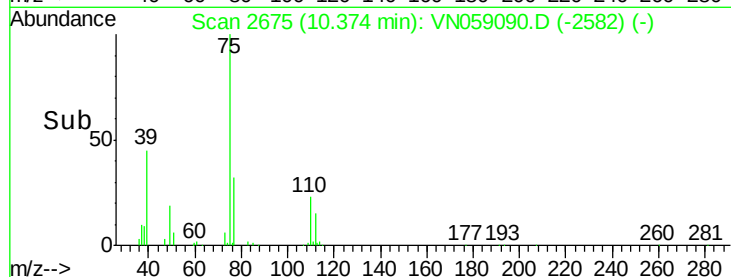
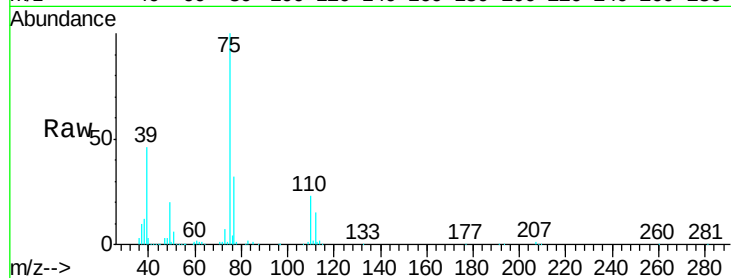
77 31.8 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.006 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

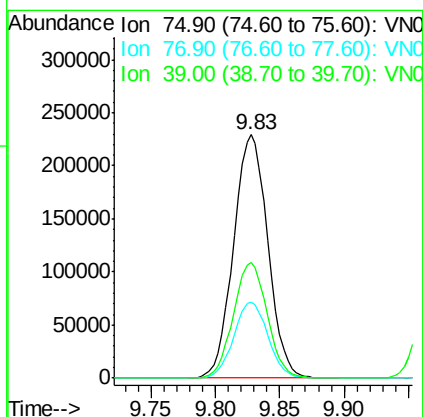
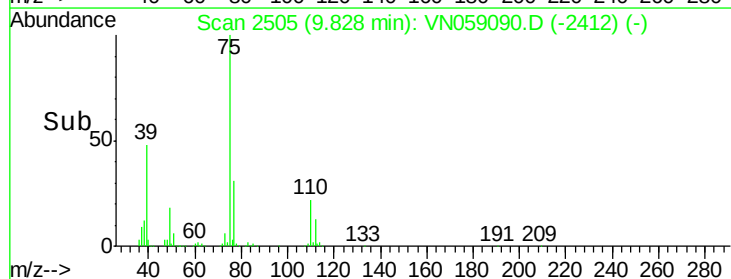
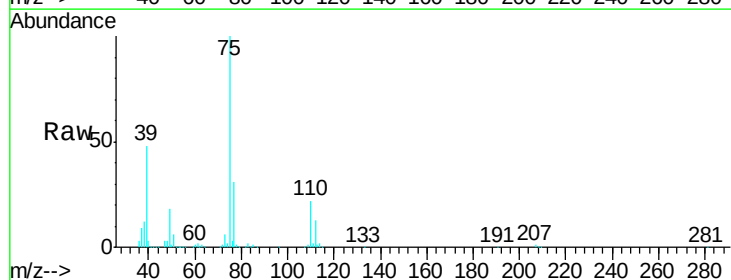
Tgt Ion: 75 Resp: 423323

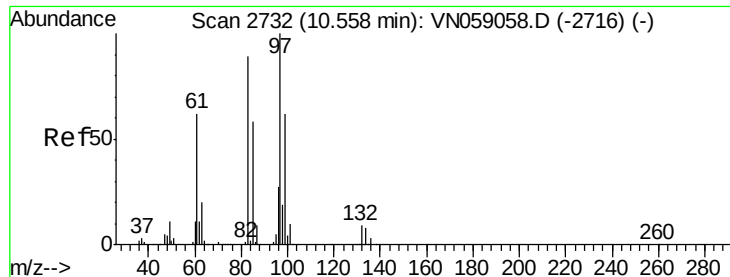
Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0

39 47.6 37.4 56.2





#55

1,1,2-Trichloroethane

Concen: 43.316 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 235543

Ion Ratio Lower Upper

97 100

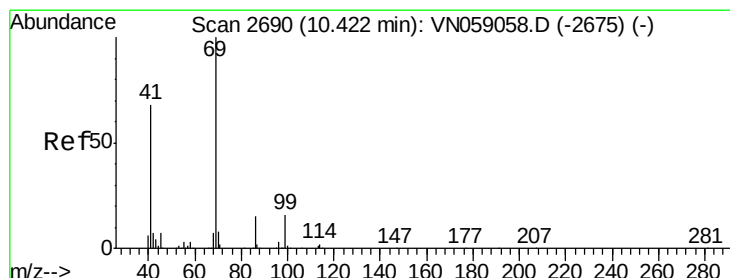
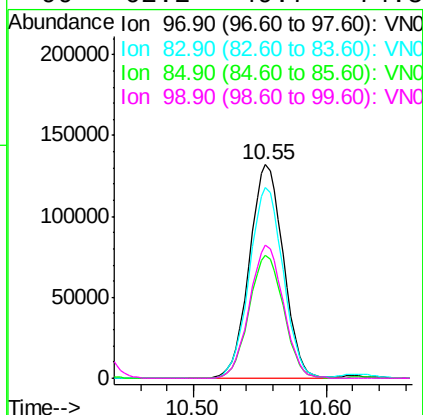
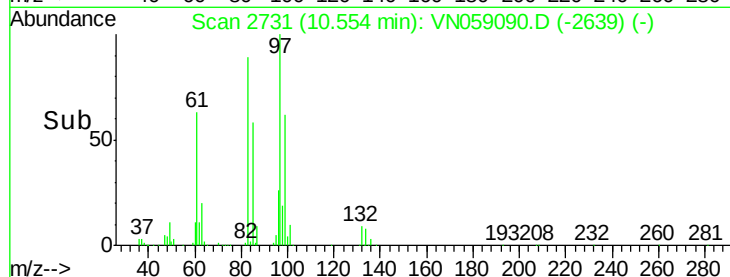
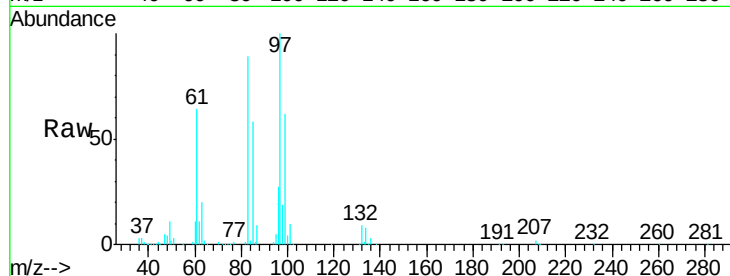
83 89.2 71.4 107.2

85 57.7 46.6 70.0

99 62.2 49.7 74.5

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#56

Ethyl methacrylate

Concen: 41.024 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

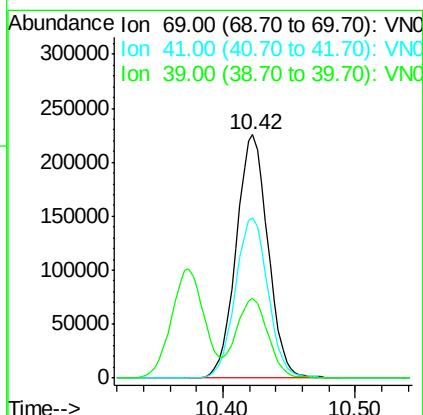
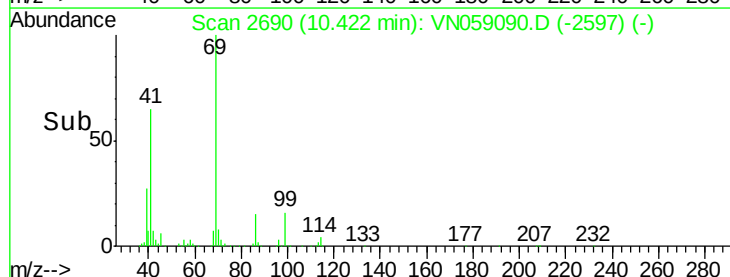
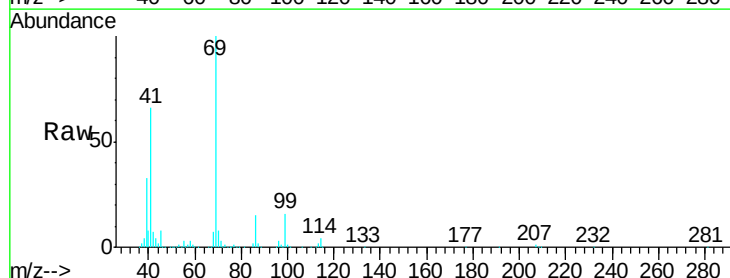
Tgt Ion: 69 Resp: 375260

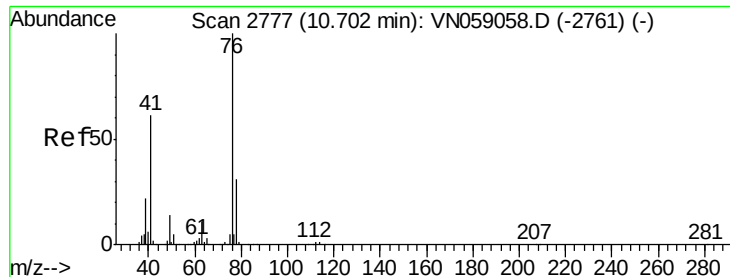
Ion Ratio Lower Upper

69 100

41 66.8 53.8 80.8

39 32.5 26.2 39.2





#57

1,3-Dichloropropane

Concen: 43.895 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 415114

Ion Ratio Lower Upper

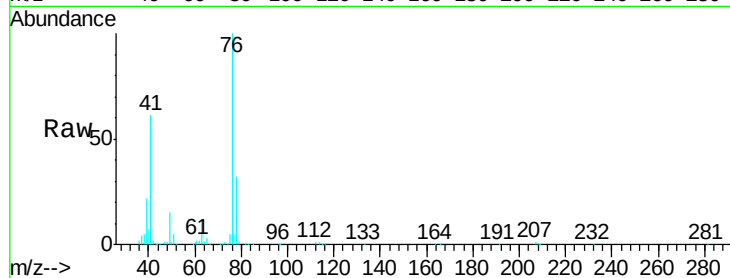
76 100

78 32.1 25.8 38.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

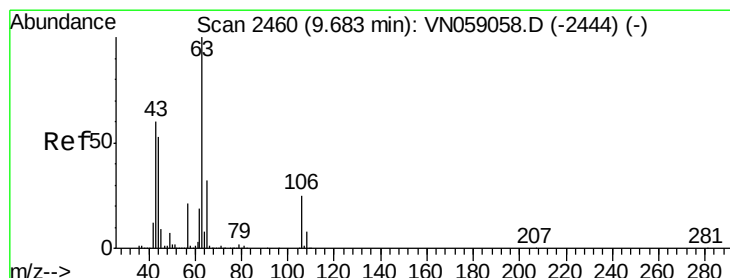
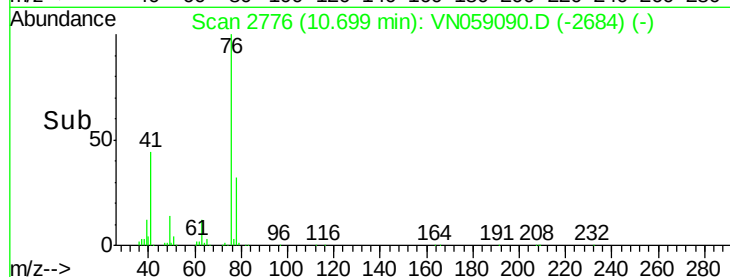
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 138.520 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059090.D

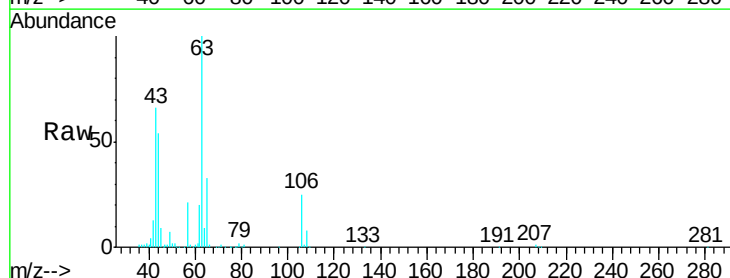
Acq: 5 Nov 2019 14:31

Tgt Ion: 63 Resp: 476618

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

300000

250000

200000

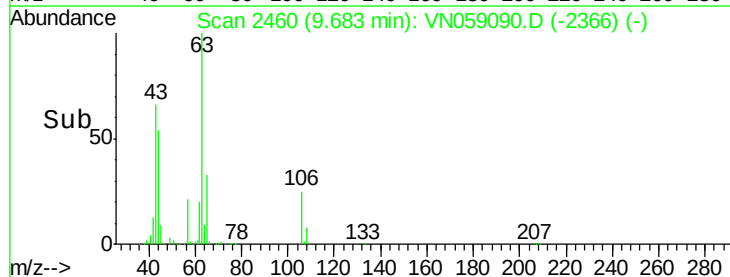
150000

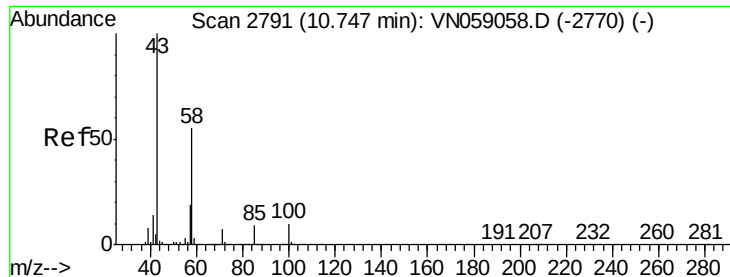
100000

50000

0

Time-->





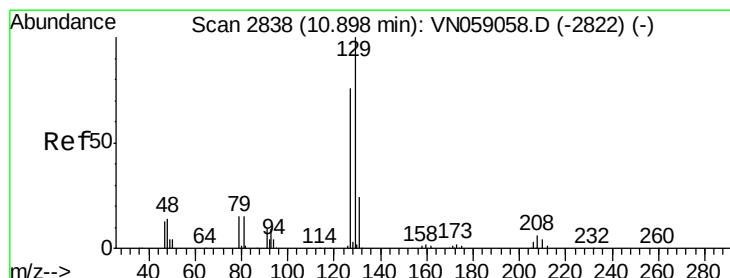
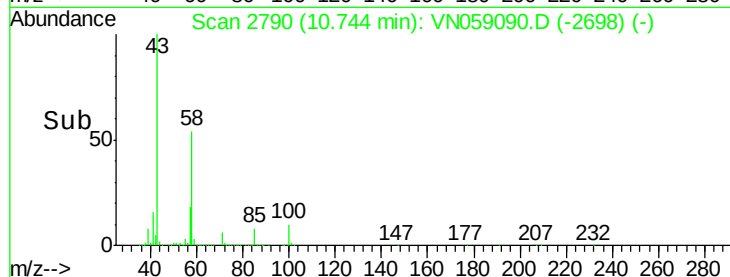
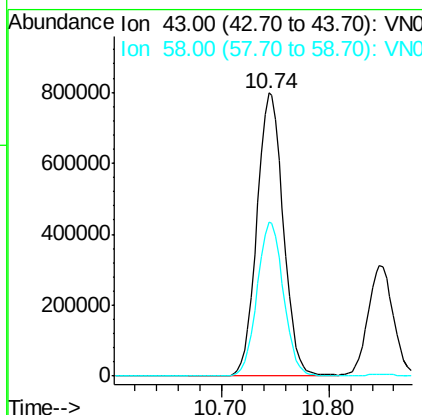
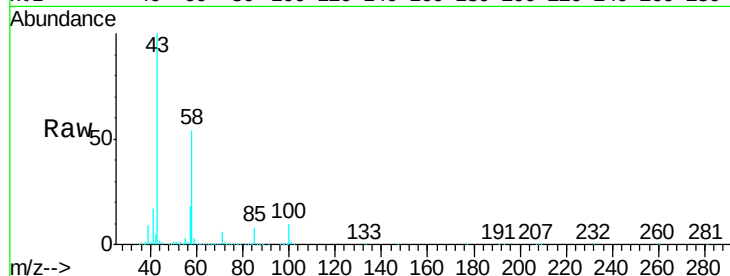
#59
2-Hexanone
Concen: 229.422 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1350518
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.2

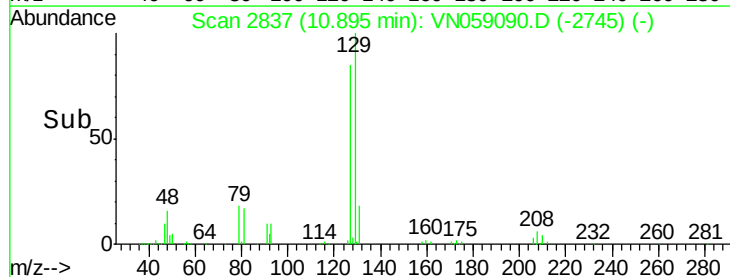
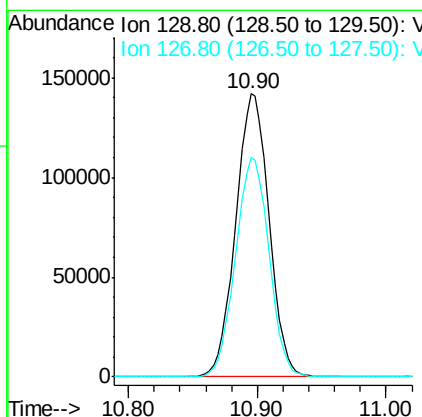
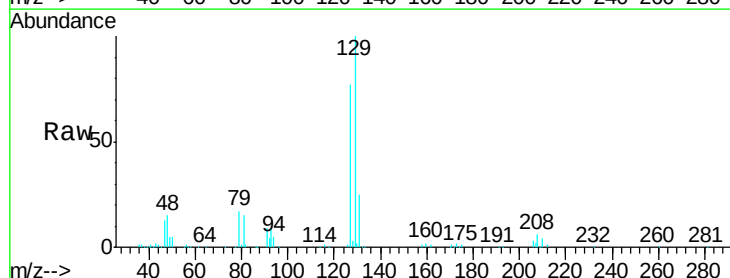
Manual Integrations
APPROVED

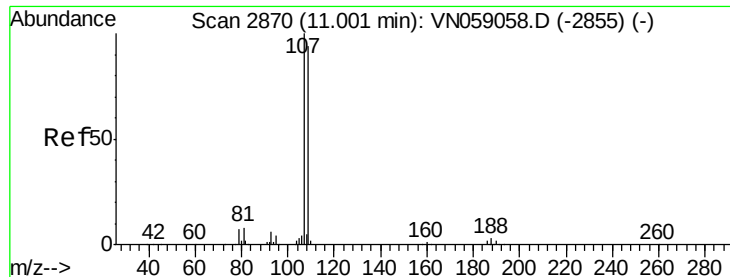
MMDadoda
11/6/2019 1:56:29 PM



#60
Dibromochloromethane
Concen: 43.501 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion: 129 Resp: 254928
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.8





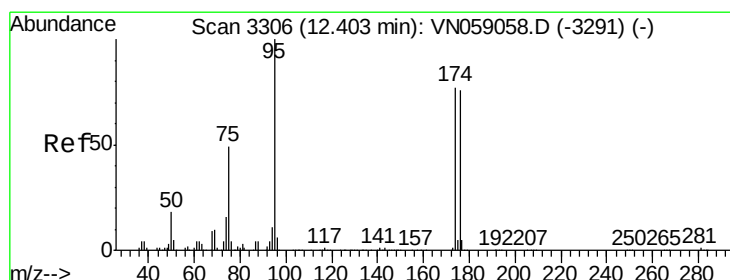
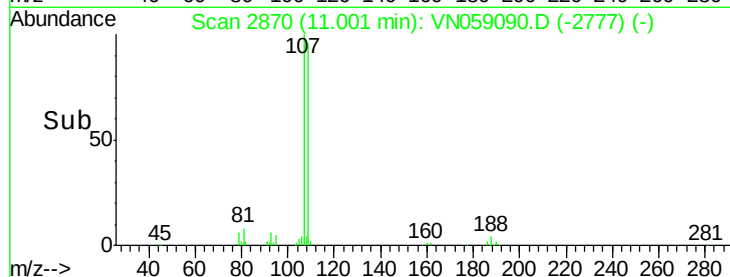
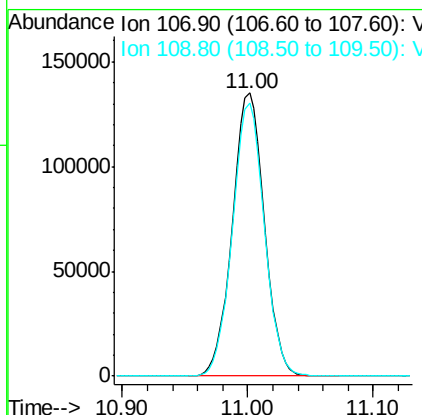
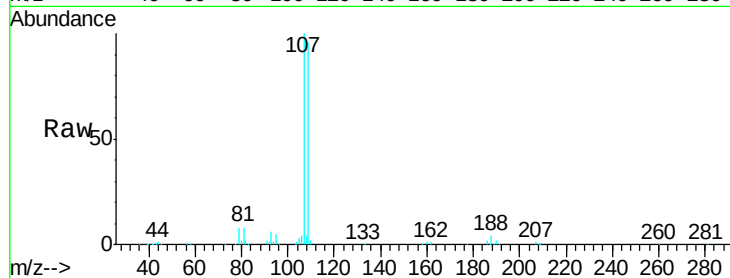
#61
 1,2-Dibromoethane
 Concen: 43.373 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	238930		
109	96.4	75.5	113.3	

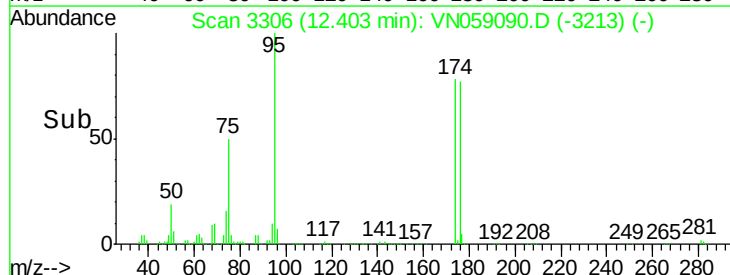
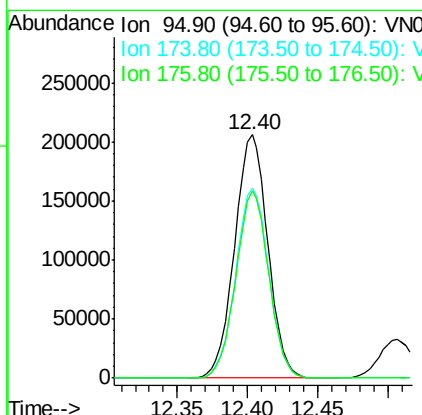
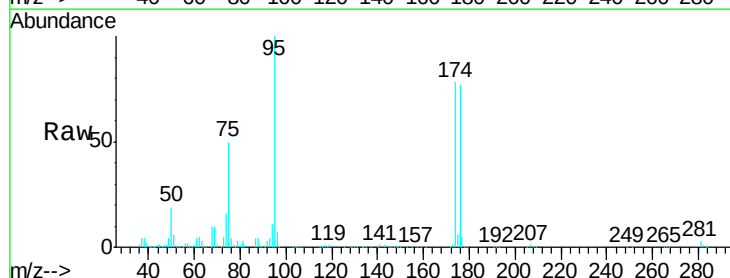
Manual Integrations
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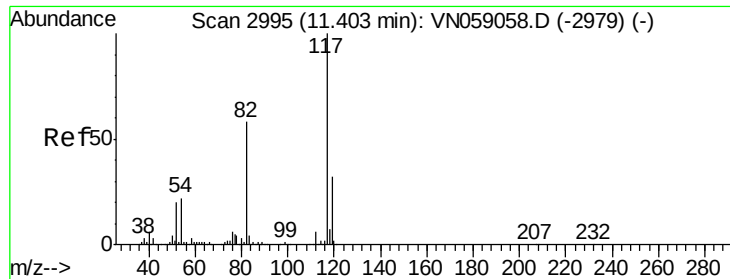
MMDadoda
 11/6/2019 1:56:29 PM



#62
 4-Bromofluorobenzene
 Concen: 48.765 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	340070		
174	77.8	0.0	155.8	
176	76.0	0.0	151.6	





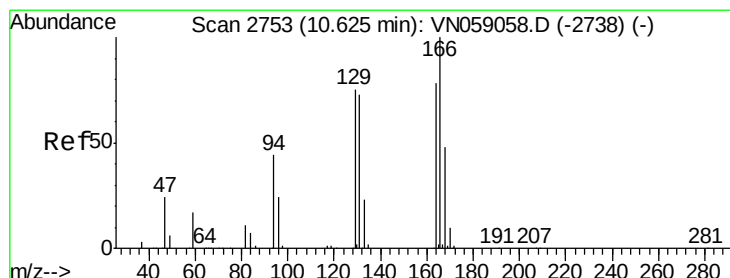
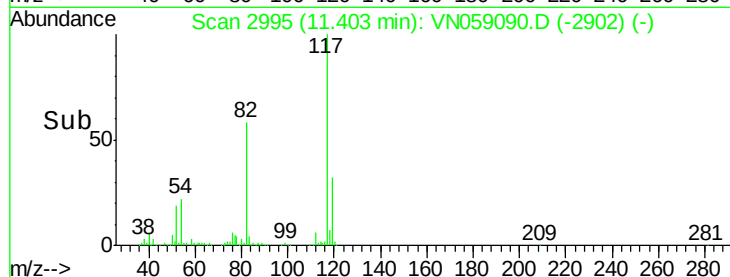
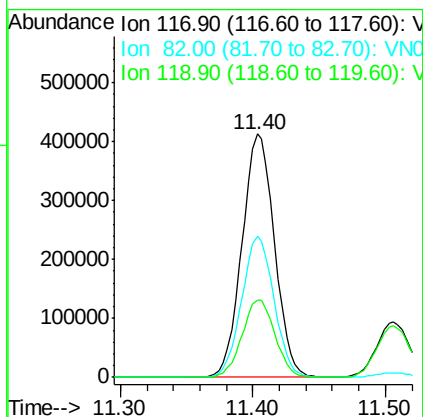
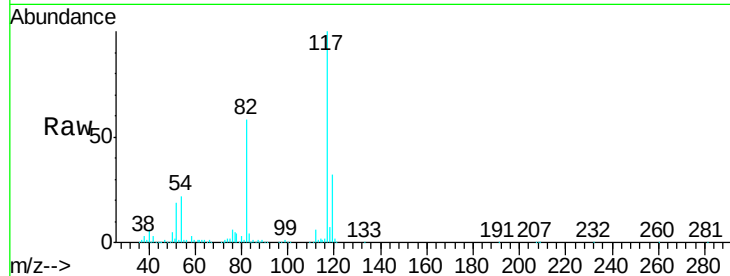
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	702294		
82	57.8	46.0	69.0	
119	32.0	25.6	38.4	

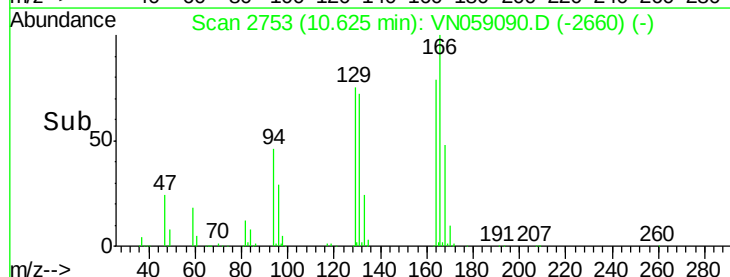
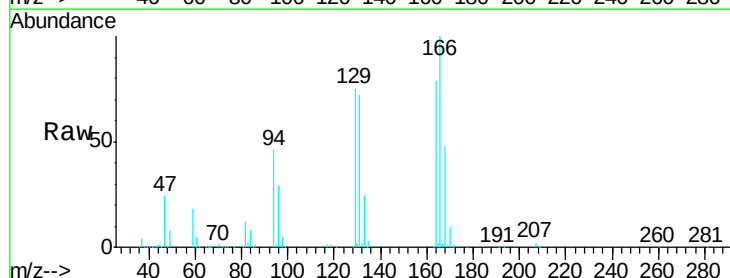
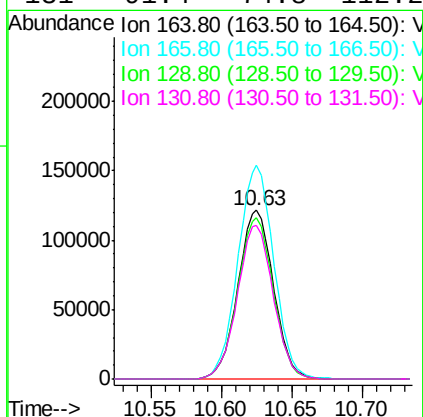
Manual Integrations
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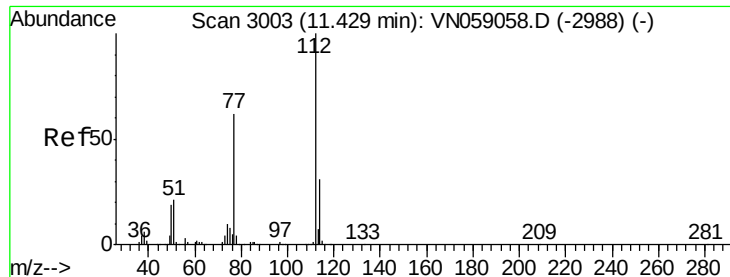
MMDadoda
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#64
Tetrachloroethene
Concen: 43.885 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	215291		
166	126.7	102.7	154.1	
129	95.7	77.3	115.9	
131	91.4	74.8	112.2	





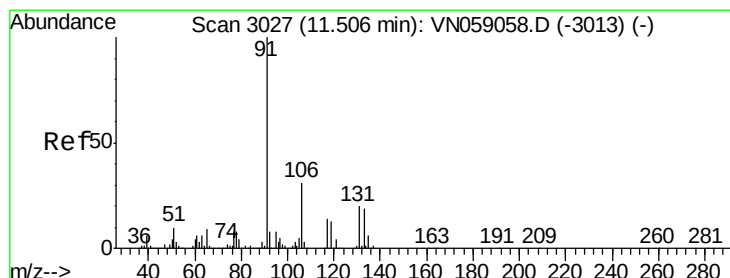
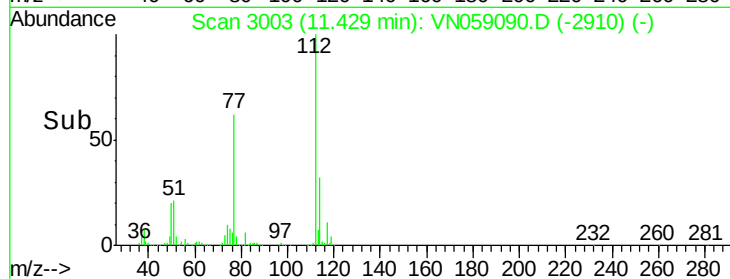
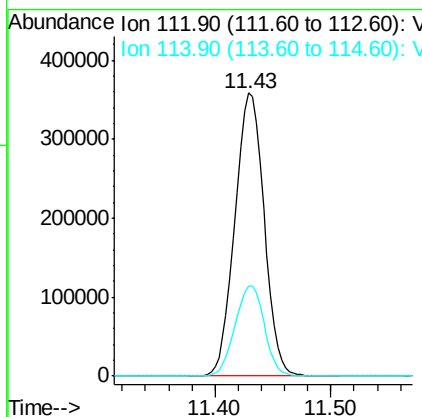
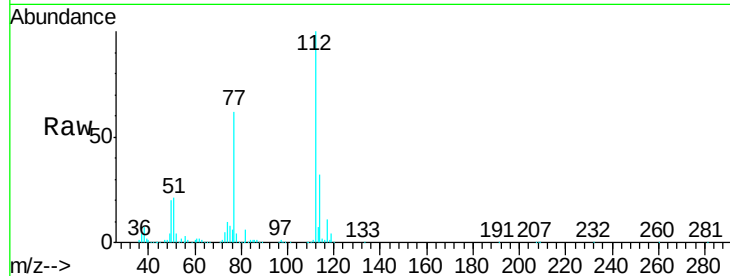
#65
Chlorobenzene
Concen: 43.421 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 625871
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.6

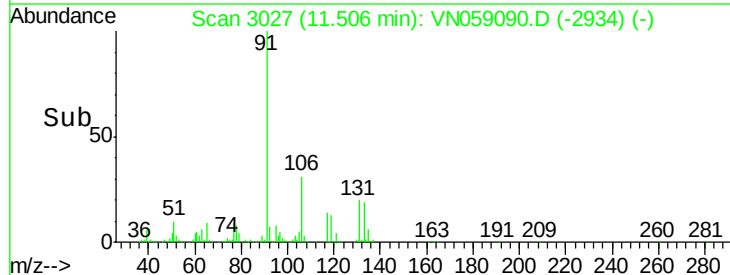
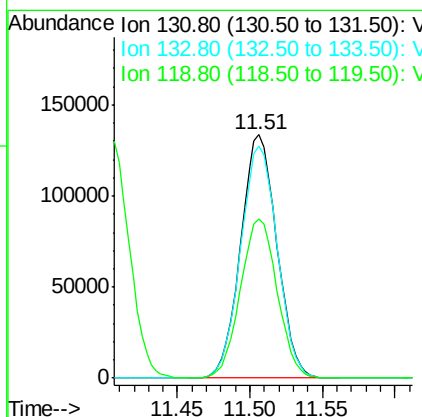
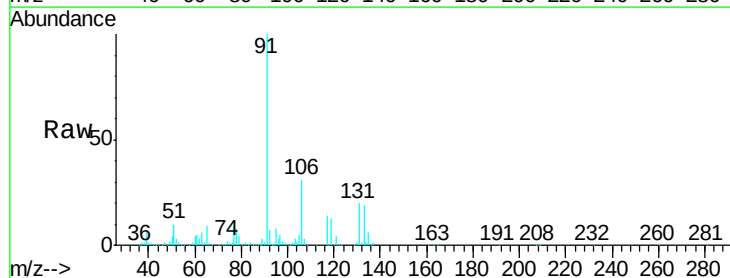
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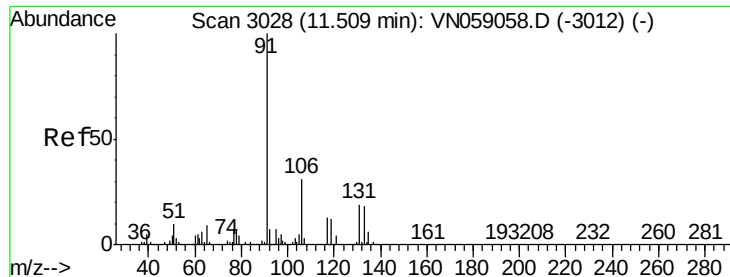
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 43.779 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion:131 Resp: 232165
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.6
119 66.5 33.5 100.5





#67

Ethyl Benzene

Concen: 46.137 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1151205

Ion Ratio Lower Upper

91 100

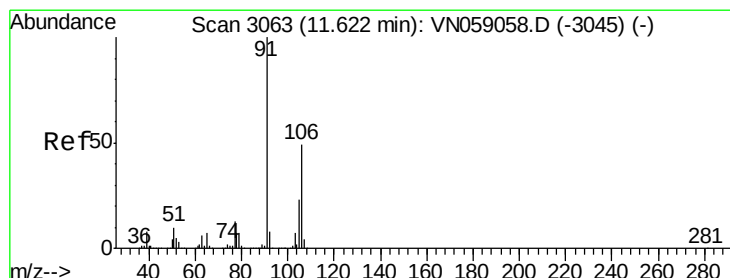
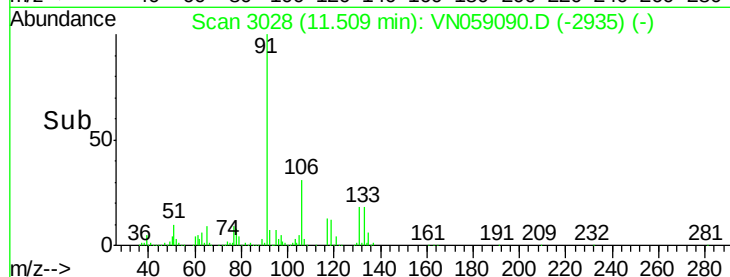
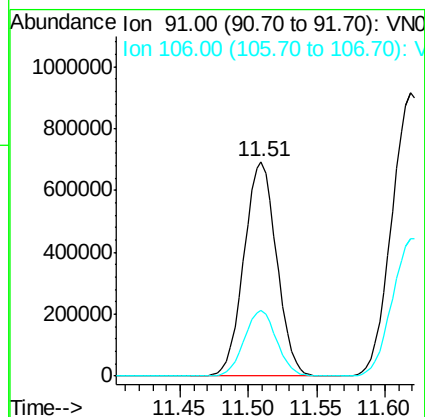
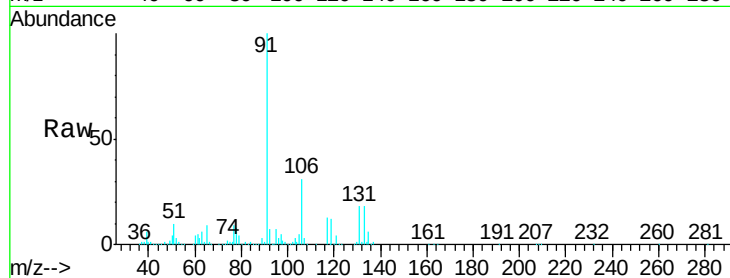
106 30.5 24.6 36.8

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 92.005 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059090.D

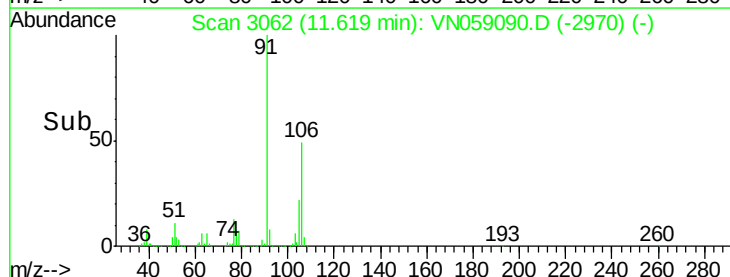
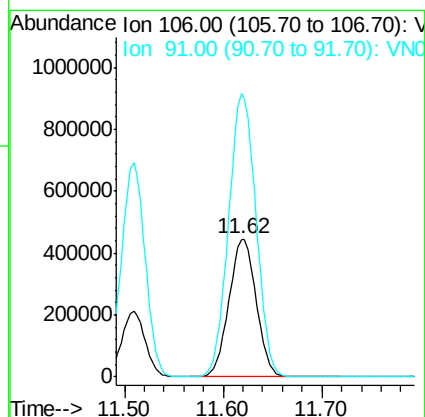
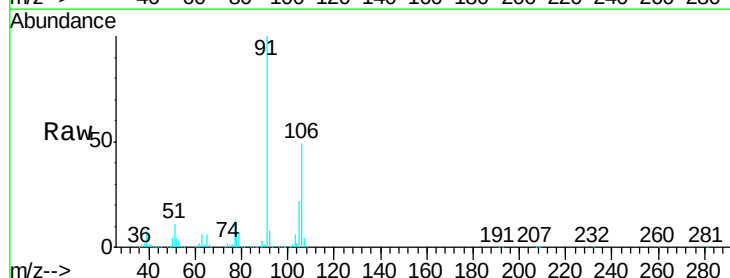
Acq: 5 Nov 2019 14:31

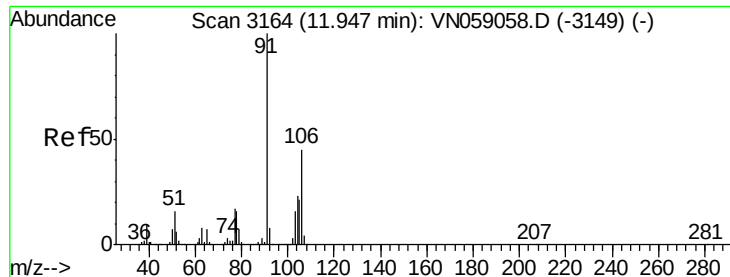
Tgt Ion: 106 Resp: 857241

Ion Ratio Lower Upper

106 100

91 207.5 165.7 248.5





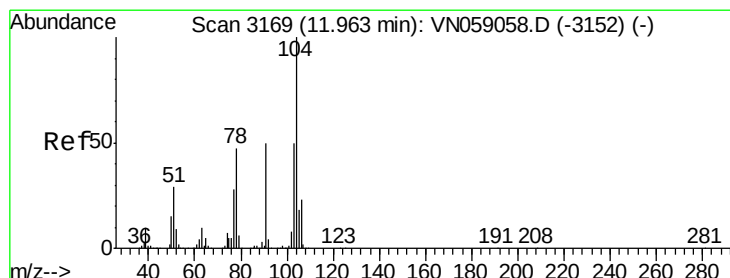
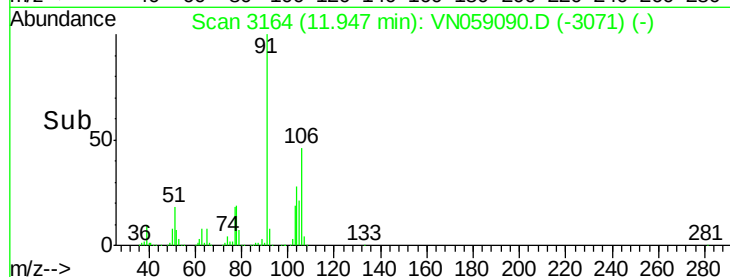
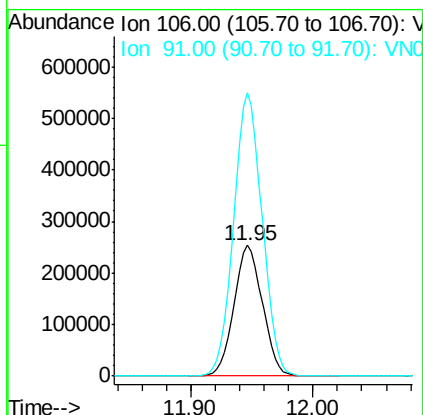
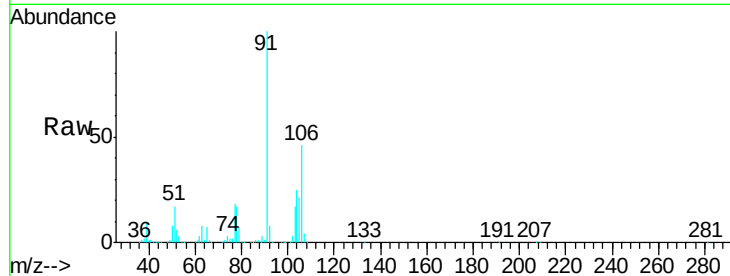
#69
o-Xylene
Concen: 46.026 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 409499
Ion Ratio Lower Upper
106 100
91 218.0 110.4 331.2

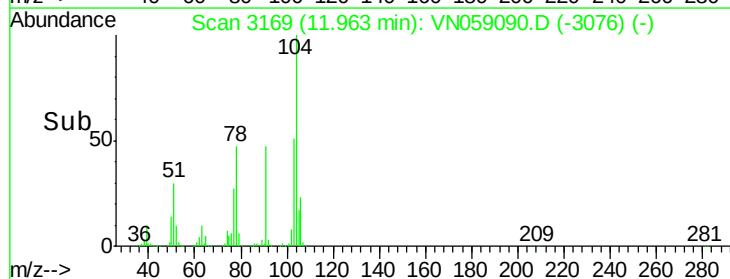
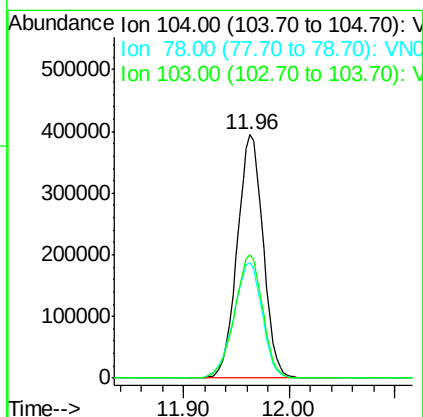
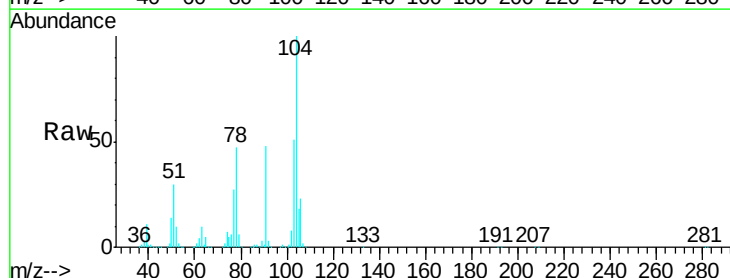
Manual Integrations
APPROVED

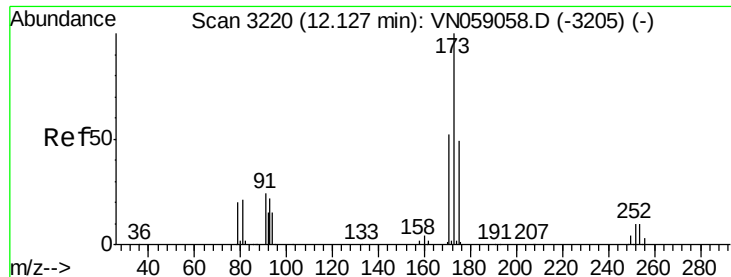
MMDadoda
11/6/2019 1:56:29 PM



#70
Styrene
Concen: 46.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion:104 Resp: 672276
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 54.7 43.9 65.9





#71

Bromoform

Concen: 45.095 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

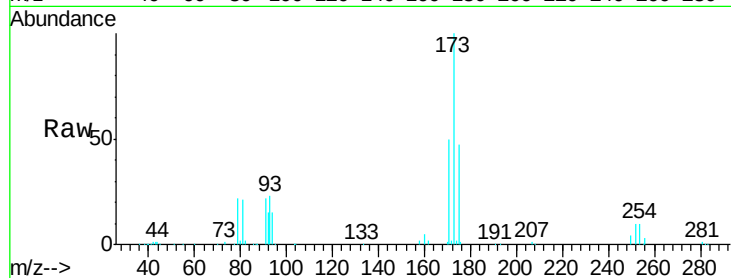
ClientSampleId :

VSTDCCC050EC

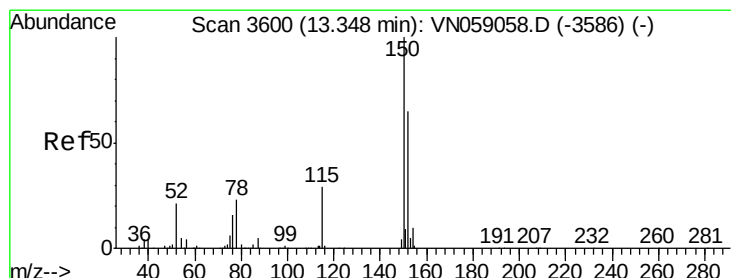
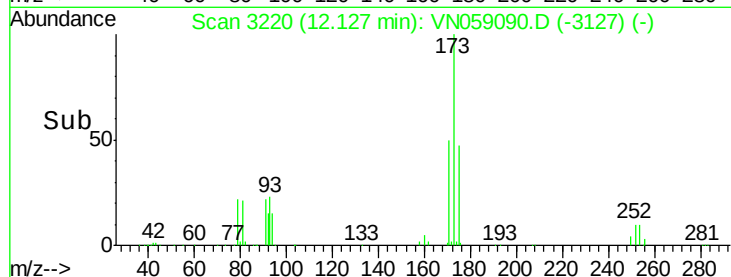
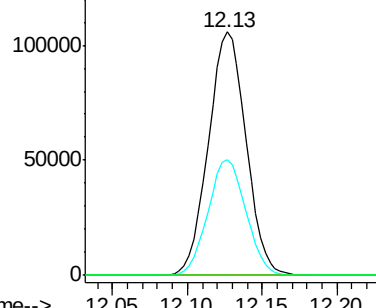
Tgt Ion:	173	Resp:	185104
Ion Ratio		Lower	Upper
173	100		
175	47.9	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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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

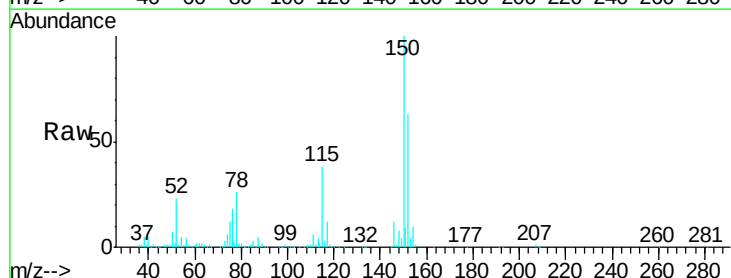
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

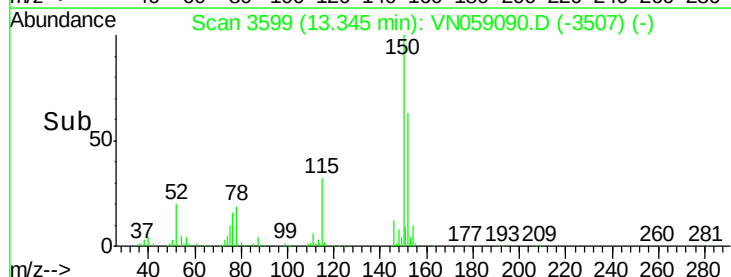
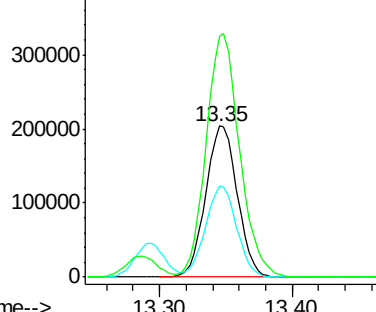
Lab File: VN059090.D

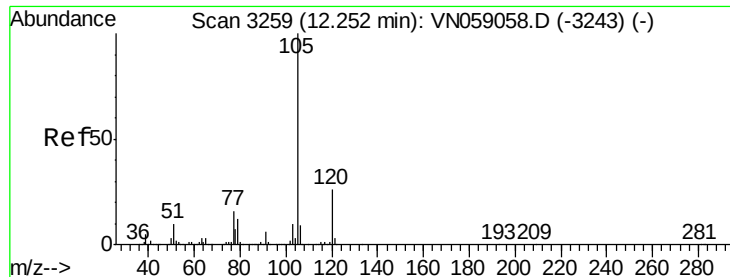
Acq: 5 Nov 2019 14:31

Tgt Ion:	152	Resp:	336447
Ion Ratio		Lower	Upper
152	100		
115	59.5	29.6	88.9
150	170.9	0.0	345.8



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: 44.675 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 1105768

Ion Ratio Lower Upper

105 100

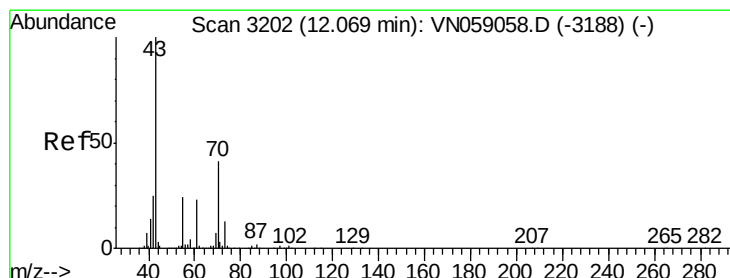
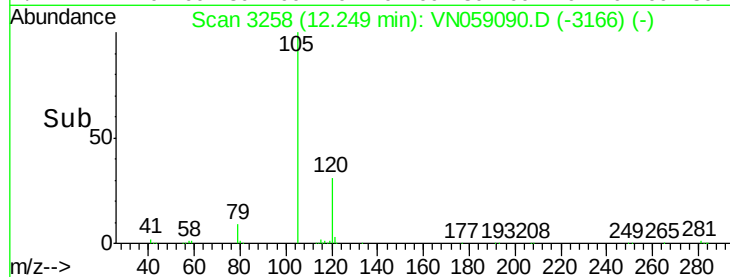
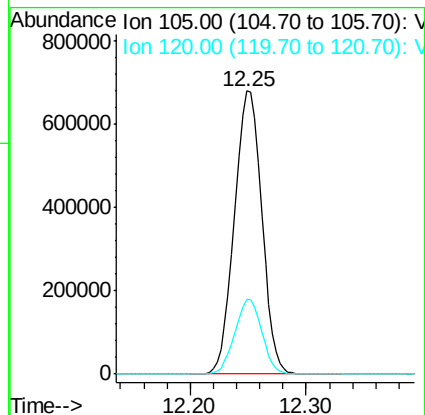
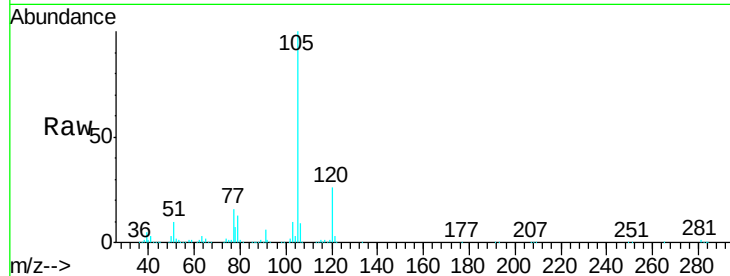
120 26.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 43.775 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion: 43 Resp: 481982

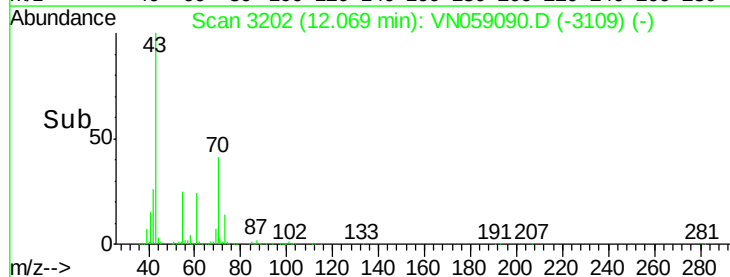
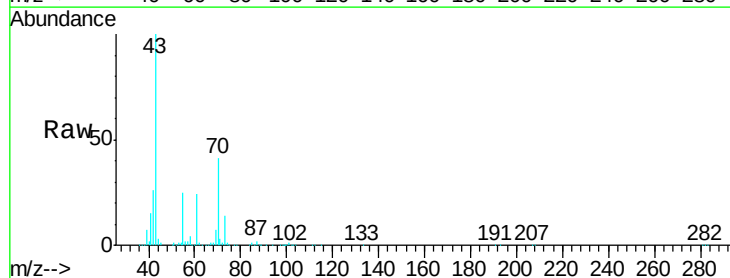
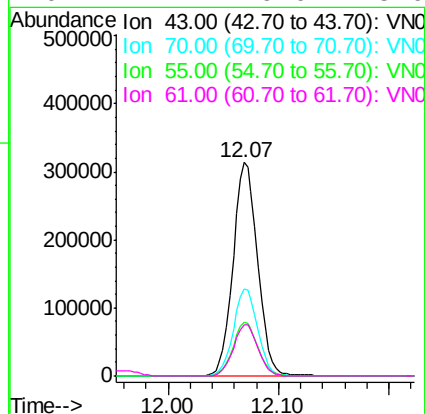
Ion Ratio Lower Upper

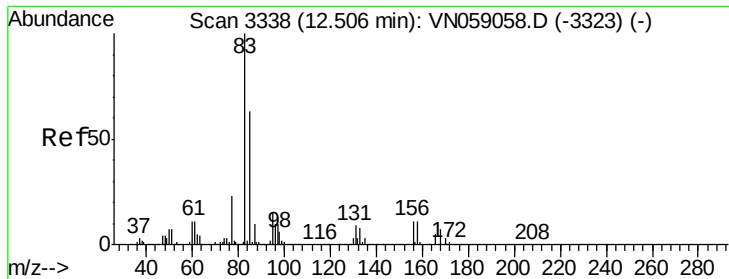
43 100

70 40.3 32.6 49.0

55 25.7 19.7 29.5

61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 40.685 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 358714
Ion Ratio Lower Upper

83 100

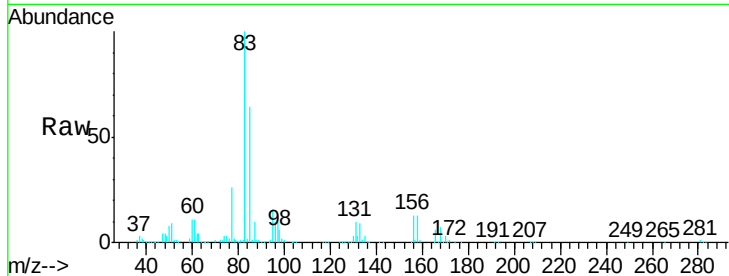
131 9.8 4.9 14.7

85 64.7 31.9 95.9

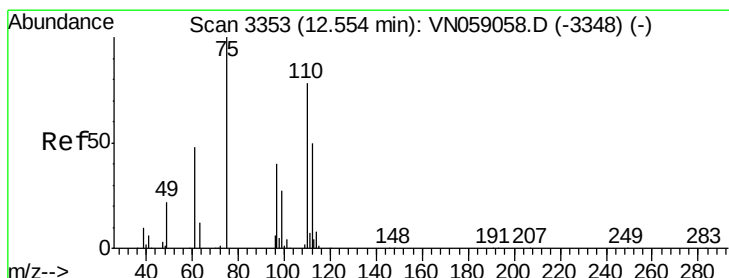
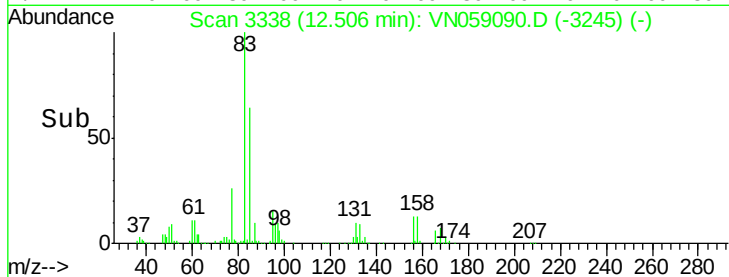
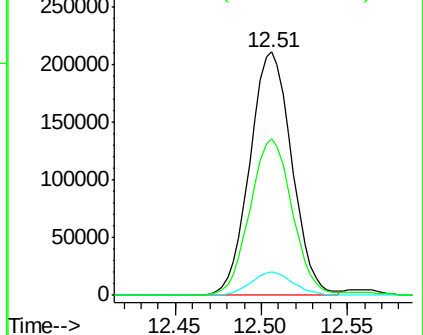
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 41.404 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

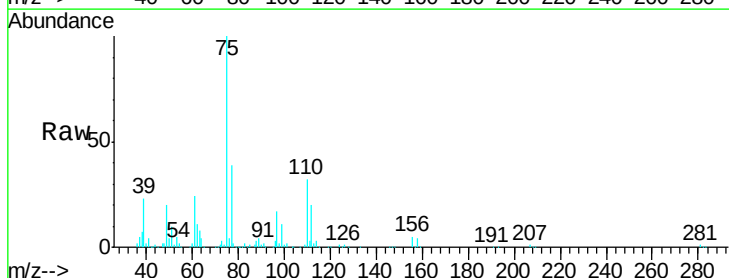
Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

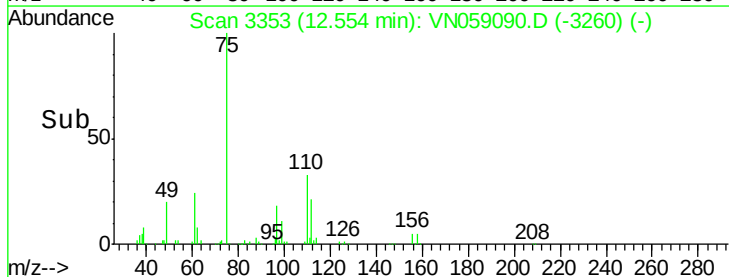
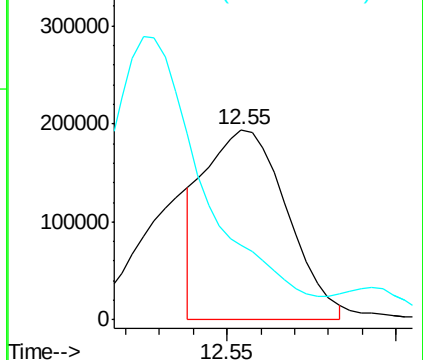
Tgt Ion: 75 Resp: 329648
Ion Ratio Lower Upper

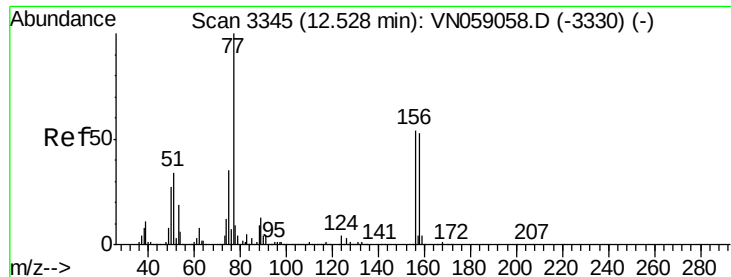
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 43.295 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

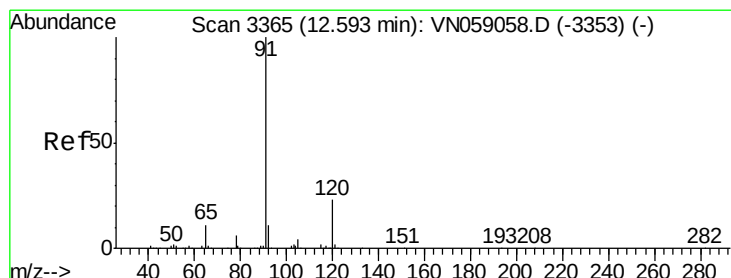
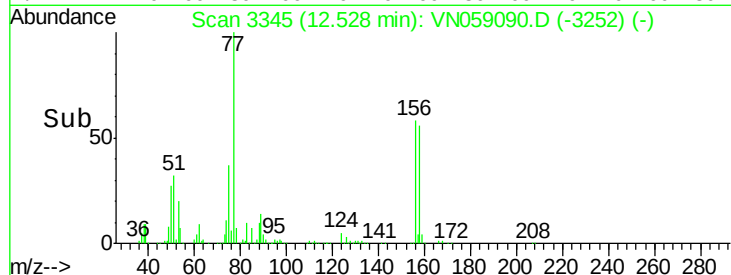
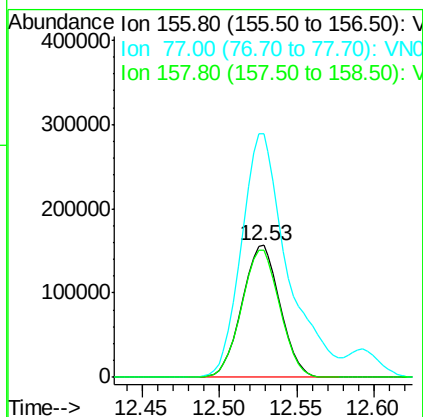
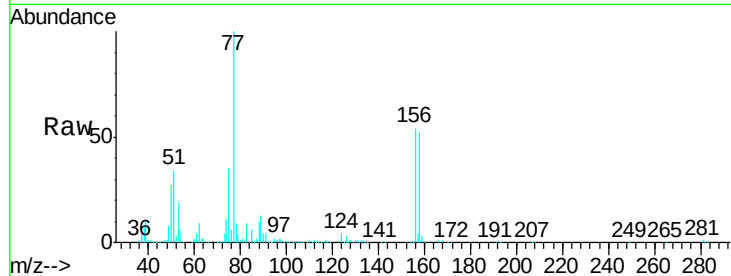
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	267949
Ion Ratio	Lower	Upper	
156	100		
77	223.0	114.2	342.6
158	97.0	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 45.443 ug/l

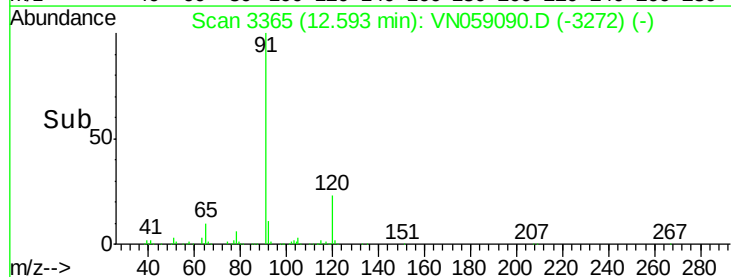
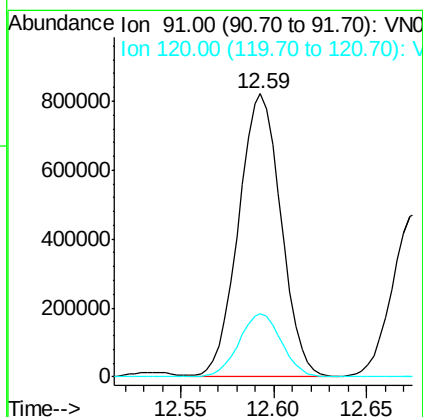
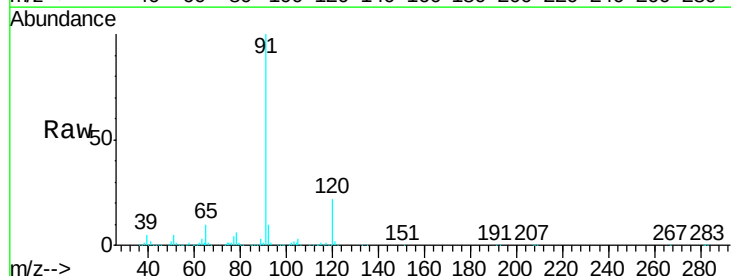
RT: 12.59 min Scan# 3365

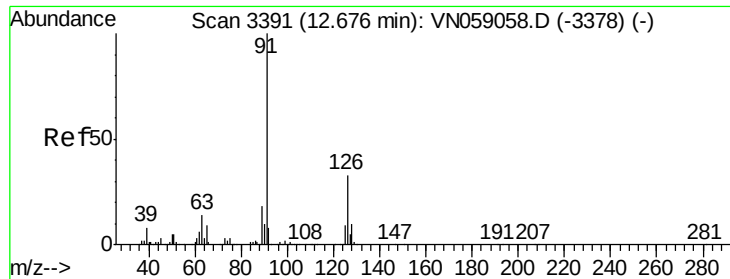
Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion:	91	Resp:	1302716
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 43.427 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 773008

Ion Ratio Lower Upper

91 100

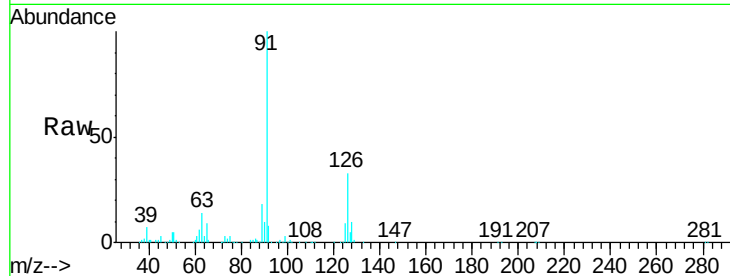
126 32.8 16.3 48.8

Manual Integrations

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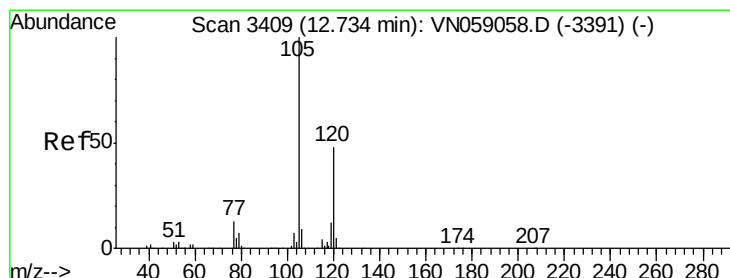
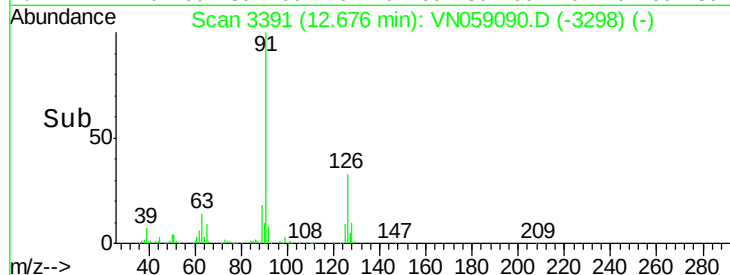
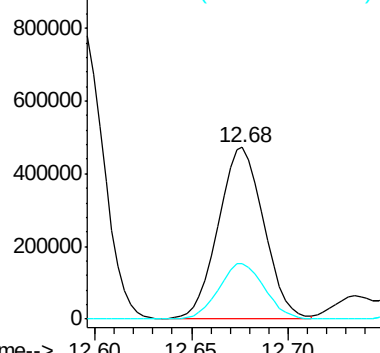
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 44.585 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059090.D

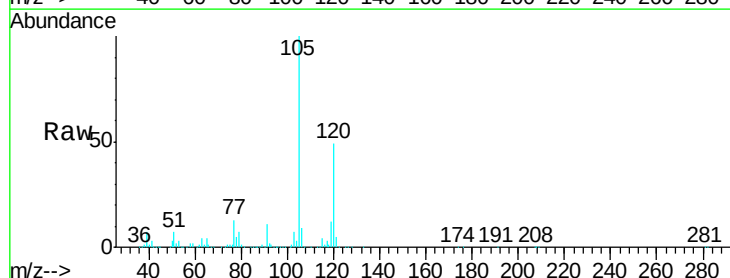
Acq: 5 Nov 2019 14:31

Tgt Ion: 105 Resp: 937904

Ion Ratio Lower Upper

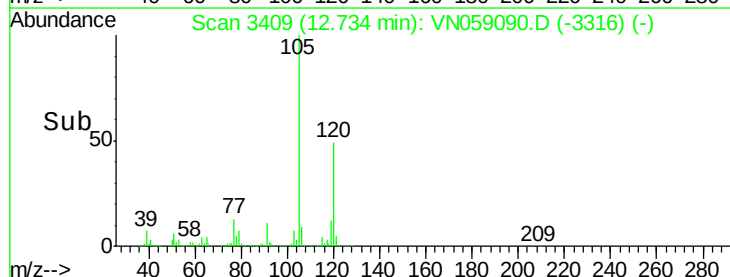
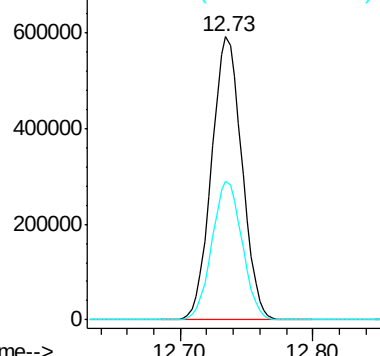
105 100

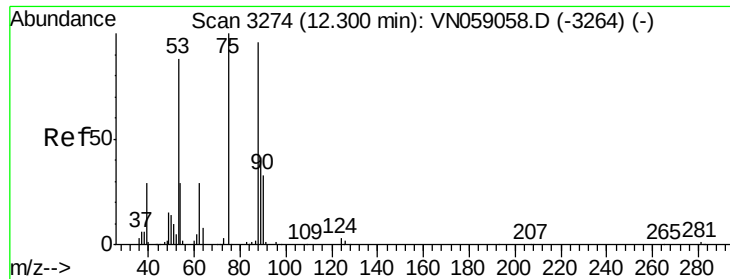
120 48.9 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.353 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

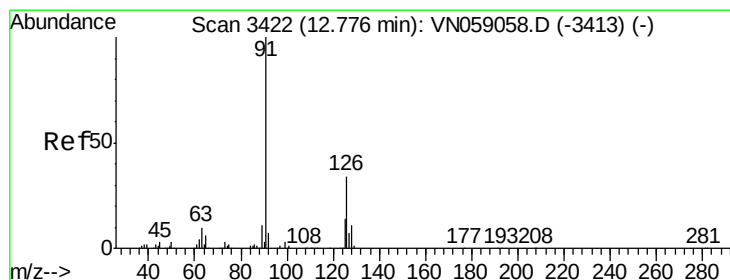
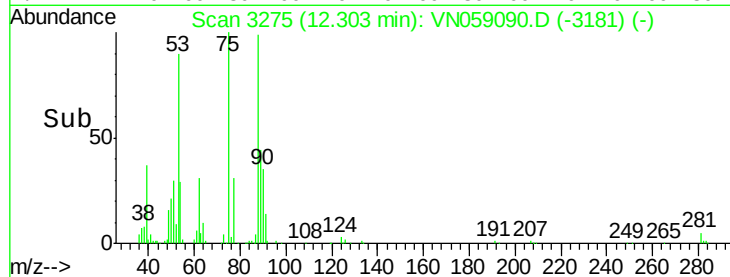
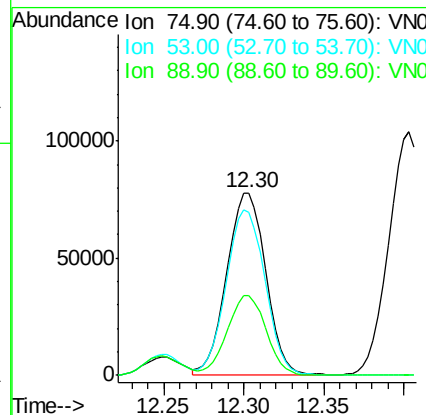
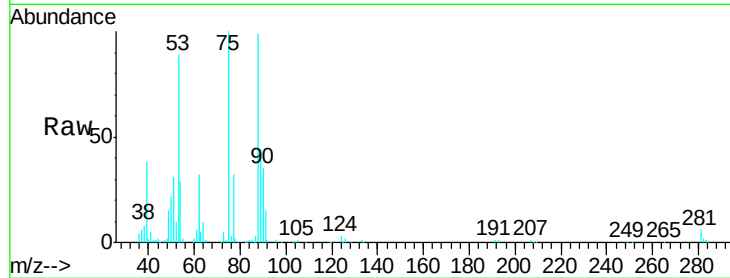
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	128433
Ion Ratio	Lower	Upper	
75	100		
53	91.8	70.4	105.6
89	44.3	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.478 ug/l

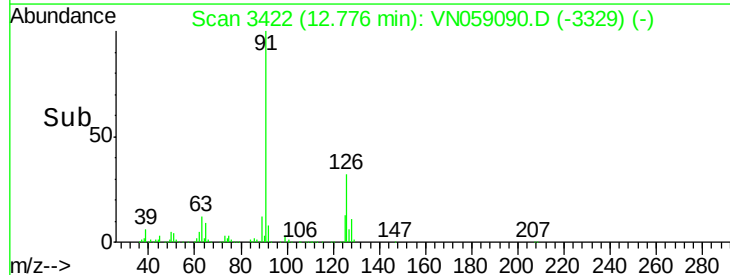
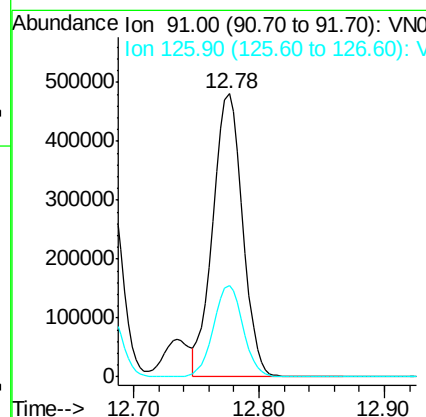
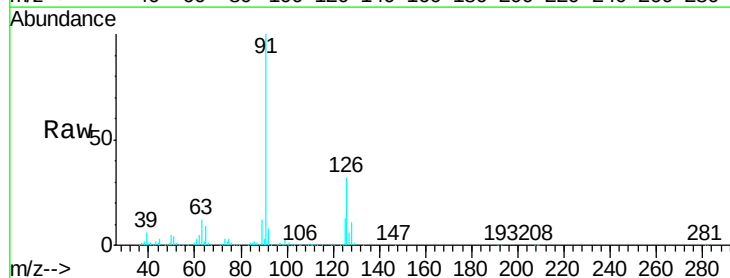
RT: 12.78 min Scan# 3422

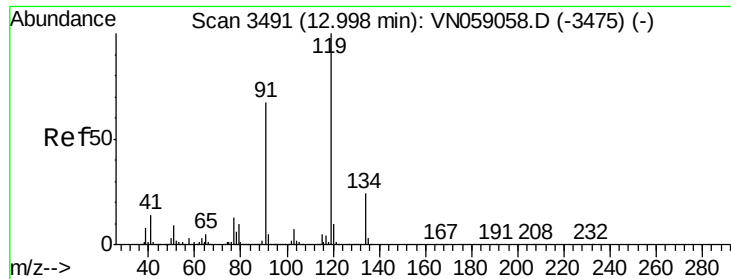
Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion:	91	Resp:	789852
Ion Ratio	Lower	Upper	
91	100		
126	32.0	16.0	47.9





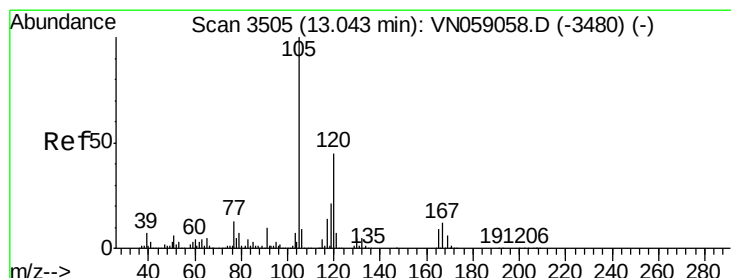
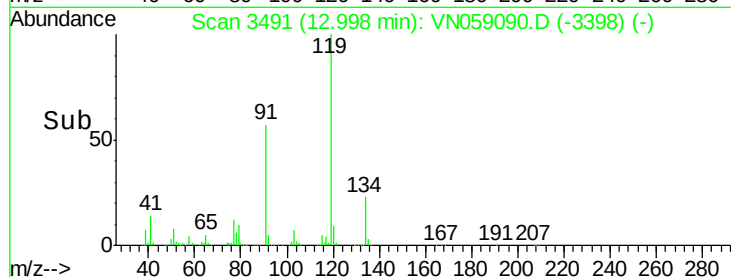
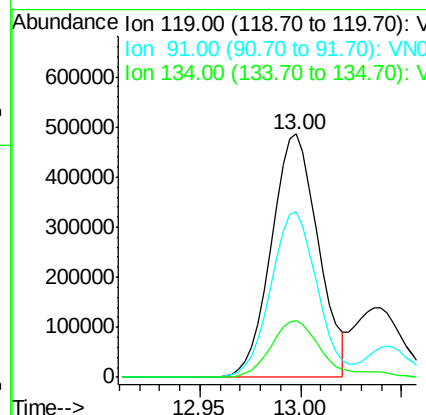
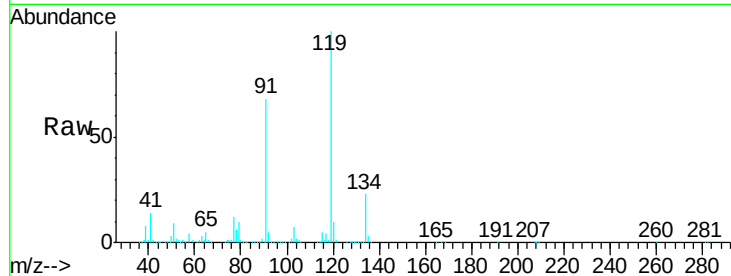
#83
 tert-Butylbenzene
 Concen: 43.835 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.7	101.0
134	25.8	12.9	38.7

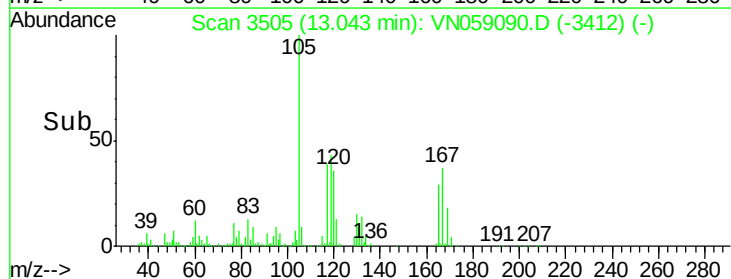
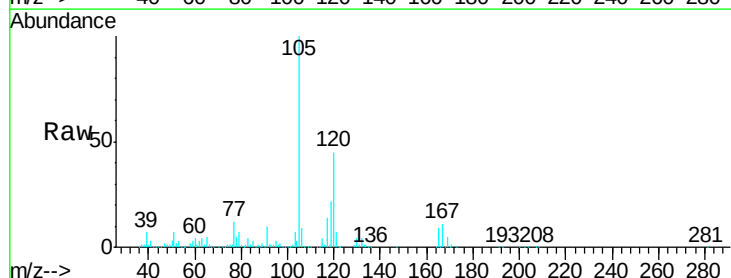
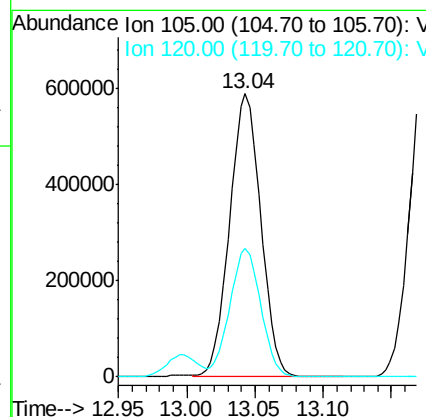
Manual Integrations
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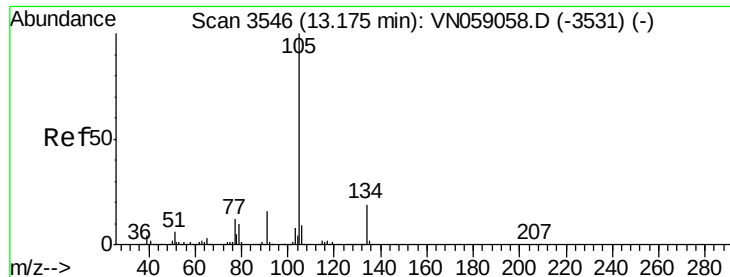
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.709 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.9





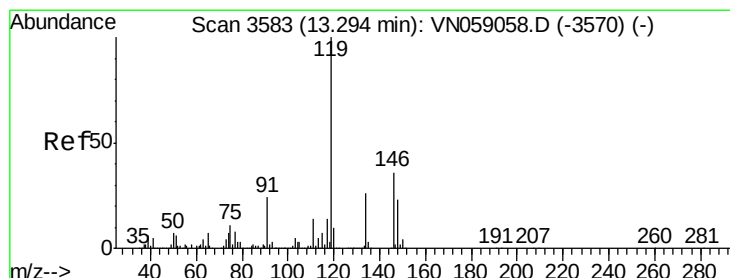
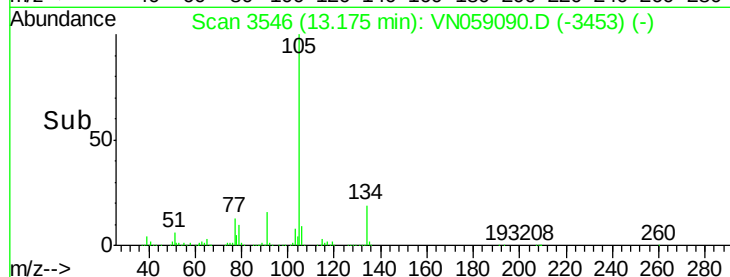
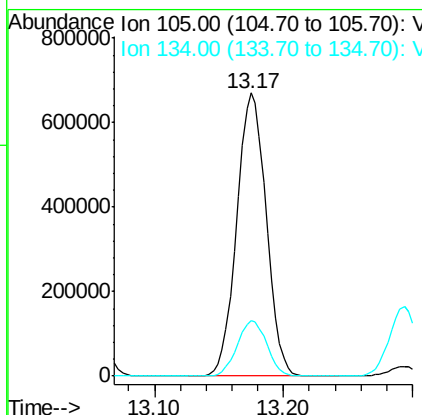
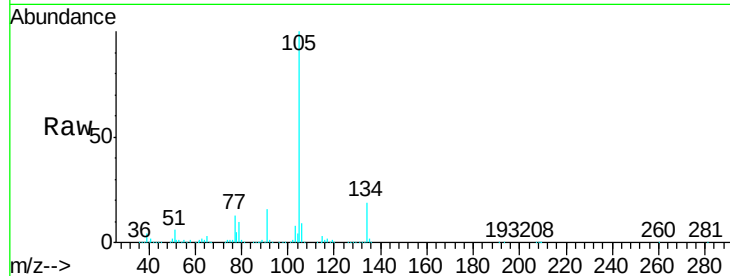
#85
 sec-Butylbenzene
 Concen: 45.317 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

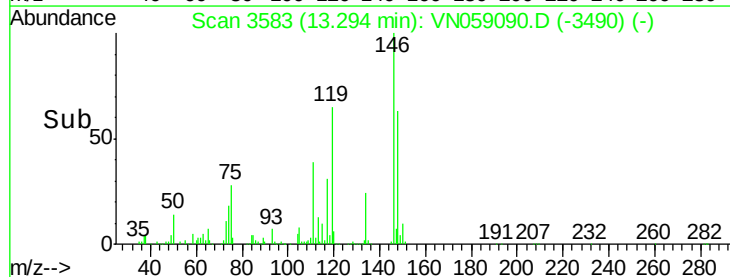
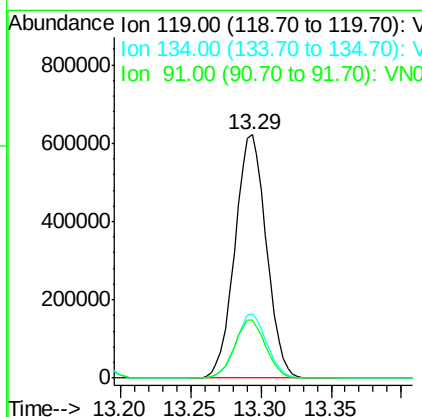
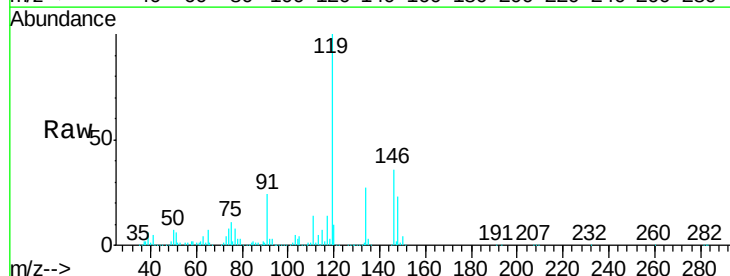
Manual Integrations
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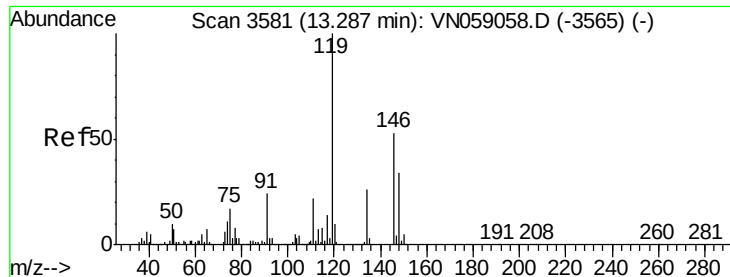
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#86
 p-Isopropyltoluene
 Concen: 45.800 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.7	12.0	36.0





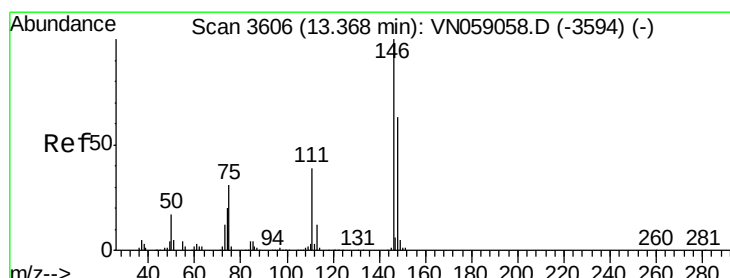
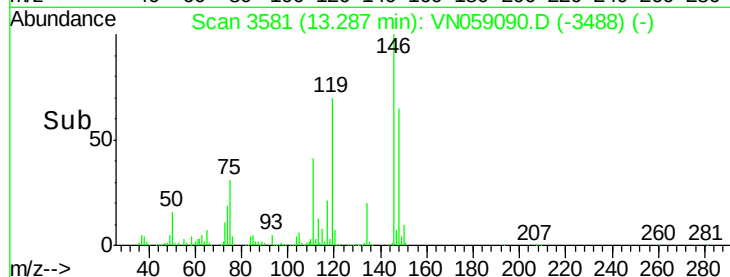
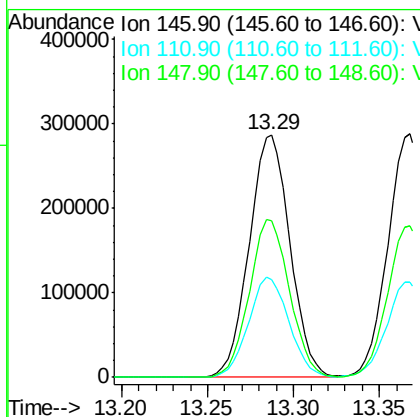
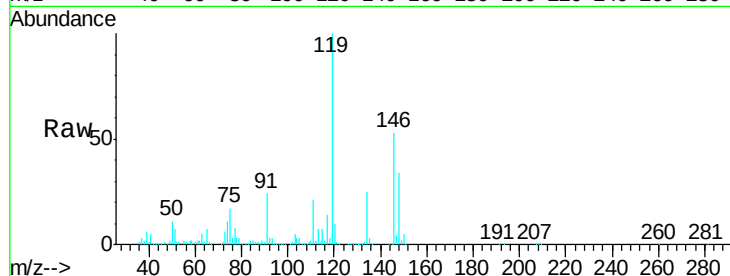
#87
 1,3-Dichlorobenzene
 Concen: 42.958 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	472369		
111	41.0	20.5	61.5	
148	64.2	31.8	95.3	

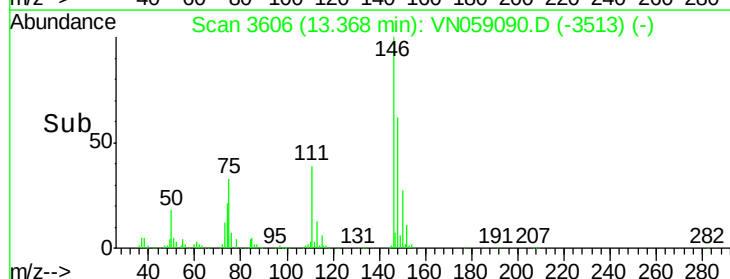
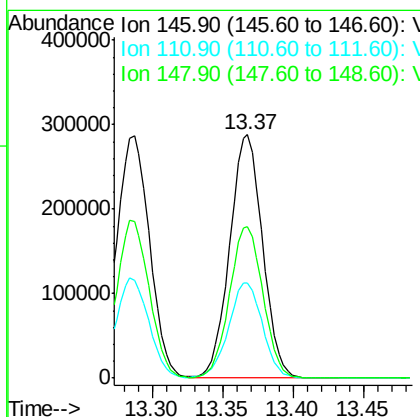
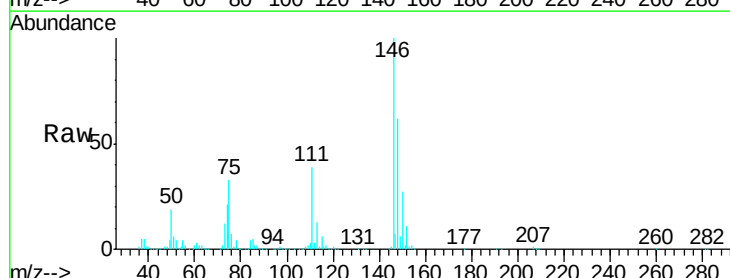
Manual Integrations
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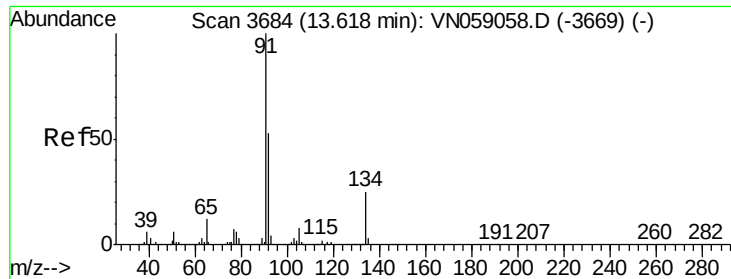
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#88
 1,4-Dichlorobenzene
 Concen: 43.217 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	470073		
111	40.0	20.1	60.2	
148	63.6	31.9	95.7	





#89

n-Butylbenzene

Concen: 46.326 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Instrument :

MSVOA_N

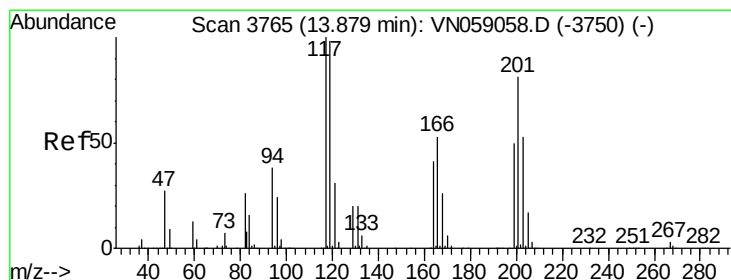
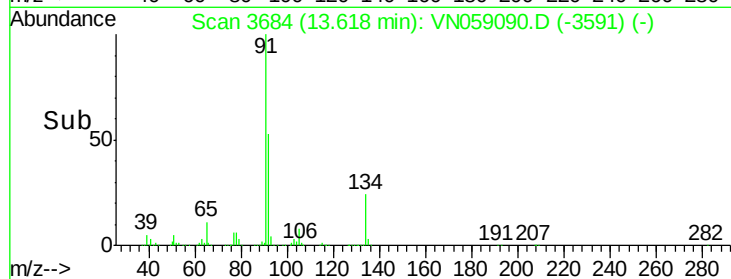
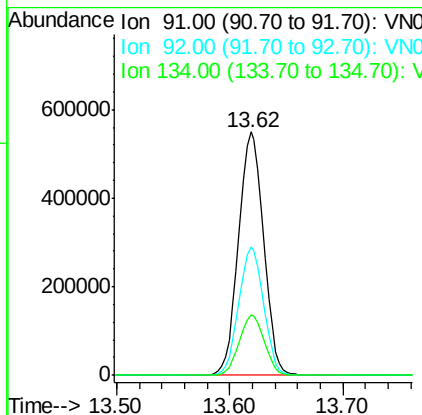
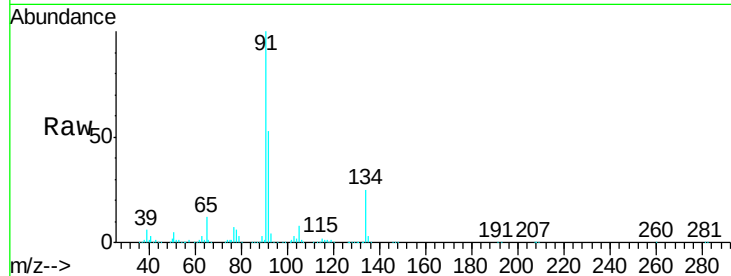
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	91	Resp:	852322
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.0
134	24.7	12.5	37.5

Manual Integrations
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#90

Hexachloroethane

Concen: 42.261 ug/l

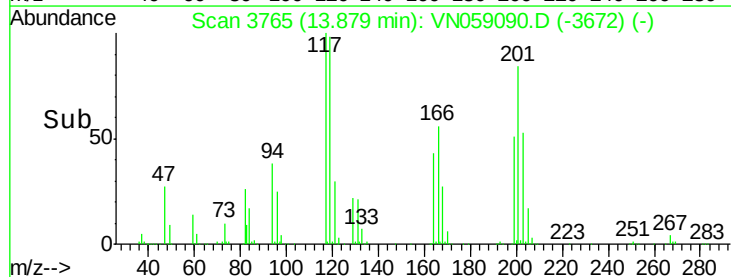
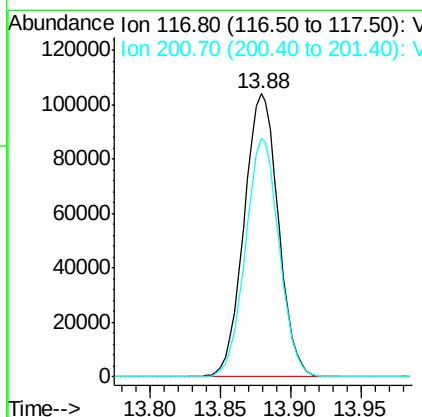
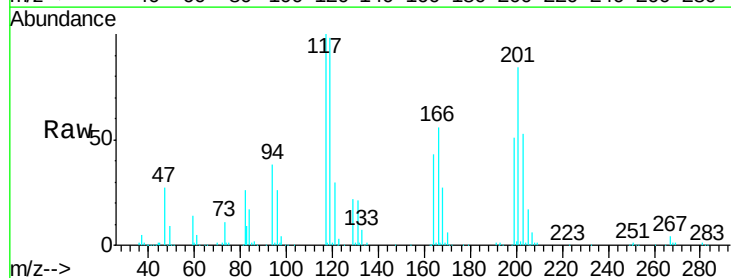
RT: 13.88 min Scan# 3765

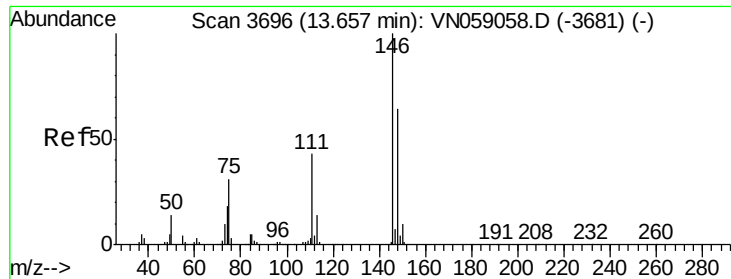
Delta R.T. -0.00 min

Lab File: VN059090.D

Acq: 5 Nov 2019 14:31

Tgt Ion:	117	Resp:	177379
Ion	Ratio	Lower	Upper
117	100		
201	82.6	40.7	122.1





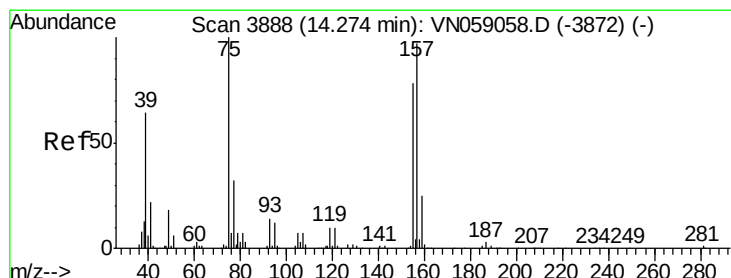
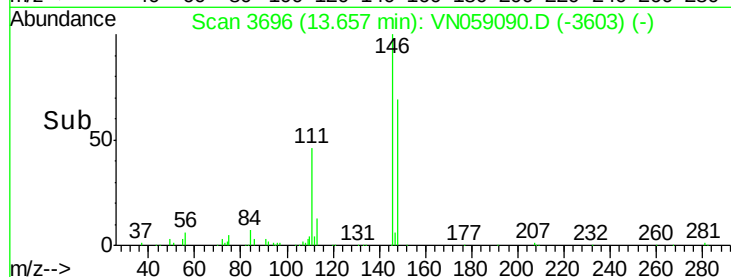
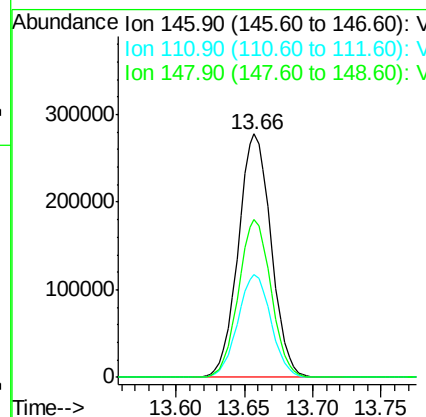
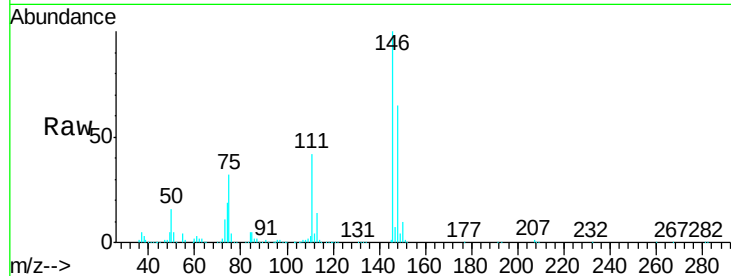
#91
 1,2-Dichlorobenzene
 Concen: 42.443 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	464385		
111	42.4	21.2	63.6	
148	64.3	32.1	96.3	

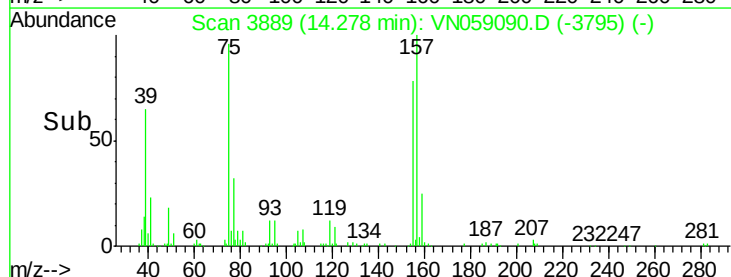
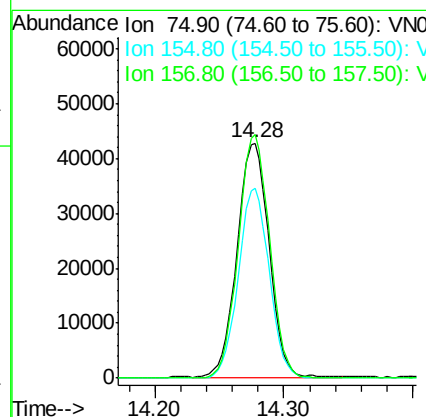
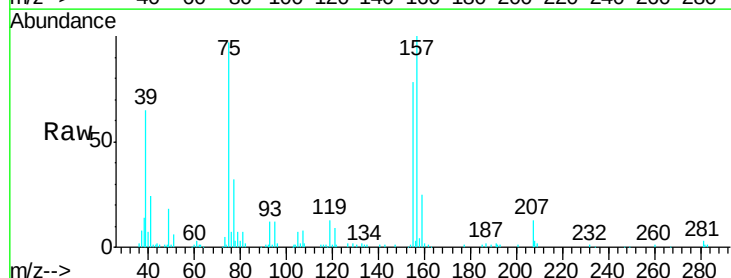
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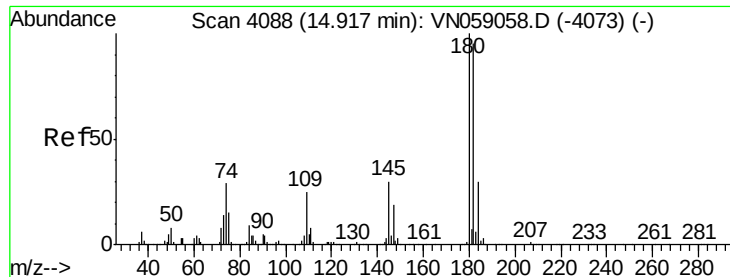
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.430 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73188		
155	78.5	39.7	119.1	
157	102.1	51.0	153.0	





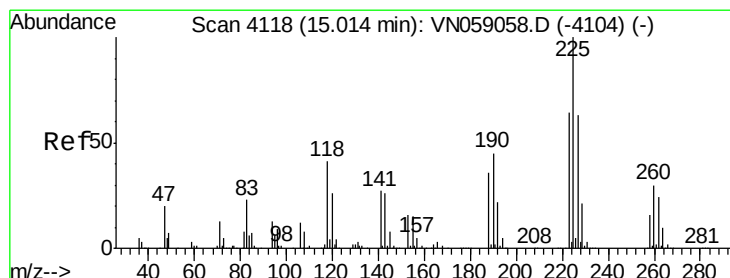
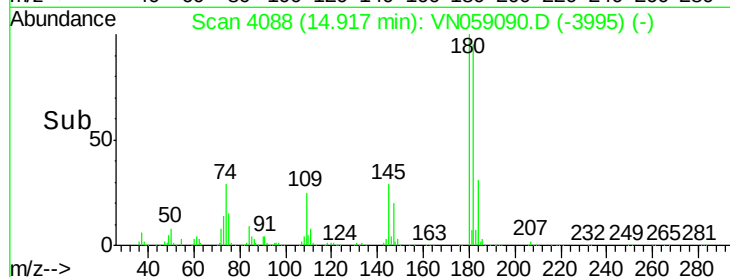
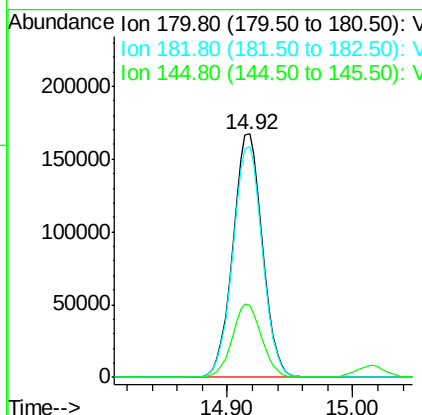
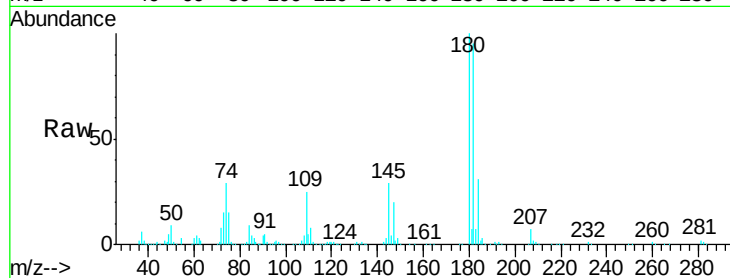
#93
 1,2,4-Trichlorobenzene
 Concen: 46.162 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272416		
182	95.2	47.8	143.4	
145	29.9	15.1	45.3	

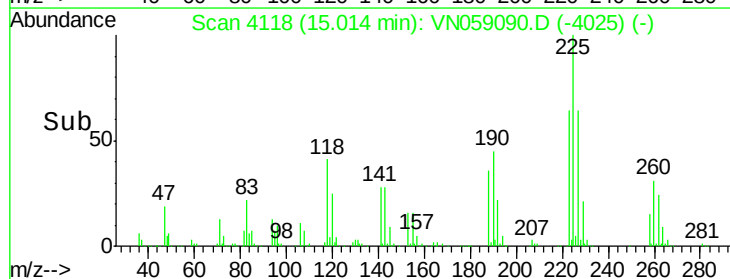
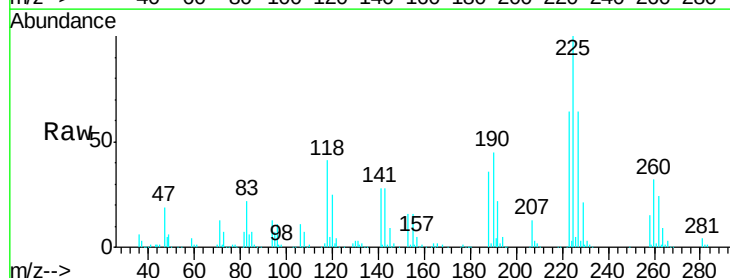
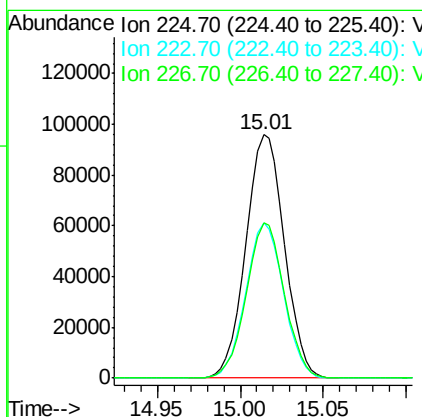
Manual Integrations
 APPROVED

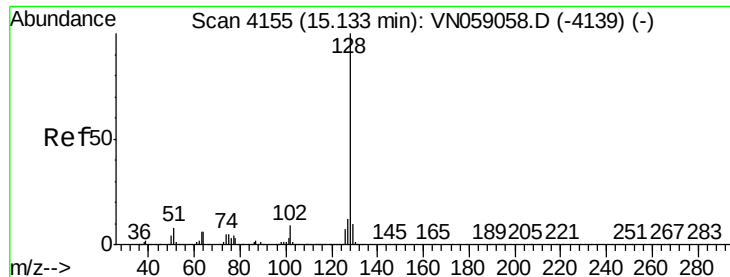
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#94
 Hexachlorobutadiene
 Concen: 43.703 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059090.D
 Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154788		
223	62.7	31.6	95.0	
227	62.9	31.9	95.7	





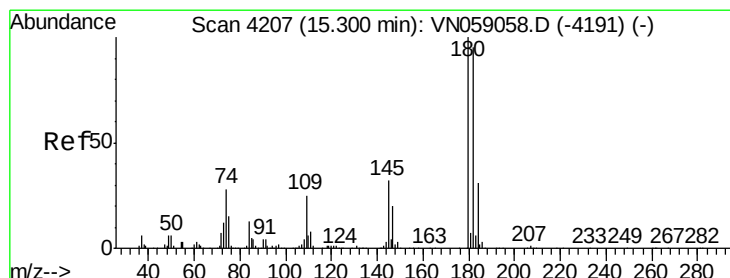
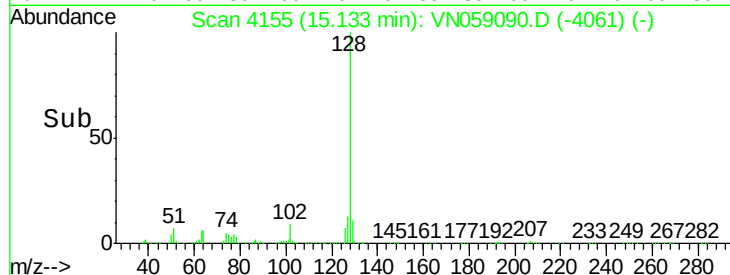
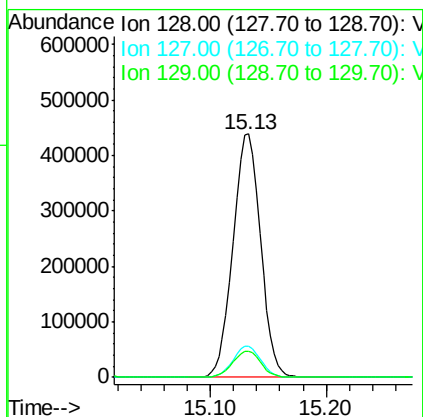
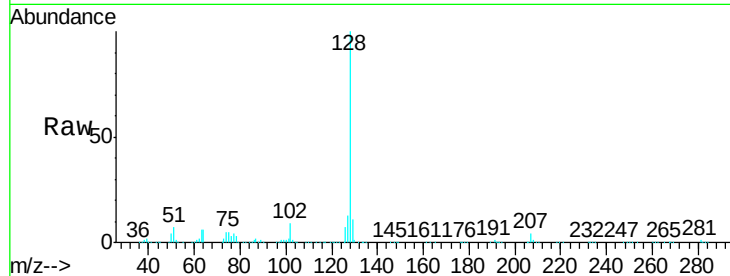
#95
Naphthalene
Concen: 39.859 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.9	9.9	14.9
129	11.0	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 44.226 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN059090.D
Acq: 5 Nov 2019 14:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.4	47.7	143.1
145	31.8	16.0	48.0

