

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058130.D
 Acq On : 16 Sep 2019 19:25
 Operator : JC/SP
 Sample : K4871-02MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:34 PM

Quant Time: Sep 17 08:40:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	319449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	520045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310964	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	341718	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.58	113	251114	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.08	98	972539	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.40	95	363132	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	222154	50.285	ug/l	97
3) Chloromethane	2.04	50	190658	42.343	ug/l	100
4) Vinyl Chloride	2.17	62	198455	41.644	ug/l	99
5) Bromomethane	2.54	94	105400	39.942	ug/l	100
6) Chloroethane	2.68	64	129984	42.805	ug/l	98
7) Trichlorofluoromethane	3.00	101	277444	46.262	ug/l	100
8) Diethyl Ether	3.39	74	132288	52.887	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	199731	52.794	ug/l	99
10) Methyl Iodide	3.93	142	207140	49.202	ug/l	99
11) Tert butyl alcohol	4.76	59	204689	261.383	ug/l	99
12) 1,1-Dichloroethene	3.72	96	166883	49.061	ug/l	98
13) Acrolein	3.59	56	42762	64.364	ug/l	100
14) Allyl chloride	4.30	41	330495	49.647	ug/l	99
15) Acrylonitrile	4.96	53	612985	284.788	ug/l	99
16) Acetone	3.79	43	549392	259.019	ug/l	97
17) Carbon Disulfide	4.03	76	228528	43.188	ug/l	99
18) Methyl Acetate	4.30	43	333633	58.994	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	802887	56.717	ug/l	98
20) Methylene Chloride	4.53	84	230807	57.341	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	186689	50.771	ug/l	99
22) Diisopropyl ether	5.93	45	878662	56.285	ug/l	100
23) Vinyl Acetate	5.87	43	3149181	284.645	ug/l	99
24) 1,1-Dichloroethane	5.83	63	461373	54.077	ug/l	99
25) 2-Butanone	6.81	43	847167	275.959	ug/l	99
26) 2,2-Dichloropropane	6.81	77	292984	43.393	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	261823	53.132	ug/l	99
28) Bromochloromethane	7.17	49	228842	53.689	ug/l	98
29) Tetrahydrofuran	7.19	42	538563	284.700	ug/l	99
30) Chloroform	7.36	83	487729	54.673	ug/l	100
31) Cyclohexane	7.64	56	306293	52.807	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	382533	54.068	ug/l	100
36) 1,1-Dichloropropene	7.78	75	301352	49.966	ug/l	99
37) Ethyl Acetate	6.91	43	337453	54.155	ug/l	100
38) Carbon Tetrachloride	7.76	117	305208	55.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	297544	46.930	ug/l	96
40) Benzene	8.03	78	959202	52.826	ug/l	99
41) Methacrylonitrile	7.16	41	169309	59.856	ug/l	95
42) 1,2-Dichloroethane	8.11	62	402758	55.462	ug/l	100
43) Isopropyl Acetate	8.15	43	633897	60.492	ug/l	98
44) Trichloroethene	8.82	130	231067	51.884	ug/l	98
45) 1,2-Dichloropropane	9.11	63	292479	55.356	ug/l	99
46) Dibromomethane	9.20	93	181428	56.824	ug/l	99
47) Bromodichloromethane	9.40	83	374056	58.669	ug/l	98
48) Methyl methacrylate	9.19	41	294053	55.318	ug/l	99
49) 1,4-Dioxane	9.19	88	84567	940.761	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1891469	305.019	ug/l	100
52) Toluene	10.15	92	602959	52.723	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	386050	57.500	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	408854	55.156	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	280491	57.901	ug/l	99
56) Ethyl methacrylate	10.43	69	420857	57.691	ug/l	99
57) 1,3-Dichloropropane	10.71	76	469925	56.288	ug/l	99
59) 2-Hexanone	10.75	43	1375572	295.949	ug/l	100
60) Dibromochloromethane	10.90	129	271804	60.422	ug/l	100
61) 1,2-Dibromoethane	11.00	107	264745	57.807	ug/l	98
64) Tetrachloroethene	10.63	164	182781	49.236	ug/l	99
65) Chlorobenzene	11.43	112	700110	53.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	265124	58.067	ug/l	99
67) Ethyl Benzene	11.51	91	1255523	54.445	ug/l	99
68) m/p-Xylenes	11.62	106	919166	108.815	ug/l	100
69) o-Xylene	11.95	106	462425	55.066	ug/l	99
70) Styrene	11.97	104	801109	55.432	ug/l	99
71) Bromoform	12.13	173	172689	60.664	ug/l #	98
73) Isopropylbenzene	12.25	105	1282314	53.142	ug/l	100
74) N-amyl acetate	12.07	43	583253	55.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	432729	53.262	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	414034m	58.857	ug/l	
77) Bromobenzene	12.53	156	304525	50.619	ug/l	99
78) n-propylbenzene	12.59	91	1505677	54.340	ug/l	99
79) 2-Chlorotoluene	12.68	91	906022	51.735	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1108386	54.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	104505	52.278	ug/l	96
82) 4-Chlorotoluene	12.78	91	955131	53.110	ug/l	100
83) tert-Butylbenzene	13.00	119	963908	53.186	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1130309	54.547	ug/l	99
85) sec-Butylbenzene	13.18	105	1309390	54.510	ug/l	100
86) p-Isopropyltoluene	13.29	119	1162234	54.913	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	586504	53.113	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	587238	52.391	ug/l	100
89) n-Butylbenzene	13.62	91	1064688	53.268	ug/l	100
90) Hexachloroethane	13.88	117	178475	56.701	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	588948	53.386	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81881	61.027	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	374303	51.909	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	157898	51.657	ug/l	99
95) Naphthalene	15.13	128	1100590	60.798	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	357223	56.613	ug/l	98

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

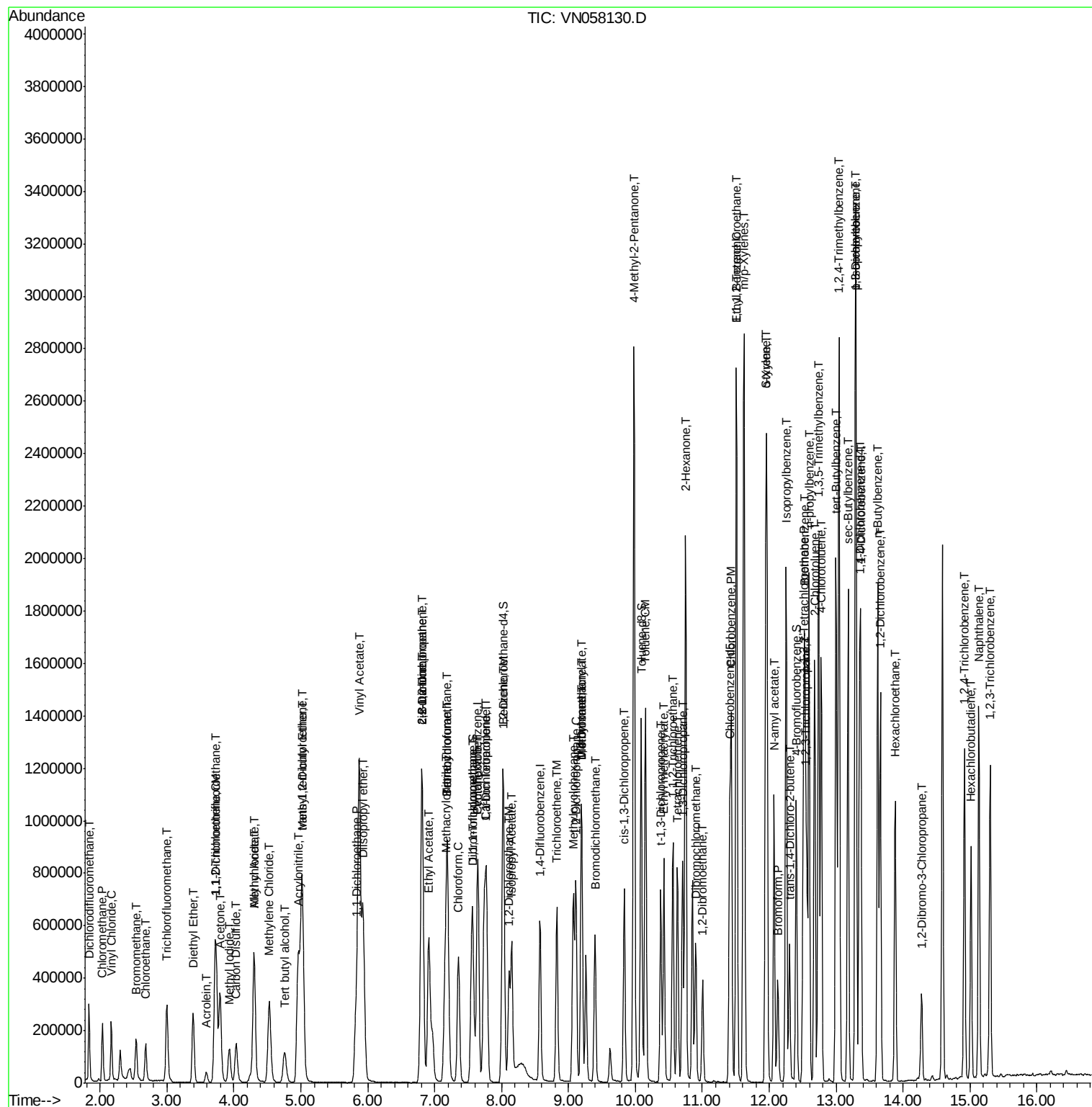
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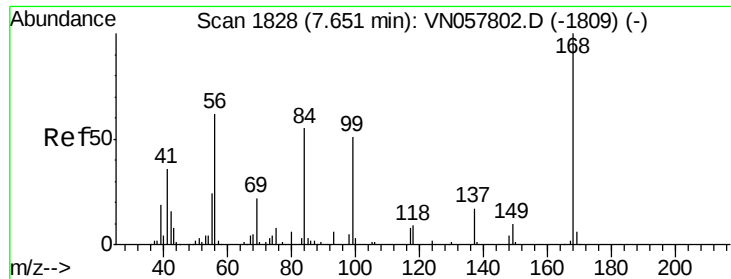
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion:168 Resp: 319449

Ion Ratio Lower Upper

168 100

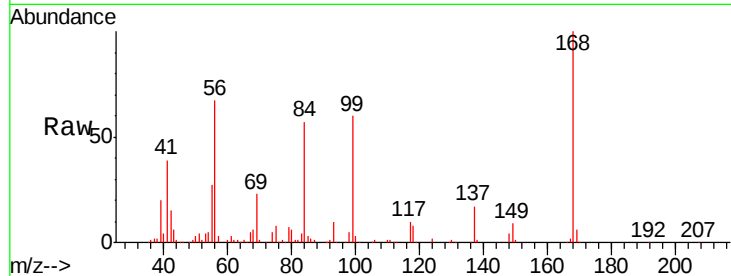
99 59.8 48.0 72.0

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

7.65

150000

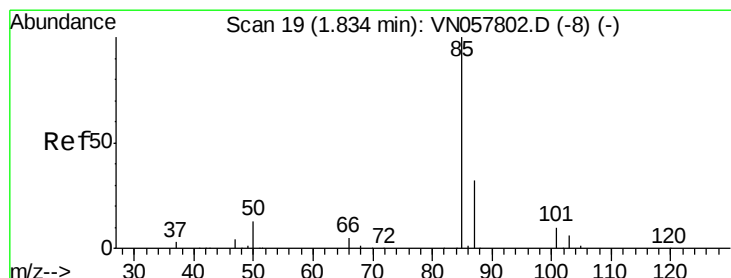
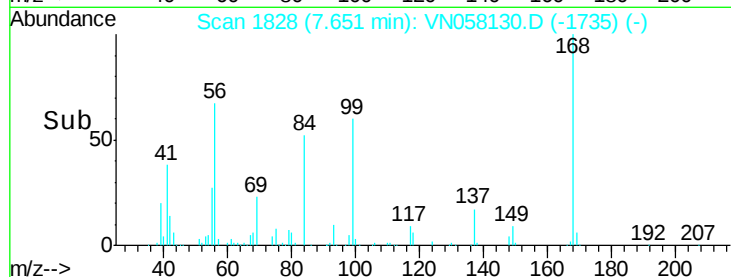
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.285 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058130.D

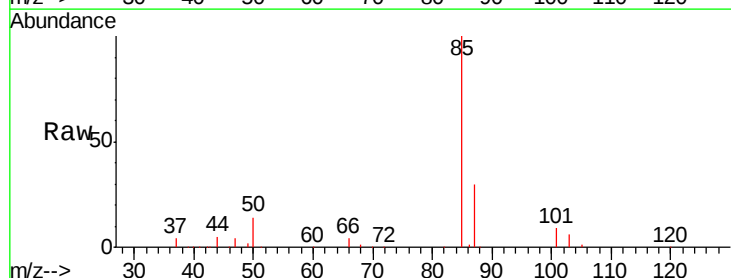
Acq: 16 Sep 2019 19:25

Tgt Ion: 85 Resp: 222154

Ion Ratio Lower Upper

85 100

87 30.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

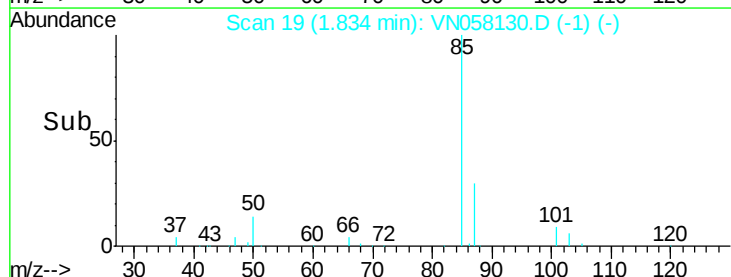
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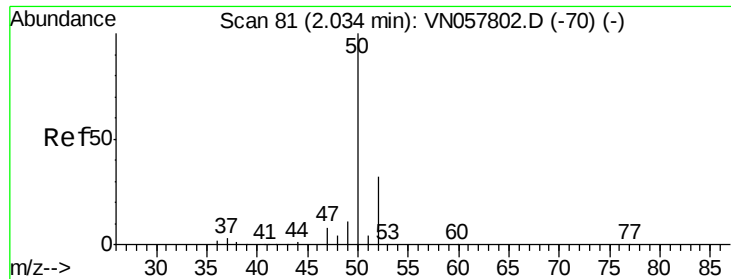
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.343 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MS

Tgt Ion: 50 Resp: 190658

Ion Ratio Lower Upper

50 100

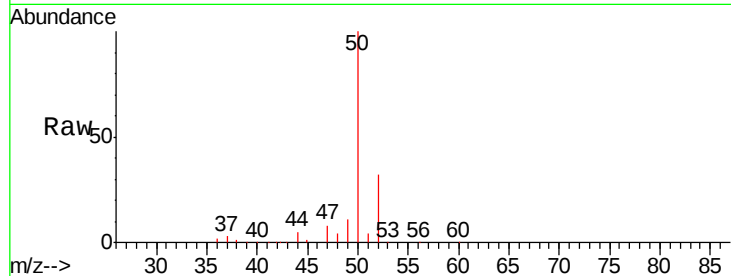
52 31.6 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

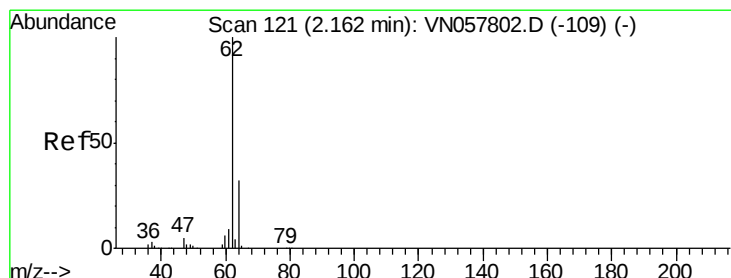
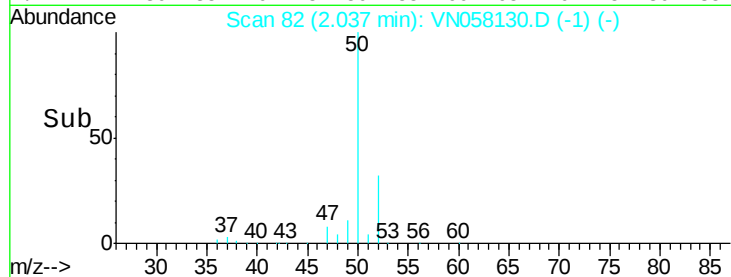
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 41.644 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058130.D

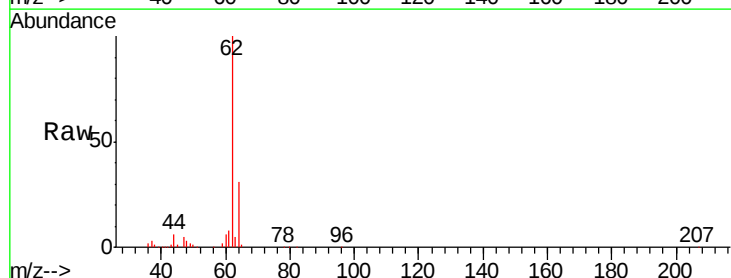
Acq: 16 Sep 2019 19:25

Tgt Ion: 62 Resp: 198455

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

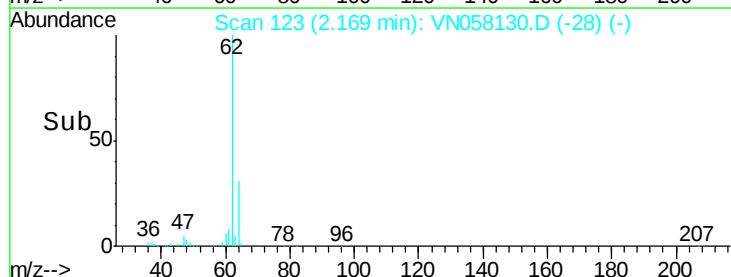
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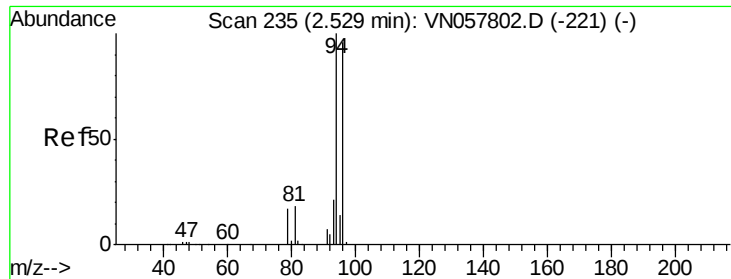
100000

50000

0

Time-->





#5

Bromomethane

Concen: 39.942 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion: 94 Resp: 105400

Ion Ratio Lower Upper

94 100

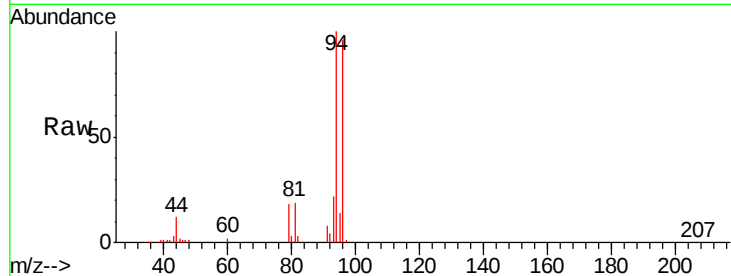
96 96.4 77.0 115.4

Manual Integrations

APPROVED

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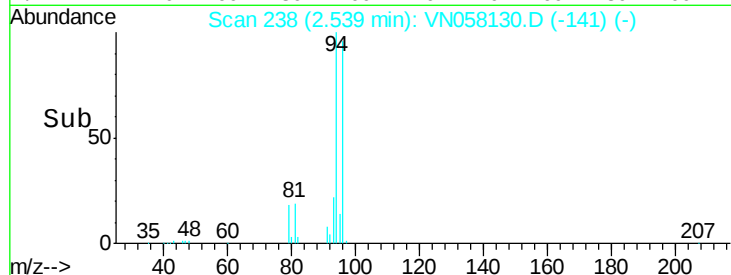


Abundance Ion 93.90 (93.60 to 94.60): VN058130.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058130.D (-141) (-)

2.54

Time-->



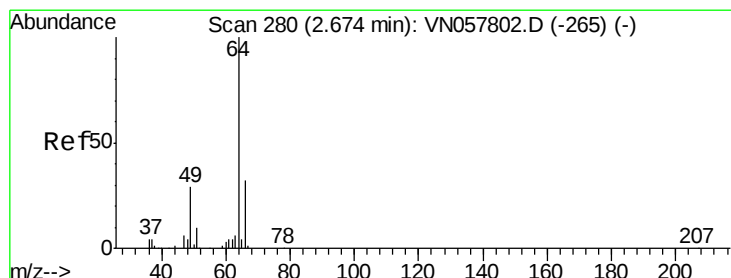
Abundance

Ion 93.90 (93.60 to 94.60): VN058130.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058130.D (-141) (-)

2.54

Time-->



#6

Chloroethane

Concen: 42.805 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058130.D

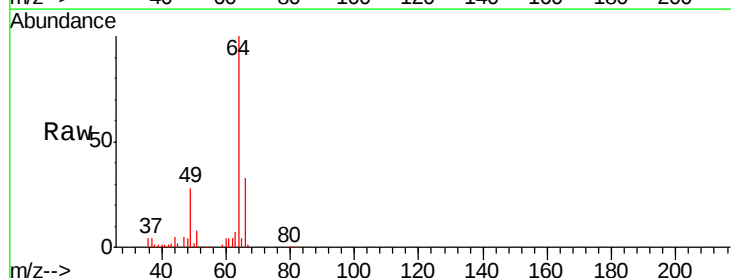
Acq: 16 Sep 2019 19:25

Tgt Ion: 64 Resp: 129984

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3

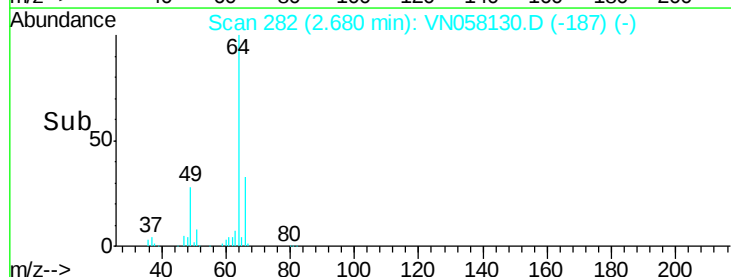


Abundance Ion 63.90 (63.60 to 64.60): VN058130.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN058130.D (-187) (-)

2.68

Time-->



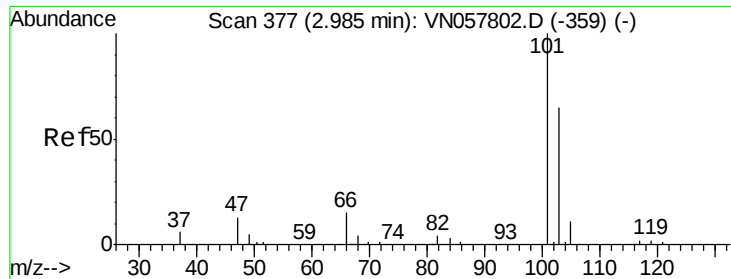
Abundance

Ion 63.90 (63.60 to 64.60): VN058130.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN058130.D (-187) (-)

2.68

Time-->



#7

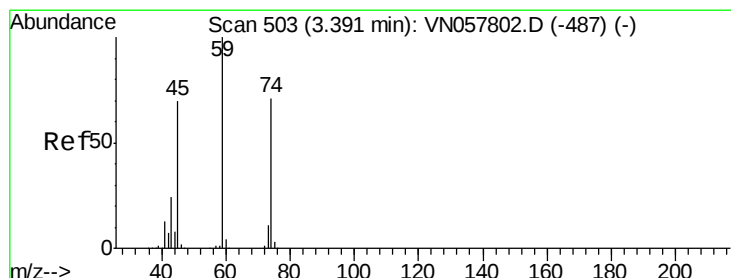
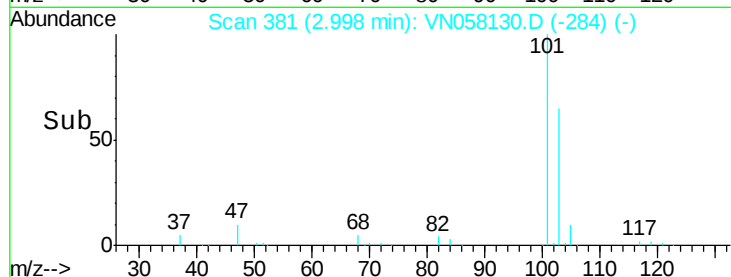
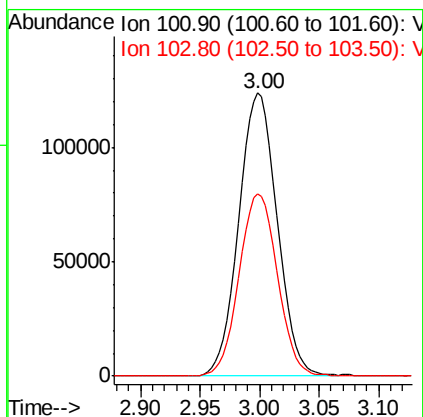
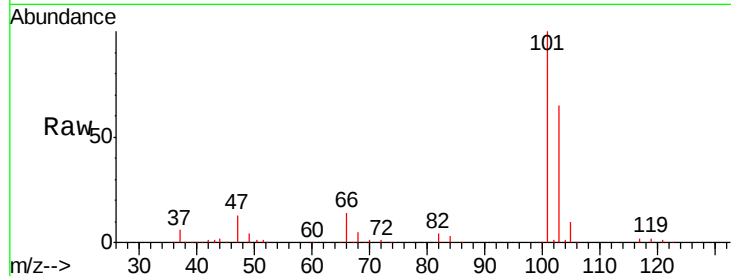
Trichlorofluoromethane
Concen: 46.262 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

Tgt Ion: 101 Resp: 277444
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9

Manual Integrations
APPROVED

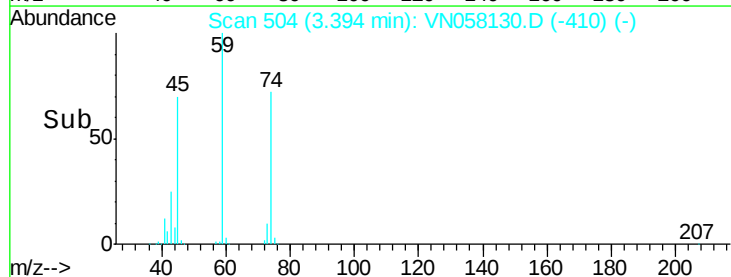
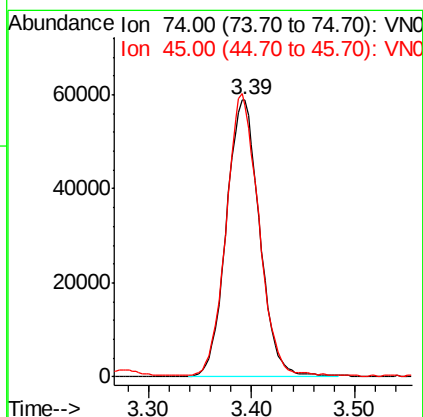
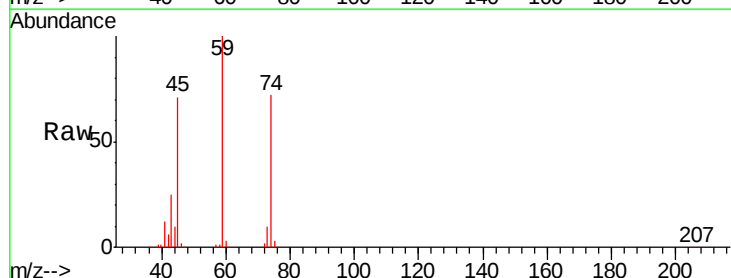
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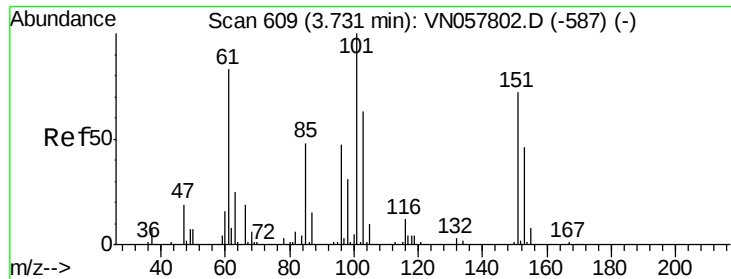


#8

Diethyl Ether
Concen: 52.887 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 74 Resp: 132288
Ion Ratio Lower Upper
74 100
45 99.4 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.794 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

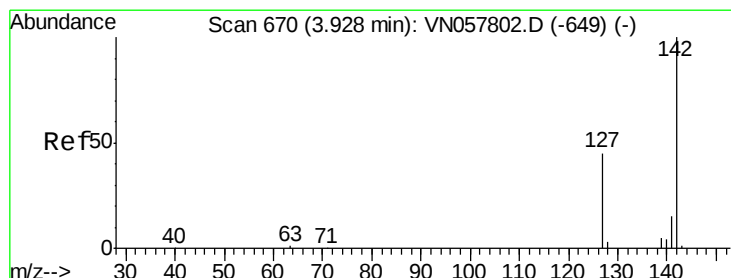
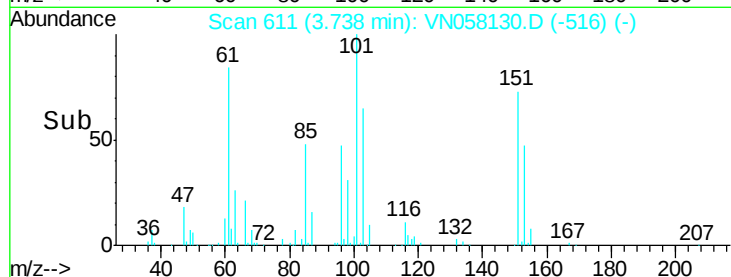
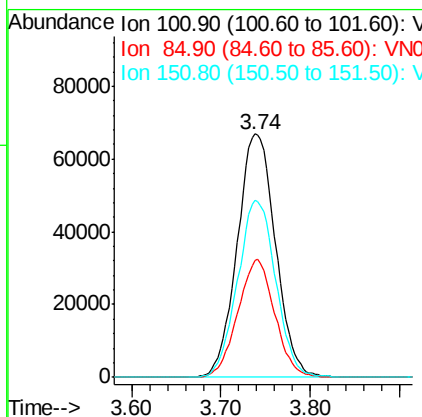
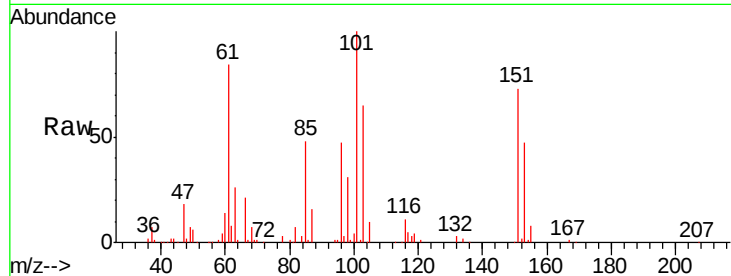
ClientSampleId :

VE-4-11MS

Tgt Ion:	101	Resp:	199731
Ion Ratio	Lower	Upper	
101	100		
85	46.7	38.1	57.1
151	72.6	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 49.202 ug/l

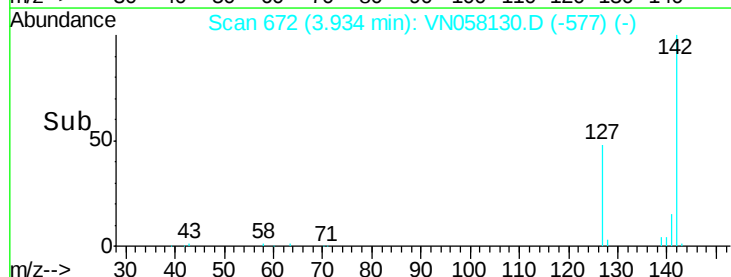
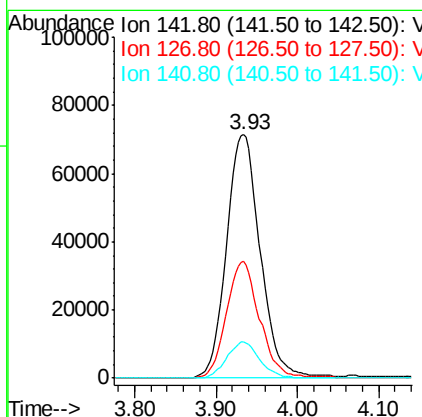
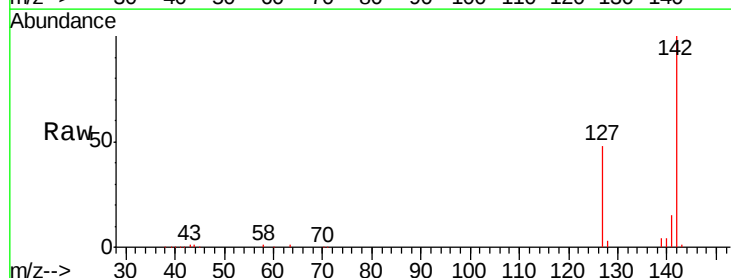
RT: 3.93 min Scan# 672

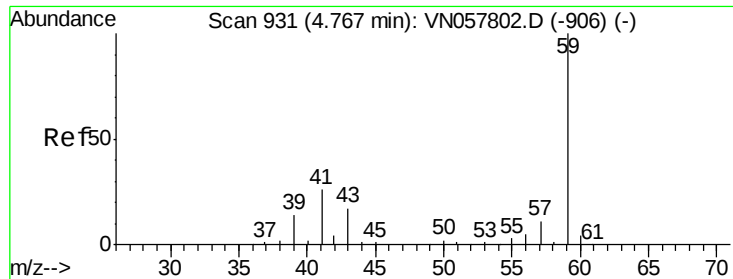
Delta R.T. 0.01 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion:	142	Resp:	207140
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.7	55.1
141	14.5	11.4	17.0





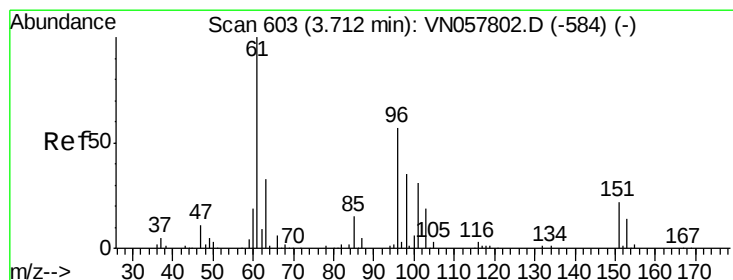
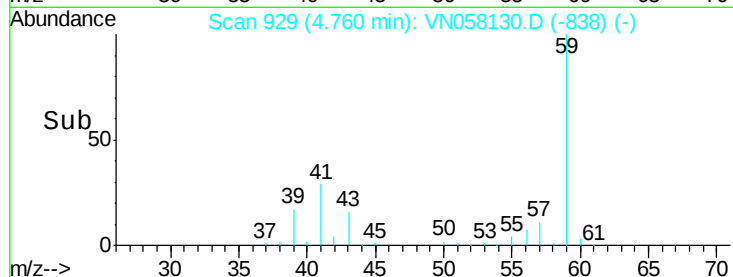
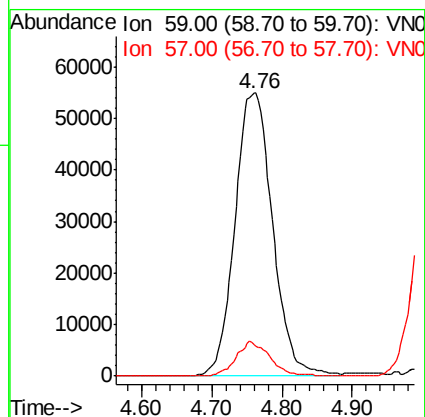
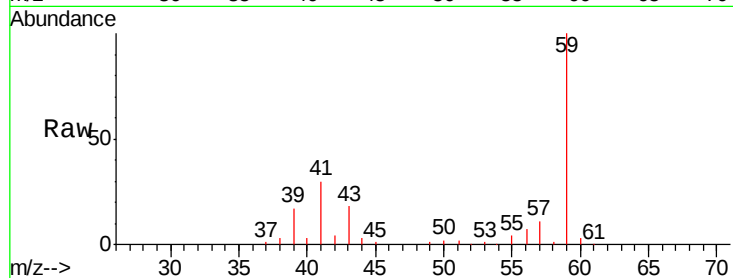
#11
Tert butyl alcohol
Concen: 261.383 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.01 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion: 59 Resp: 204689
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

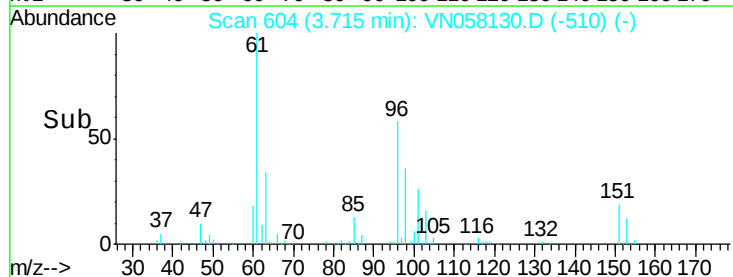
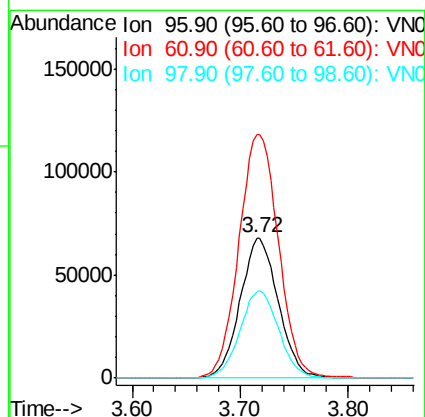
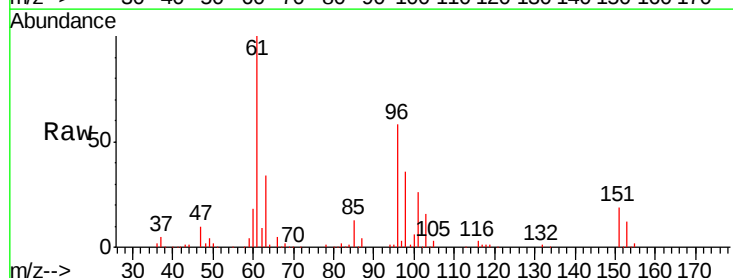
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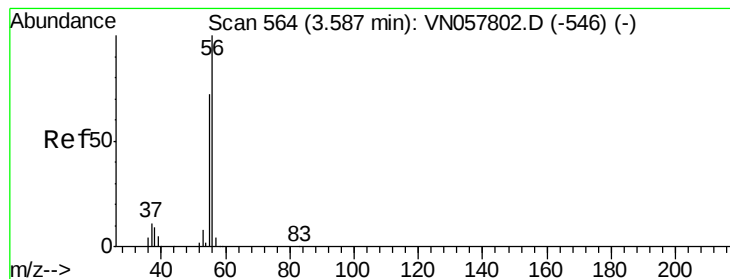
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.061 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 96 Resp: 166883
Ion Ratio Lower Upper
96 100
61 173.6 141.2 211.8
98 61.7 49.9 74.9





#13

Acrolein

Concen: 64.364 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion: 56 Resp: 42762

Ion Ratio Lower Upper

56 100

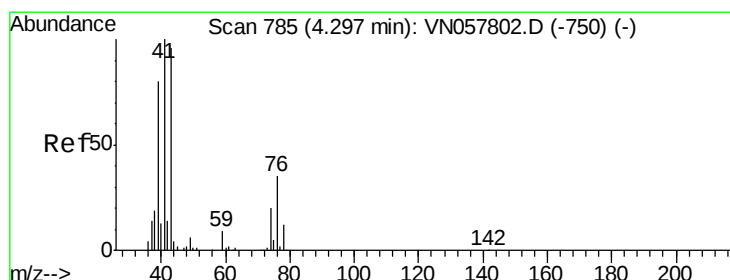
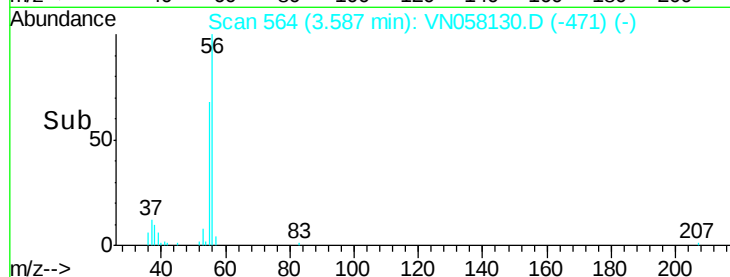
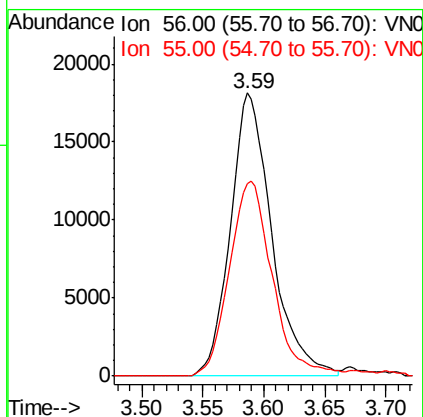
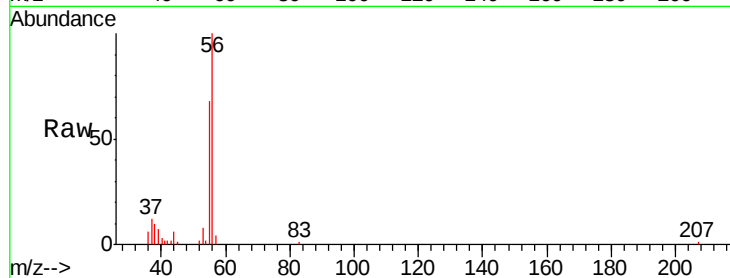
55 71.3 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 49.647 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

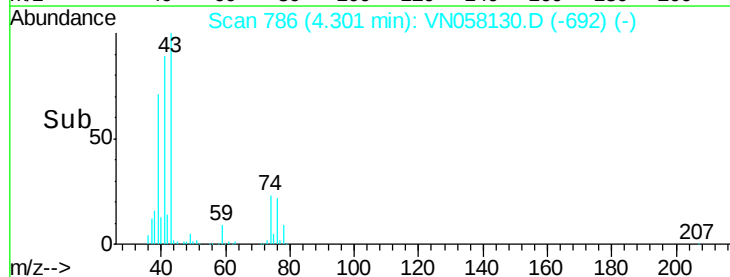
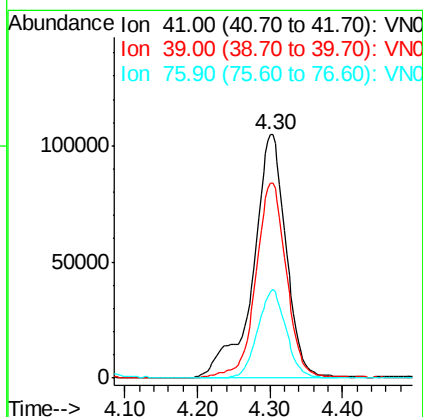
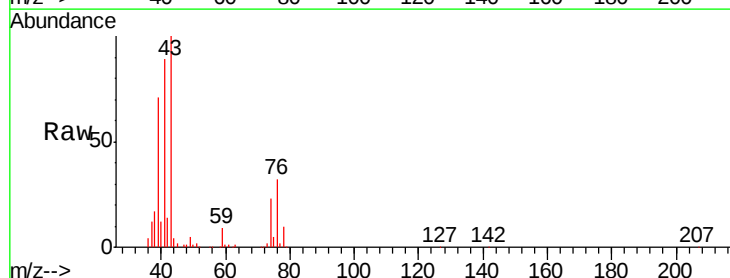
Tgt Ion: 41 Resp: 330495

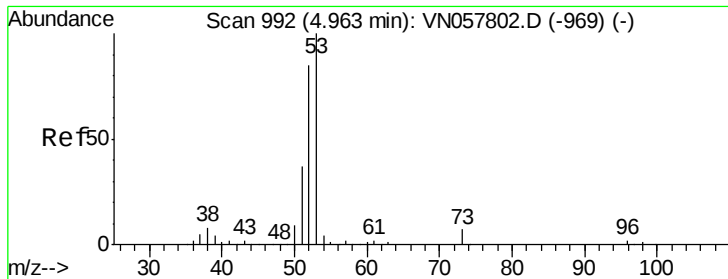
Ion Ratio Lower Upper

41 100

39 74.4 59.4 89.2

76 31.4 26.0 39.0





#15

Acrylonitrile

Concen: 284.788 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

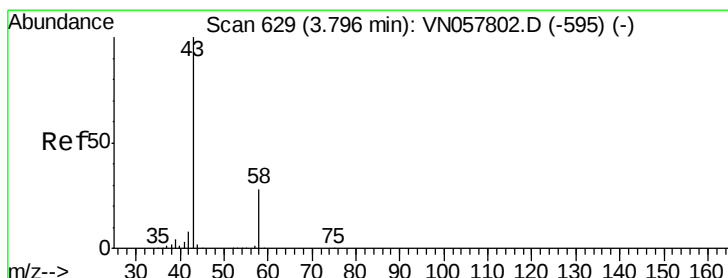
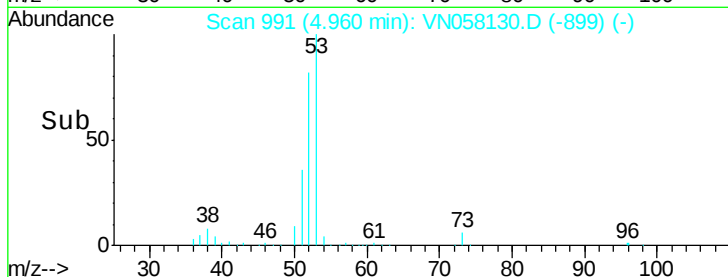
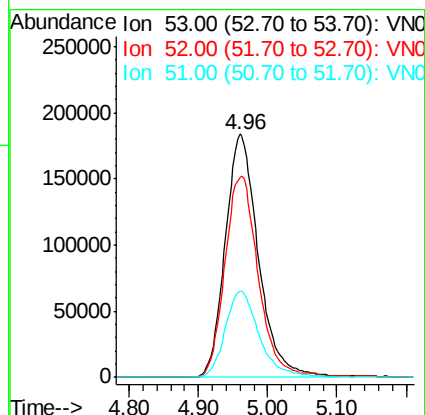
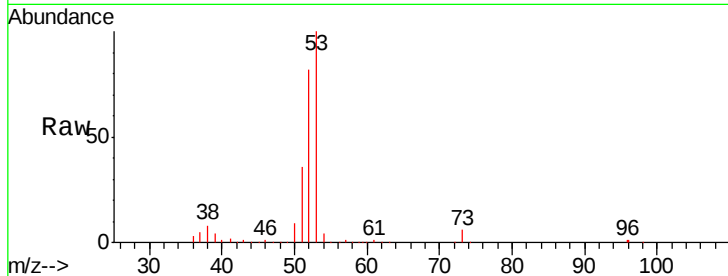
ClientSampleId :

VE-4-11MS

Tgt Ion:	53	Resp:	612985
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	100.0
51	36.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 259.019 ug/l

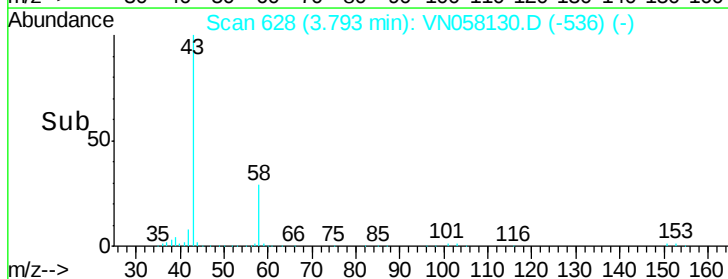
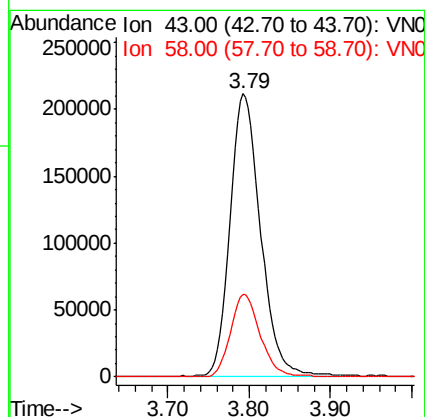
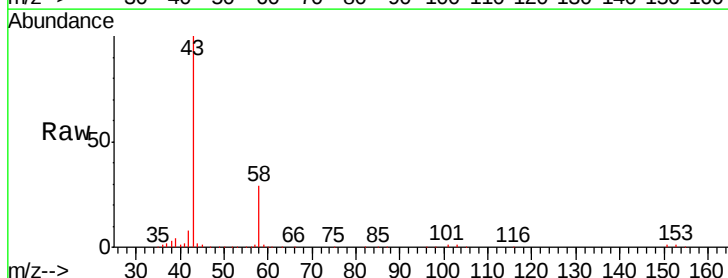
RT: 3.79 min Scan# 628

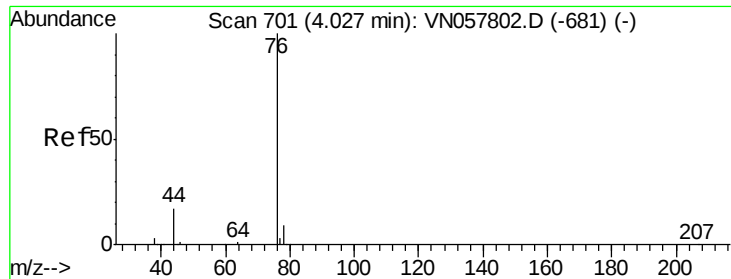
Delta R.T. -0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion:	43	Resp:	549392
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.2	33.2





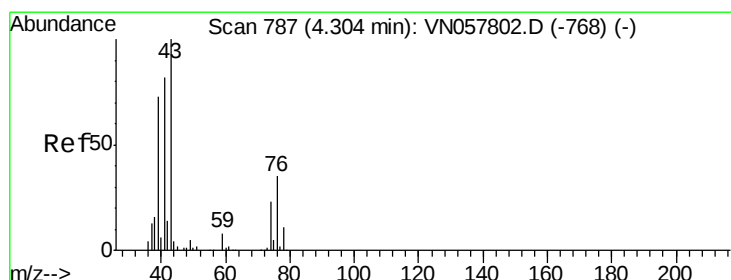
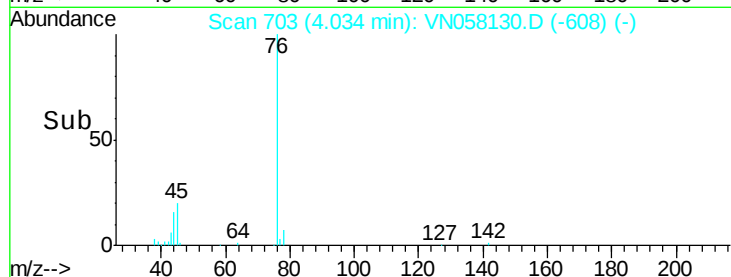
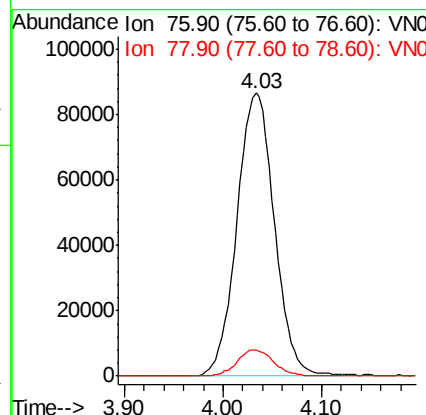
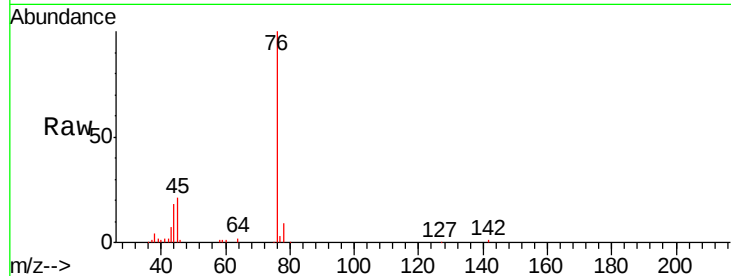
#17
Carbon Disulfide
Concen: 43.188 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

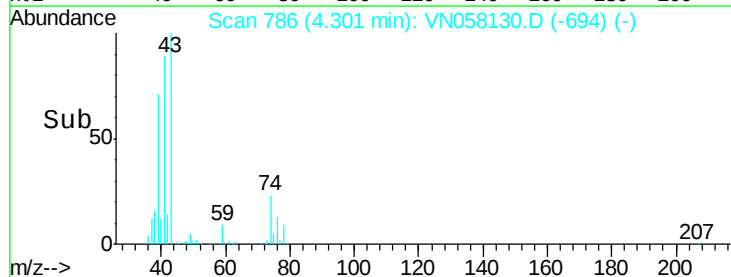
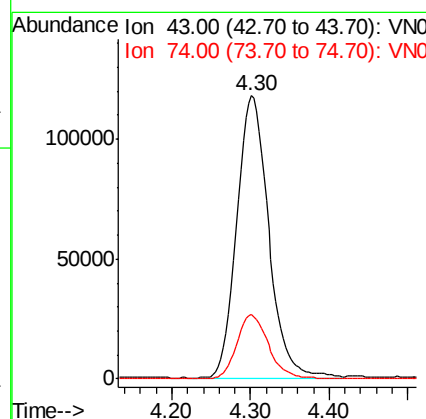
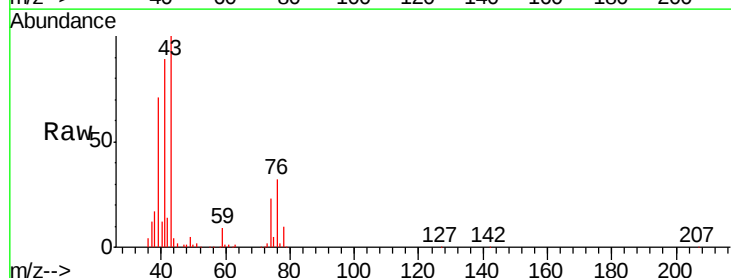
Manual Integrations
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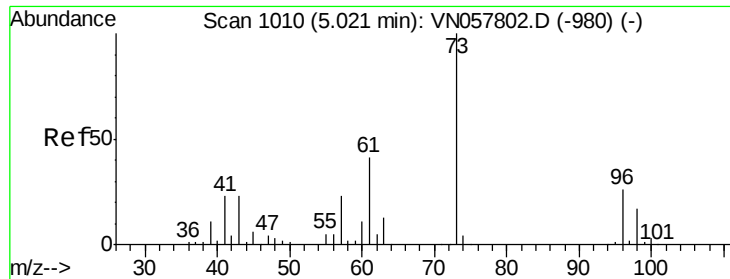
MMDadoda
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#18
Methyl Acetate
Concen: 58.994 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.9	26.9





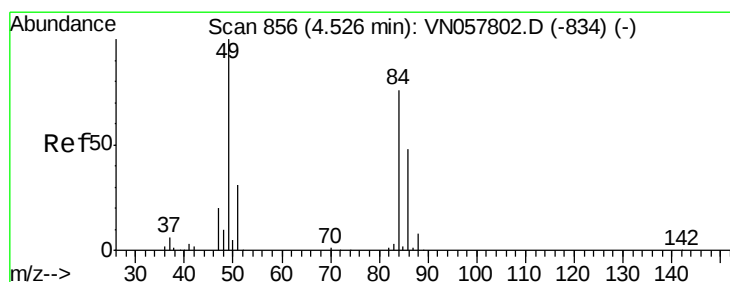
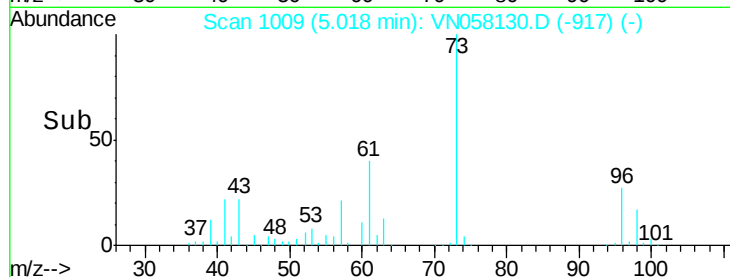
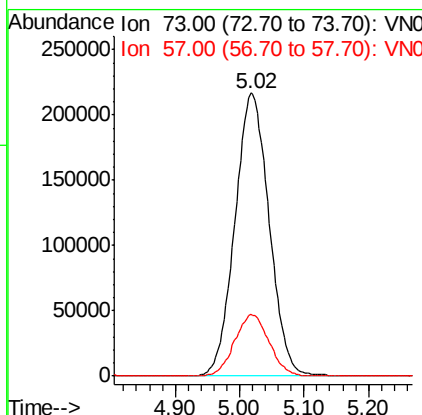
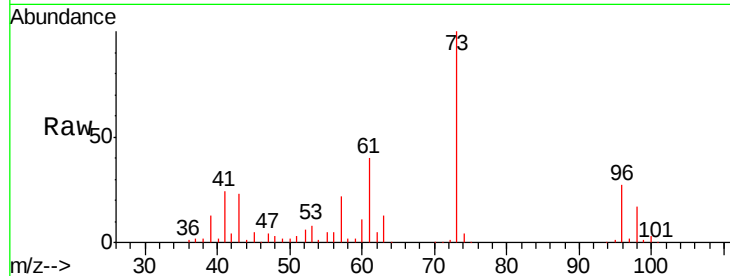
#19
Methyl tert-butyl Ether
Concen: 56.717 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion: 73 Resp: 802887
Ion Ratio Lower Upper
73 100
57 21.8 18.2 27.2

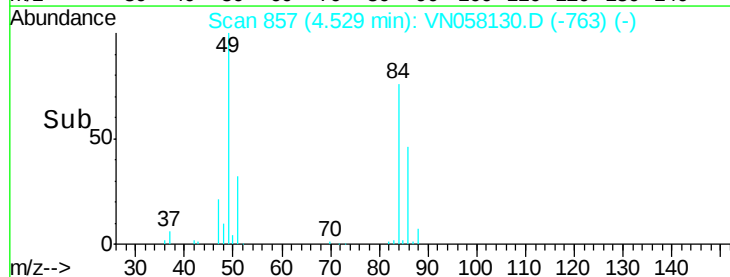
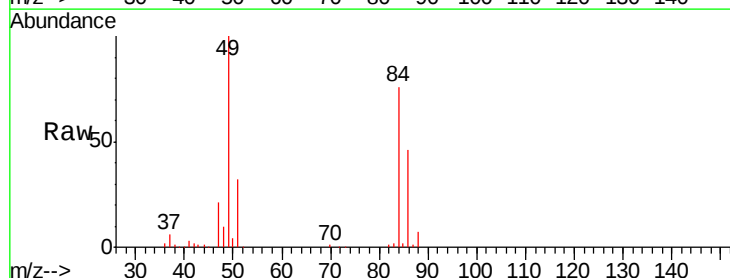
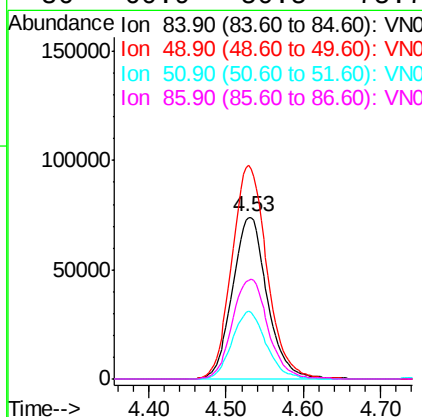
Manual Integrations
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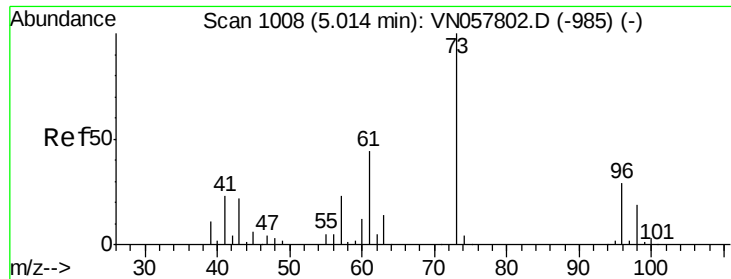
MMDadoda
9/18/2019 2:56:34 PM



#20
Methylene Chloride
Concen: 57.341 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 84 Resp: 230807
Ion Ratio Lower Upper
84 100
49 131.9 104.8 157.2
51 42.1 33.0 49.4
86 60.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 50.771 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

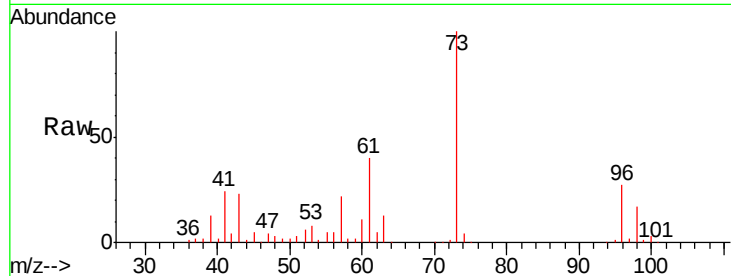
ClientSampleId :

VE-4-11MS

Tgt Ion:	96	Resp:	186689
Ion	Ratio	Lower	Upper
96	100		
61	150.7	121.9	182.9
98	65.1	52.2	78.4

Manual Integrations
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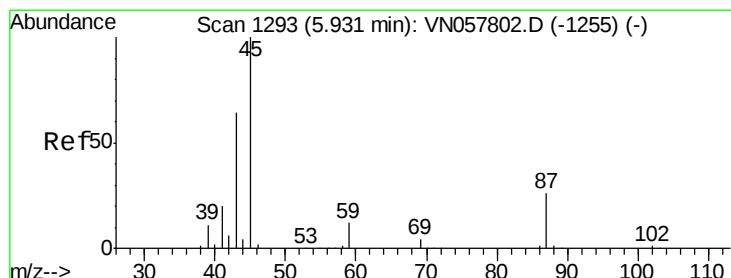
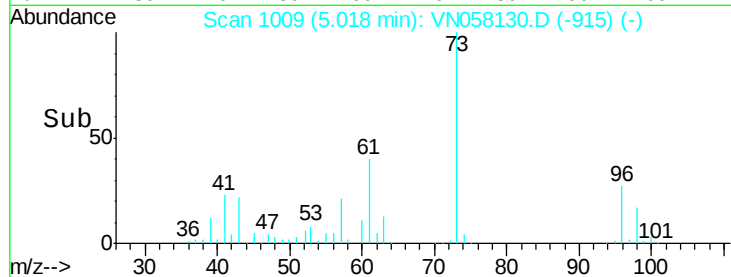
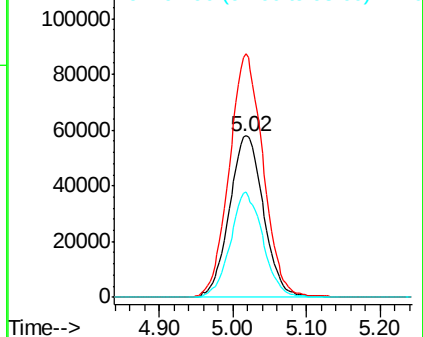


Abundance

Ion 95.90 (95.60 to 96.60): VN058130.D (-1200) (-)

Ion 60.90 (60.60 to 61.60): VN058130.D (-1200) (-)

Ion 97.90 (97.60 to 98.60): VN058130.D (-1200) (-)



#22

Diisopropyl ether

Concen: 56.285 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion:	45	Resp:	878662
Ion	Ratio	Lower	Upper
45	100		
43	64.3	51.4	77.2
87	26.3	21.3	31.9
59	11.3	9.3	13.9

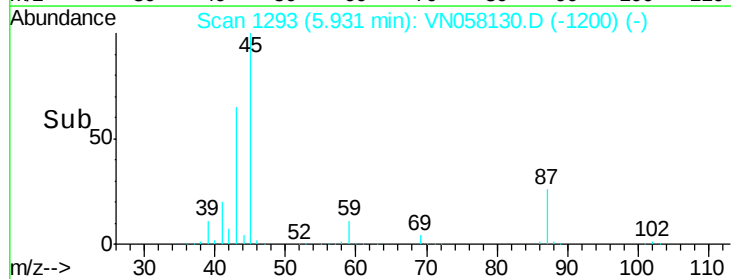
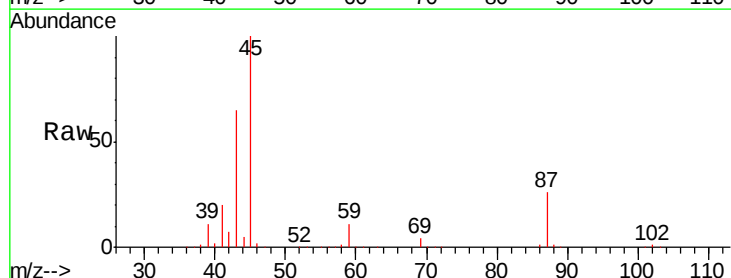
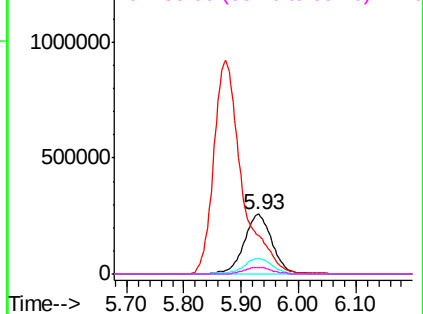
Abundance

Ion 45.00 (44.70 to 45.70): VN058130.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058130.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058130.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058130.D (-1200) (-)





#23

Vinyl Acetate

Concen: 284.645 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MS

Tgt Ion: 43 Resp: 3149181

Ion Ratio Lower Upper

43 100

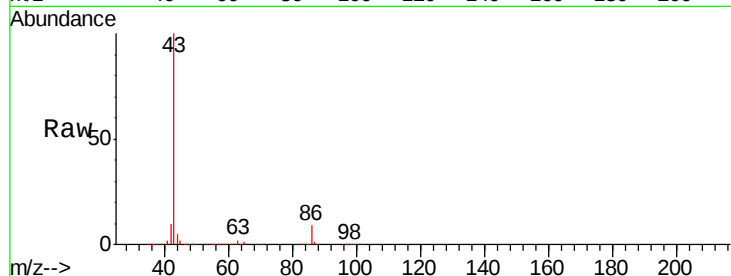
86 9.4 7.7 11.5

Manual Integrations

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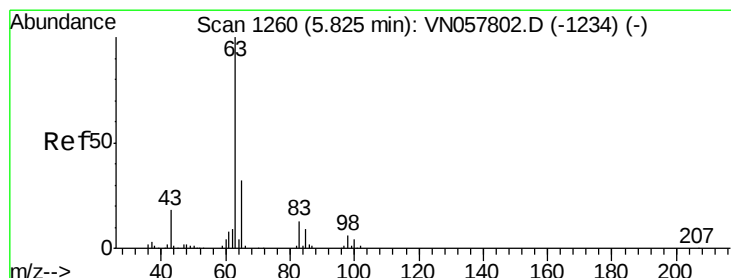
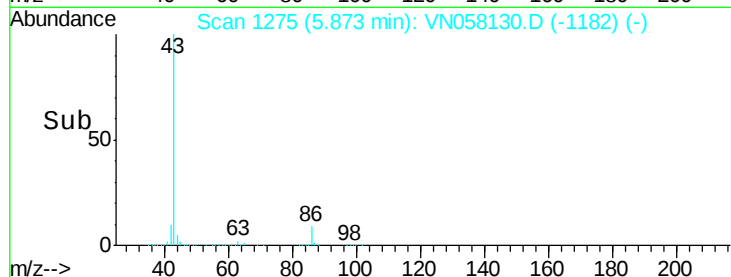
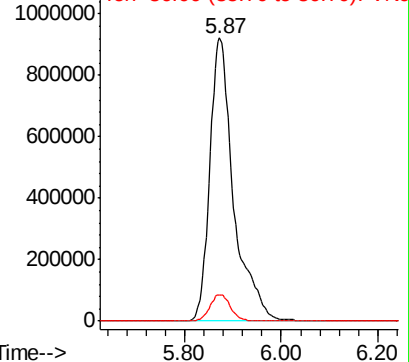
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.077 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

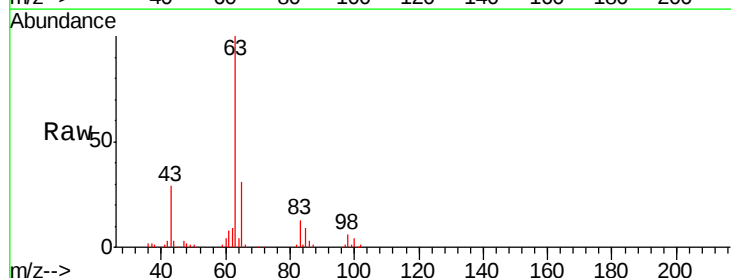
Tgt Ion: 63 Resp: 461373

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

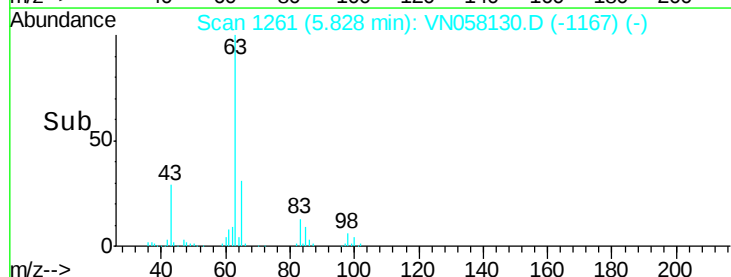
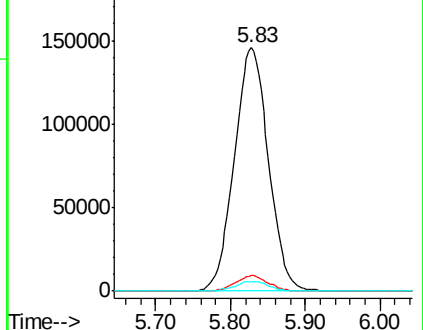
100 3.7 2.0 5.8

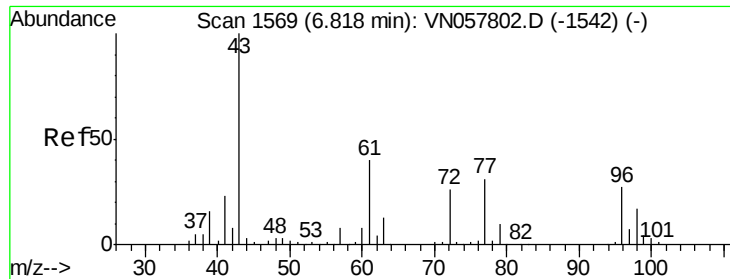


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





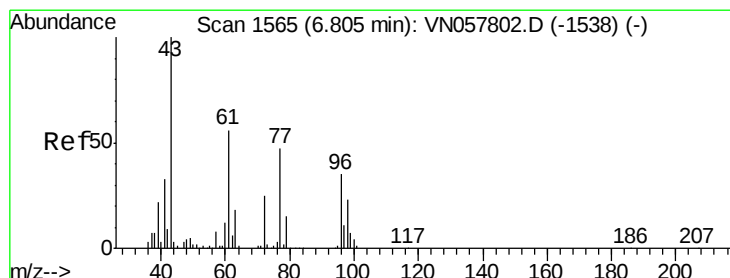
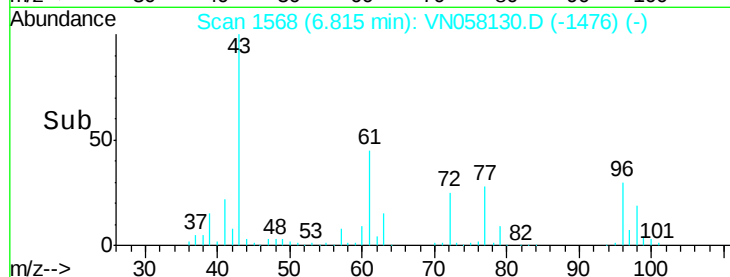
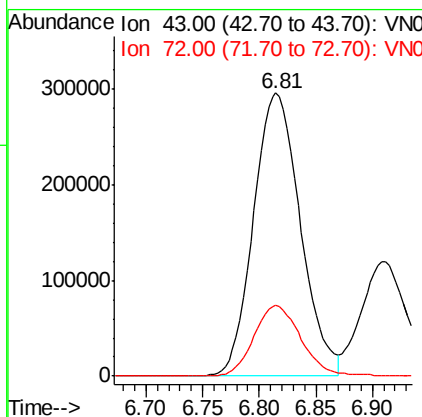
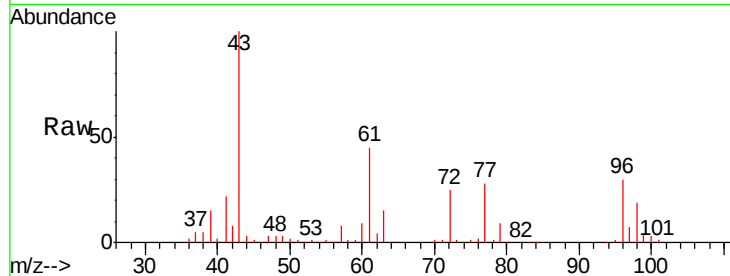
#25
2-Butanone
Concen: 275.959 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion: 43 Resp: 847167
Ion Ratio Lower Upper
43 100
72 25.1 20.6 30.8

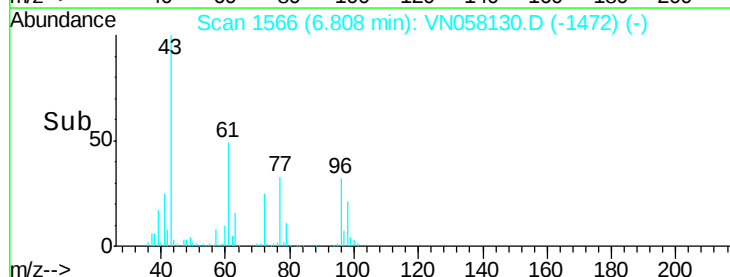
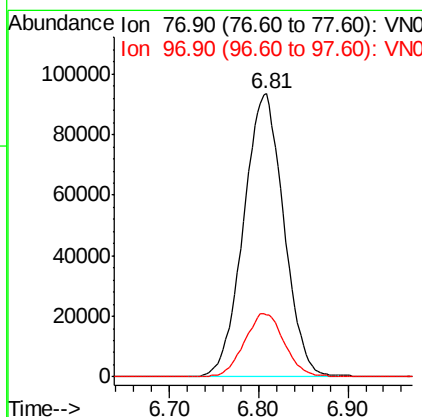
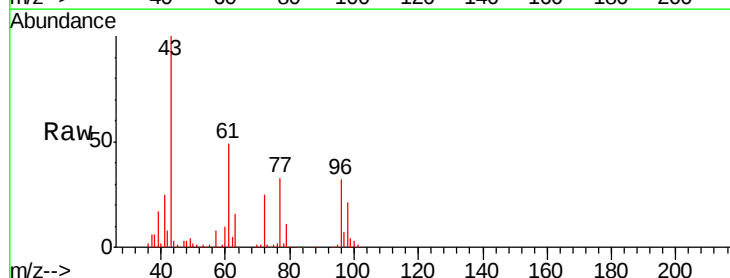
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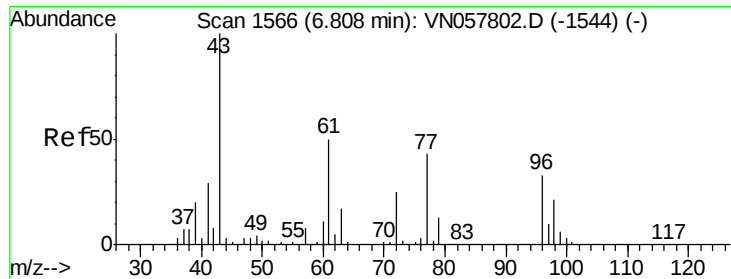
MMDadoda
9/18/2019 2:56:34 PM



#26
2,2-Dichloropropane
Concen: 43.393 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 77 Resp: 292984
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 53.132 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

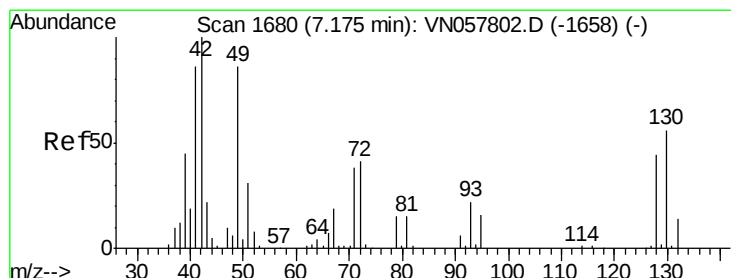
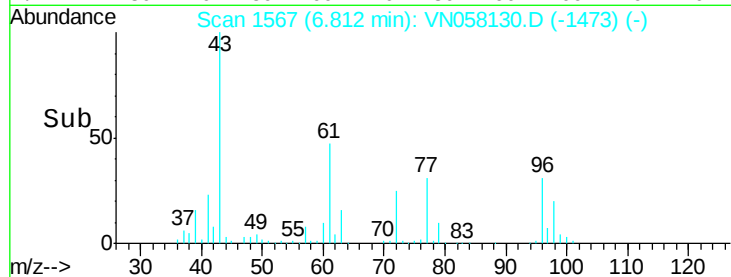
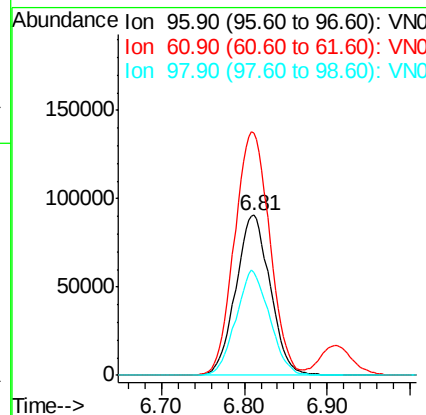
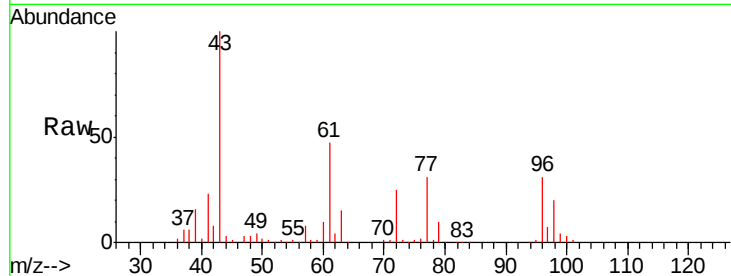
ClientSampleId :

VE-4-11MS

Tgt Ion:	96	Resp:	261823
Ion Ratio	Lower	Upper	
96	100		
61	155.5	0.0	314.0
98	64.1	0.0	128.6

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#28

Bromochloromethane

Concen: 53.689 ug/l

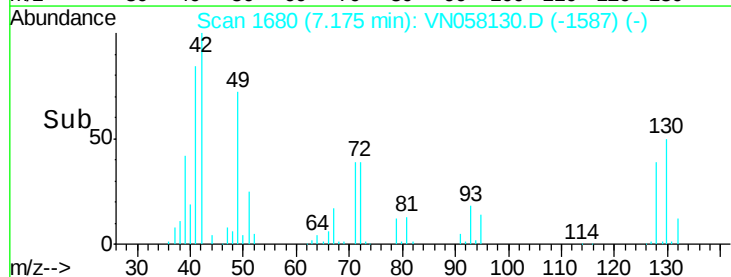
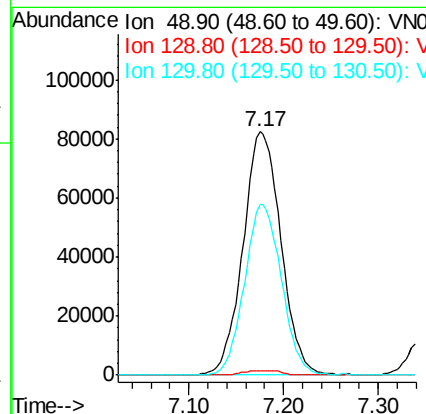
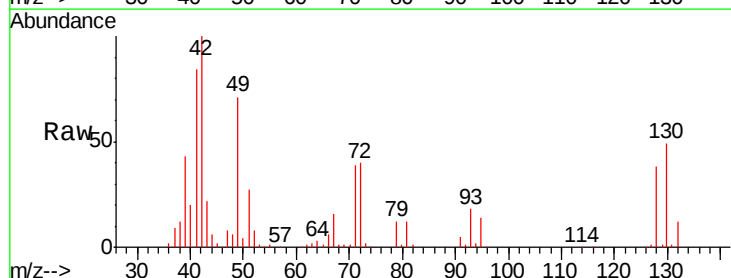
RT: 7.17 min Scan# 1680

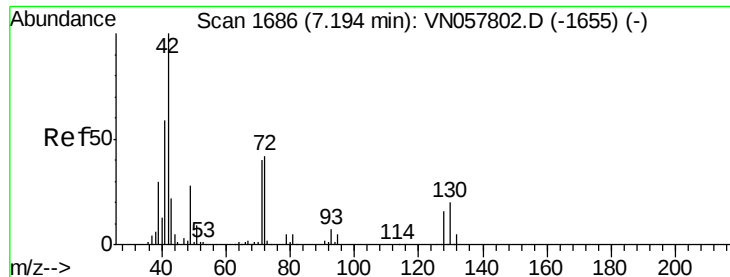
Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion:	49	Resp:	228842
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.8
130	68.1	53.0	79.6





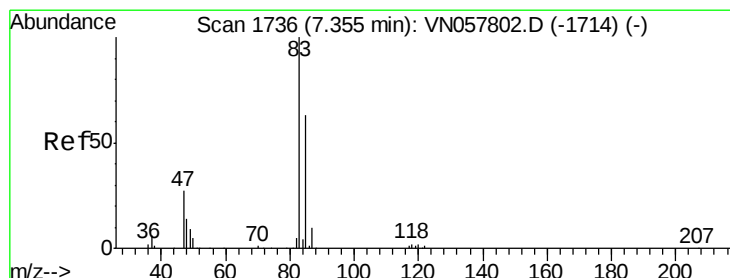
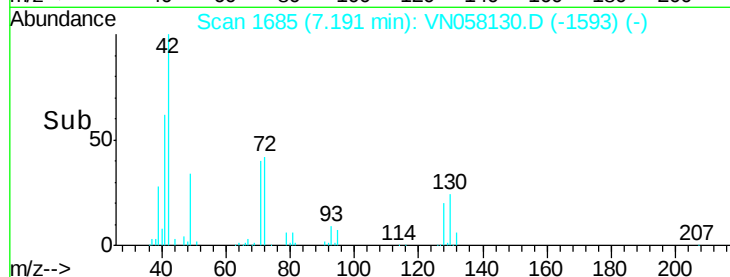
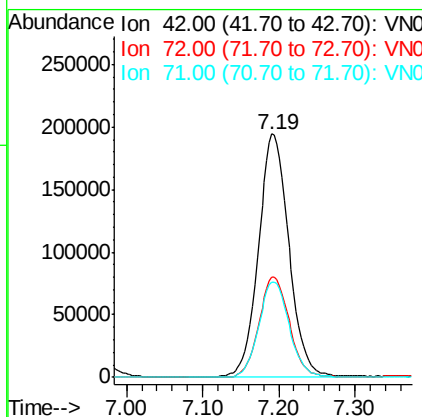
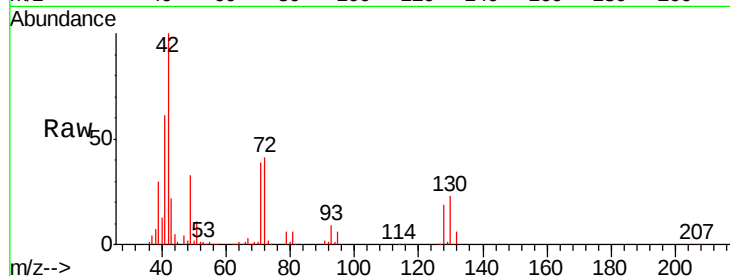
#29
Tetrahydrofuran
Concen: 284.700 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.7	50.5
71	39.5	31.9	47.9

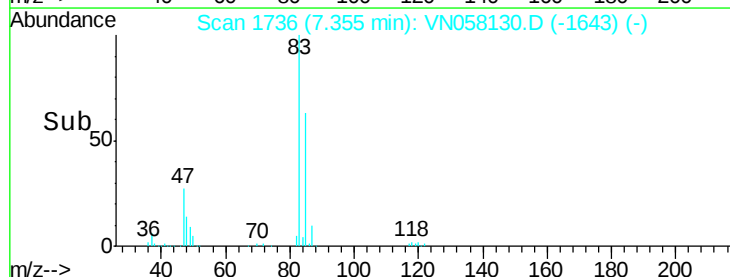
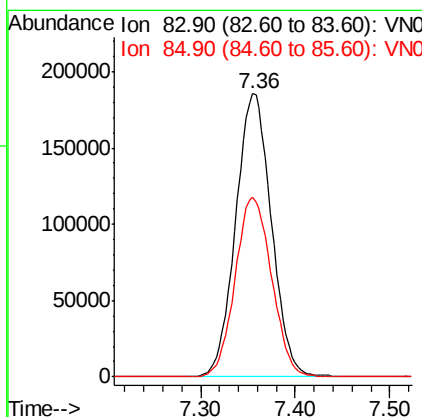
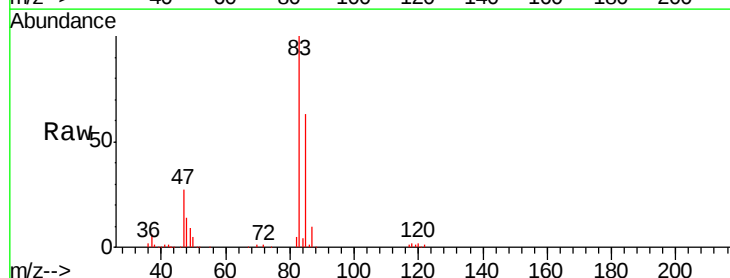
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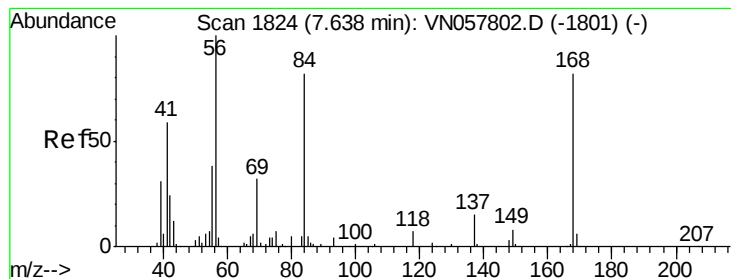
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#30
Chloroform
Concen: 54.673 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	75.8





#31

Cyclohexane

Concen: 52.807 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MS

Tgt Ion: 56 Resp: 306293
Ion Ratio Lower Upper

56 100

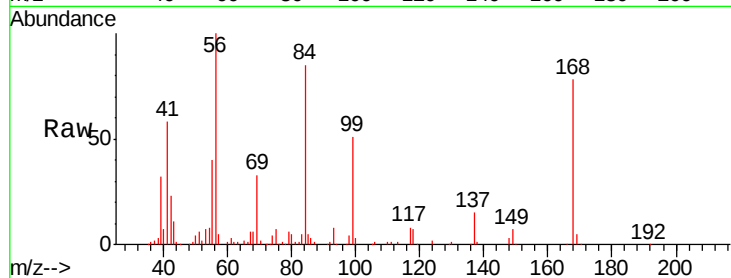
69 33.1 25.9 38.9

84 82.6 65.6 98.4

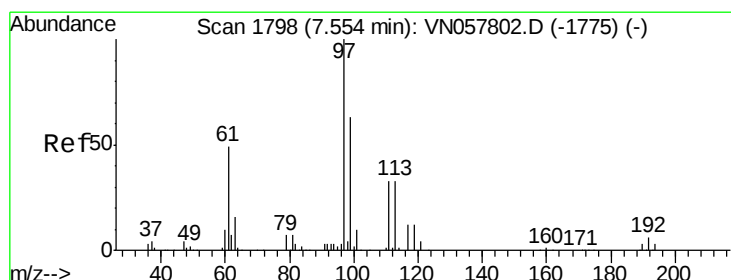
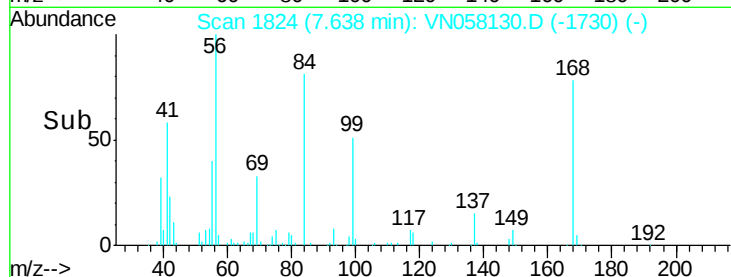
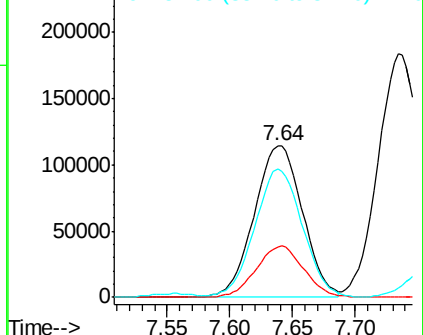
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 54.068 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058130.D

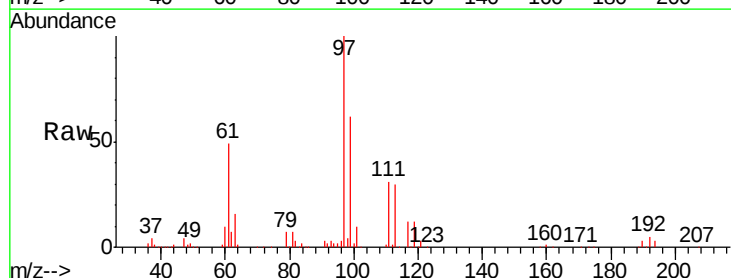
Acq: 16 Sep 2019 19:25

Tgt Ion: 97 Resp: 382533
Ion Ratio Lower Upper

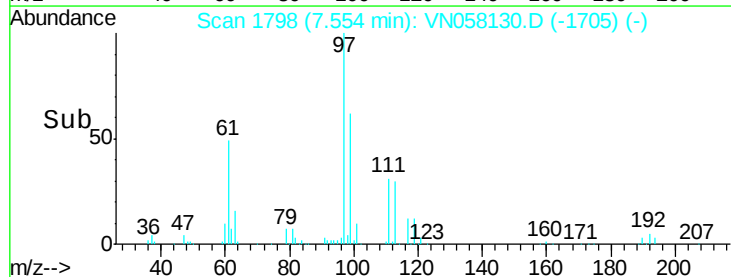
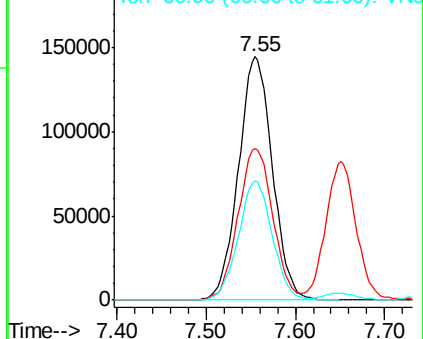
97 100

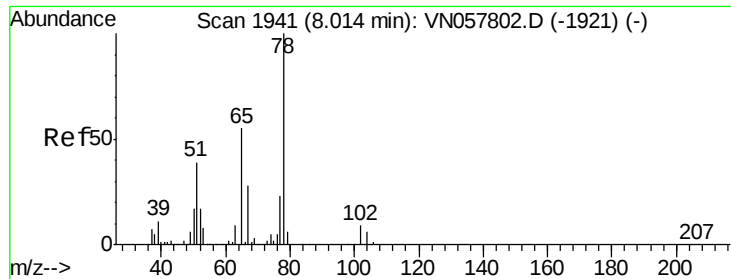
99 63.8 51.0 76.4

61 48.9 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





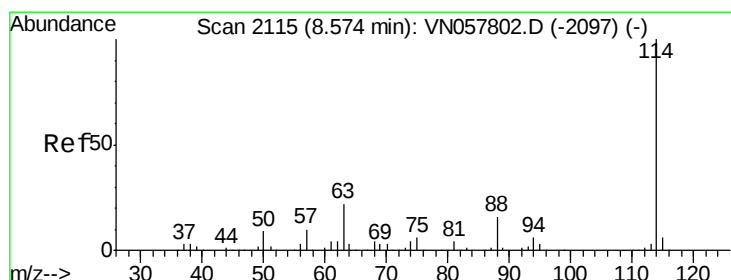
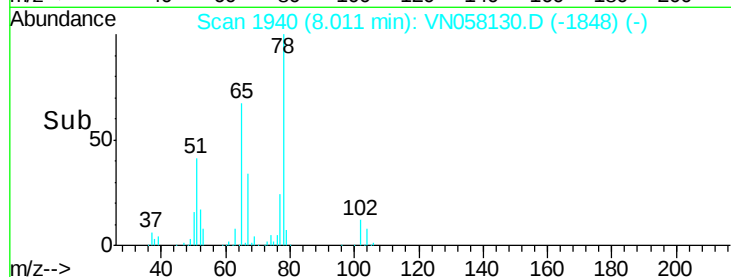
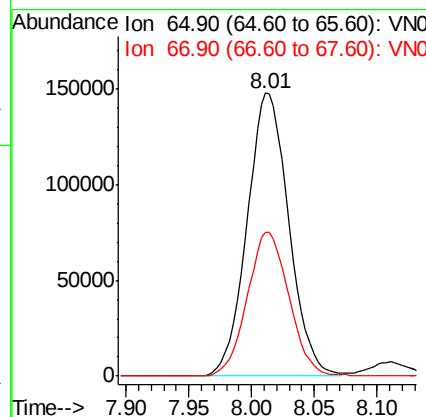
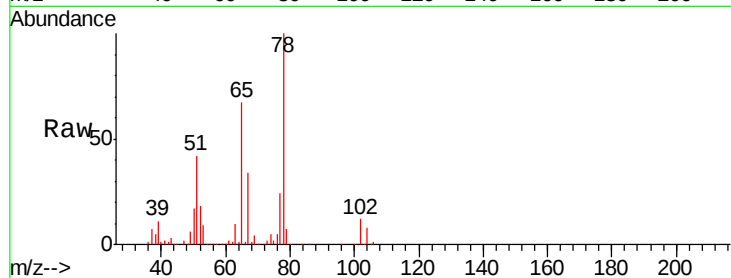
#33
 1,2-Dichloroethane-d4
 Concen: 52.814 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion: 65 Resp: 341718
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0

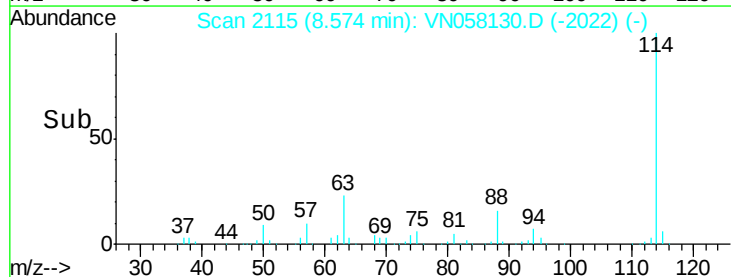
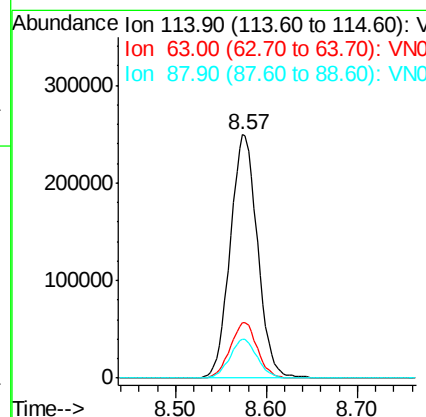
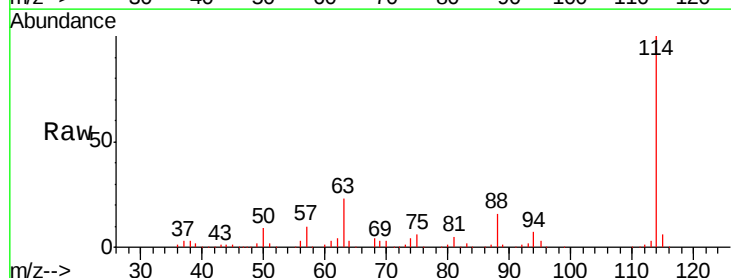
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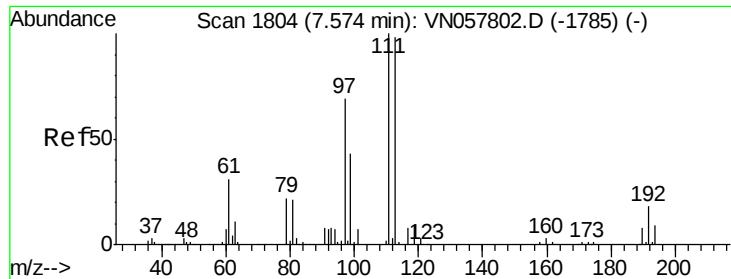
MMDadoda
 9/18/2019 2:56:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 114 Resp: 520045
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.0
 88 16.1 0.0 31.4





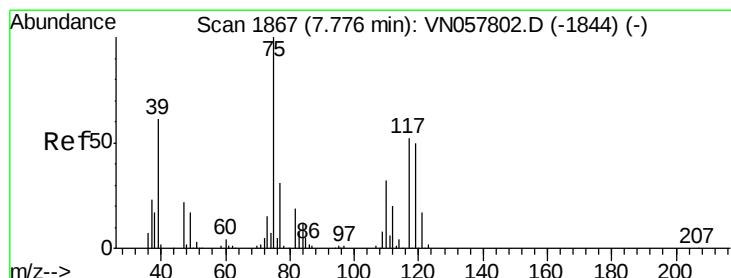
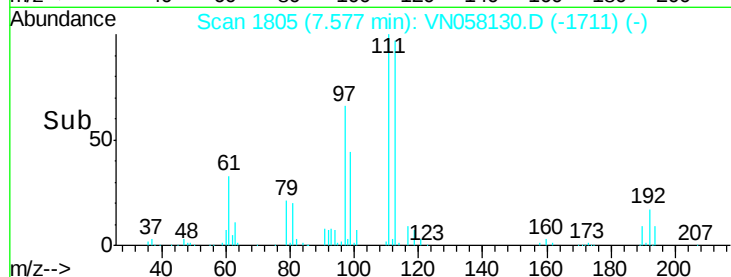
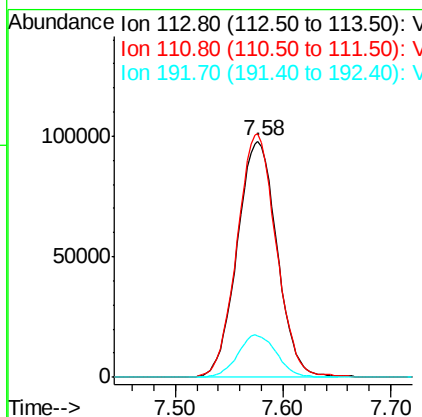
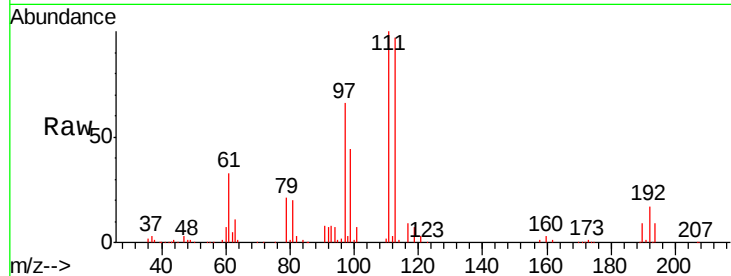
#35
 Dibromofluoromethane
 Concen: 52.318 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	251114		
111	101.9	81.3	121.9	
192	17.7	14.6	22.0	

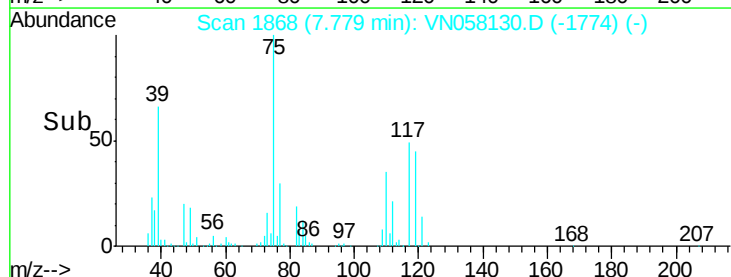
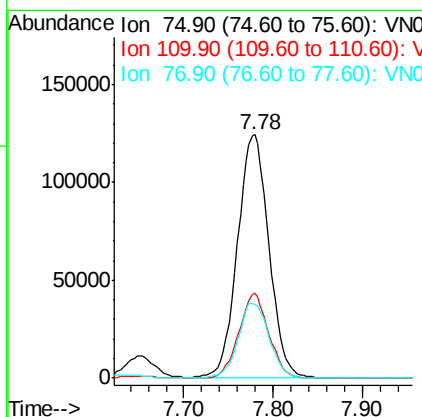
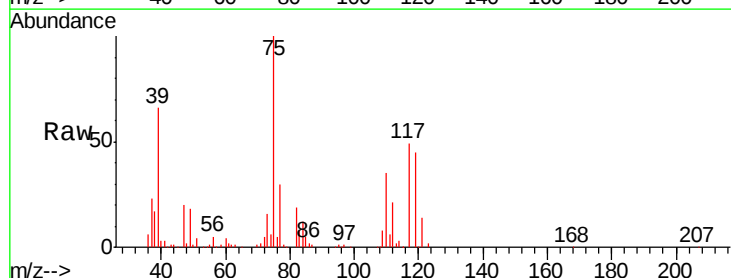
Manual Integrations
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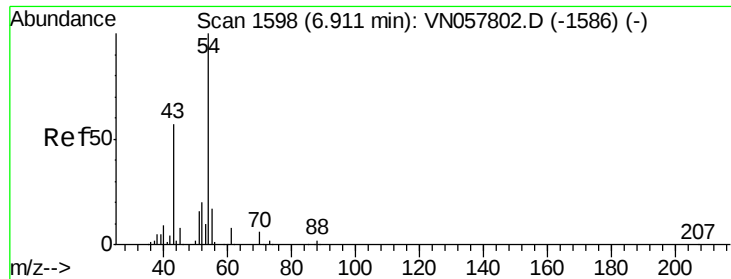
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#36
 1,1-Dichloropropene
 Concen: 49.966 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	301352		
110	33.1	16.3	48.9	
77	30.7	25.0	37.4	





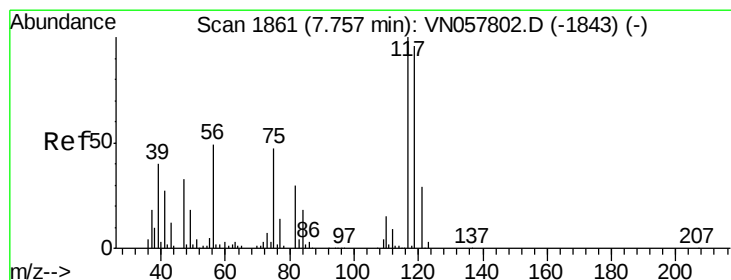
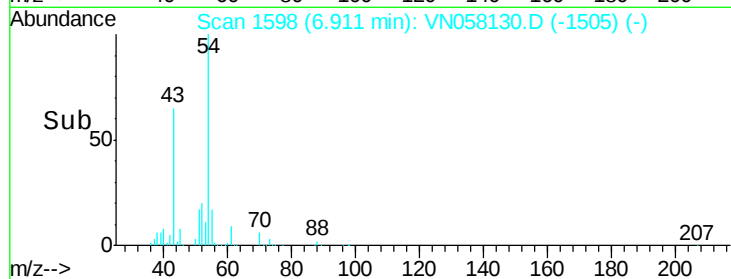
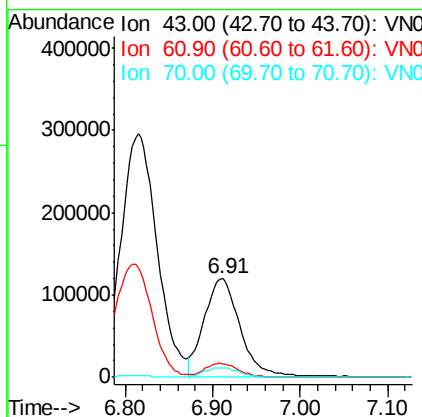
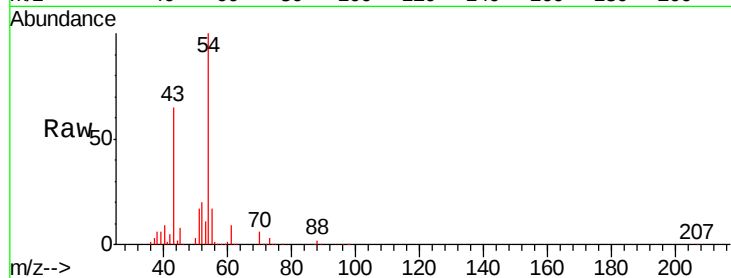
#37
Ethyl Acetate
Concen: 54.155 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.5	7.4	11.0

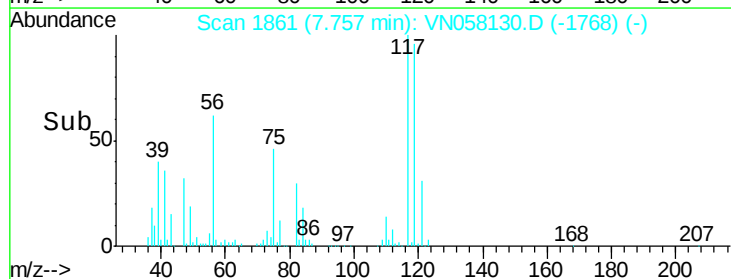
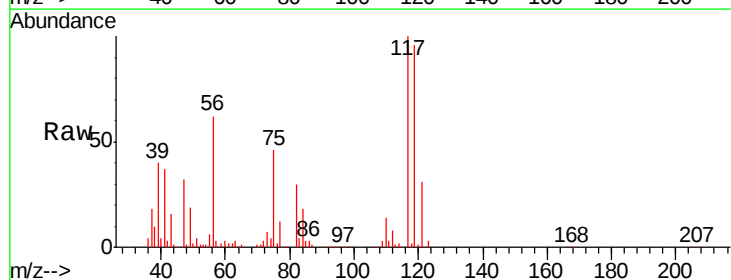
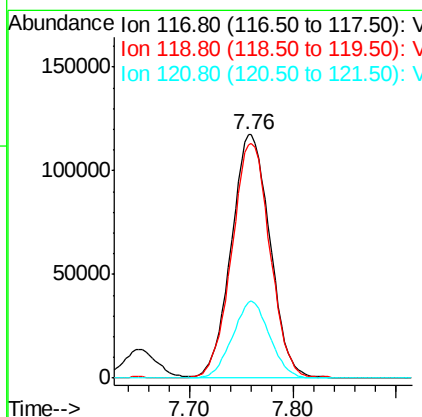
Manual Integrations
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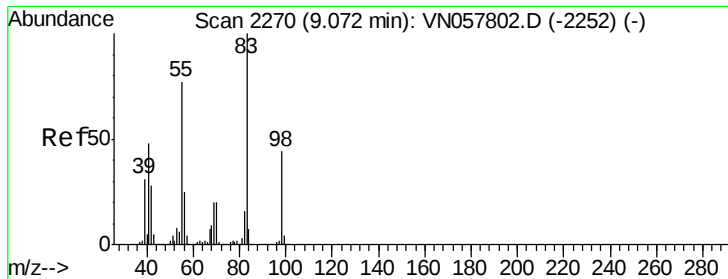
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#38
Carbon Tetrachloride
Concen: 55.428 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	31.1	23.4	35.2





#39

Methylcyclohexane

Concen: 46.930 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

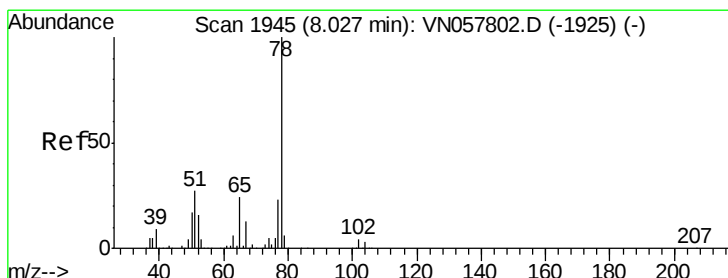
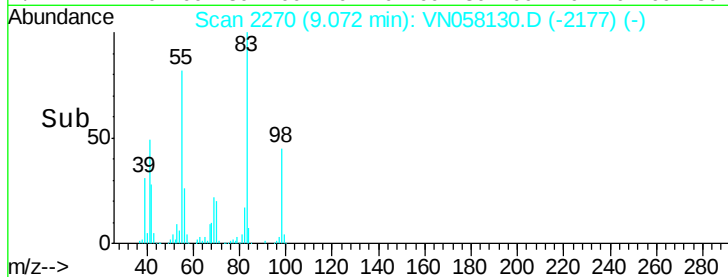
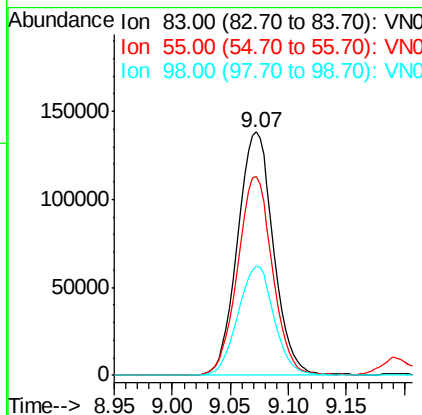
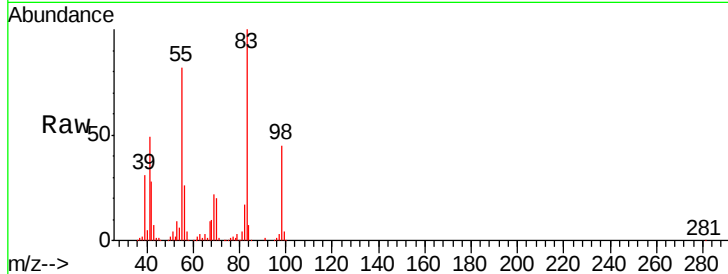
ClientSampleId :

VE-4-11MS

Tgt Ion:	83	Resp:	297544
Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.6	92.4
98	44.9	34.9	52.3

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#40

Benzene

Concen: 52.826 ug/l

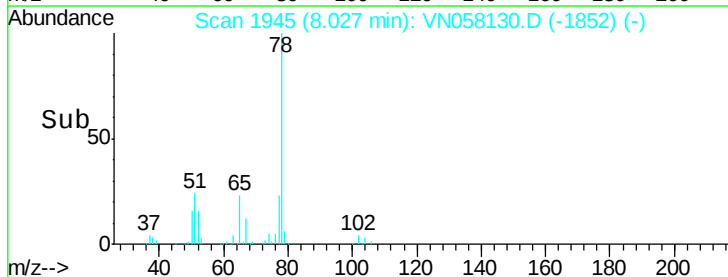
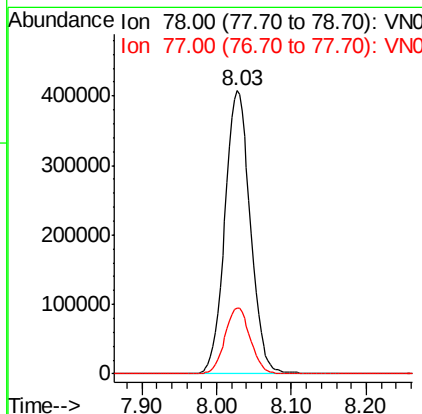
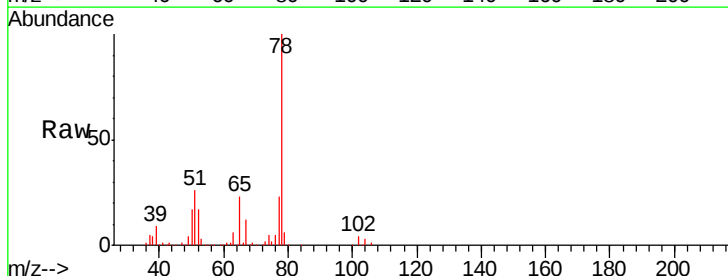
RT: 8.03 min Scan# 1945

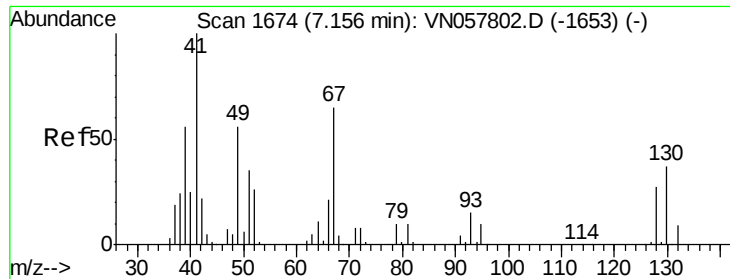
Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion:	78	Resp:	959202
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





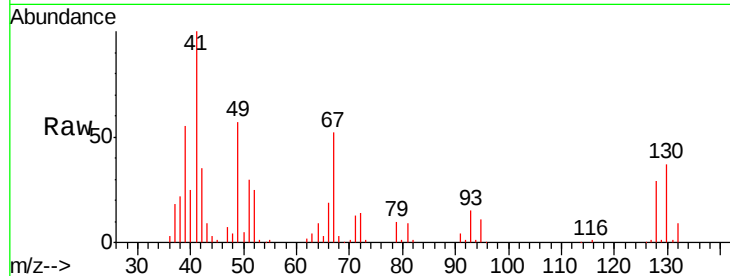
#41
Methacrylonitrile
Concen: 59.856 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.2	51.0	76.6
67	80.6	70.7	106.1
52	37.0	30.8	46.2

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9/18/2019 2:56:34 PM

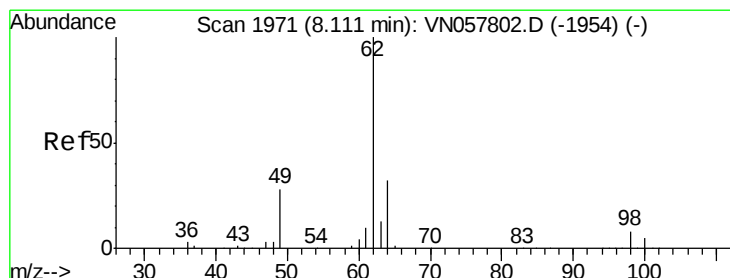
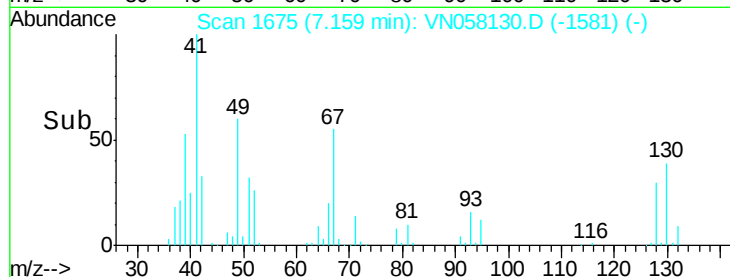
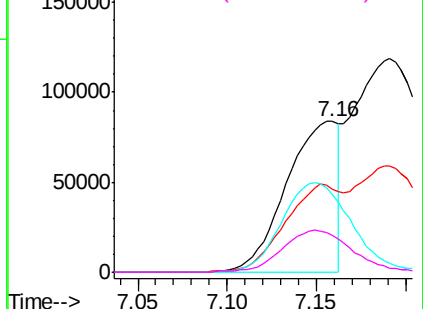


Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-1653) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-1653) (-)

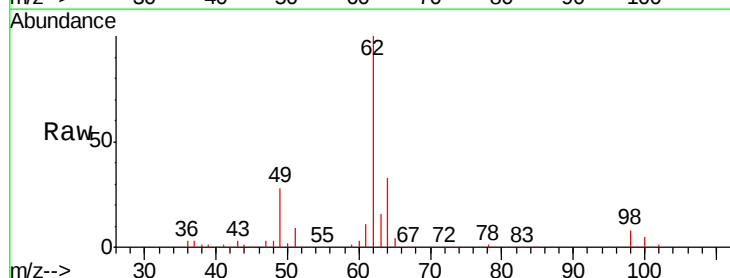
Ion 67.00 (66.70 to 67.70): VN057802.D (-1653) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-1653) (-)



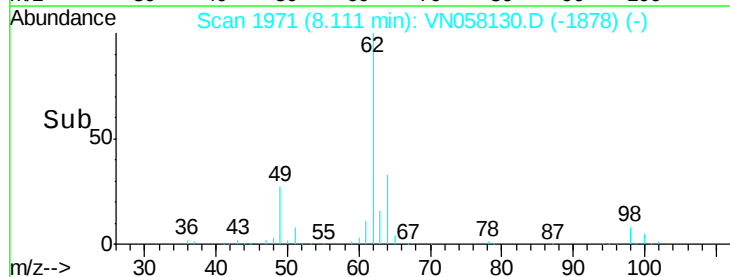
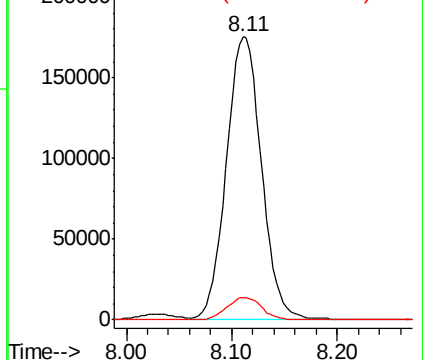
#42
1,2-Dichloroethane
Concen: 55.462 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

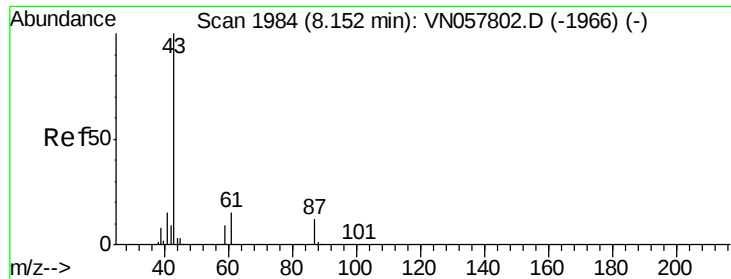
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1954) (-)





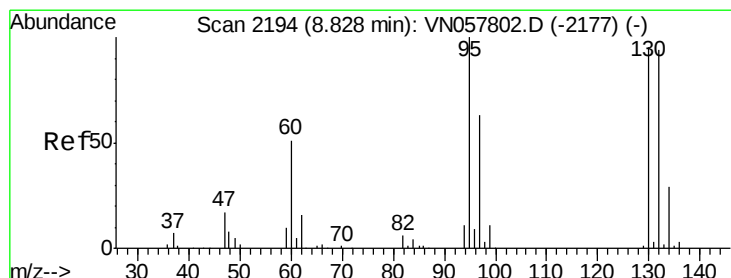
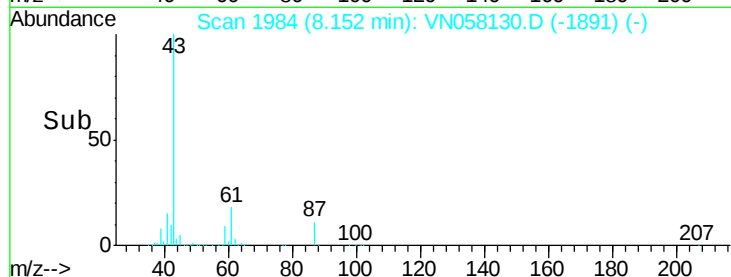
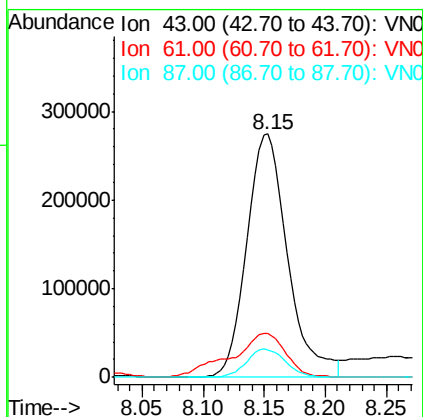
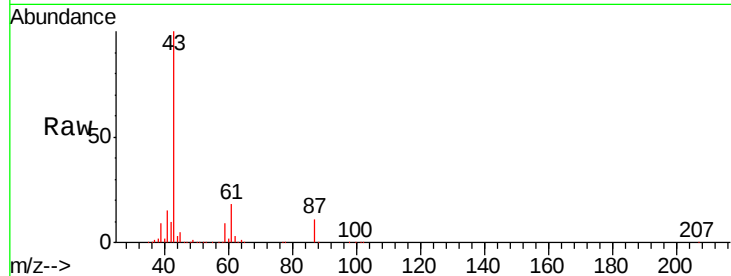
#43
Isopropyl Acetate
Concen: 60.492 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.0	20.1	30.1
87	11.1	9.5	14.3

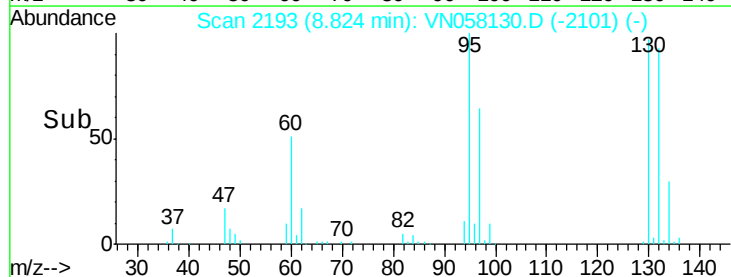
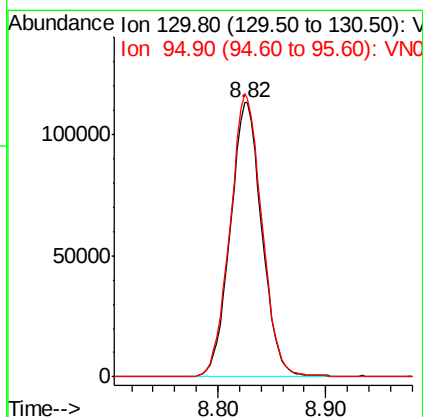
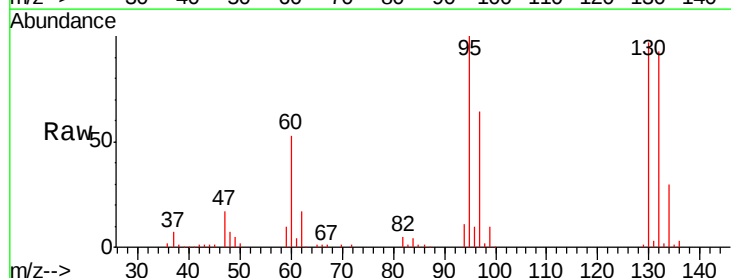
Manual Integrations
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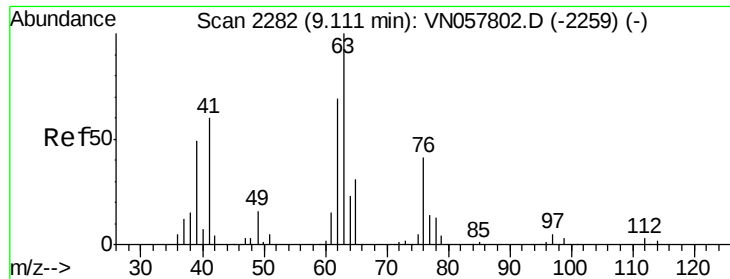
MMDadoda
9/18/2019 2:56:34 PM



#44
Trichloroethene
Concen: 51.884 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	211.4





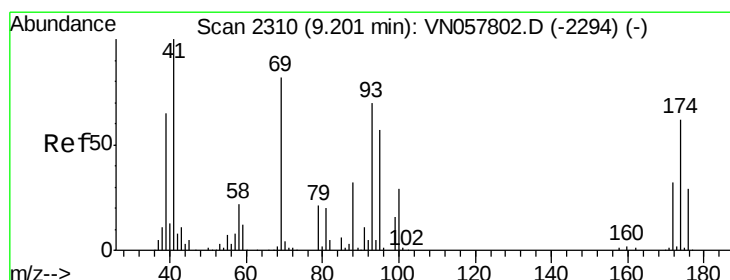
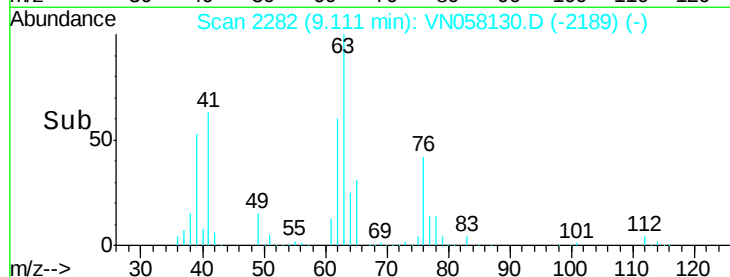
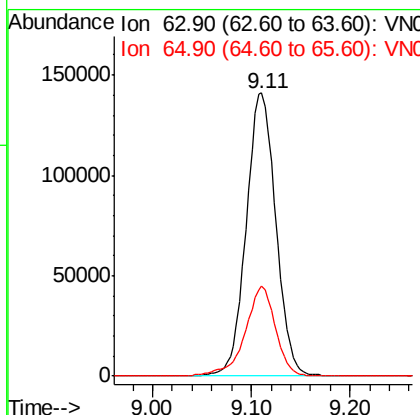
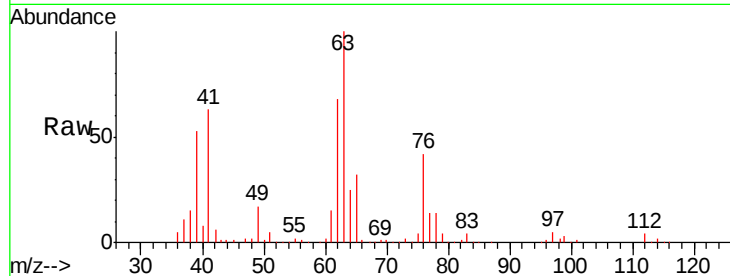
#45
 1,2-Dichloropropane
 Concen: 55.356 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion: 63 Resp: 292479
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2

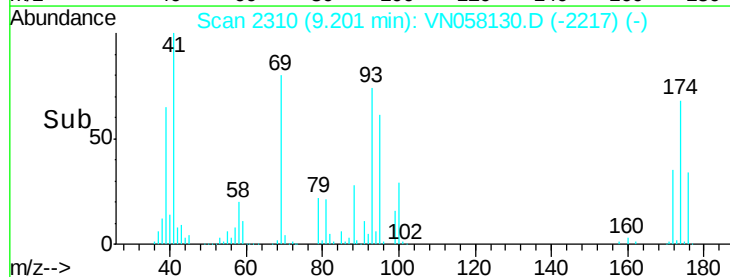
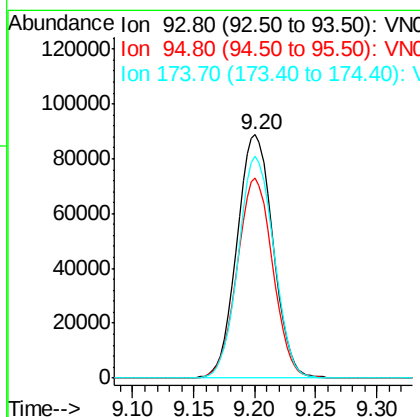
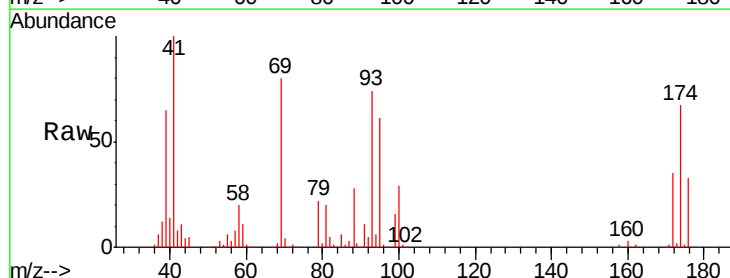
Manual Integrations
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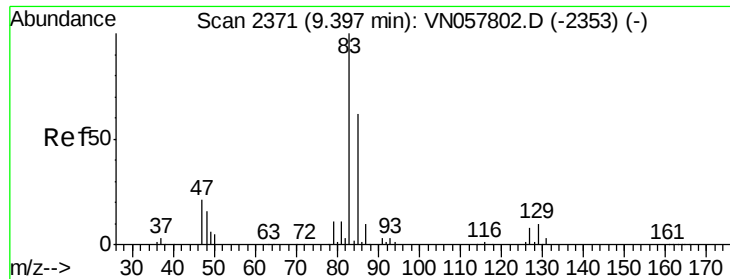
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 9/18/2019 2:56:34 PM



#46
 Dibromomethane
 Concen: 56.824 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion: 93 Resp: 181428
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.9 98.9
 174 89.9 71.8 107.6





#47

Bromodichloromethane

Concen: 58.669 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

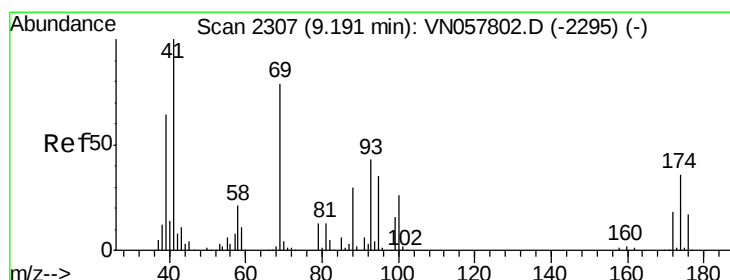
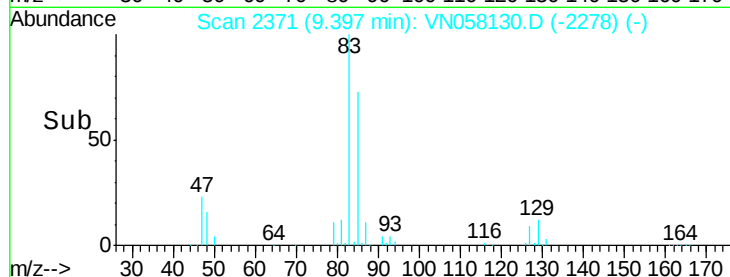
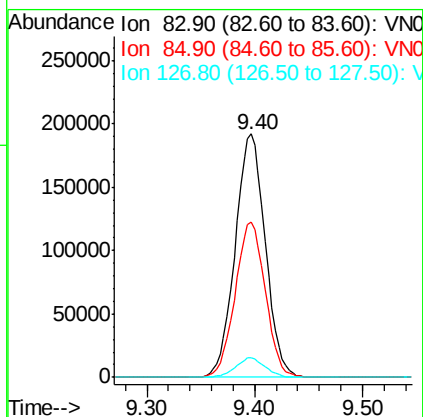
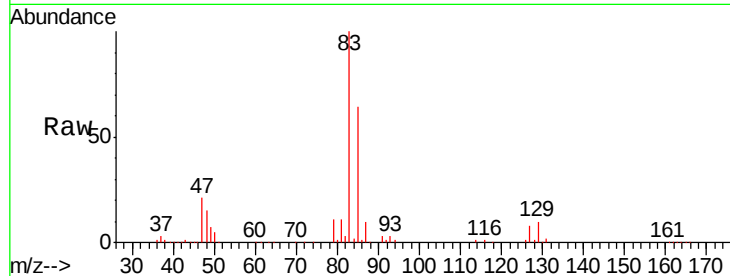
ClientSampled :

VE-4-11MS

Tgt Ion:	83	Resp:	374056
Ion Ratio	Lower	Upper	
83	100		
85	63.7	49.9	74.9
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.318 ug/l

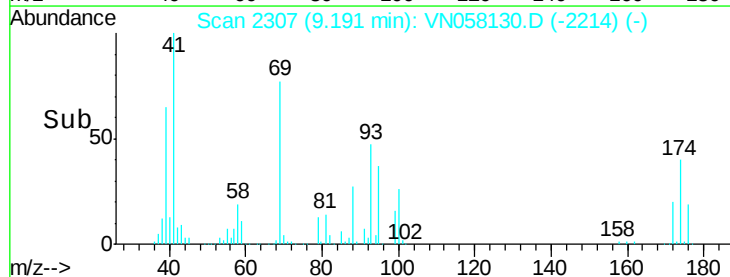
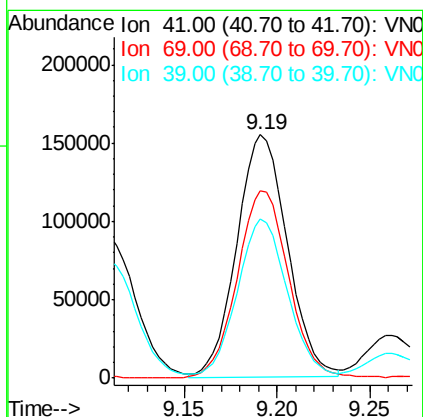
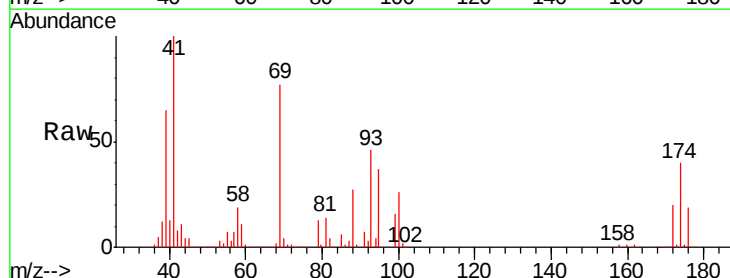
RT: 9.19 min Scan# 2307

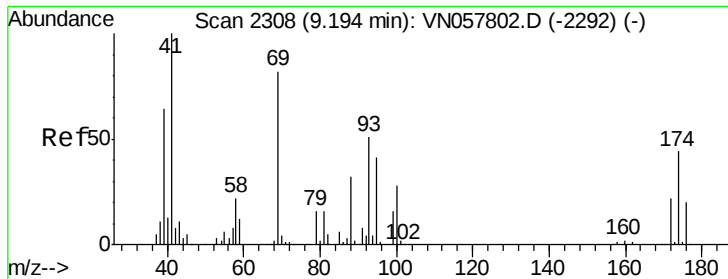
Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion:	41	Resp:	294053
Ion Ratio	Lower	Upper	
41	100		
69	78.4	62.7	94.1
39	65.0	52.7	79.1





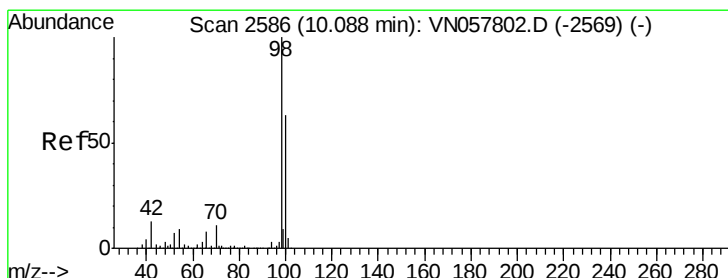
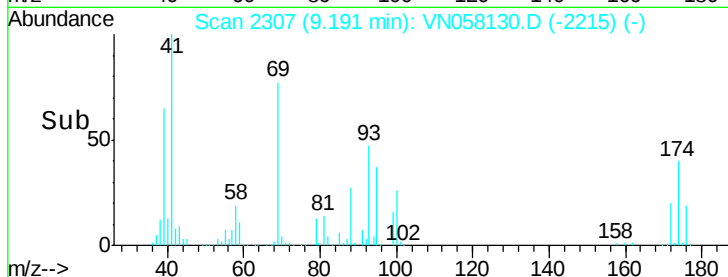
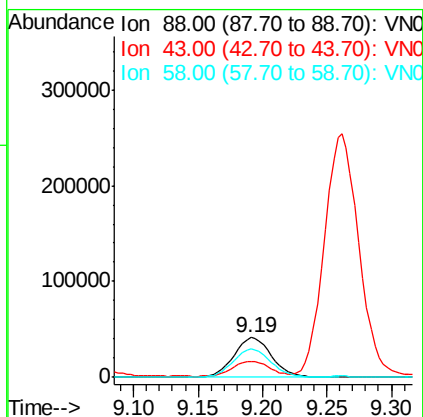
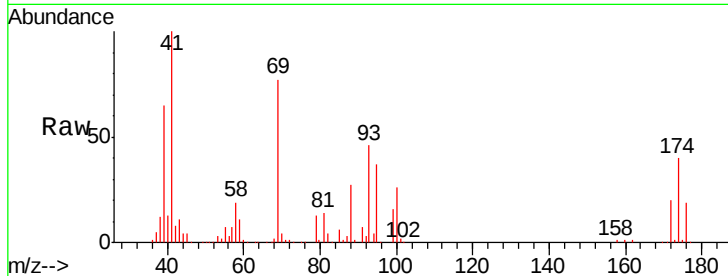
#49
 1,4-Dioxane
 Concen: 940.761 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	84567		
43	37.2	28.5	42.7	
58	72.2	55.8	83.6	

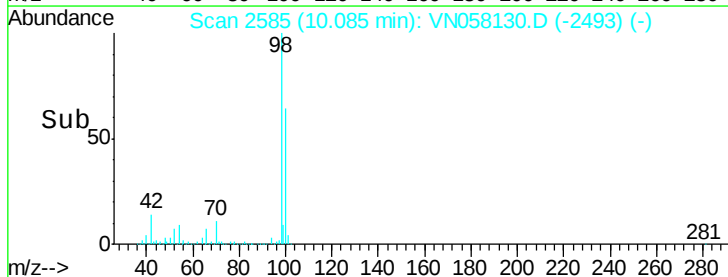
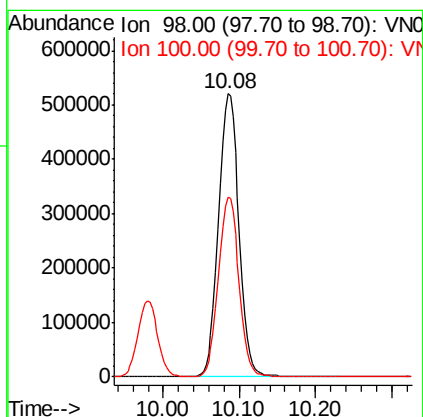
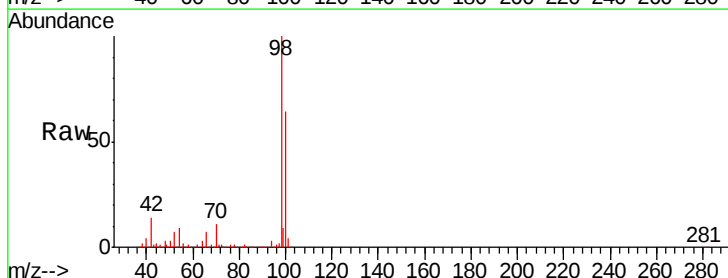
Manual Integrations
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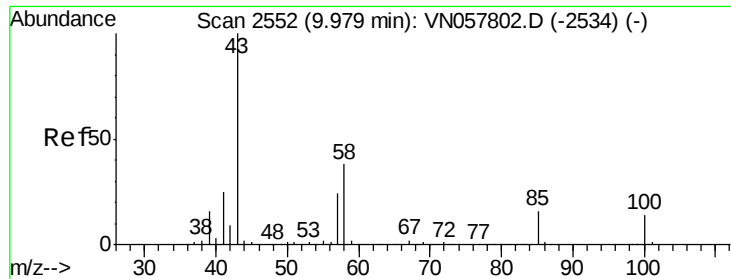
MMDadoda
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#50
 Toluene-d8
 Concen: 52.188 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	972539		
100	63.6	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 305.019 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MS

Tgt Ion: 43 Resp: 1891469

Ion Ratio Lower Upper

43 100

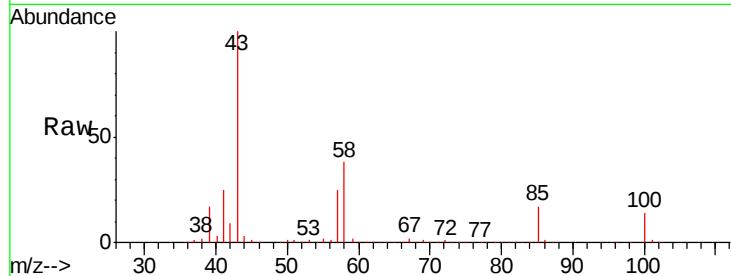
58 37.5 29.8 44.6

Manual Integrations

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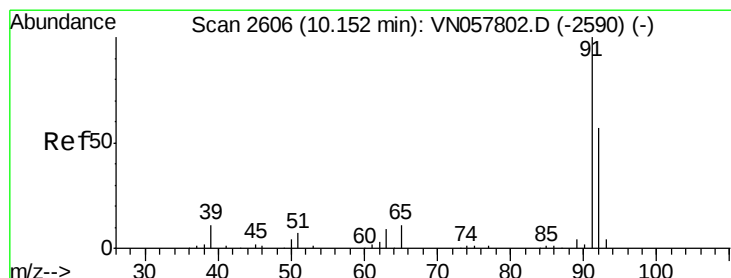
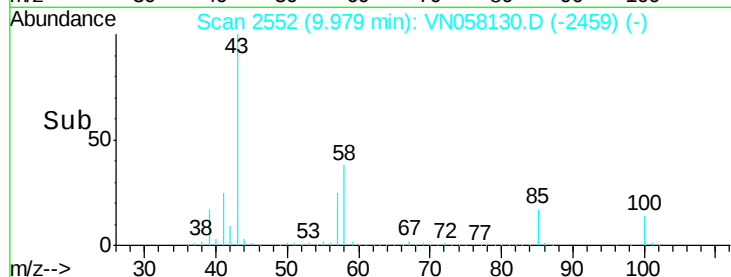
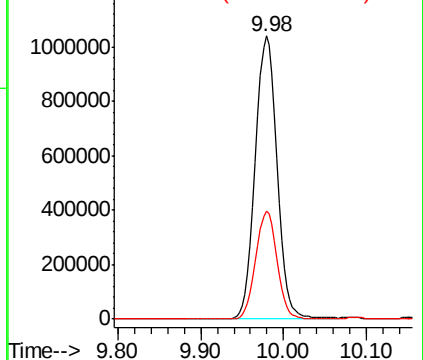
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.723 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058130.D

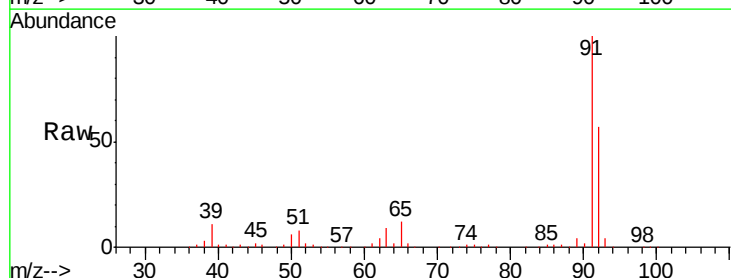
Acq: 16 Sep 2019 19:25

Tgt Ion: 92 Resp: 602959

Ion Ratio Lower Upper

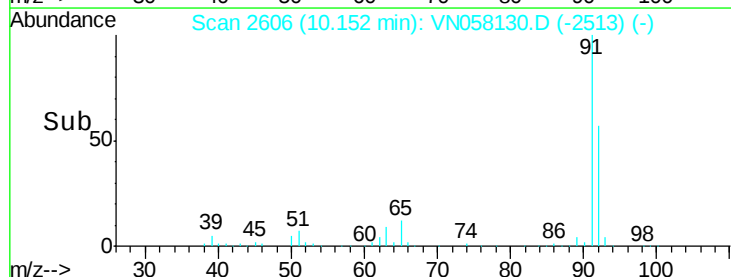
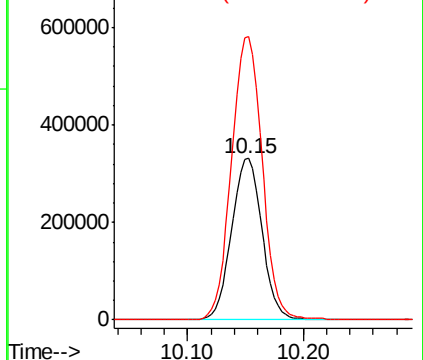
92 100

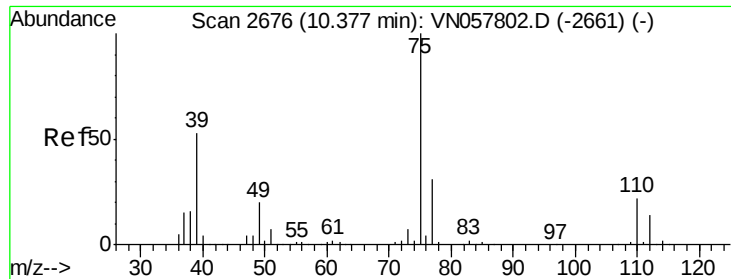
91 177.6 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





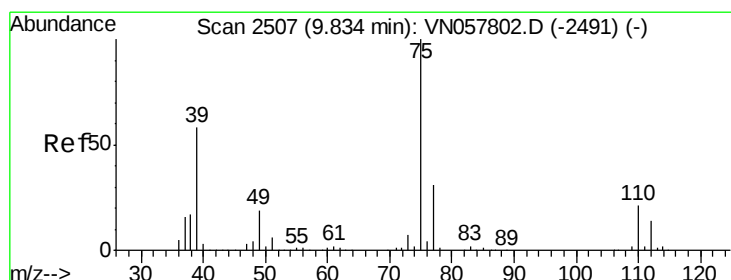
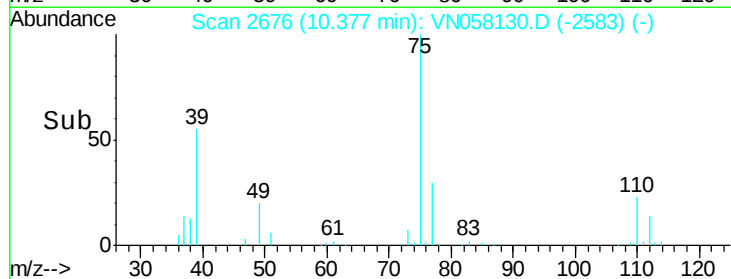
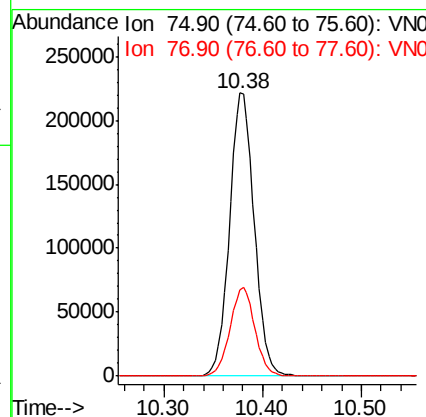
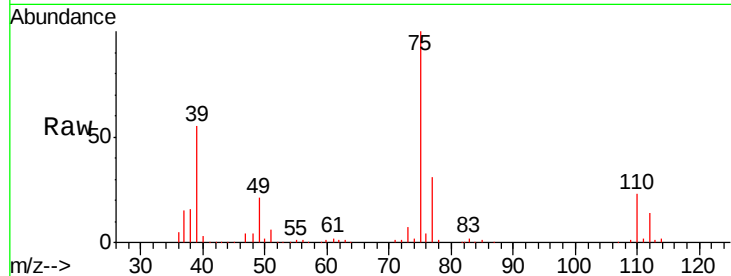
#53
t-1,3-Dichloropropene
Concen: 57.500 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion: 75 Resp: 386050
Ion Ratio Lower Upper
75 100
77 30.5 24.5 36.7

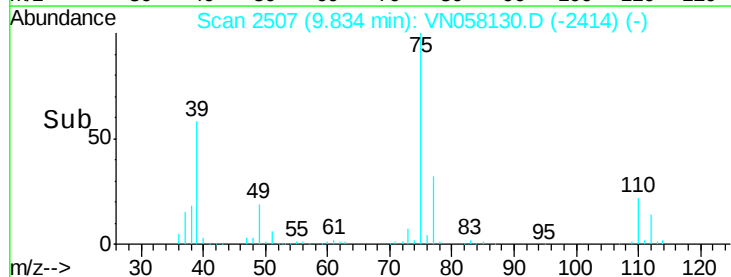
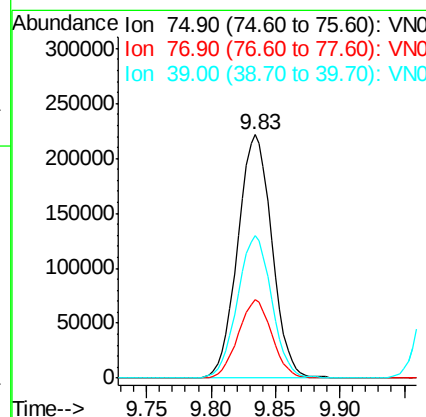
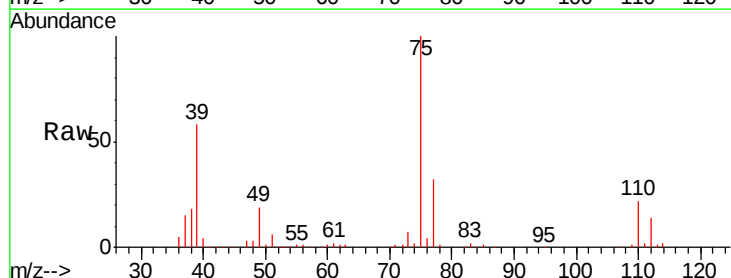
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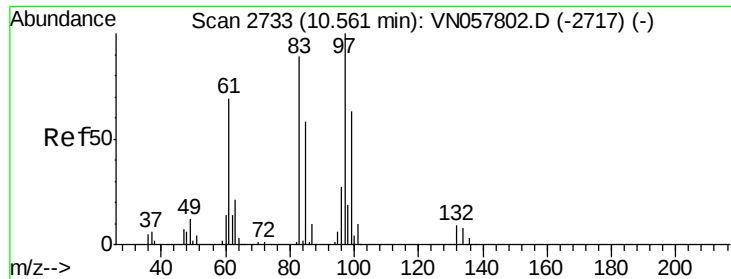
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#54
cis-1,3-Dichloropropene
Concen: 55.156 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion: 75 Resp: 408854
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 58.3 46.2 69.4





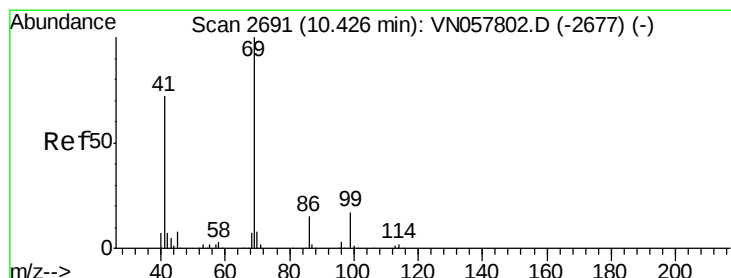
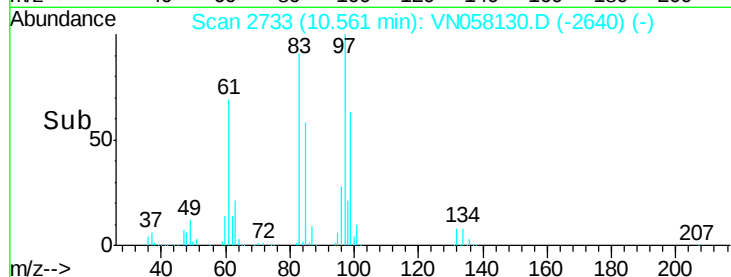
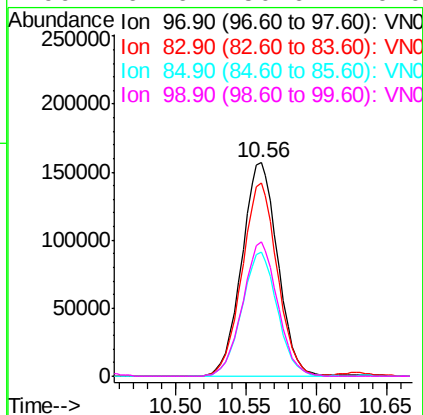
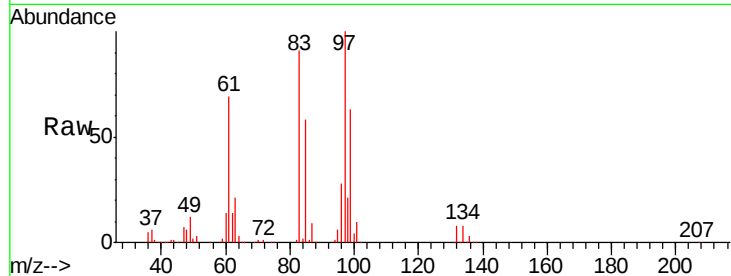
#55
 1,1,2-Trichloroethane
 Concen: 57.901 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	280491		
83	90.7	70.8	106.2	
85	57.9	46.0	69.0	
99	62.6	50.6	76.0	

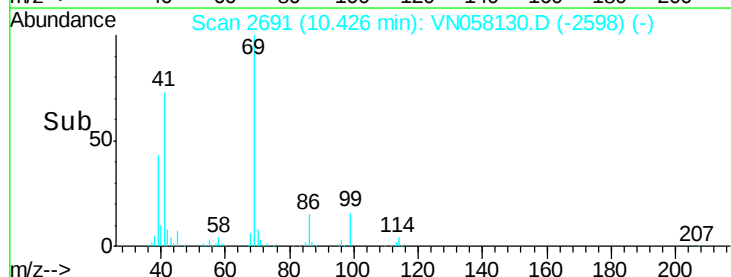
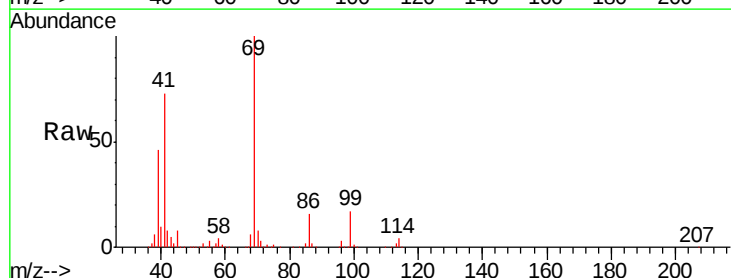
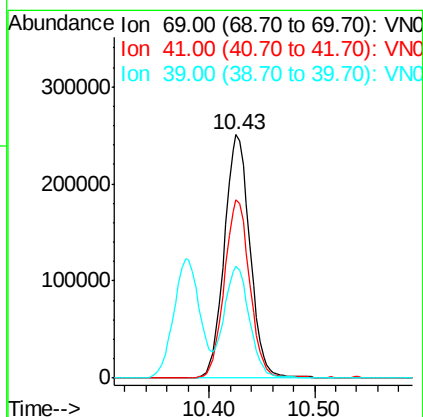
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#56
 Ethyl methacrylate
 Concen: 57.691 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	420857		
41	71.6	56.7	85.1	
39	45.3	36.3	54.5	





#57

1,3-Dichloropropane

Concen: 56.288 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion: 76 Resp: 469925

Ion Ratio Lower Upper

76 100

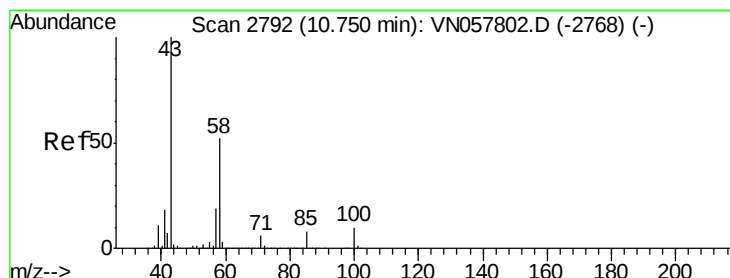
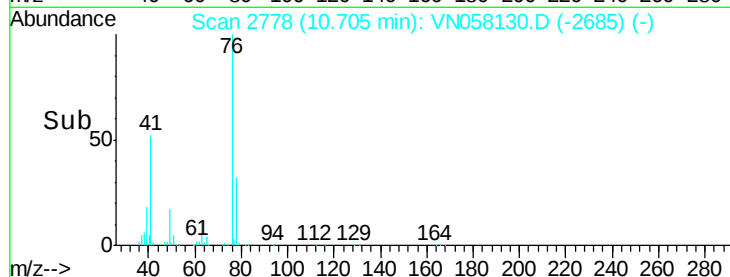
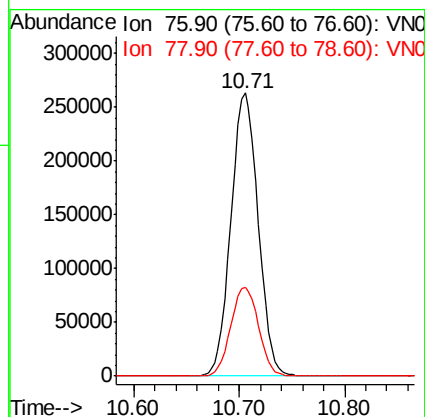
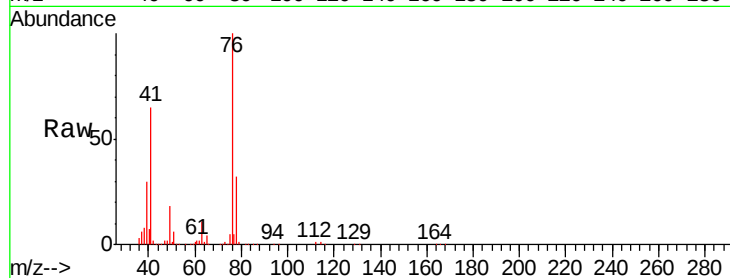
78 32.2 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

9/18/2019 2:56:34 PM



#59

2-Hexanone

Concen: 295.949 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058130.D

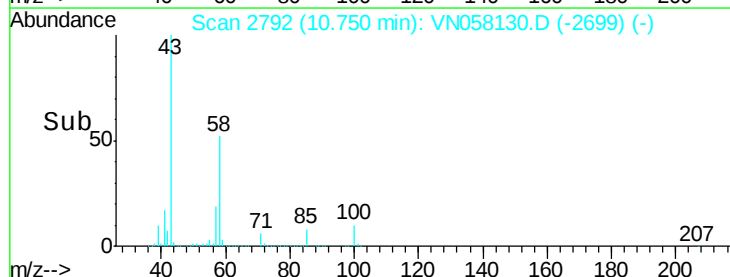
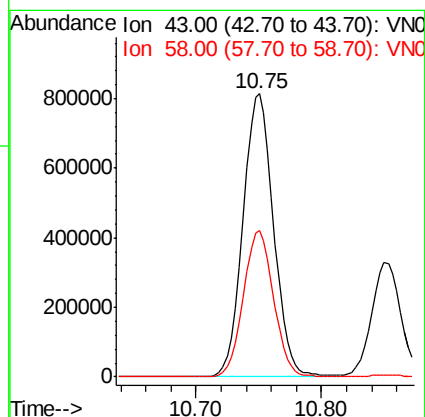
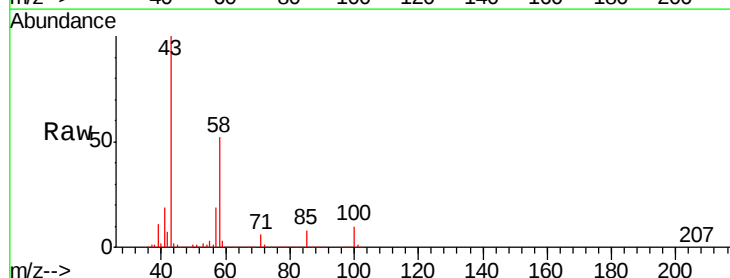
Acq: 16 Sep 2019 19:25

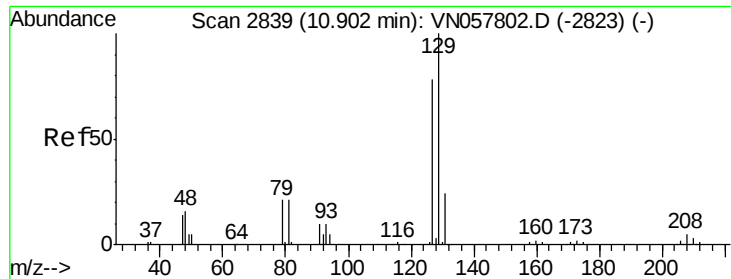
Tgt Ion: 43 Resp: 1375572

Ion Ratio Lower Upper

43 100

58 51.4 25.6 76.8





#60

Dibromochloromethane

Concen: 60.422 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion:129 Resp: 271804

Ion Ratio Lower Upper

129 100

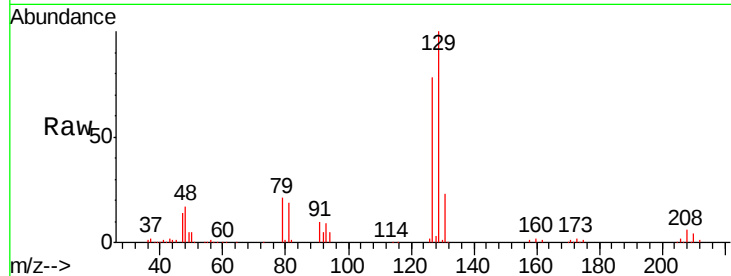
127 77.5 38.6 116.0

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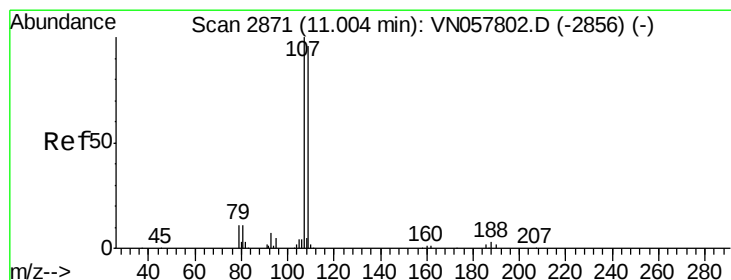
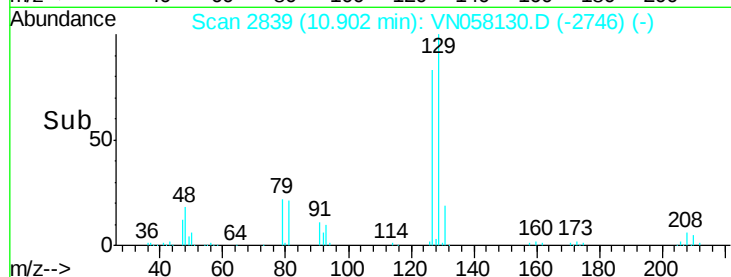
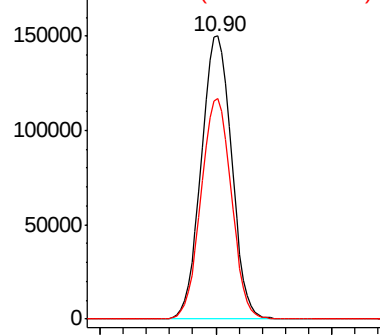
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 57.807 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058130.D

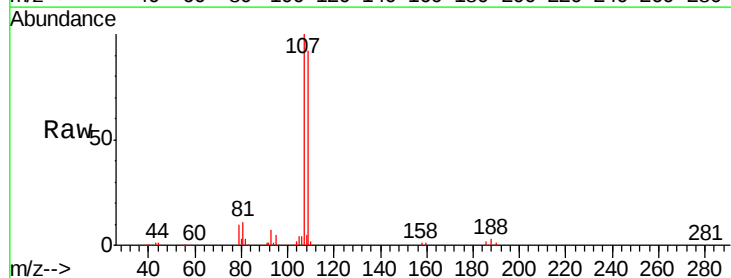
Acq: 16 Sep 2019 19:25

Tgt Ion:107 Resp: 264745

Ion Ratio Lower Upper

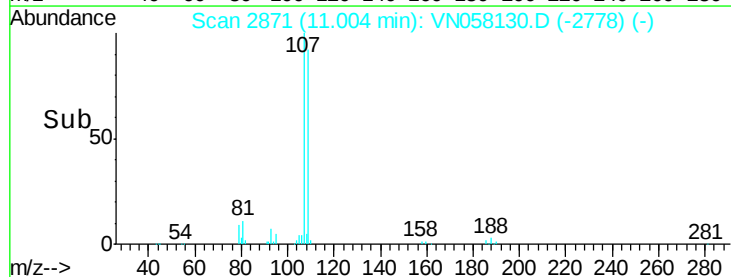
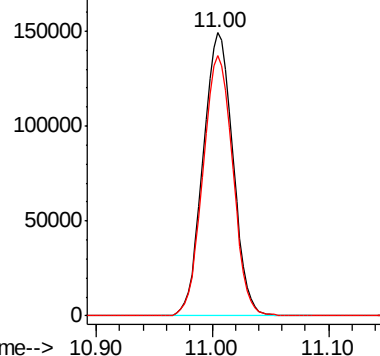
107 100

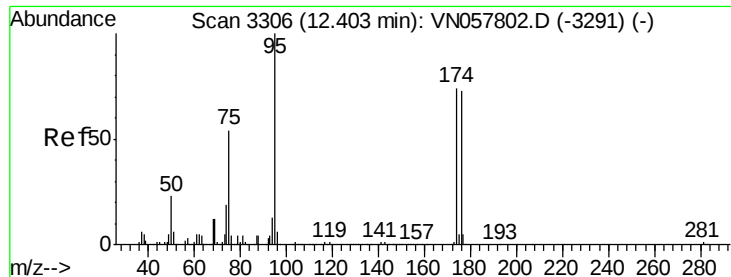
109 91.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





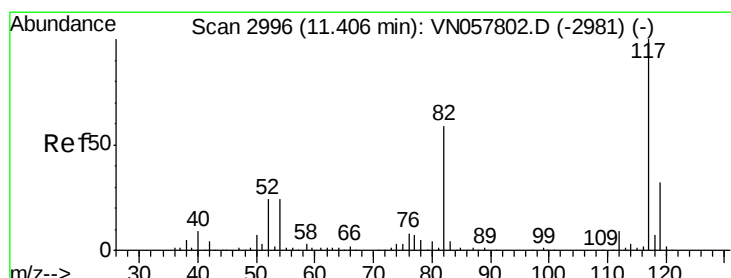
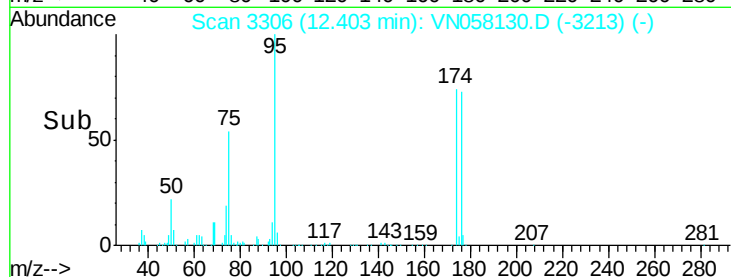
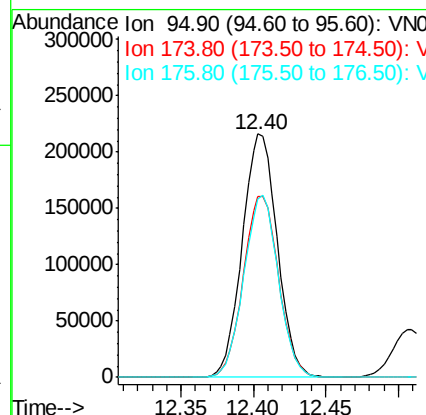
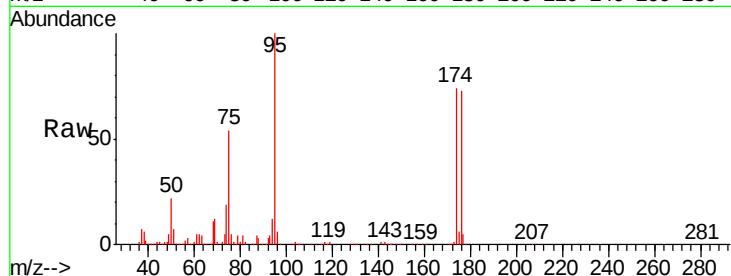
#62
4-Bromofluorobenzene
Concen: 51.133 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	363132		
174	75.1	0.0	150.2	
176	73.8	0.0	146.0	

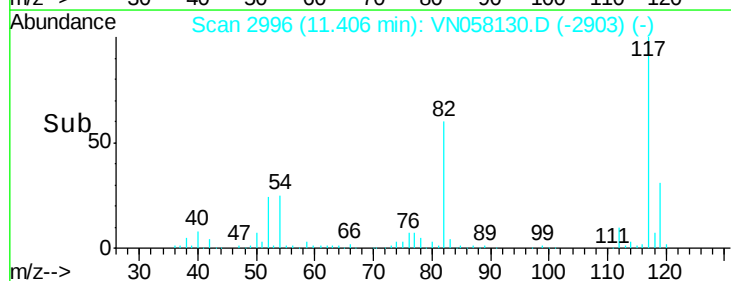
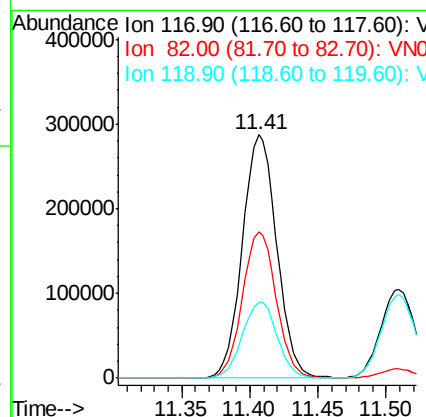
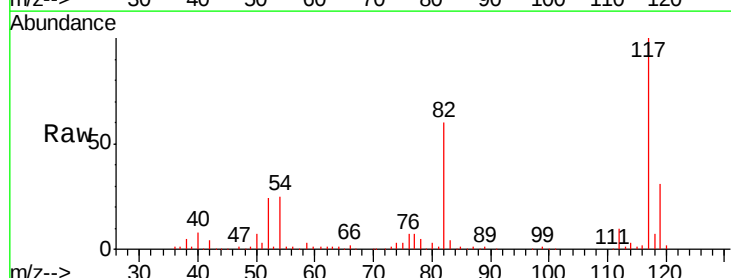
Manual Integrations
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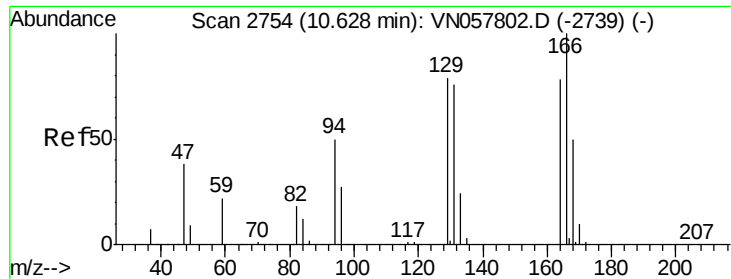
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	502788		
82	60.1	47.2	70.8	
119	31.3	25.3	37.9	





#64

Tetrachloroethene

Concen: 49.236 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

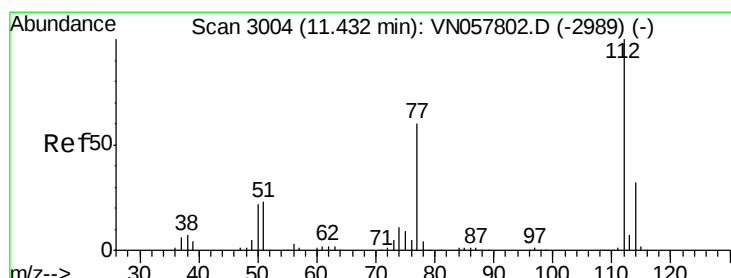
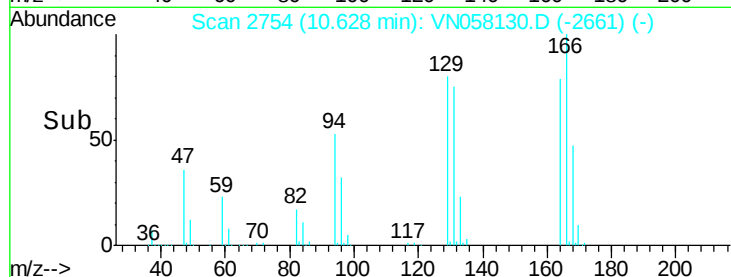
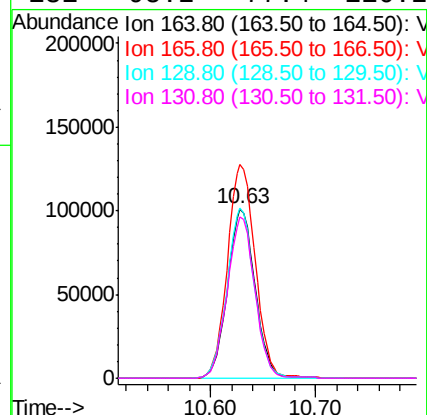
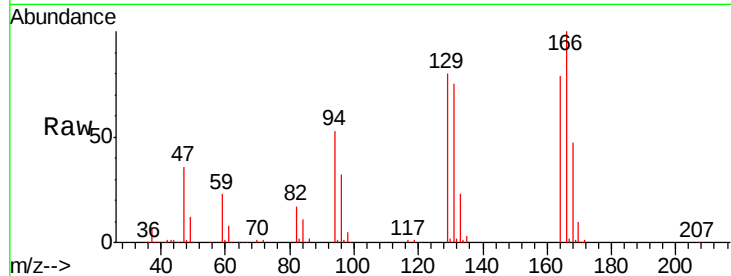
ClientSampleId :

VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182781		
166	126.3	102.2	153.2	
129	100.8	80.8	121.2	
131	95.2	77.4	116.2	

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#65

Chlorobenzene

Concen: 53.207 ug/l

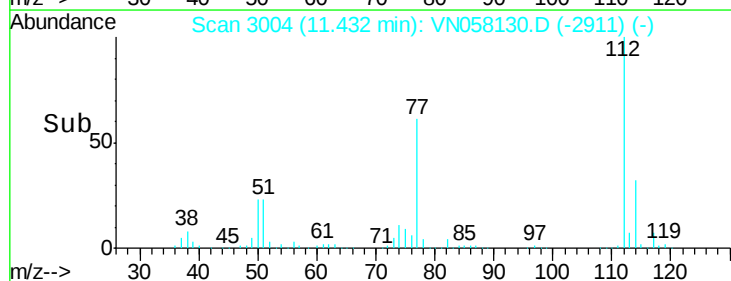
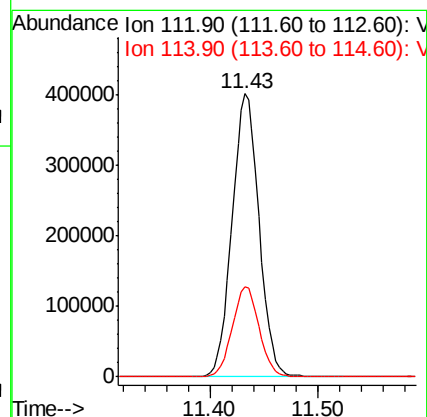
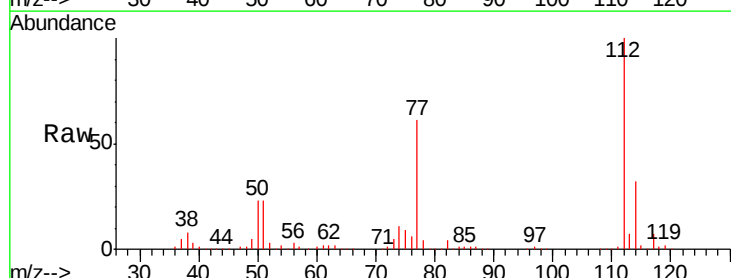
RT: 11.43 min Scan# 3004

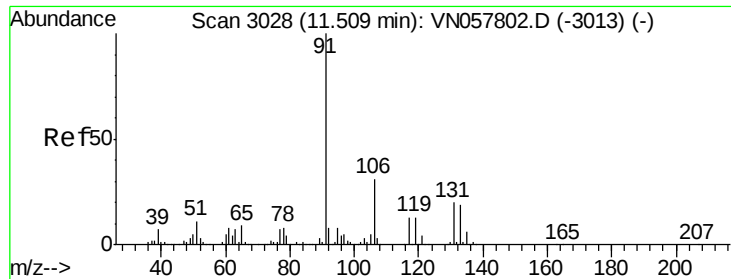
Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	700110		
114	31.9	25.2	37.8	





#66

1,1,1,2-Tetrachloroethane

Concen: 58.067 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

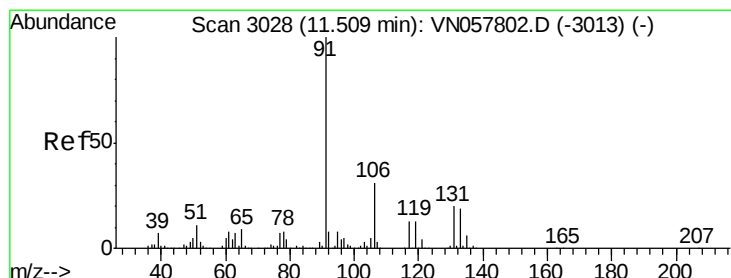
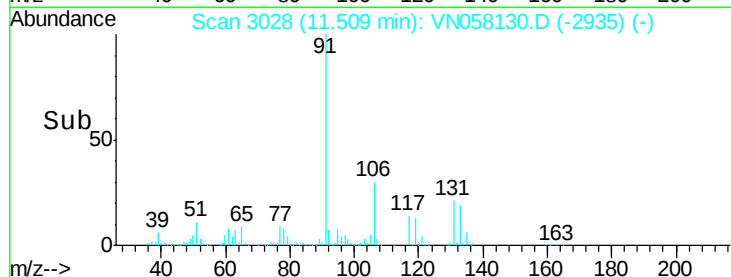
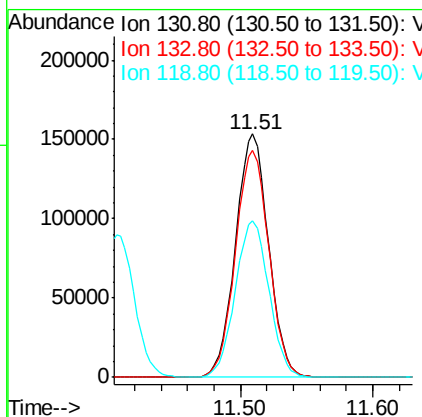
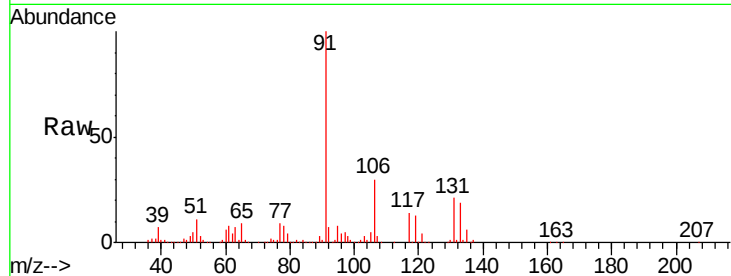
ClientSampled :

VE-4-11MS

Tgt Ion:	131	Resp:	265124
Ion Ratio	Lower	Upper	
131	100		
133	94.5	47.1	141.3
119	65.6	33.3	99.8

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#67

Ethyl Benzene

Concen: 54.445 ug/l

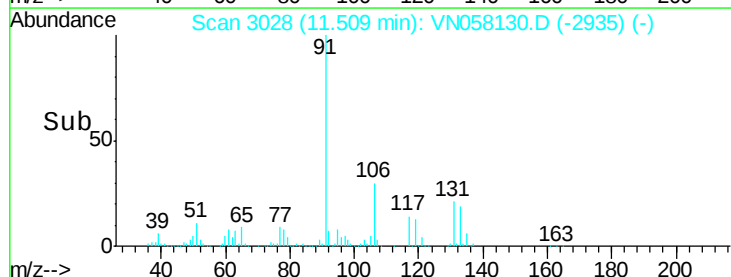
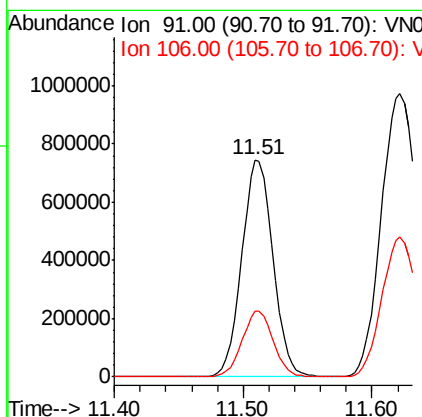
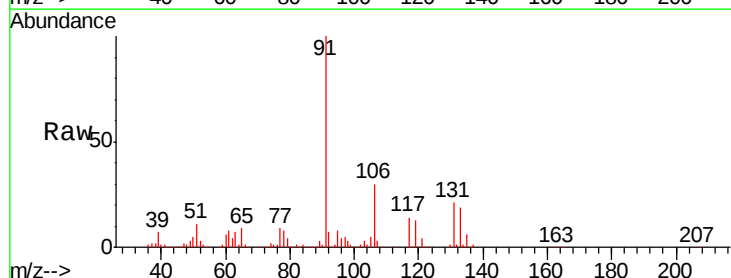
RT: 11.51 min Scan# 3028

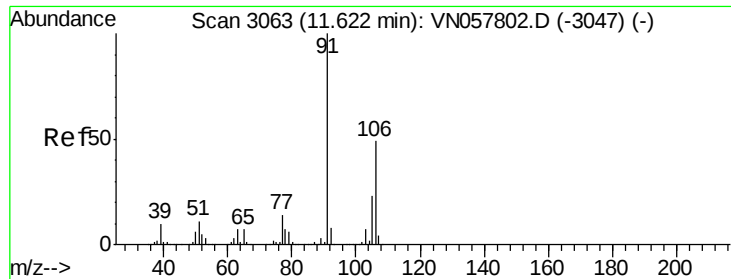
Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion:	91	Resp:	1255523
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.4	36.6





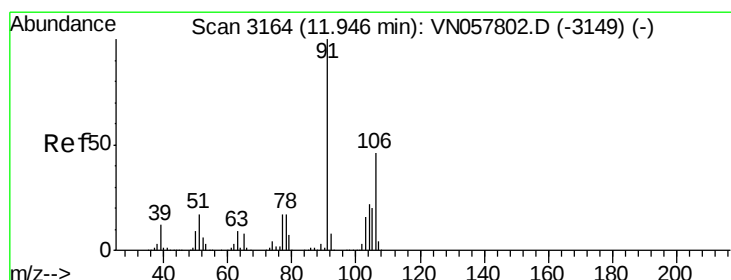
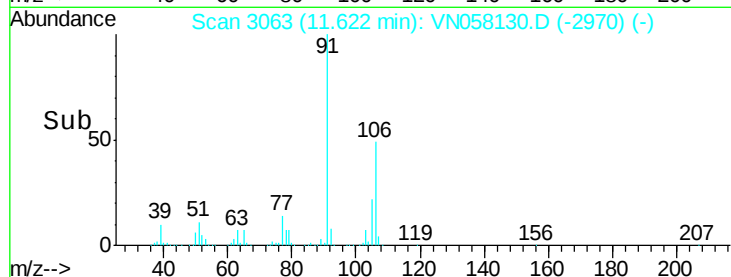
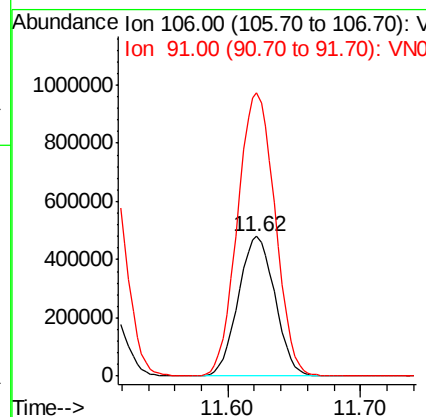
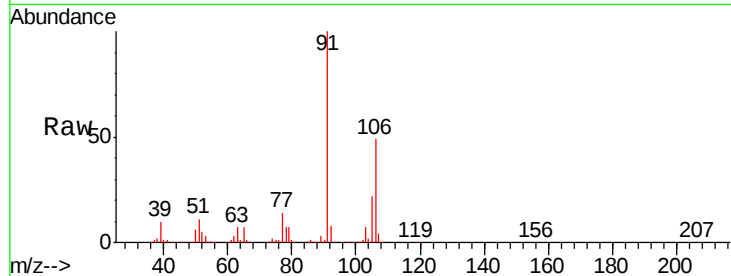
#68
m/p-Xylenes
Concen: 108.815 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

Tgt Ion:106 Resp: 919166
Ion Ratio Lower Upper
106 100
91 207.8 165.8 248.6

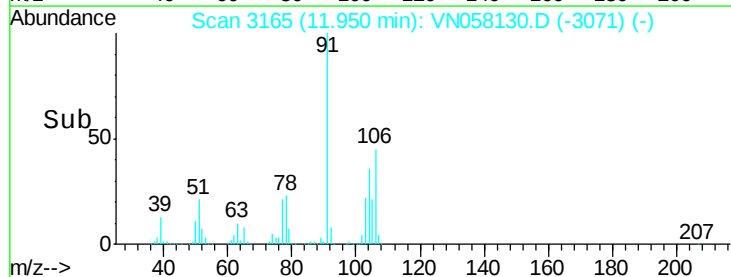
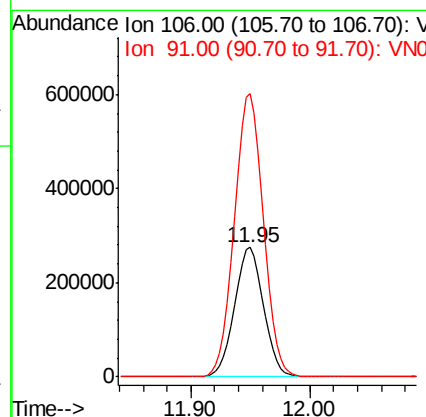
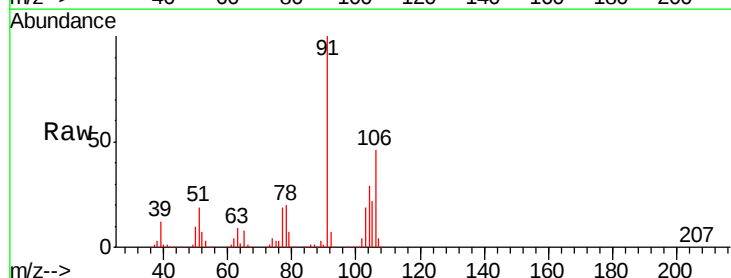
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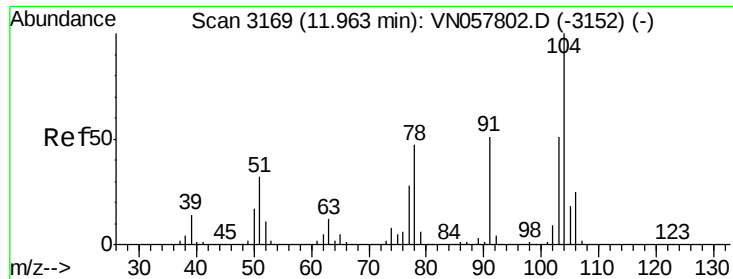
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#69
o-Xylene
Concen: 55.066 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion:106 Resp: 462425
Ion Ratio Lower Upper
106 100
91 219.7 108.7 326.1





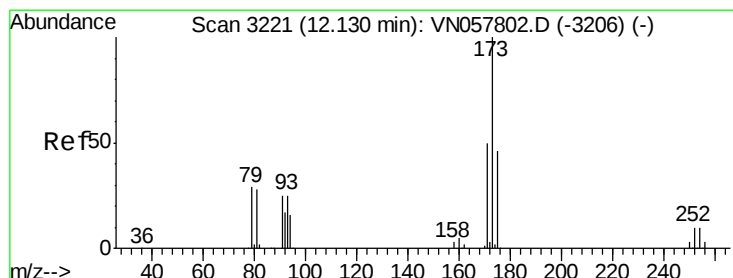
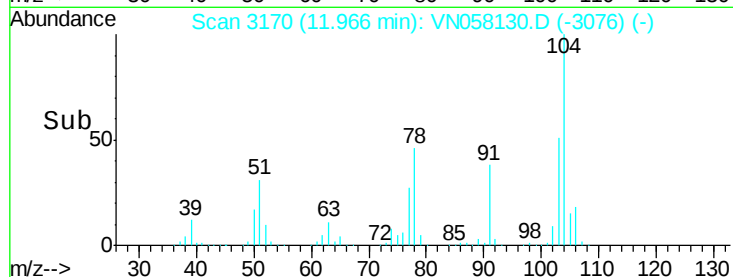
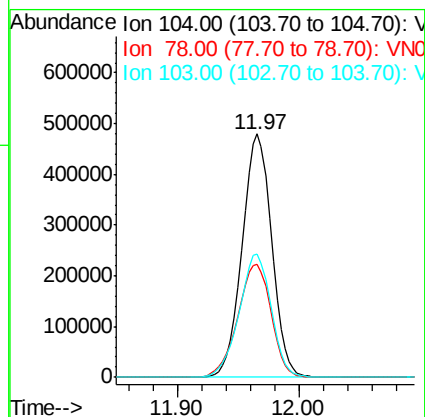
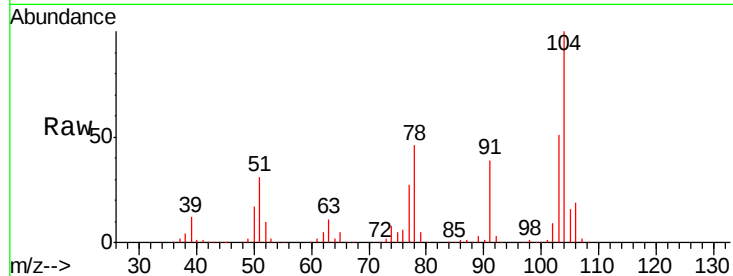
#70
Styrene
Concen: 55.432 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.3	61.9
103	55.0	43.7	65.5

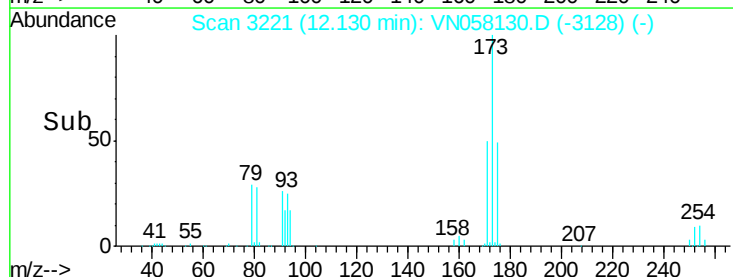
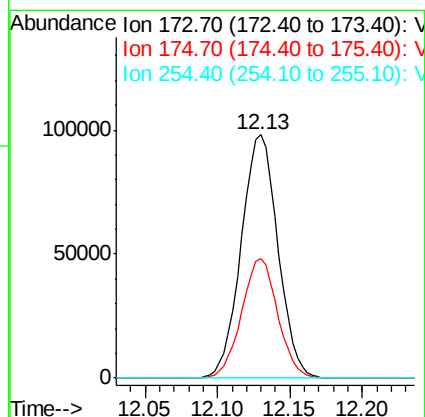
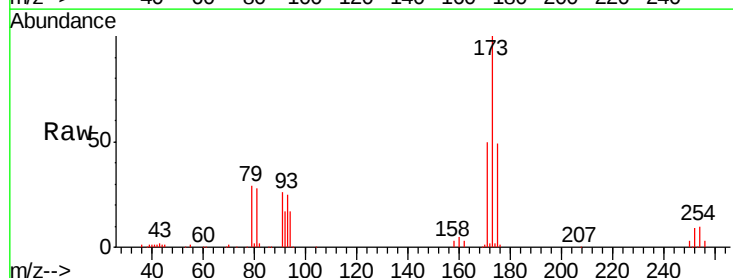
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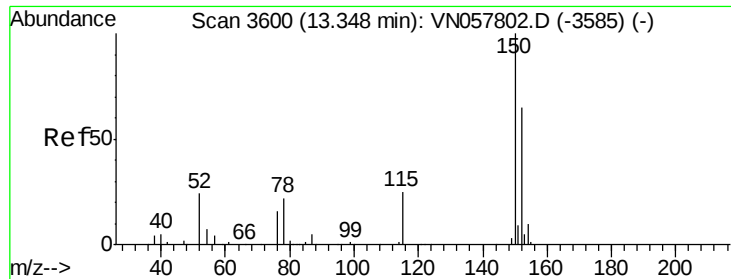
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#71
Bromoform
Concen: 60.664 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.5	70.6
254	0.0	0.1	0.1#





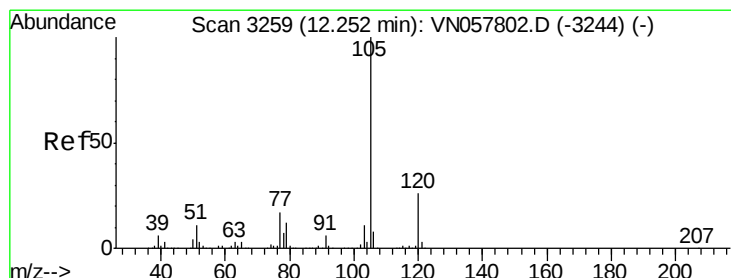
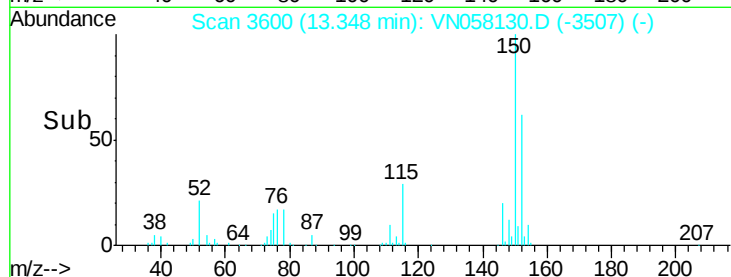
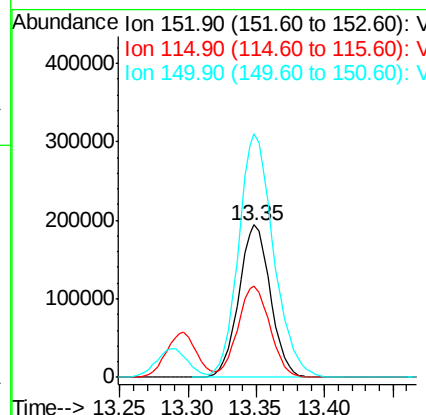
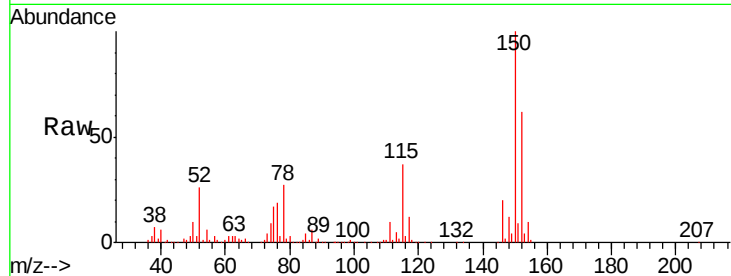
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	310964		
115	61.1	30.3	91.0	
150	177.3	0.0	352.4	

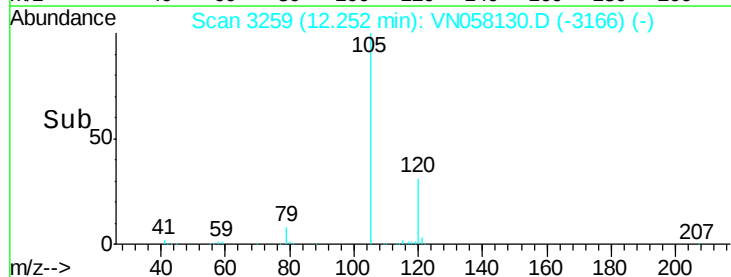
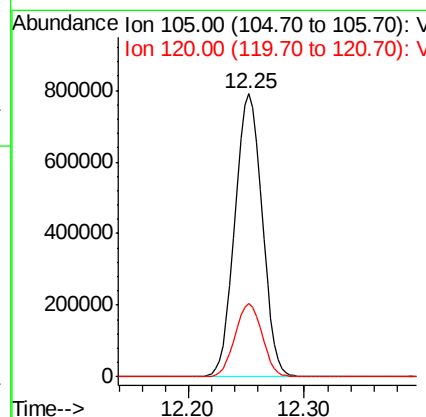
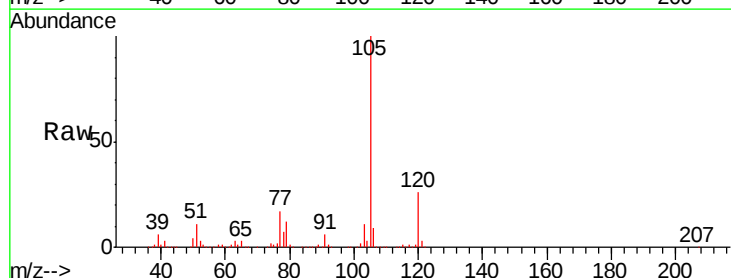
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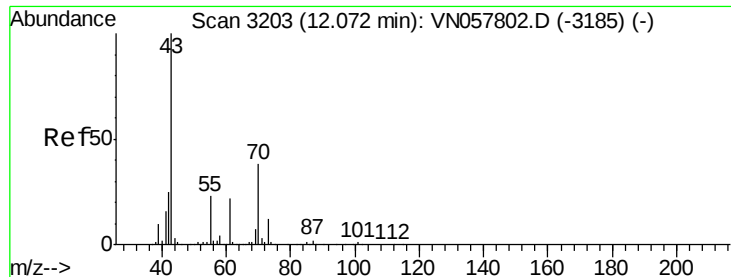
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#73
 Isopropylbenzene
 Concen: 53.142 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1282314		
120	25.7	12.8	38.4	





#74

N-amyI acetate

Concen: 55.541 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

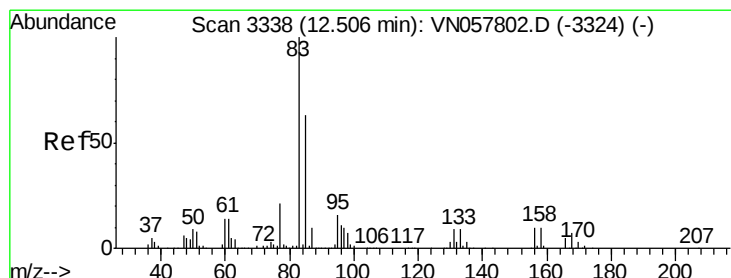
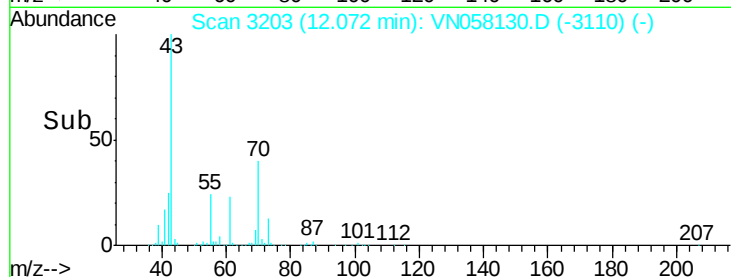
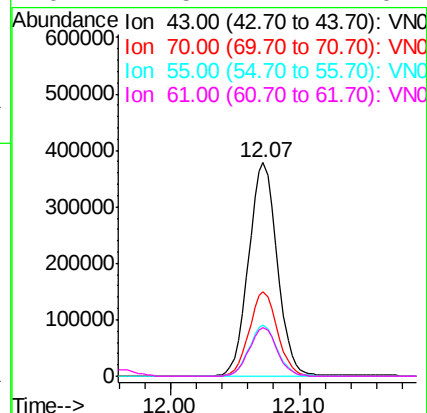
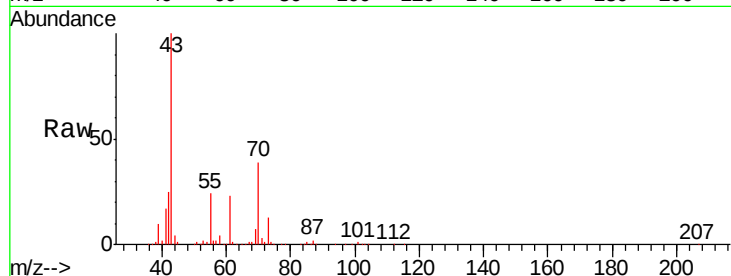
ClientSampleId :

VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	583253		
70	39.1		30.6	45.8
55	23.9		18.6	27.8
61	22.5		17.4	26.2

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.262 ug/l

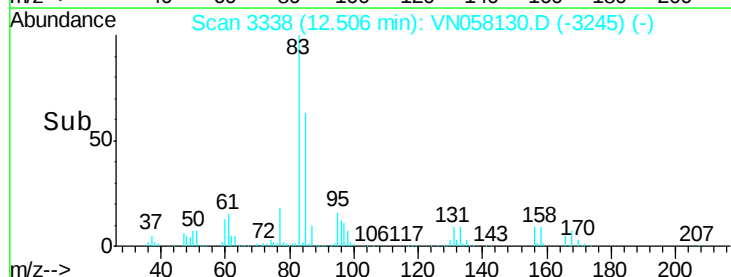
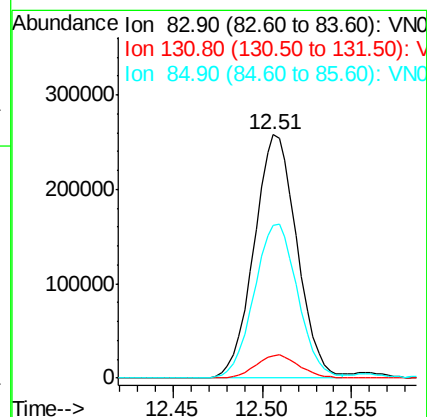
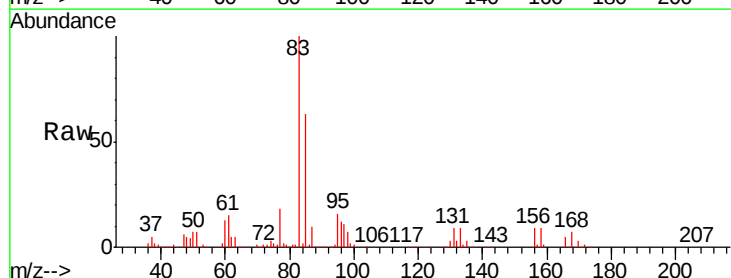
RT: 12.51 min Scan# 3338

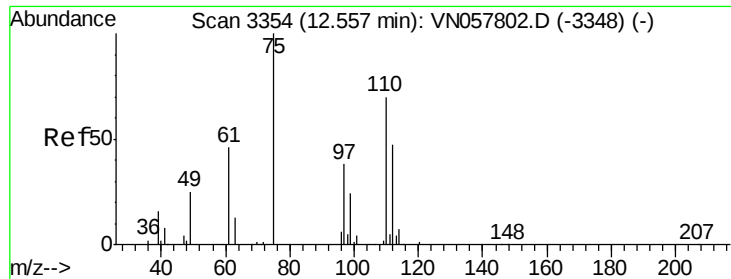
Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	432729		
131	9.6		4.8	14.3
85	64.2		31.6	94.7





#76

1,2,3-Trichloropropane

Concen: 58.857 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MS

Tgt Ion: 75 Resp: 414034

Ion Ratio Lower Upper

75 100

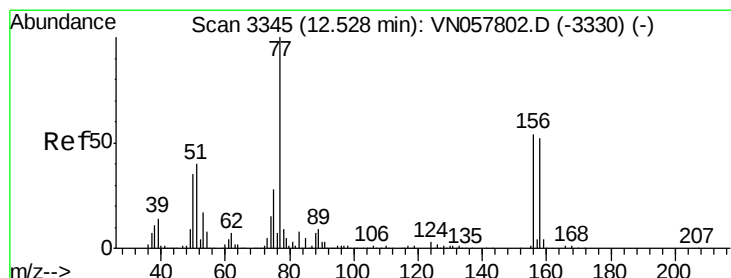
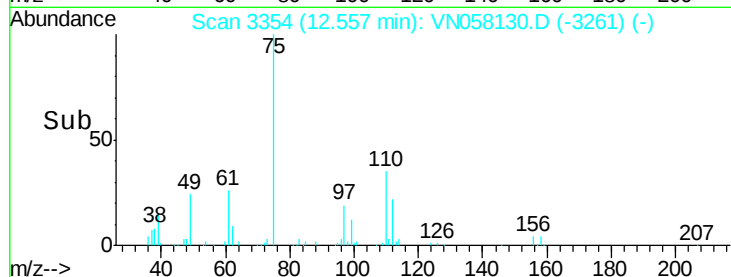
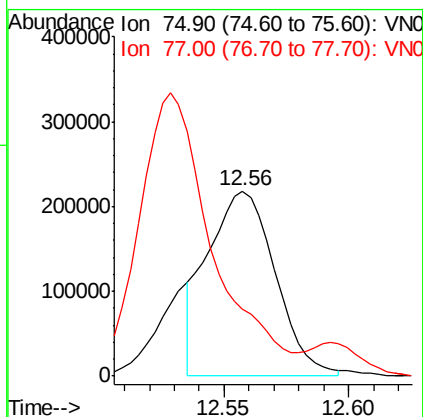
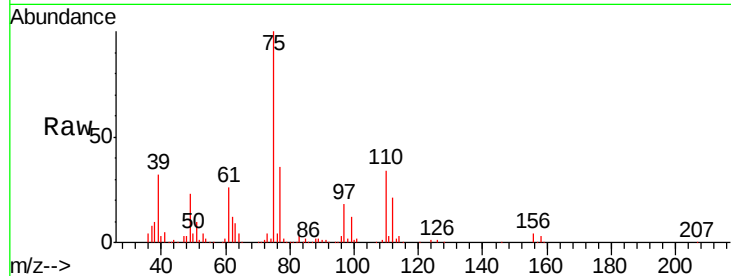
77 0.0 0.0 0.0

Manual Integrations

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#77

Bromobenzene

Concen: 50.619 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

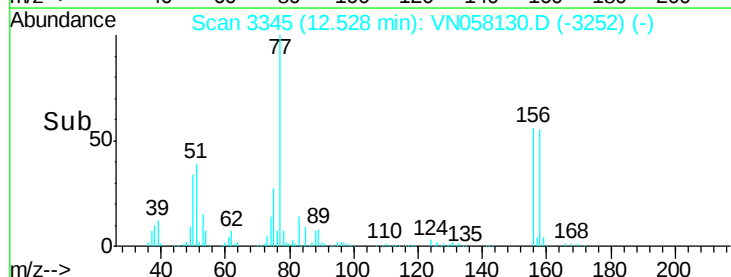
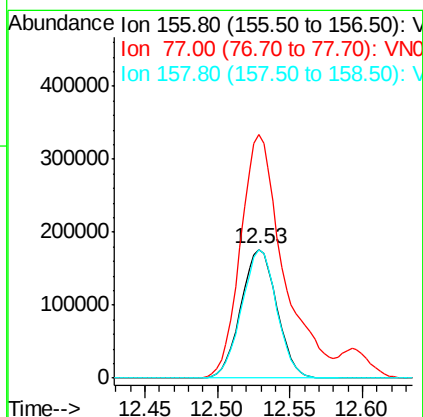
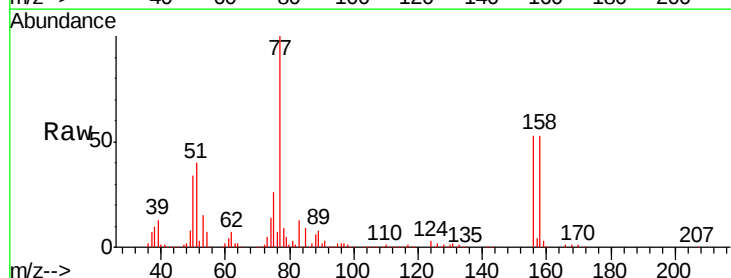
Tgt Ion: 156 Resp: 304525

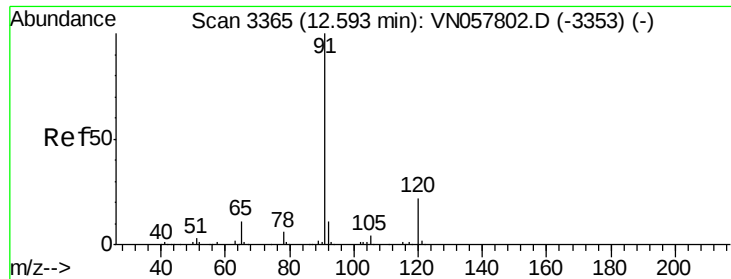
Ion Ratio Lower Upper

156 100

77 225.9 113.7 341.1

158 97.3 48.5 145.6





#78

n-propylbenzene

Concen: 54.340 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MS

Tgt Ion: 91 Resp: 1505677

Ion Ratio Lower Upper

91 100

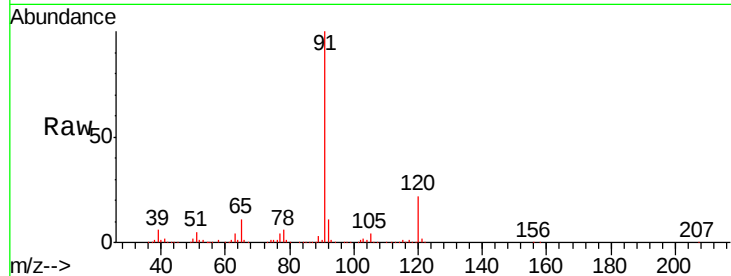
120 21.7 11.1 33.1

Manual Integrations

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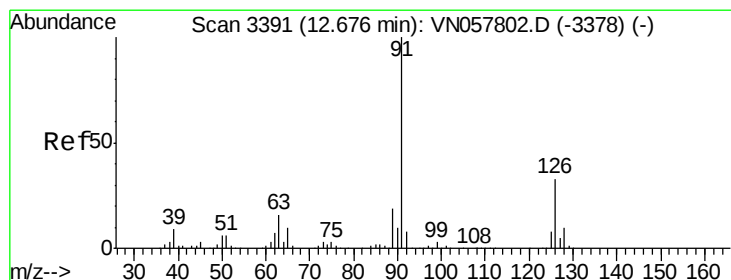
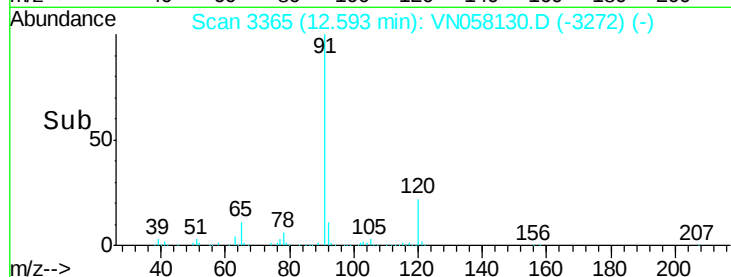
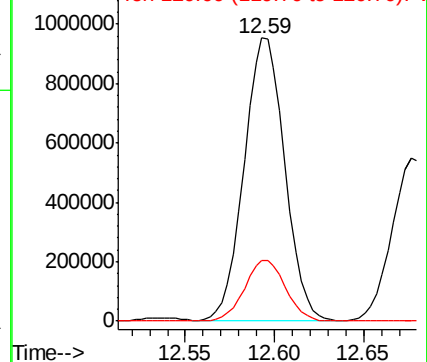
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.735 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058130.D

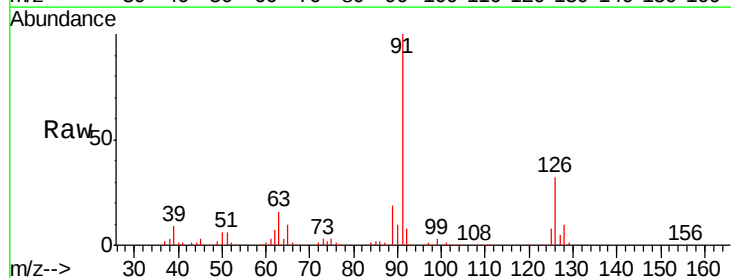
Acq: 16 Sep 2019 19:25

Tgt Ion: 91 Resp: 906022

Ion Ratio Lower Upper

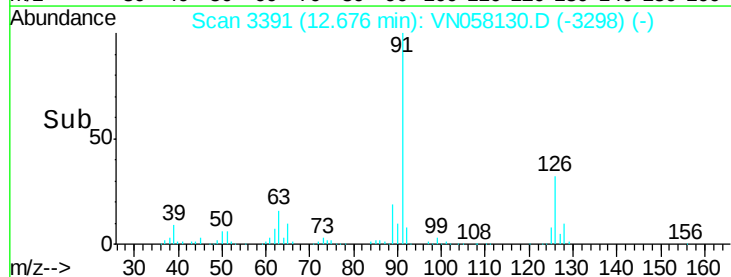
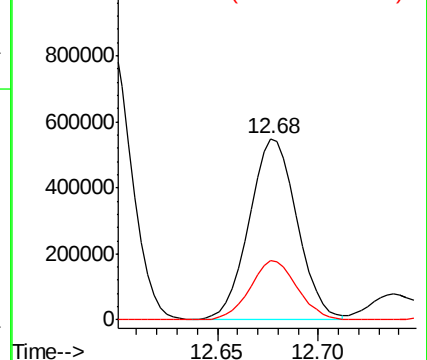
91 100

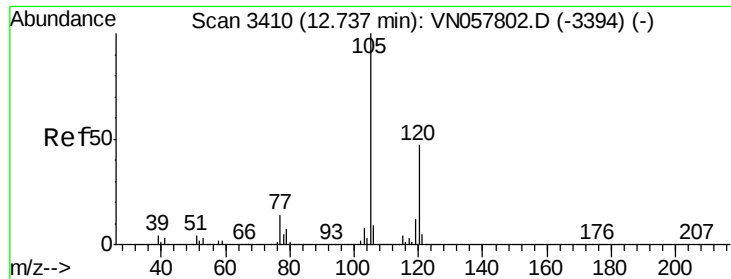
126 32.4 16.4 49.2



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: 54.364 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion: 105 Resp: 1108386

Ion Ratio Lower Upper

105 100

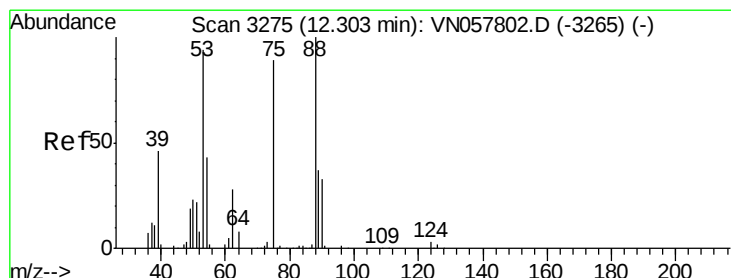
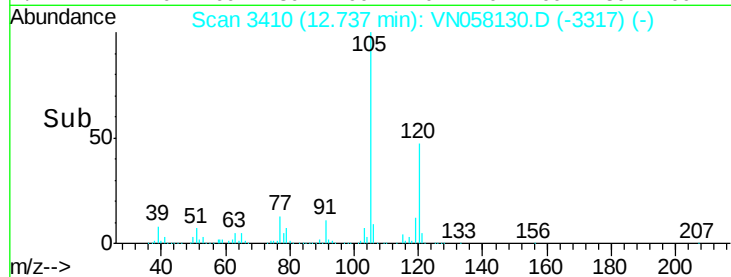
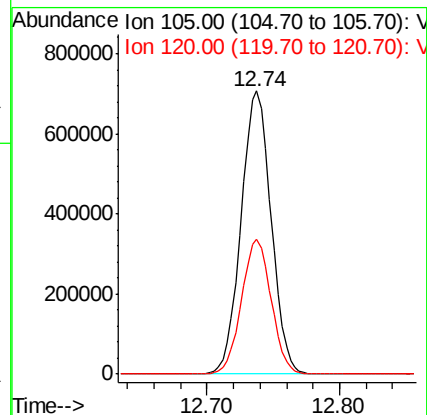
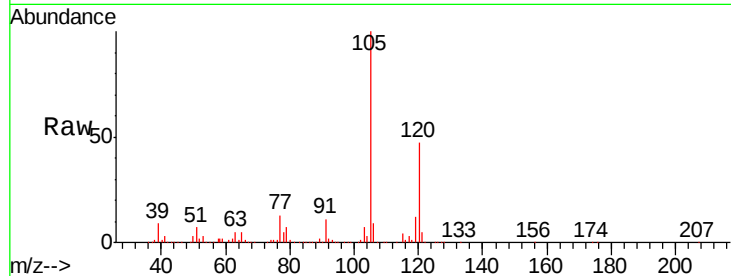
120 47.2 23.7 71.1

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 52.278 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

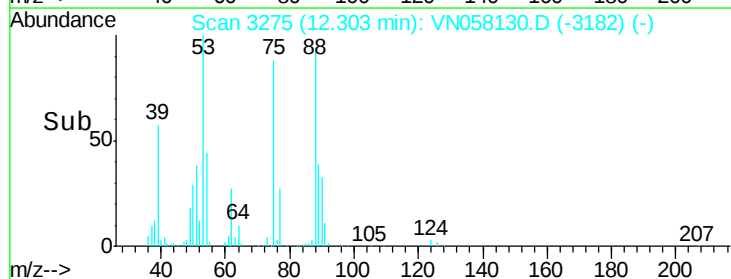
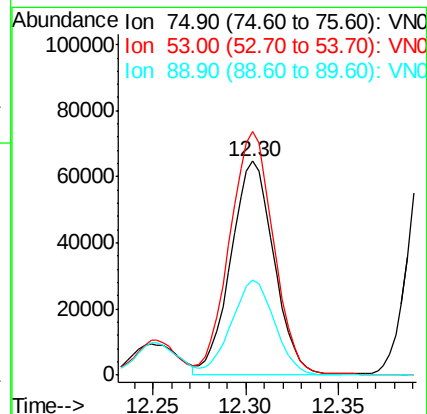
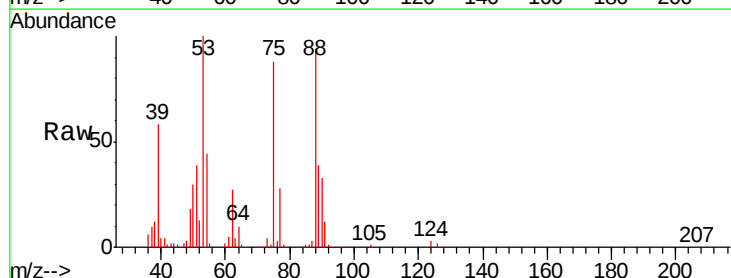
Tgt Ion: 75 Resp: 104505

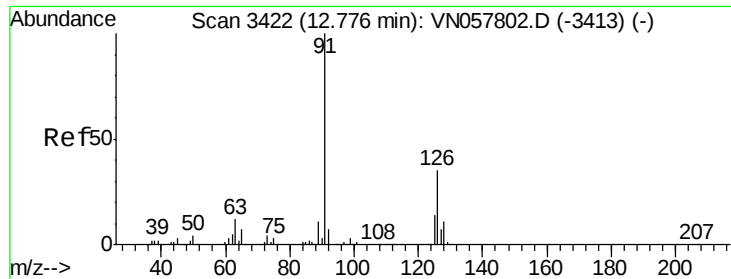
Ion Ratio Lower Upper

75 100

53 116.5 88.4 132.6

89 44.6 35.3 52.9





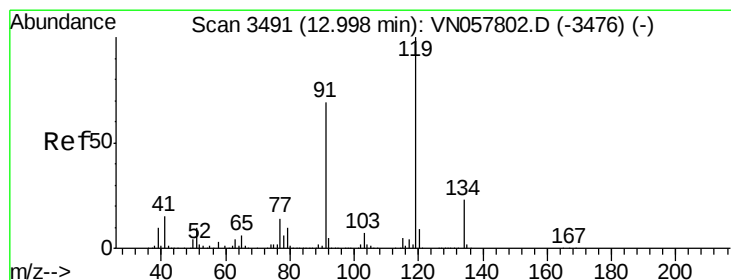
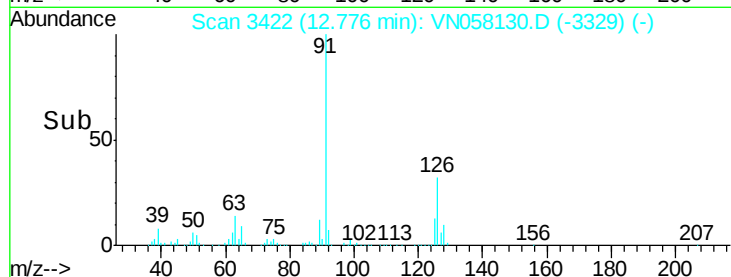
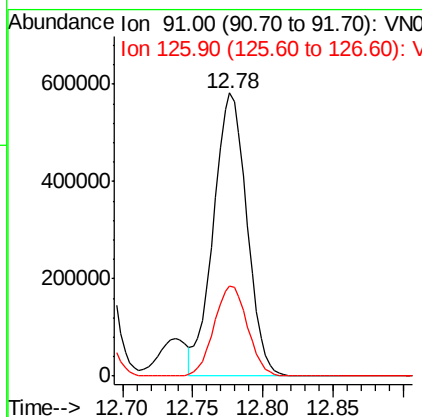
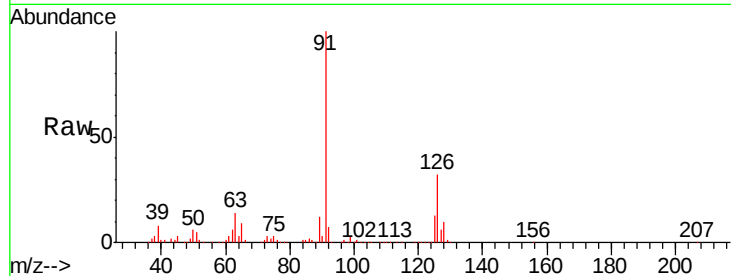
#82
4-Chlorotoluene
Concen: 53.110 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	48.0

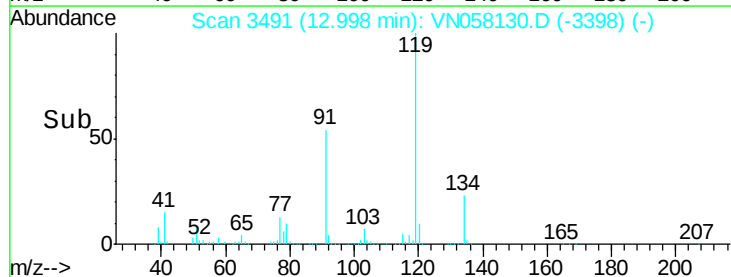
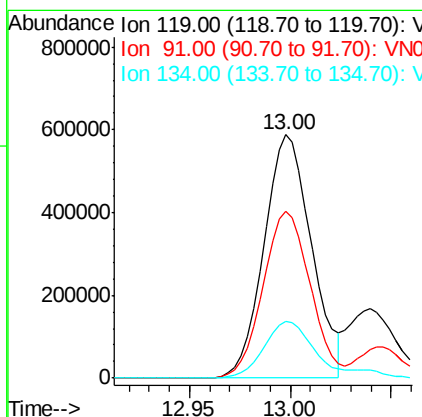
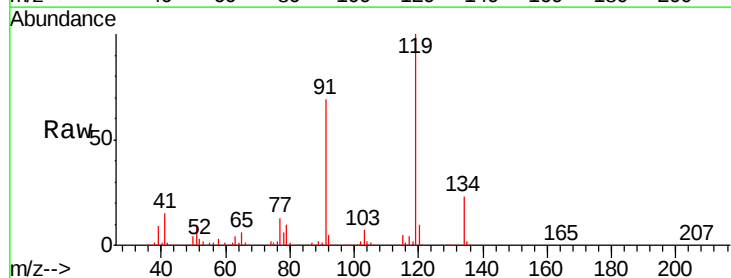
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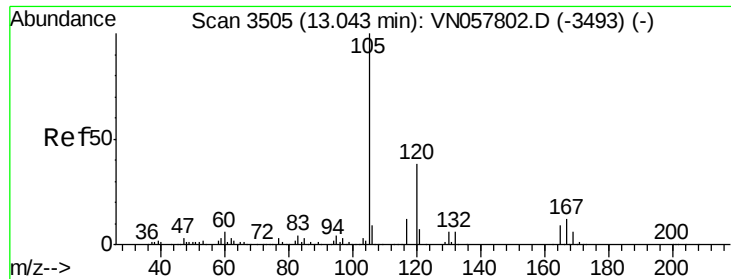
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#83
tert-Butylbenzene
Concen: 53.186 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.6	100.8
134	26.3	11.7	35.0





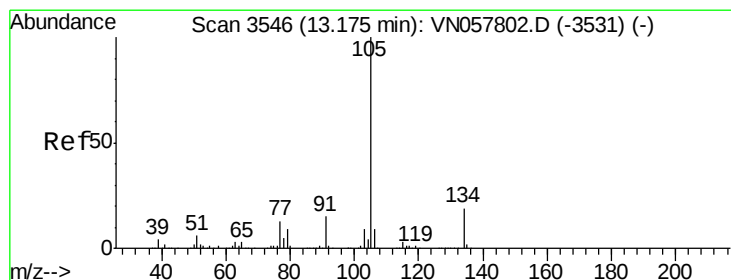
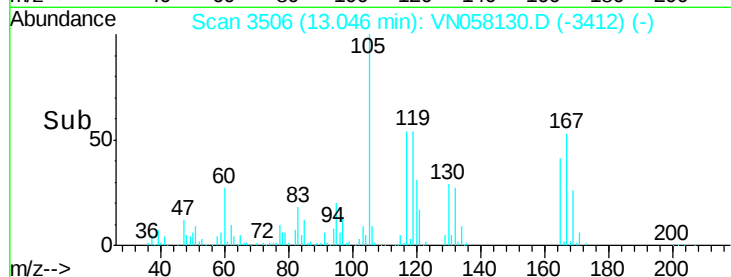
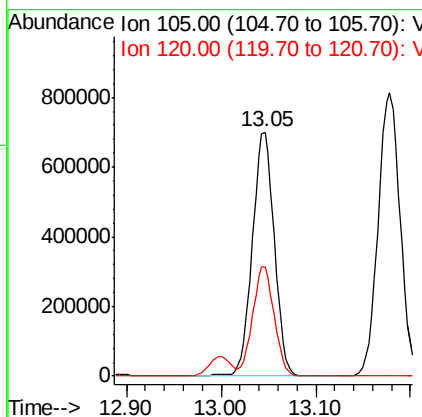
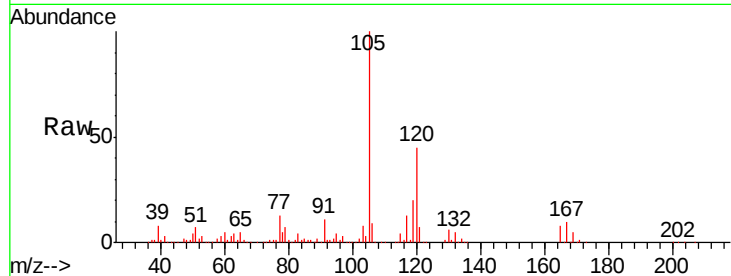
#84
1,2,4-Trimethylbenzene
Concen: 54.547 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion:105 Resp: 1130309
Ion Ratio Lower Upper
105 100
120 44.0 22.4 67.2

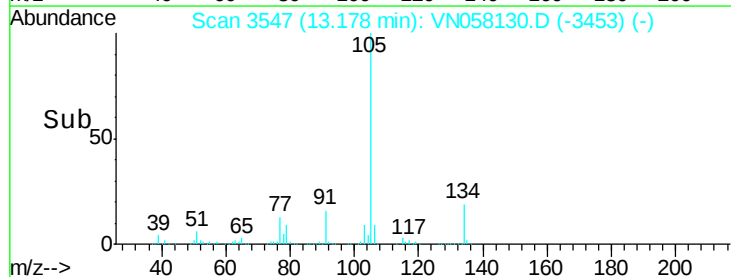
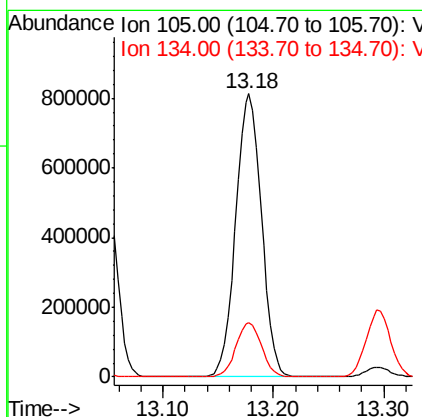
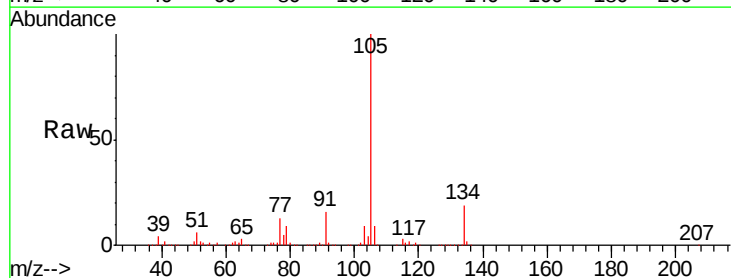
Manual Integrations
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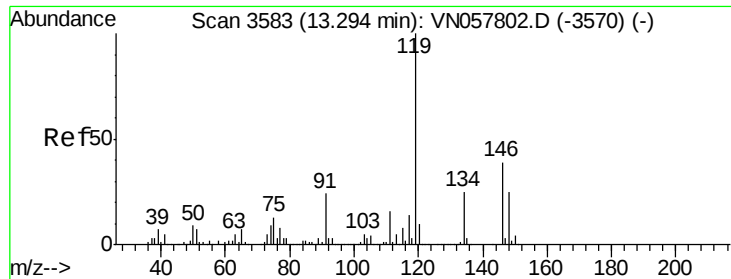
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#85
sec-Butylbenzene
Concen: 54.510 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion:105 Resp: 1309390
Ion Ratio Lower Upper
105 100
134 19.0 9.6 28.6





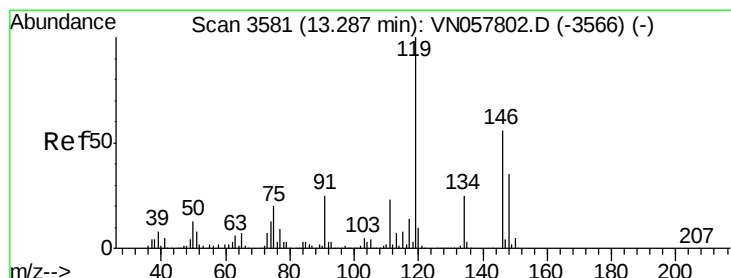
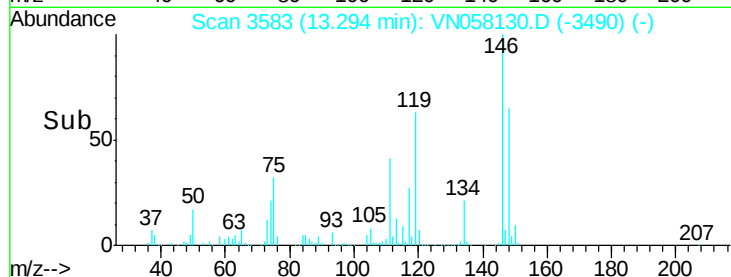
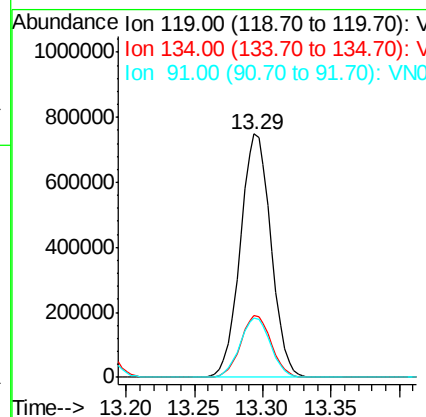
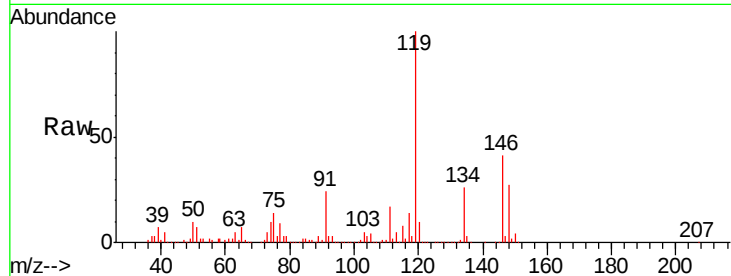
#86
 p-Isopropyltoluene
 Concen: 54.913 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	24.4	12.3	36.8

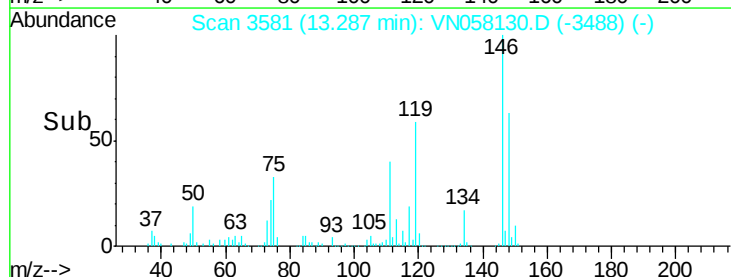
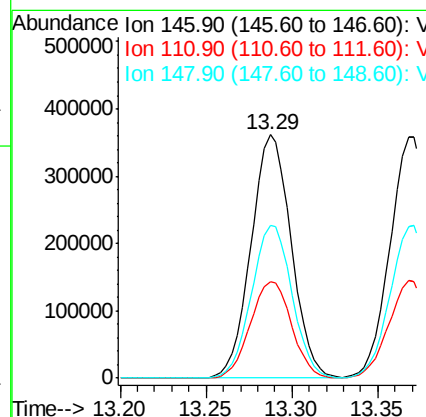
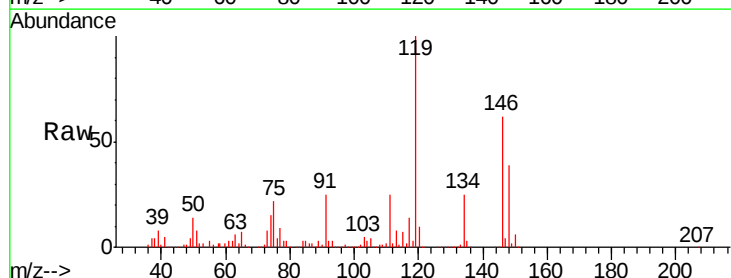
Manual Integrations
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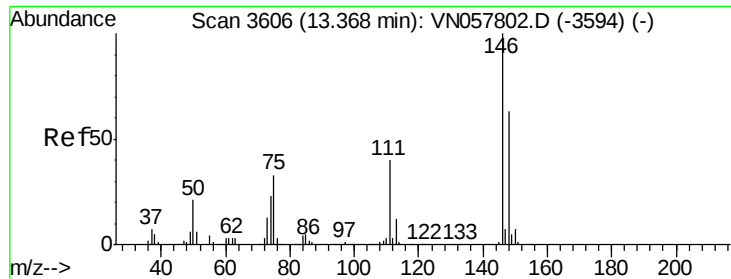
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#87
 1,3-Dichlorobenzene
 Concen: 53.113 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.6
148	63.4	31.5	94.5





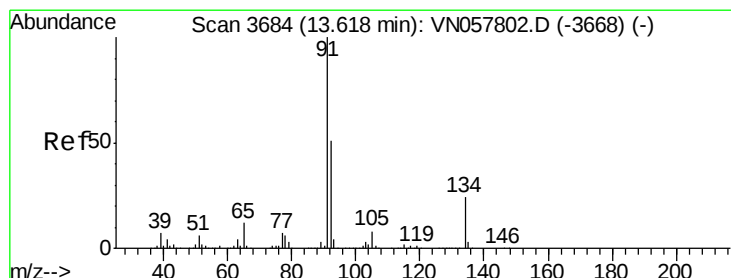
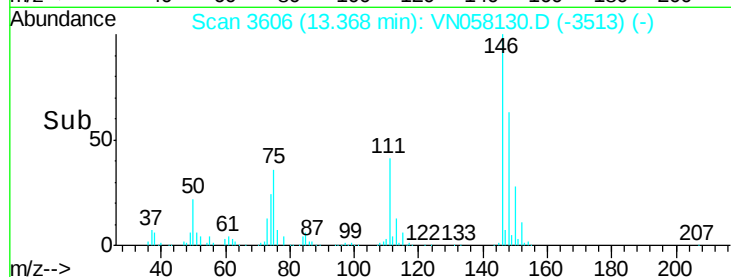
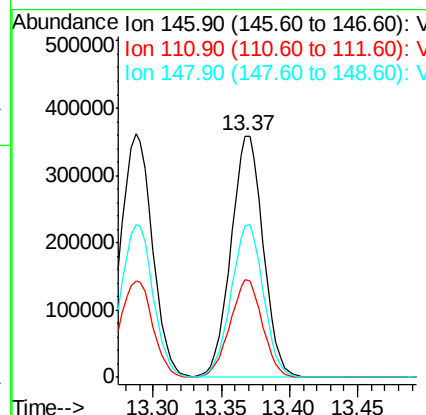
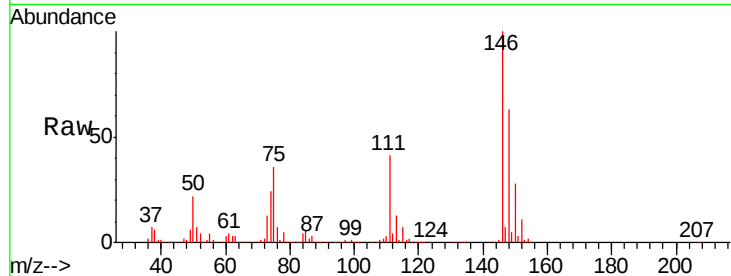
#88
 1,4-Dichlorobenzene
 Concen: 52.391 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	63.4	31.8	95.4

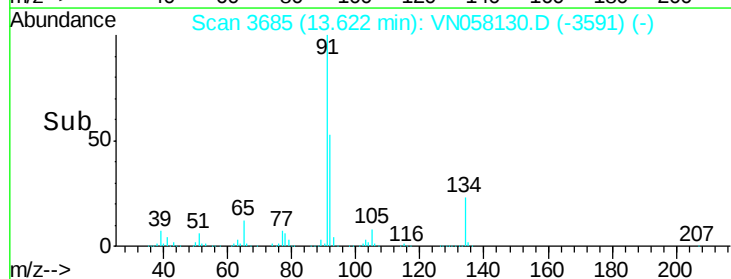
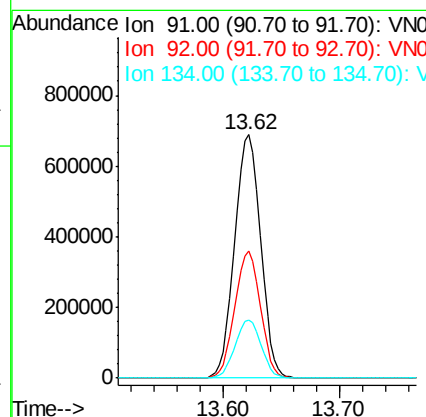
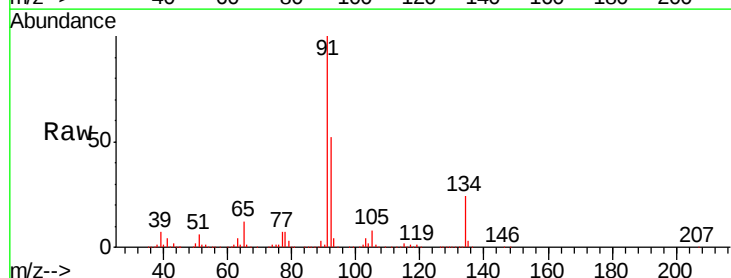
Manual Integrations
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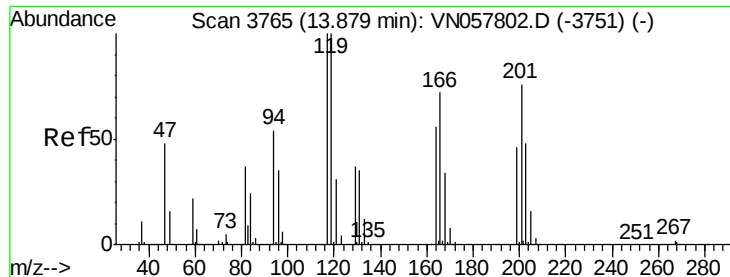
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#89
 n-Butylbenzene
 Concen: 53.268 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	23.9	11.9	35.7





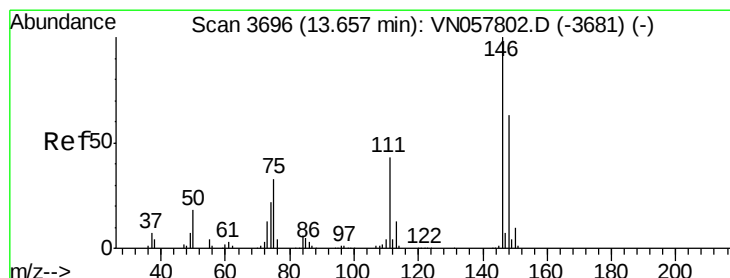
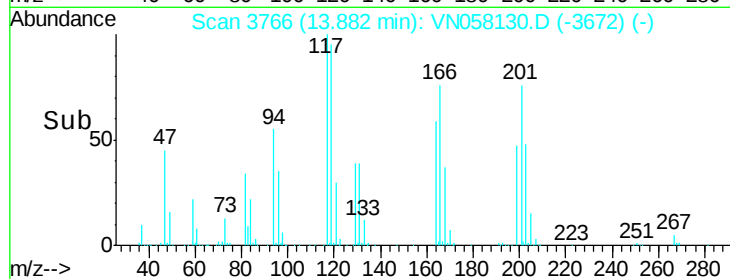
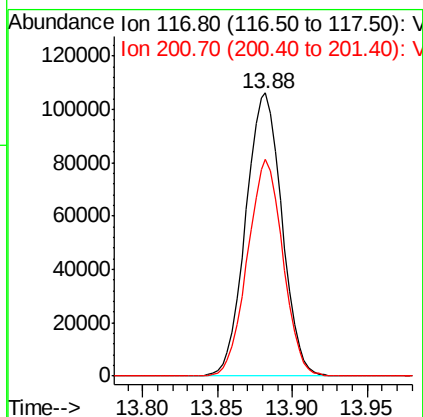
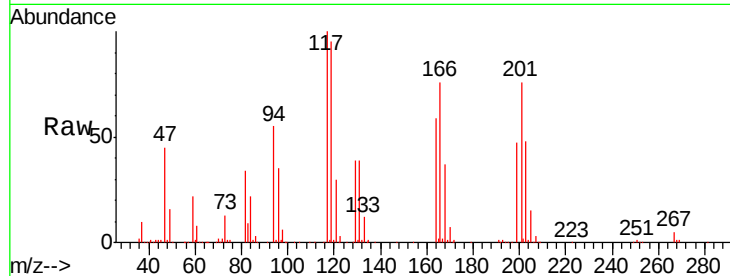
#90
Hexachloroethane
Concen: 56.701 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MS

Tgt Ion:117 Resp: 178475
Ion Ratio Lower Upper
117 100
201 75.0 37.5 112.7

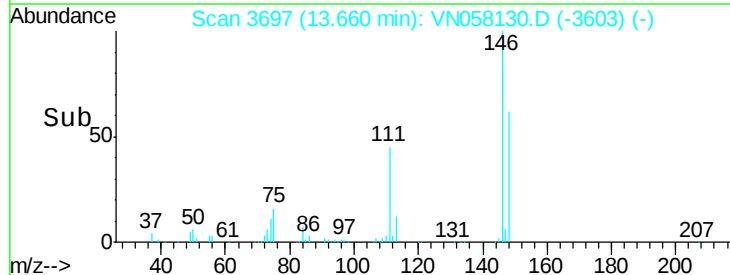
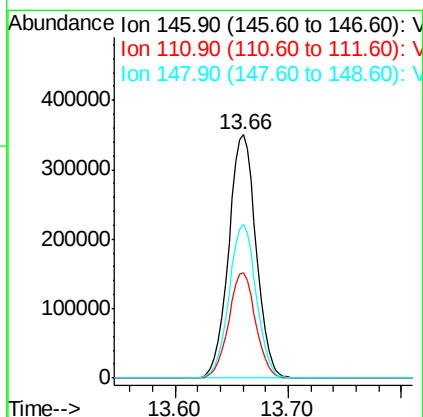
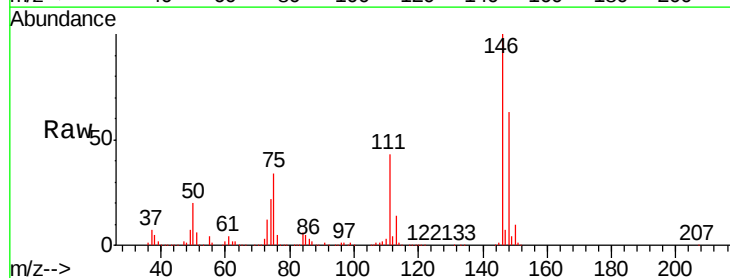
Manual Integrations
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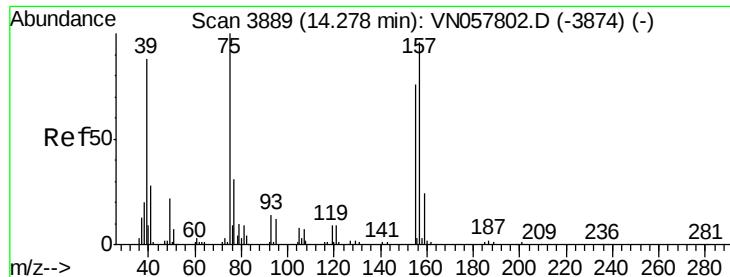
MMDadoda
9/18/2019 2:56:34 PM



#91
1,2-Dichlorobenzene
Concen: 53.386 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion:146 Resp: 588948
Ion Ratio Lower Upper
146 100
111 42.9 21.3 63.9
148 63.0 31.4 94.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 61.027 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MS

Tgt Ion: 75 Resp: 81881

Ion Ratio Lower Upper

75 100

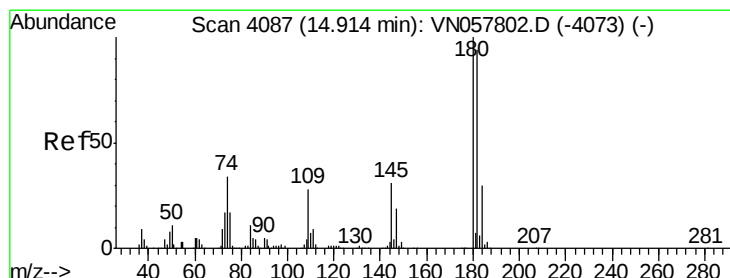
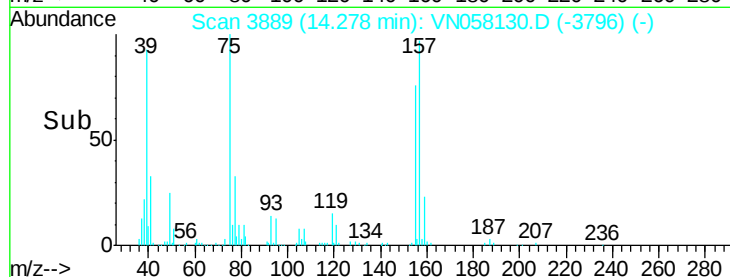
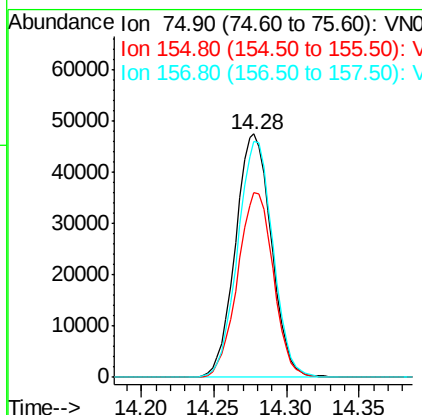
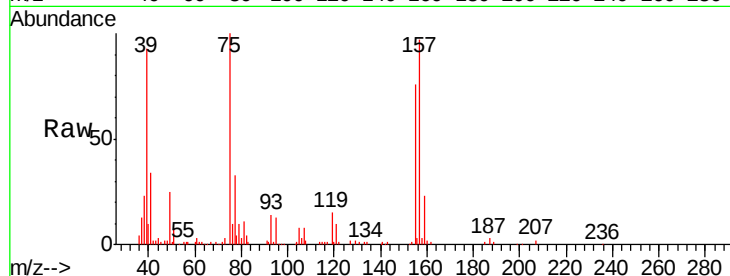
155 75.6 37.3 111.8

157 95.2 47.9 143.8

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9/18/2019 2:56:34 PM



#93

1,2,4-Trichlorobenzene

Concen: 51.909 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058130.D

Acq: 16 Sep 2019 19:25

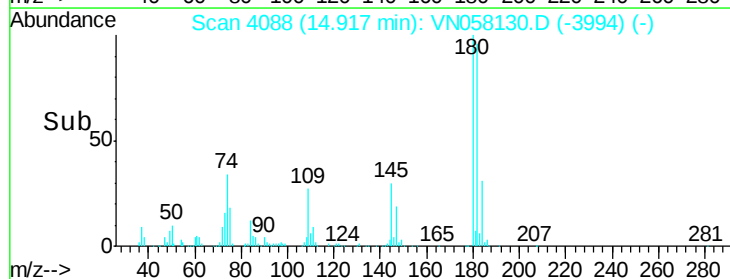
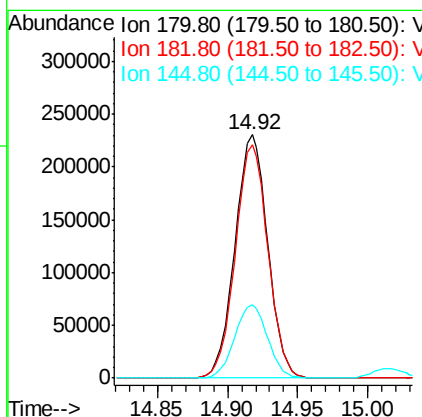
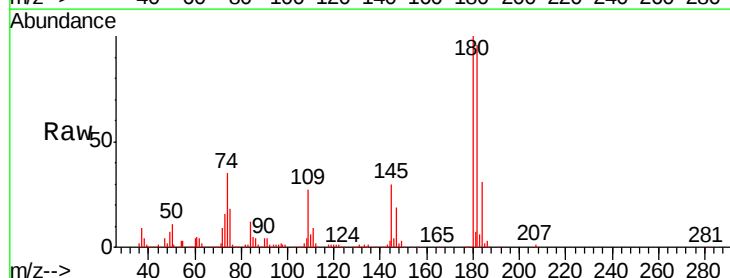
Tgt Ion: 180 Resp: 374303

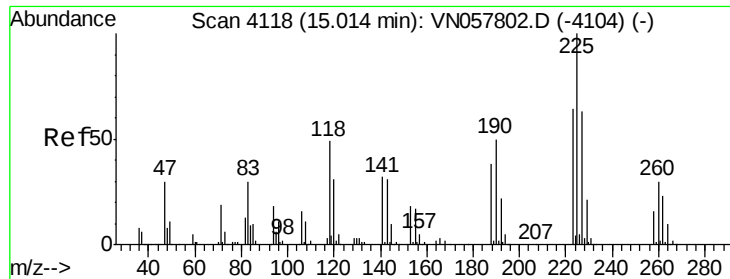
Ion Ratio Lower Upper

180 100

182 95.4 46.9 140.8

145 30.3 14.9 44.7





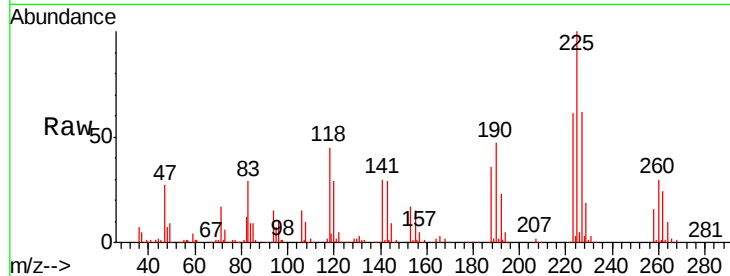
#94
Hexachlorobutadiene
Concen: 51.657 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MS

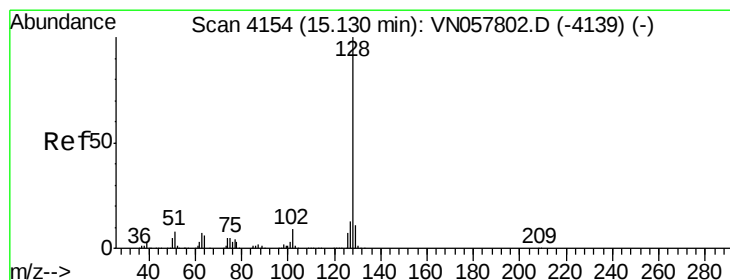
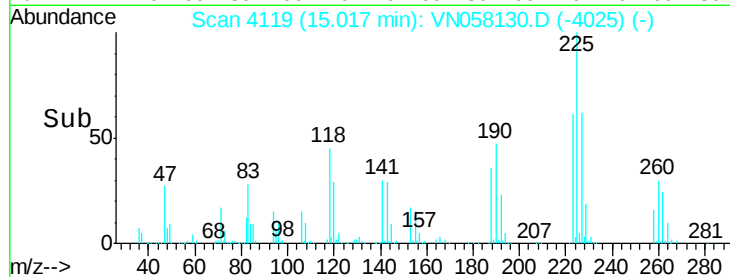
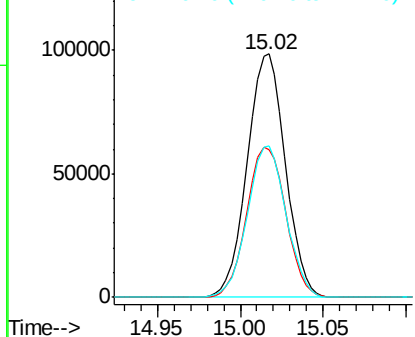
Tgt Ion:	225	Resp:	157898
Ion Ratio	Lower	Upper	
225	100		
223	63.2	32.4	97.2
227	62.9	31.8	95.4

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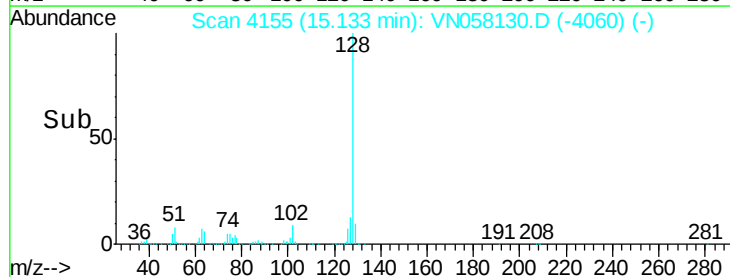
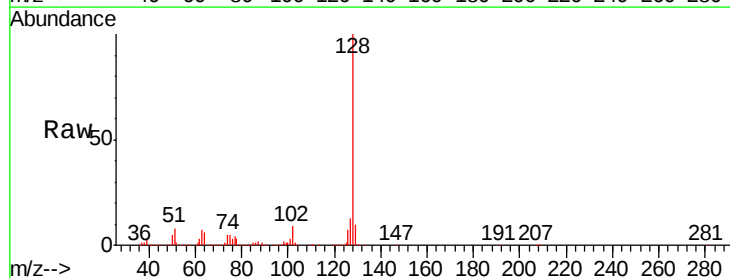
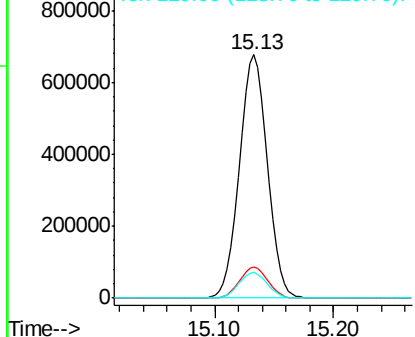
Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

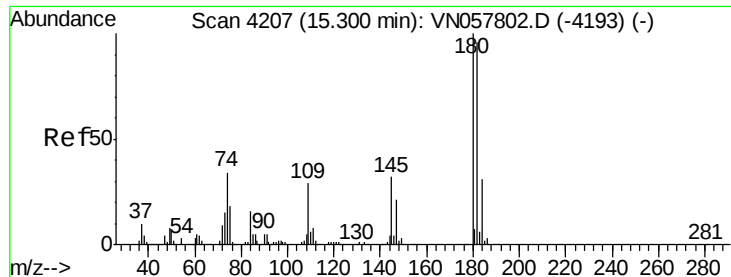


#95
Naphthalene
Concen: 60.798 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058130.D
Acq: 16 Sep 2019 19:25

Tgt Ion:	128	Resp:	1100590
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

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





#96
 1,2,3-Trichlorobenzene
 Concen: 56.613 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058130.D
 Acq: 16 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	357223		
182	94.7	48.3	144.8	
145	33.0	16.3	48.8	

Manual Integrations
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 9/18/2019 2:56:34 PM

