

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057803.D
 Acq On : 9 Sep 2019 16:10
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:30:13 PM

Quant Time: Sep 10 02:50:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	373995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	605205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	367411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	727437	82.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.98%	
35) Dibromofluoromethane	7.57	113	536904	97.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.22%	
50) Toluene-d8	10.08	98	2192347	106.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.58%	
62) 4-Bromofluorobenzene	12.40	95	813947	97.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	505517	86.941	ug/l	97
3) Chloromethane	2.03	50	439308	43.704	ug/l	98
4) Vinyl Chloride	2.16	62	480439	92.715	ug/l	99
5) Bromomethane	2.52	94	276173	109.050	ug/l	98
6) Chloroethane	2.67	64	295775	95.554	ug/l	95
7) Trichlorofluoromethane	2.99	101	575614	71.833	ug/l	100
8) Diethyl Ether	3.39	74	257543	80.644	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	403672	80.355	ug/l	98
10) Methyl Iodide	3.93	142	473394	93.703	ug/l	100
11) Tert butyl alcohol	4.77	59	430176	418.646	ug/l	100
12) 1,1-Dichloroethene	3.71	96	348802	77.604	ug/l	99
13) Acrolein	3.58	56	363873	657.001	ug/l	98
14) Allyl chloride	4.30	41	700206	69.730	ug/l	100
15) Acrylonitrile	4.96	53	1190120	453.469	ug/l	99
16) Acetone	3.80	43	1104988	399.400	ug/l	98
17) Carbon Disulfide	4.02	76	594259	61.035	ug/l	99
18) Methyl Acetate	4.30	43	613449	81.898	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1554346	81.782	ug/l	99
20) Methylene Chloride	4.52	84	450175	76.234	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	370850	78.384	ug/l	98
22) Diisopropyl ether	5.93	45	1720217	78.892	ug/l	98
23) Vinyl Acetate	5.87	43	6115515	354.421	ug/l	96
24) 1,1-Dichloroethane	5.82	63	895715	79.767	ug/l	99
25) 2-Butanone	6.82	43	1672423	423.419	ug/l	98
26) 2,2-Dichloropropane	6.81	77	747754	80.671	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	514682	85.139	ug/l	99
28) Bromochloromethane	7.18	49	472088	79.466	ug/l	97
29) Tetrahydrofuran	7.19	42	1028928	407.056	ug/l	100
30) Chloroform	7.36	83	945260	80.676	ug/l	98
31) Cyclohexane	7.64	56	641958	66.141	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	777570	80.467	ug/l	100
36) 1,1-Dichloropropene	7.78	75	617707	78.851	ug/l	99
37) Ethyl Acetate	6.91	43	655941	84.409	ug/l	99
38) Carbon Tetrachloride	7.76	117	620415	83.441	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	658182	79.942	ug/l	99
40) Benzene	8.03	78	1913538	85.446	ug/l	99
41) Methacrylonitrile	7.15	41	294071	77.257	ug/l	94
42) 1,2-Dichloroethane	8.11	62	761841	74.207	ug/l	99
43) Isopropyl Acetate	8.15	43	1177625	79.363	ug/l #	92
44) Trichloroethene	8.82	130	467522	92.323	ug/l	100
45) 1,2-Dichloropropane	9.11	63	562602	89.462	ug/l	99
46) Dibromomethane	9.20	93	346811	86.778	ug/l	99
47) Bromodichloromethane	9.40	83	740021	87.197	ug/l	98
48) Methyl methacrylate	9.19	41	584417	76.628	ug/l	99
49) 1,4-Dioxane	9.19	88	190467	2050.255	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3316671	397.267	ug/l	93
52) Toluene	10.15	92	1255235	91.809	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	833024	97.289	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	878939	94.695	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	535201	95.929	ug/l	98
56) Ethyl methacrylate	10.43	69	849553	96.193	ug/l	99
57) 1,3-Dichloropropane	10.71	76	919717	92.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1627821	362.878	ug/l	100
59) 2-Hexanone	10.75	43	2580655	434.615	ug/l	95
60) Dibromochloromethane	10.90	129	569210	105.902	ug/l	100
61) 1,2-Dibromoethane	11.00	107	525097	98.820	ug/l	99
64) Tetrachloroethene	10.63	164	378807	82.721	ug/l	100
65) Chlorobenzene	11.43	112	1406509	90.305	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	528446	97.484	ug/l	99
67) Ethyl Benzene	11.51	91	2461111	83.302	ug/l	95
68) m/p-Xylenes	11.62	106	1897999	184.675	ug/l	87
69) o-Xylene	11.95	106	935081	91.481	ug/l	100
70) Styrene	11.96	104	1676586	94.507	ug/l	99
71) Bromoform	12.13	173	378501	108.427	ug/l #	98
73) Isopropylbenzene	12.25	105	2519156	79.113	ug/l	97
74) N-amyl acetate	12.07	43	1178687	75.484	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	839425	86.451	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	686975m	82.013	ug/l	
77) Bromobenzene	12.53	156	615948	88.055	ug/l	99
78) n-propylbenzene	12.59	91	2861478	76.026	ug/l	96
79) 2-Chlorotoluene	12.68	91	1812532	78.949	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2198238	81.113	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	253129	94.528	ug/l	98
82) 4-Chlorotoluene	12.78	91	1919057	80.959	ug/l	99
83) tert-Butylbenzene	13.00	119	1932017	83.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2198066	81.794	ug/l	98
85) sec-Butylbenzene	13.17	105	2544804	80.529	ug/l	98
86) p-Isopropyltoluene	13.29	119	2305970	85.505	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	1185030	89.751	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1180232	89.366	ug/l	100
89) n-Butylbenzene	13.62	91	2217046	83.862	ug/l	97
90) Hexachloroethane	13.88	117	388431	93.277	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	1156737	89.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	156663	84.206	ug/l	98

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MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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Quant Time: Sep 10 02:50:38 2019
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 02:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	739410	95.346	ug/l	99
94) Hexachlorobutadiene	15.01	225	328252	88.348	ug/l	98
95) Naphthalene	15.13	128	2098535	93.171	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	690622	93.188	ug/l	99

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

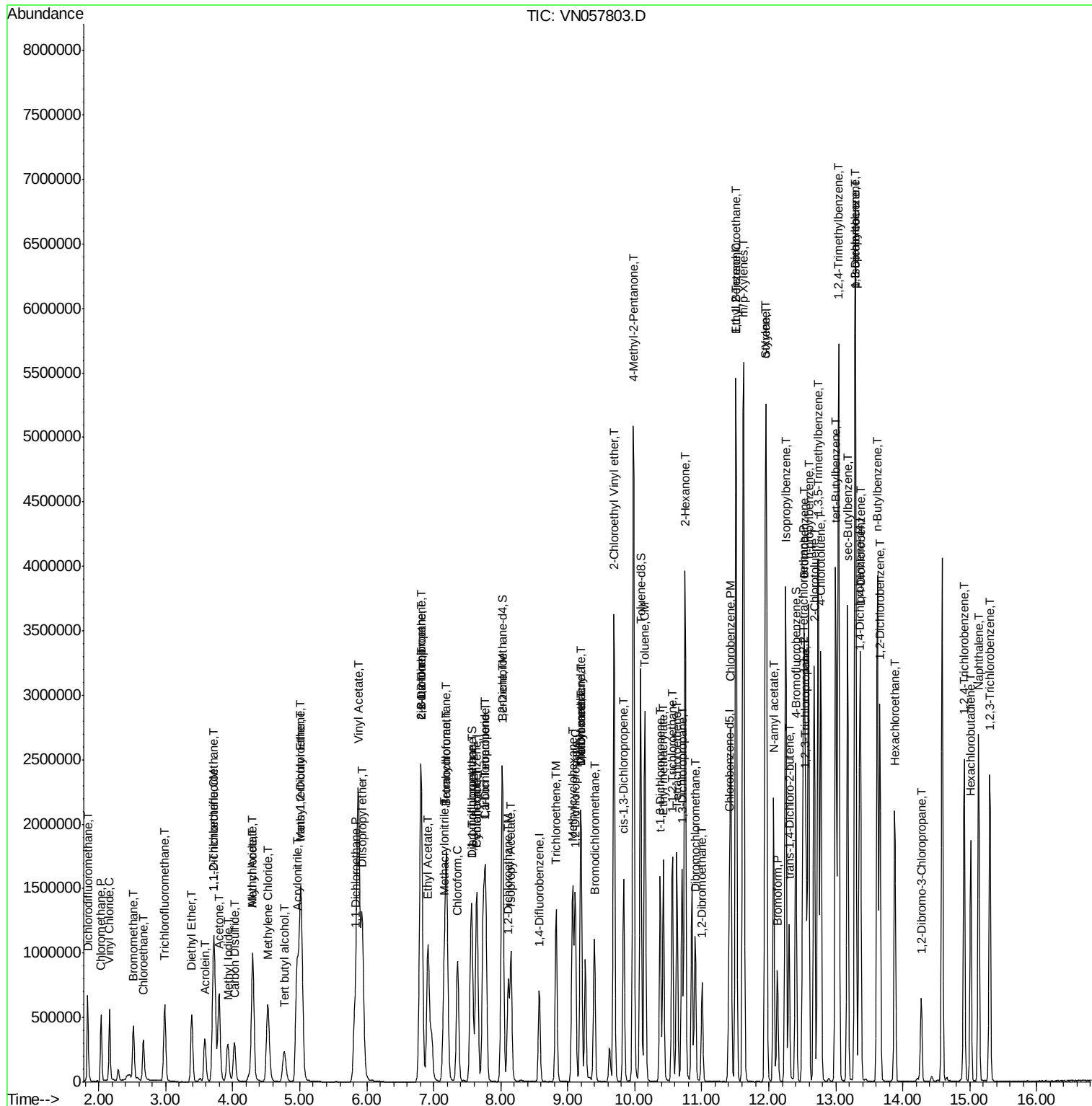
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Data File : VN057803.D
Acq On : 9 Sep 2019 16:10
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

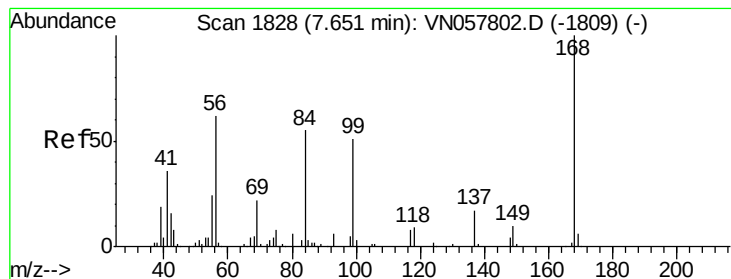
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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9/10/2019 4:30:13 PM

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 373995

Ion Ratio Lower Upper

168 100

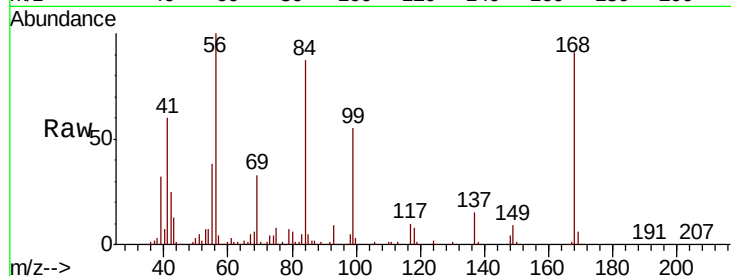
99 60.9 48.0 72.0

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

200000

150000

100000

50000

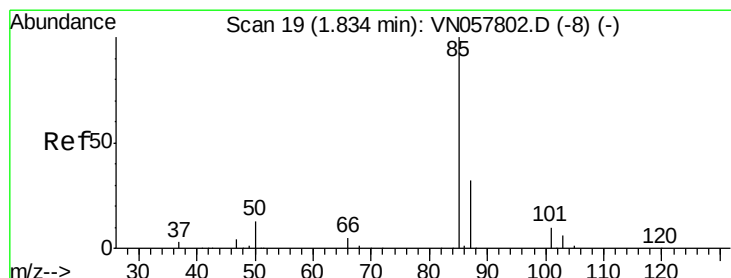
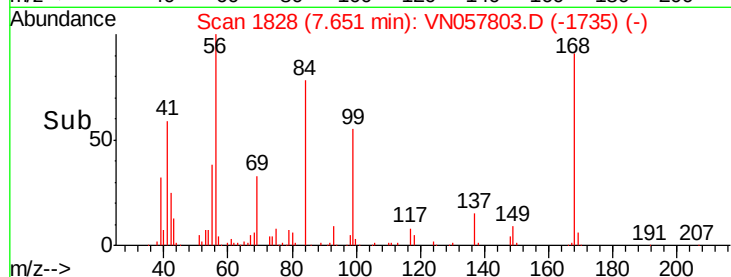
0

7.60

7.65

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 86.941 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057803.D

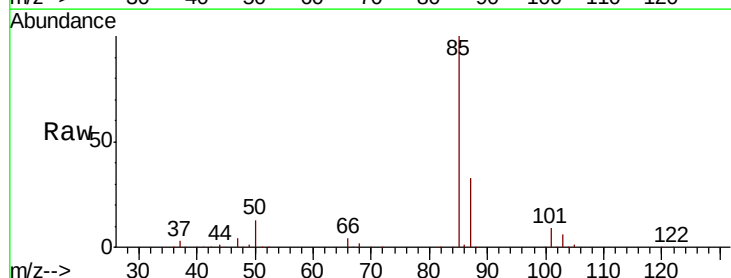
Acq: 9 Sep 2019 16:10

Tgt Ion: 85 Resp: 505517

Ion Ratio Lower Upper

85 100

87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

200000

100000

0

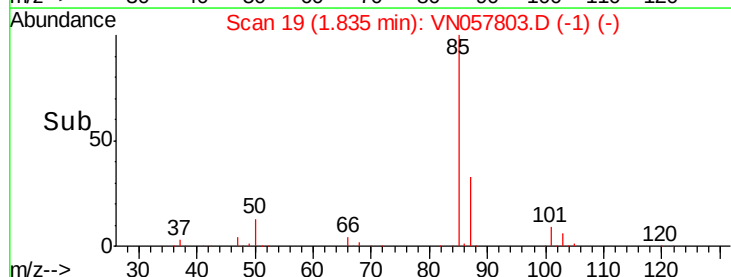
1.80

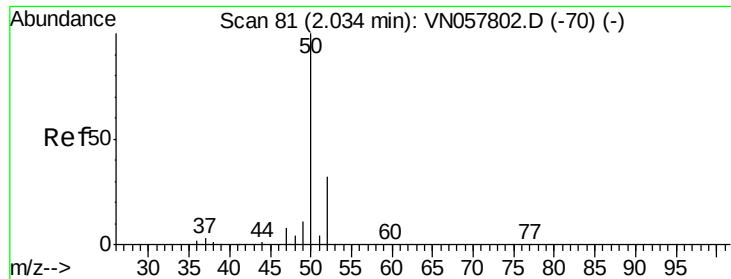
1.83

1.90

2.00

Time-->





#3

Chloromethane

Concen: 43.704 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 439308

Ion Ratio Lower Upper

50 100

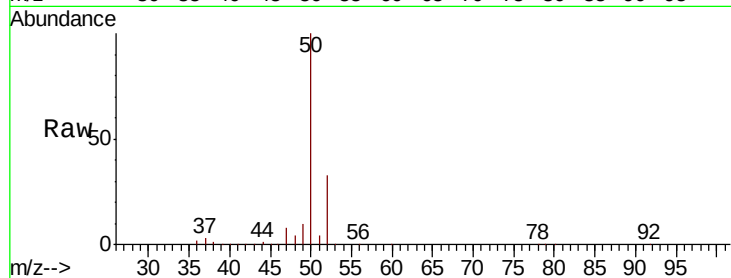
52 32.9 25.5 38.3

Manual Integrations

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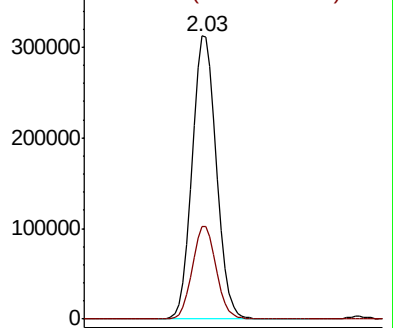
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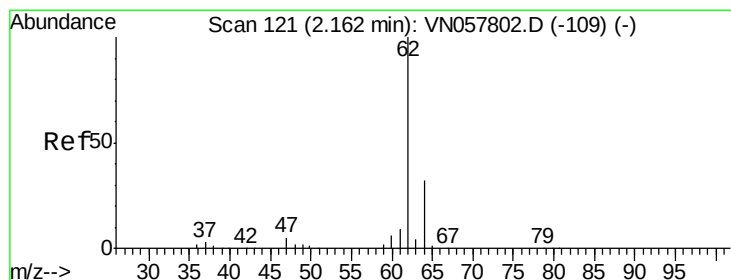
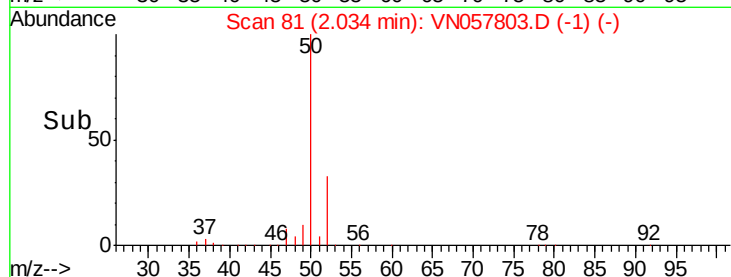


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 92.715 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057803.D

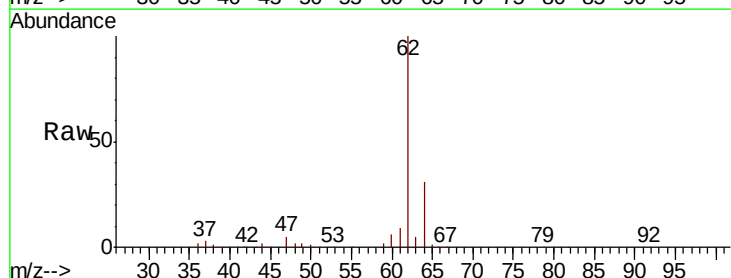
Acq: 9 Sep 2019 16:10

Tgt Ion: 62 Resp: 480439

Ion Ratio Lower Upper

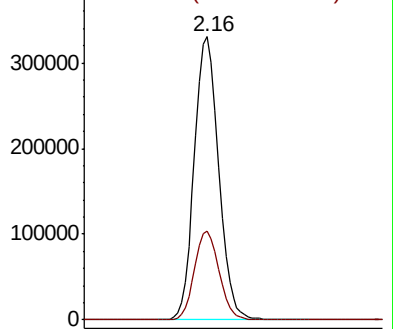
62 100

64 31.3 25.6 38.4

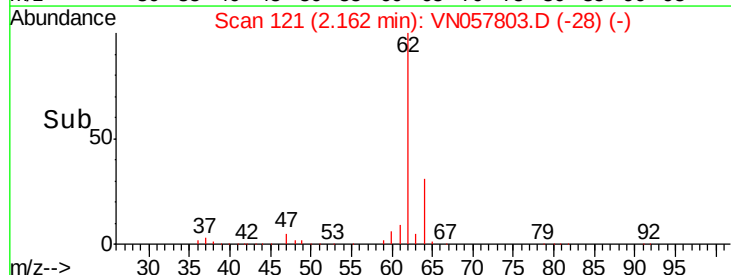


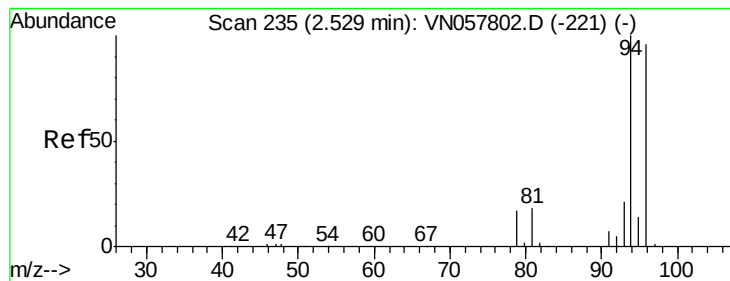
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 109.050 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 276173

Ion Ratio Lower Upper

94 100

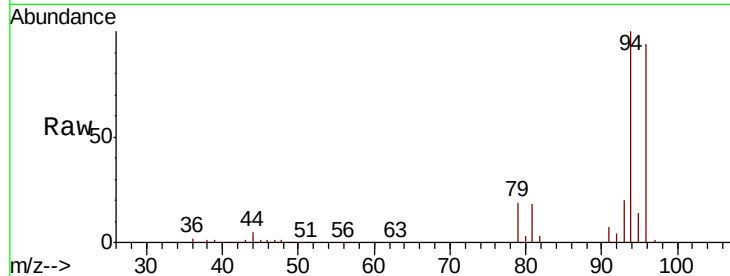
96 94.0 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

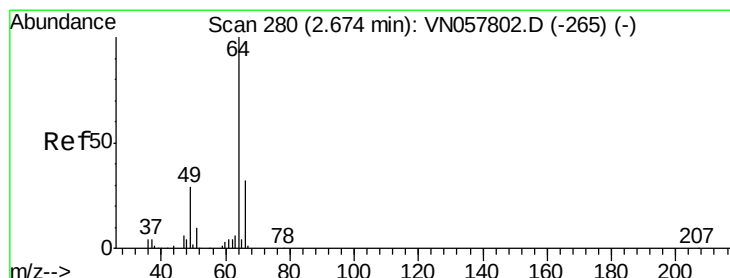
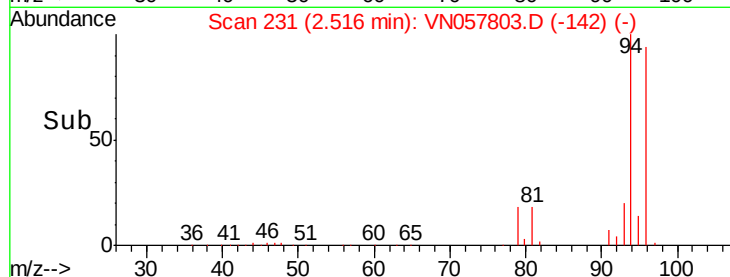
100000

50000

0

2.45 2.50 2.55

Time-->



#6

Chloroethane

Concen: 95.554 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN057803.D

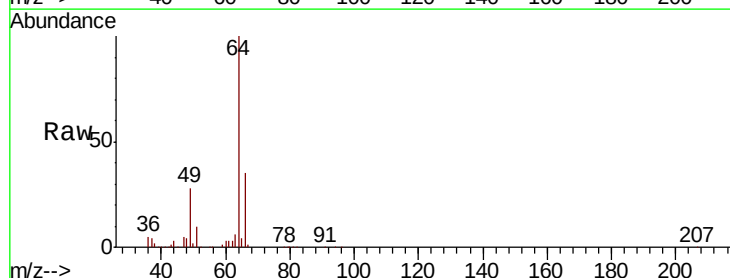
Acq: 9 Sep 2019 16:10

Tgt Ion: 64 Resp: 295775

Ion Ratio Lower Upper

64 100

66 34.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

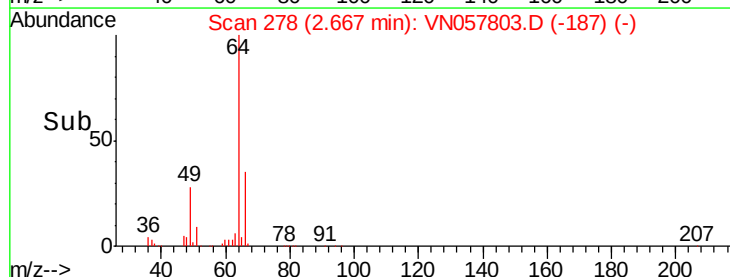
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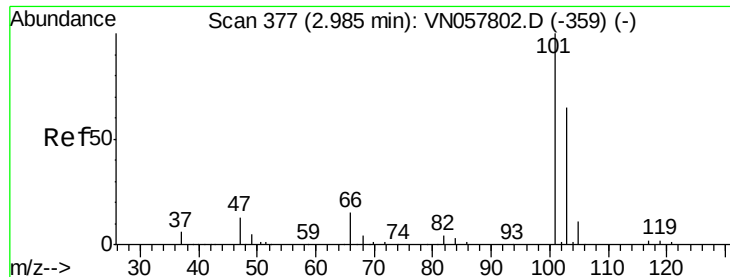
50000

0

2.60 2.70 2.80

Time-->





#7

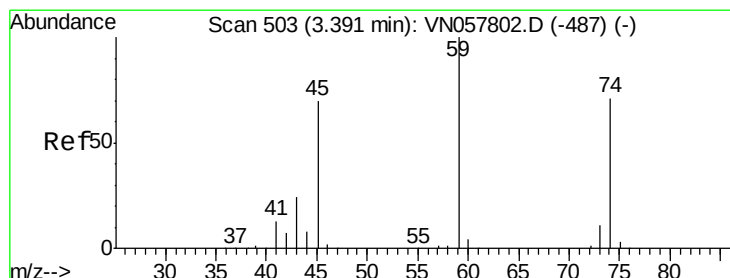
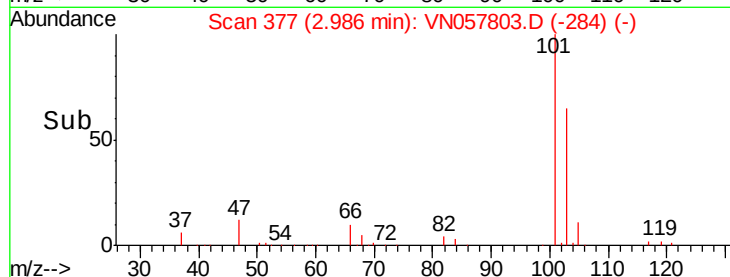
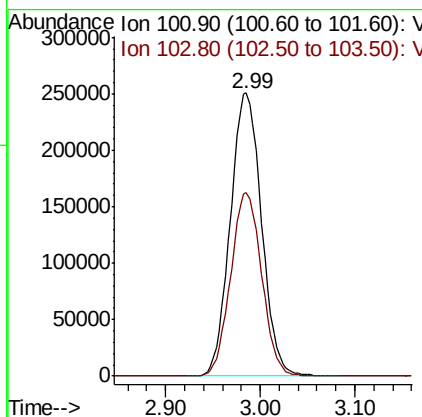
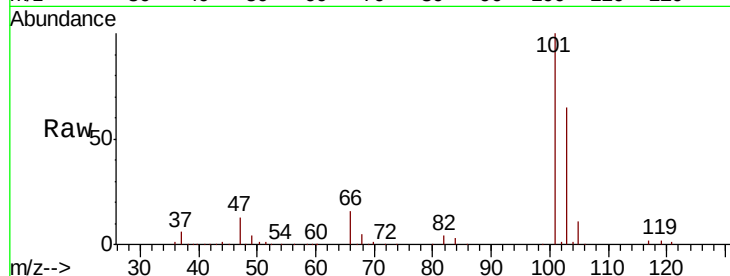
Trichlorofluoromethane
Concen: 71.833 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.9	77.9

Manual Integrations
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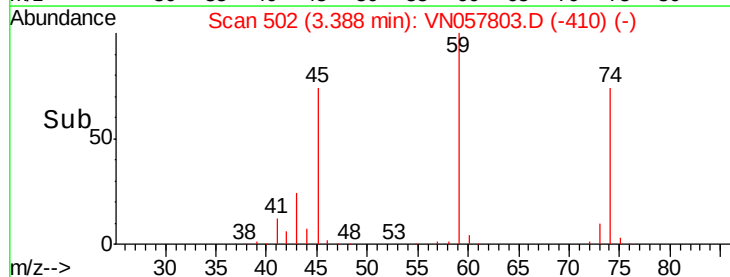
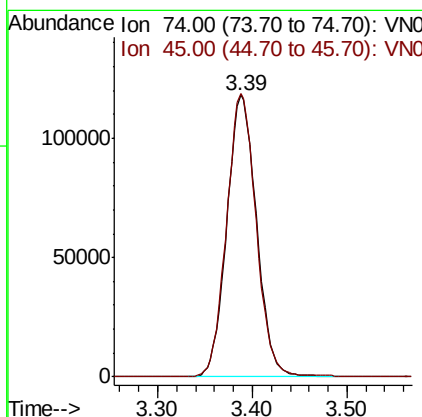
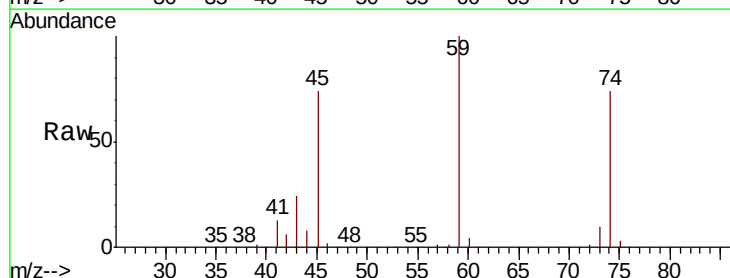
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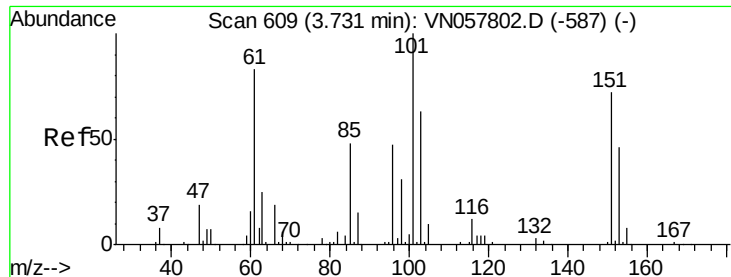


#8

Diethyl Ether
Concen: 80.644 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.355 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

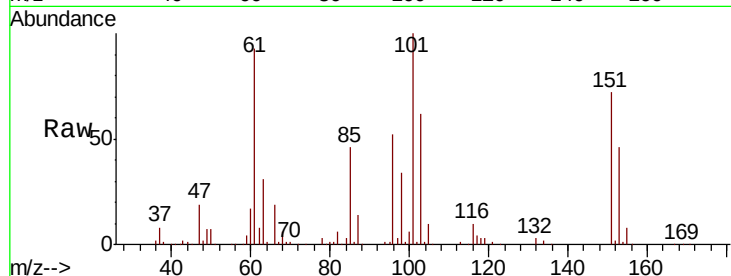
ClientSampleId :

VSTDIC100

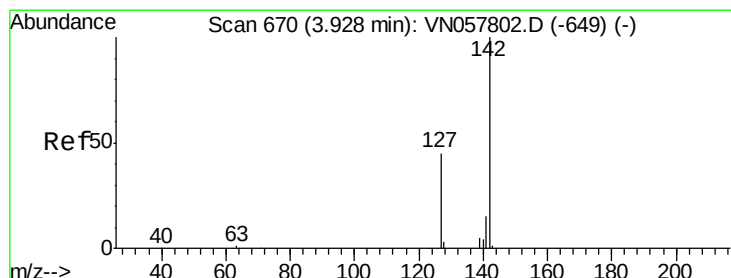
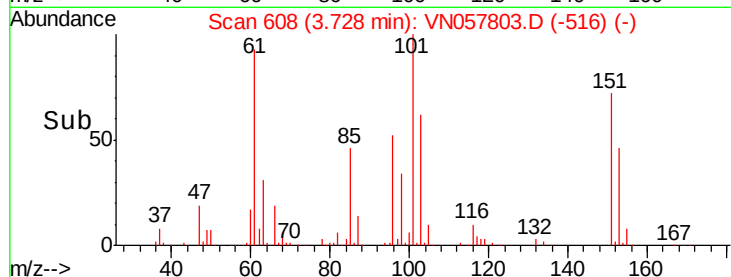
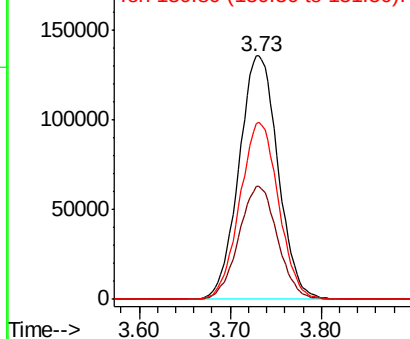
Tot Ion:	101	Resp:	403672
Ion Ratio	Lower	Upper	
101	100		
85	45.9	38.1	57.1
151	72.2	58.4	87.6

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



#10

Methyl Iodide

Concen: 93.703 ug/l

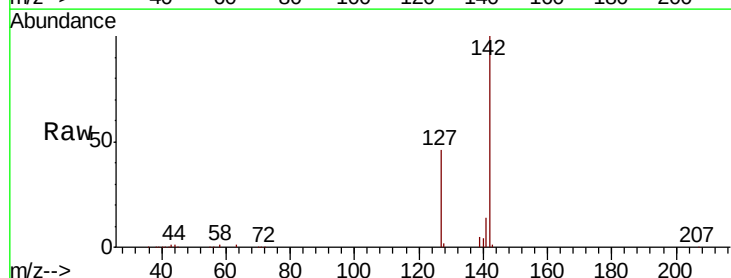
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

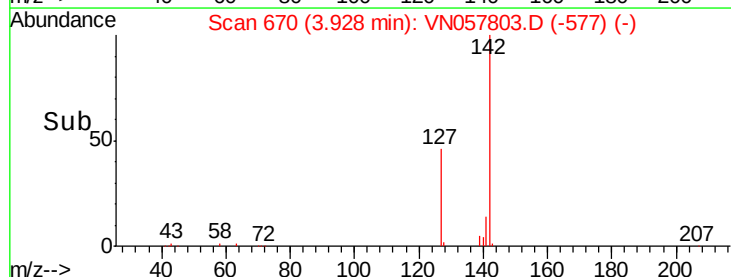
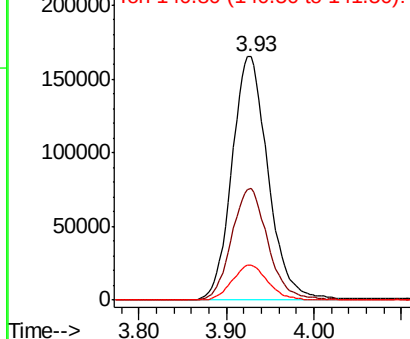
Lab File: VN057803.D

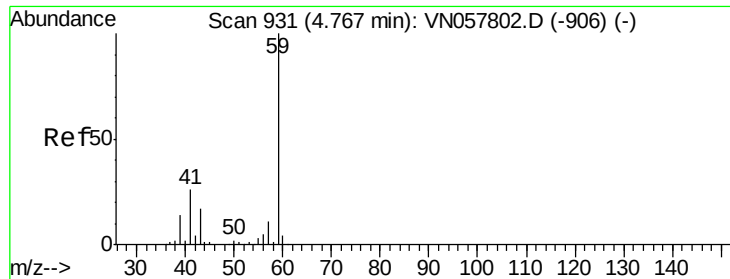
Acq: 9 Sep 2019 16:10

Tgt Ion:	142	Resp:	473394
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.4	11.4	17.0



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





#11

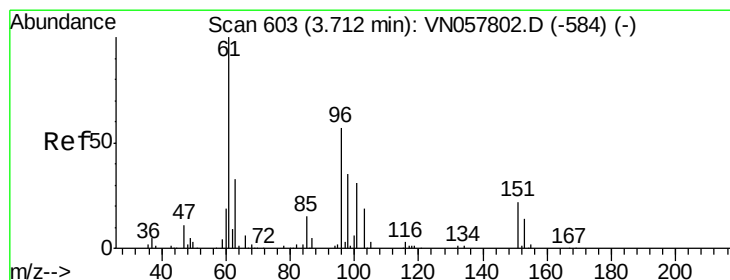
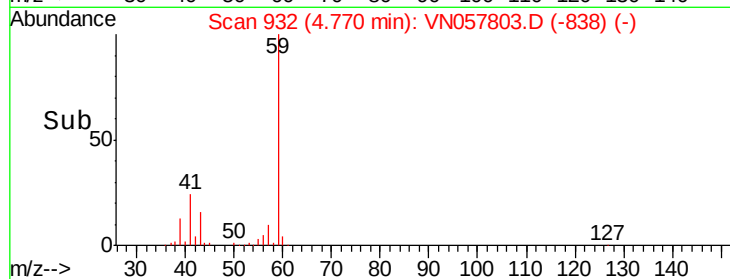
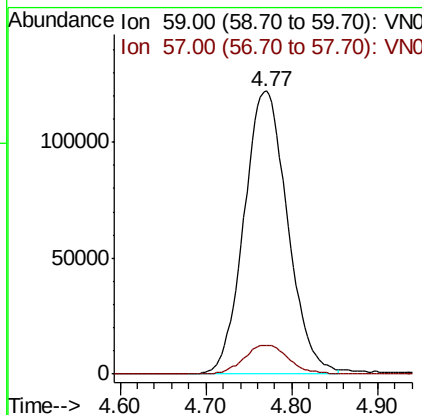
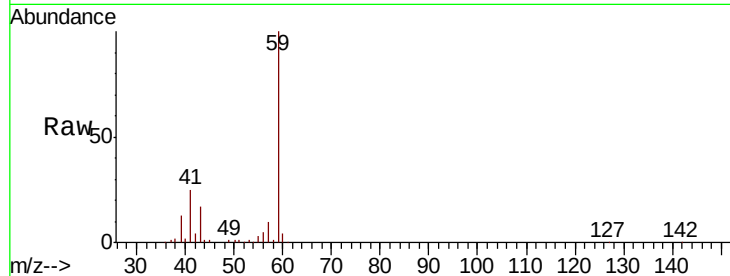
Tert butyl alcohol
Concen: 418.646 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	59	Resp	430176
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

Manual Integrations
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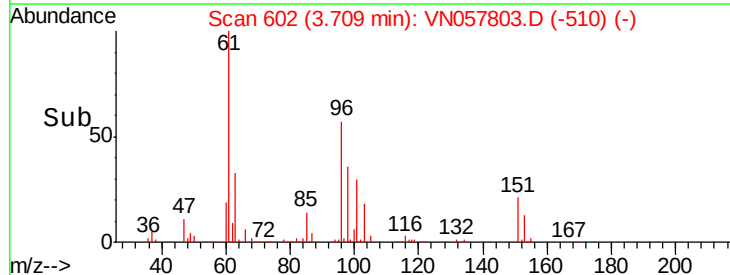
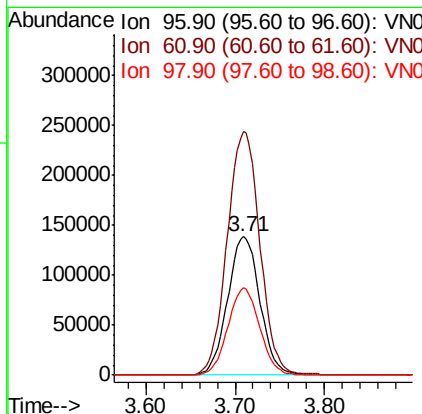
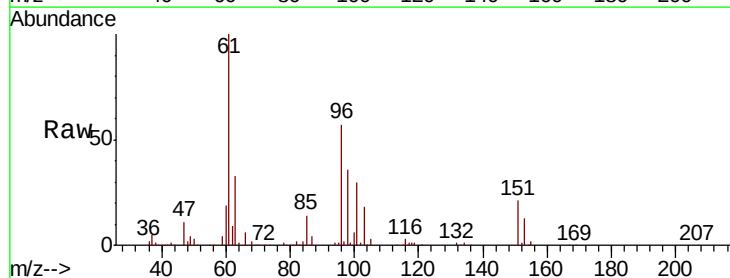
MMDadoda
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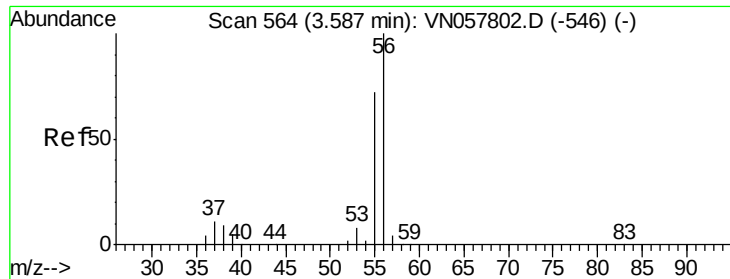


#12

1,1-Dichloroethene
Concen: 77.604 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	96	Resp	348802
Ion Ratio	100	Lower	Upper
61	176.2	141.2	211.8
98	63.4	49.9	74.9





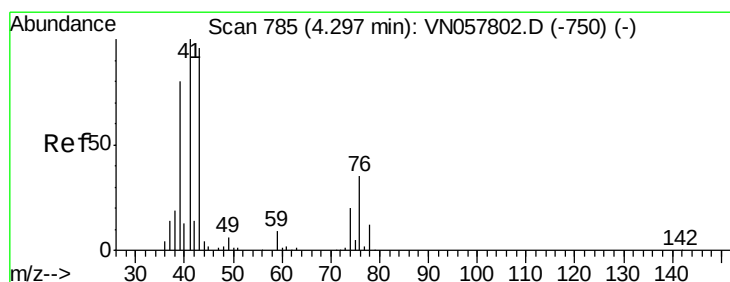
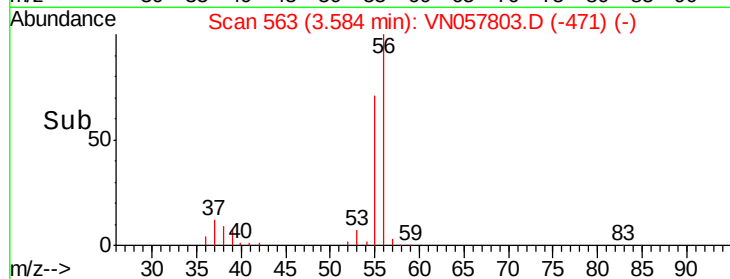
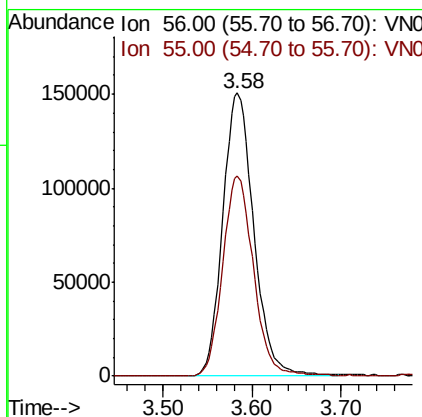
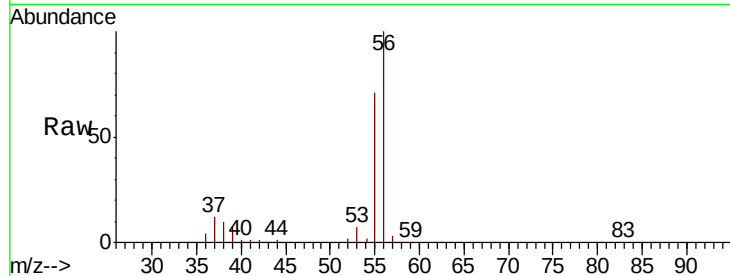
#13
Acrolein
Concen: 657.001 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.3	85.9

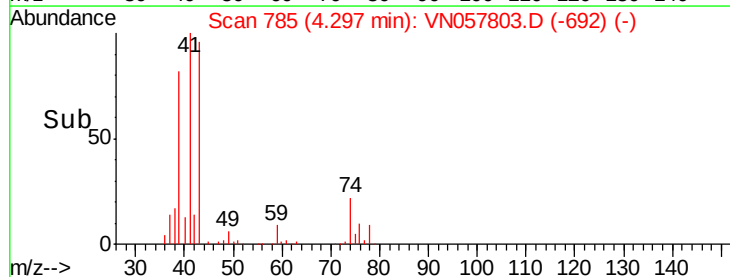
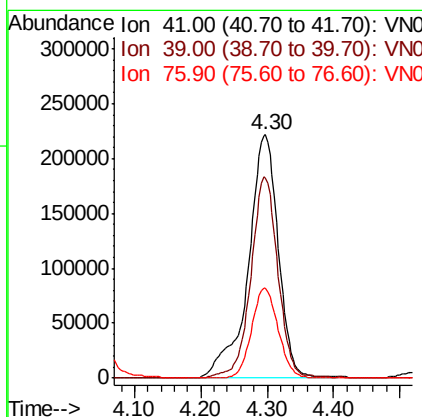
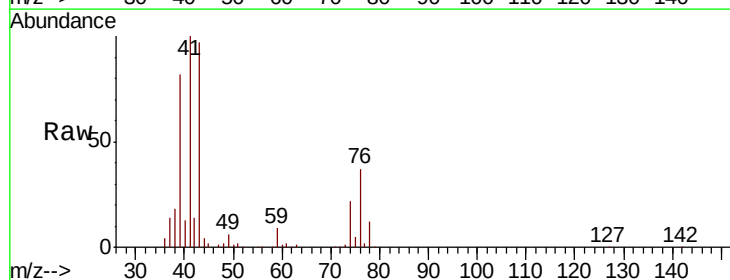
Manual Integrations
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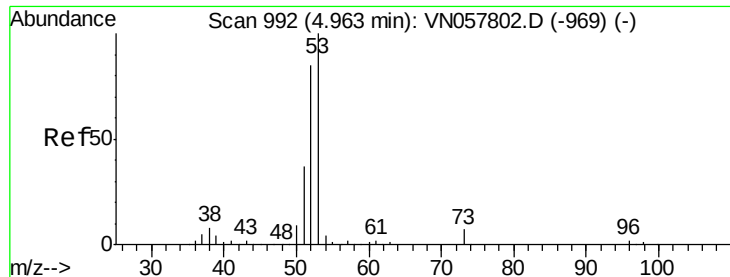
MMDadoda
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#14
Allyl chloride
Concen: 69.730 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.4	59.4	89.2
76	32.3	26.0	39.0





#15

Acrylonitrile

Concen: 453.469 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1190120

Ion Ratio Lower Upper

53 100

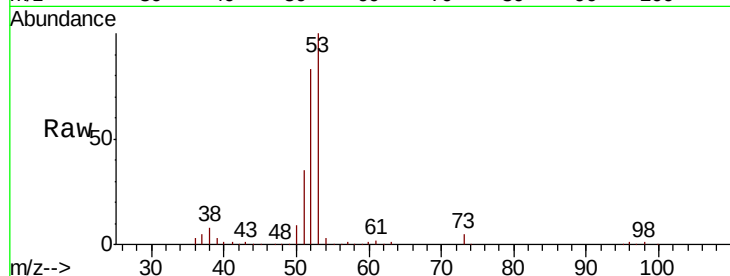
52 82.6 66.6 100.0

51 36.5 29.8 44.8

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Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)

4.96

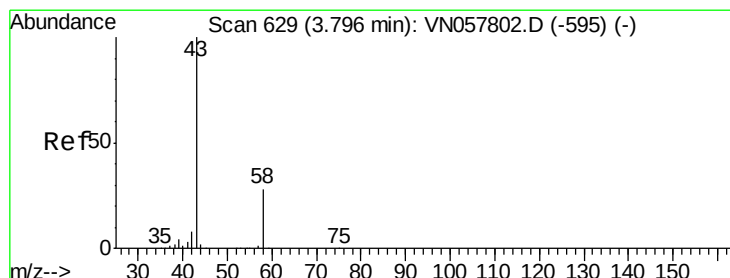
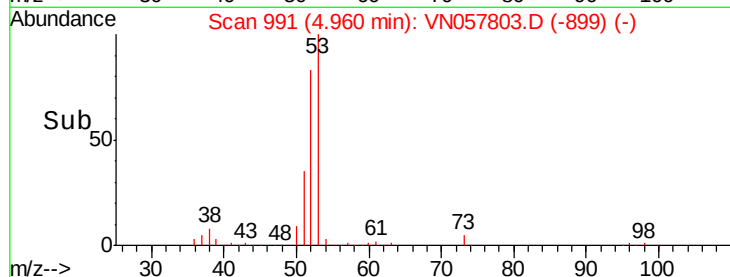
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 399.400 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057803.D

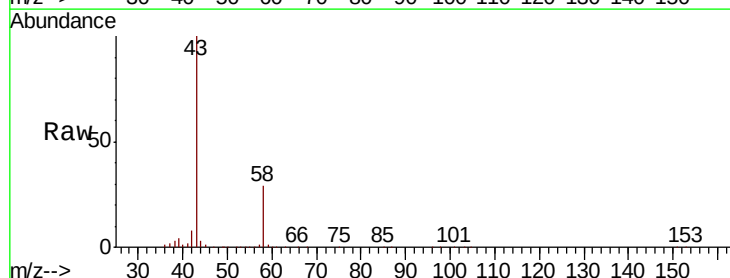
Acq: 9 Sep 2019 16:10

Tgt Ion: 43 Resp: 1104988

Ion Ratio Lower Upper

43 100

58 29.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

3.80

400000

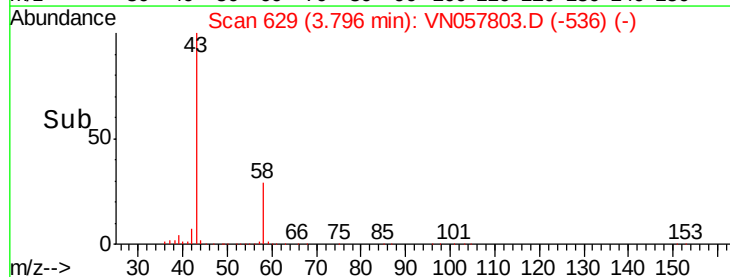
300000

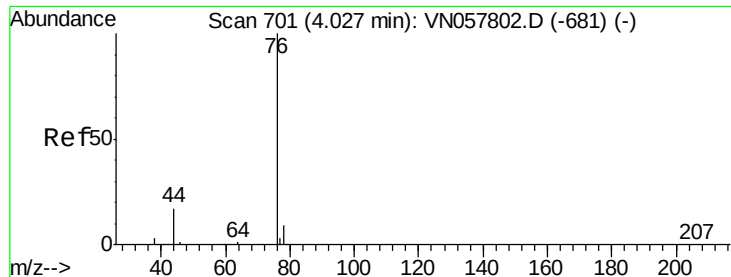
200000

100000

0

Time-->





#17

Carbon Disulfide

Concen: 61.035 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 594259

Ion Ratio Lower Upper

76 100

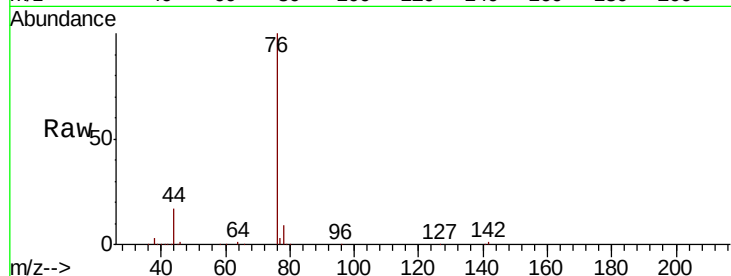
78 9.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

250000

200000

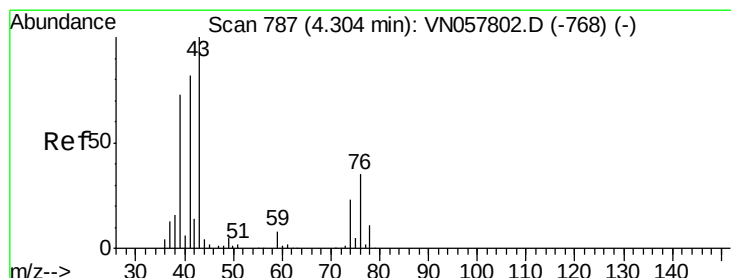
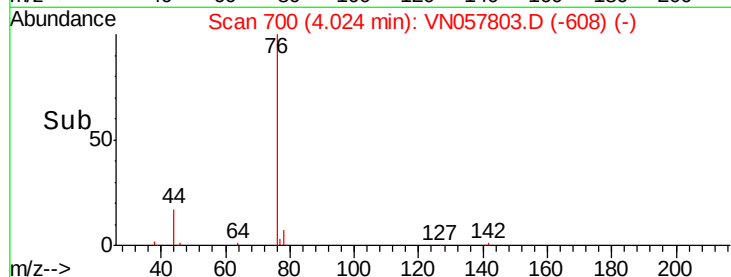
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 81.898 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057803.D

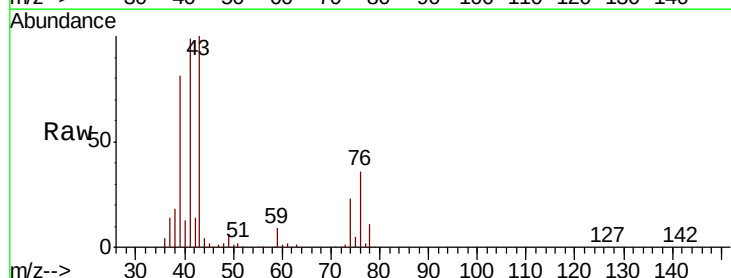
Acq: 9 Sep 2019 16:10

Tgt Ion: 43 Resp: 613449

Ion Ratio Lower Upper

43 100

74 22.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

250000

200000

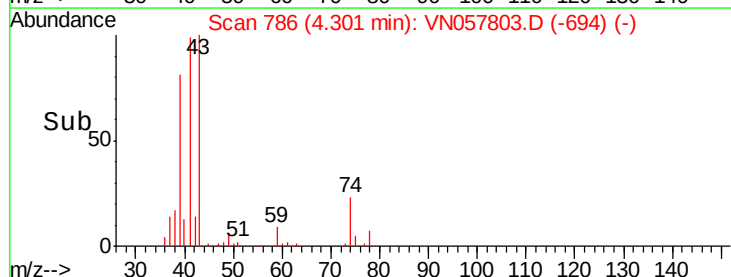
150000

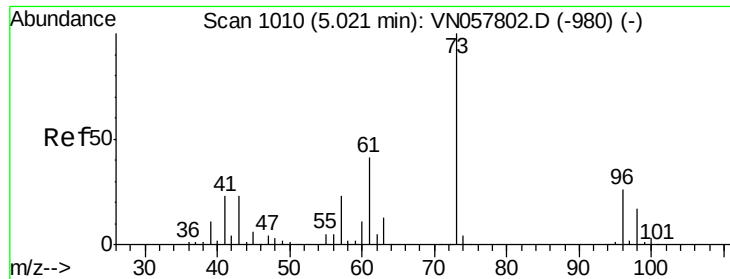
100000

50000

0

Time-->





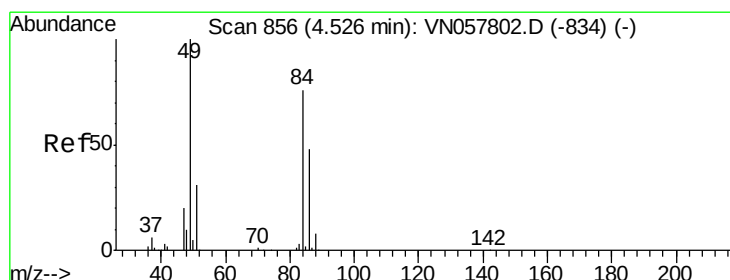
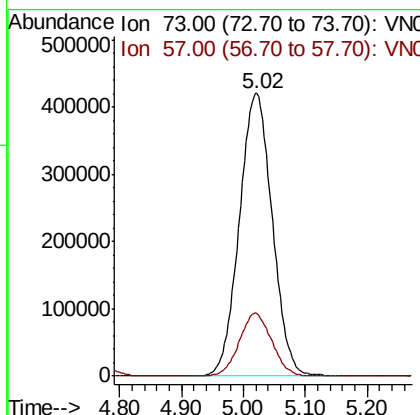
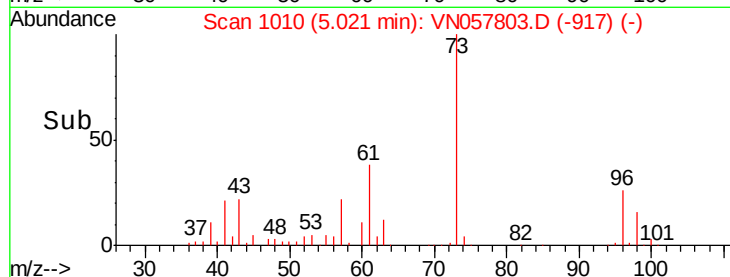
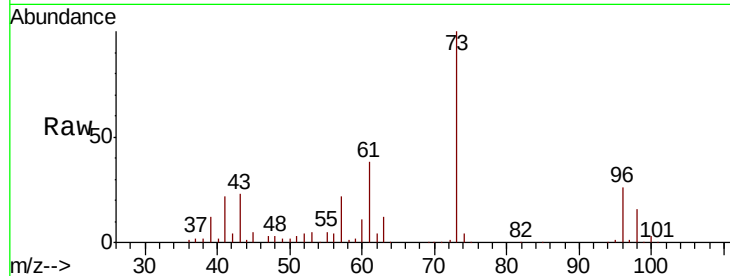
#19
Methvl tert-butyl Ether
Concen: 81.782 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1554346
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.2

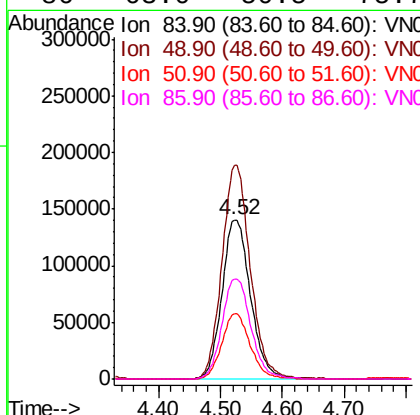
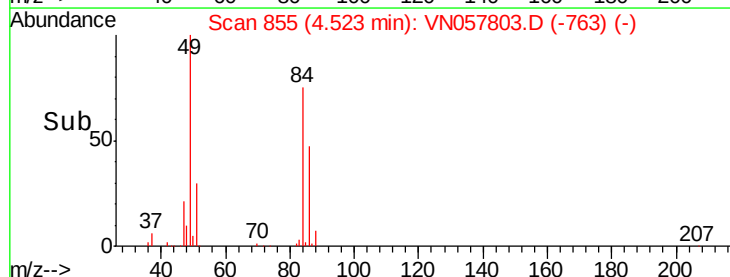
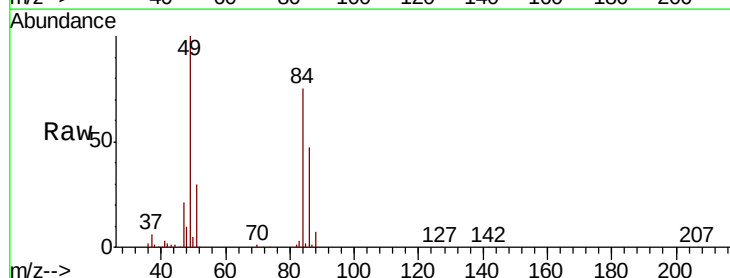
Manual Integrations
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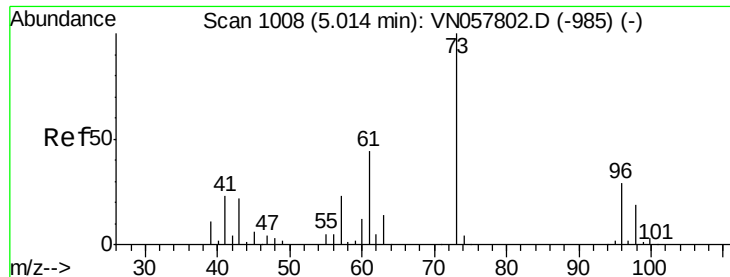
MMDadoda
9/10/2019 4:30:13 PM



#20
Methylene Chloride
Concen: 76.234 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion: 84 Resp: 450175
Ion Ratio Lower Upper
84 100
49 134.1 104.8 157.2
51 40.8 33.0 49.4
86 63.0 50.5 75.7





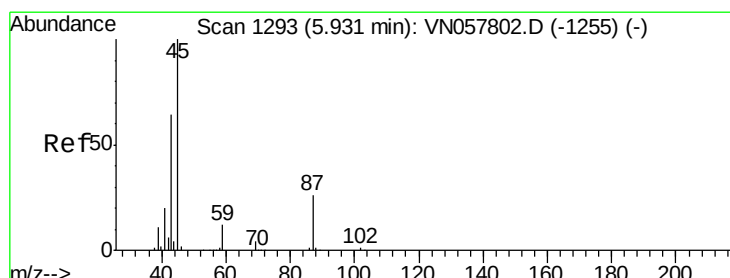
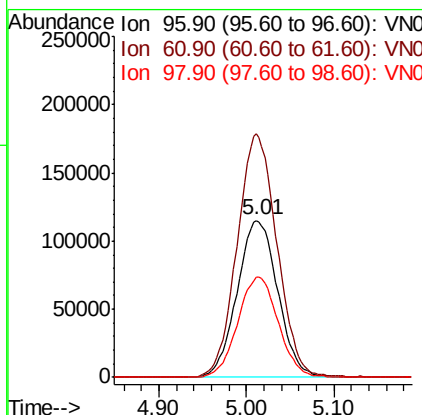
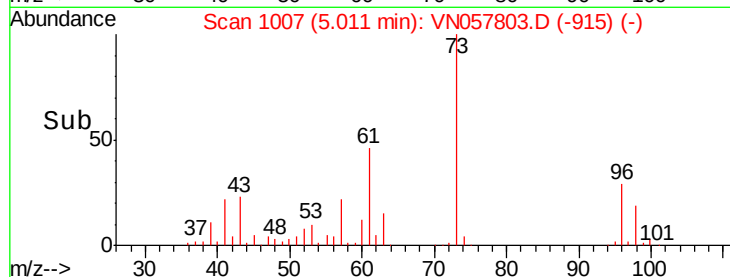
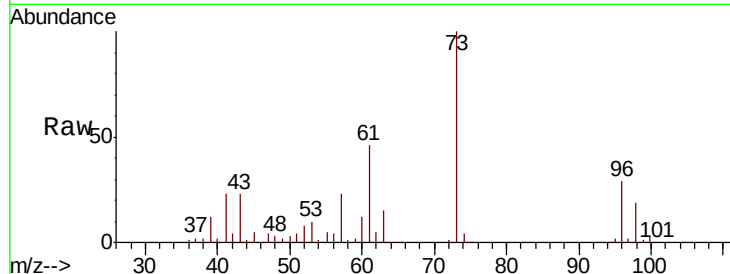
#21
trans-1,2-Dichloroethene
Concen: 78.384 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	121.9	182.9
98	63.5	52.2	78.4

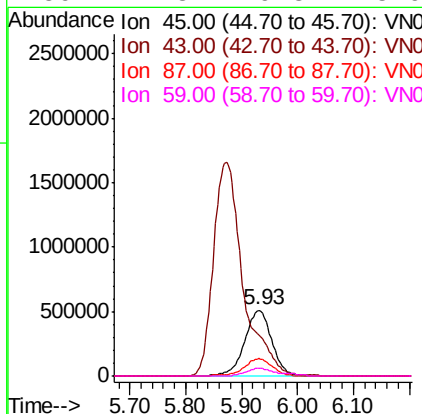
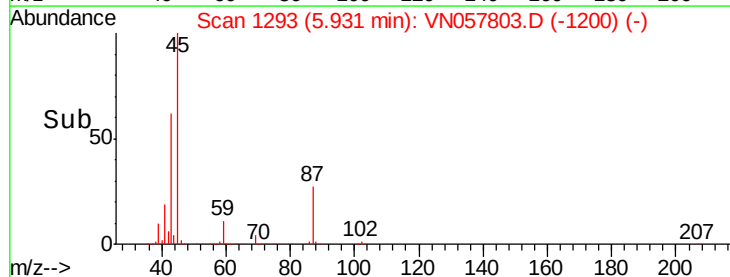
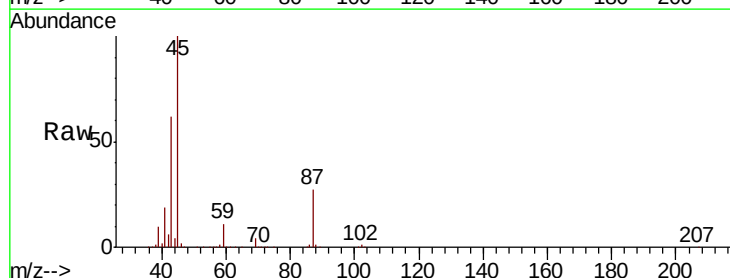
Manual Integrations
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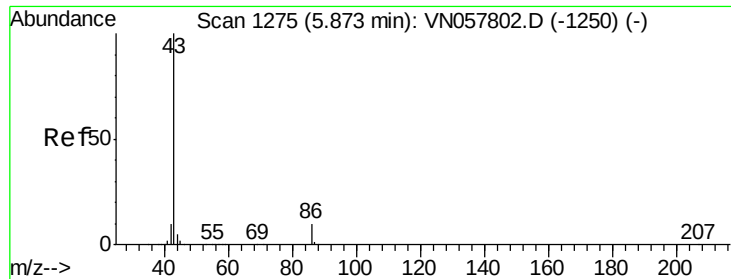
MMDadoda
9/10/2019 4:30:13 PM



#22
Diisopropyl ether
Concen: 78.892 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	51.4	77.2
87	26.5	21.3	31.9
59	11.3	9.3	13.9





#23

Vinyl Acetate

Concen: 354.421 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 6115515

Ion Ratio Lower Upper

43 100

86 11.0

7.7

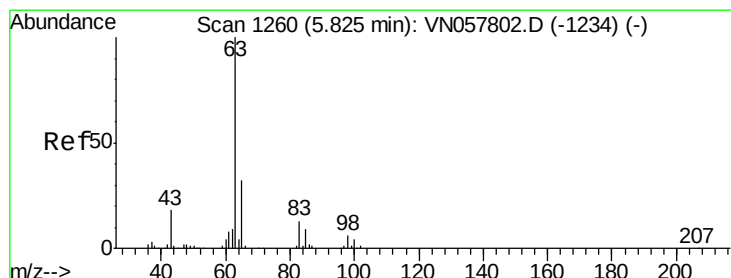
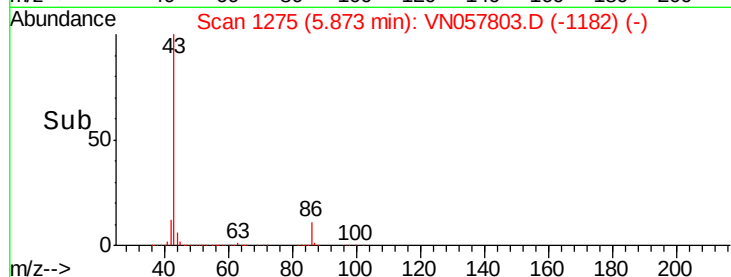
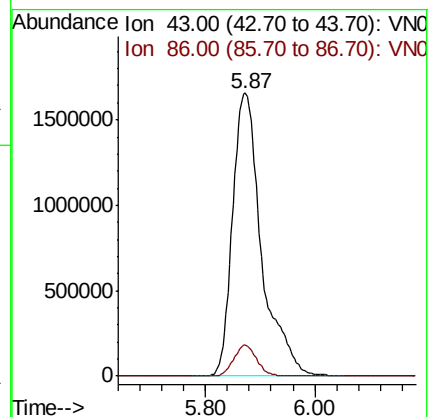
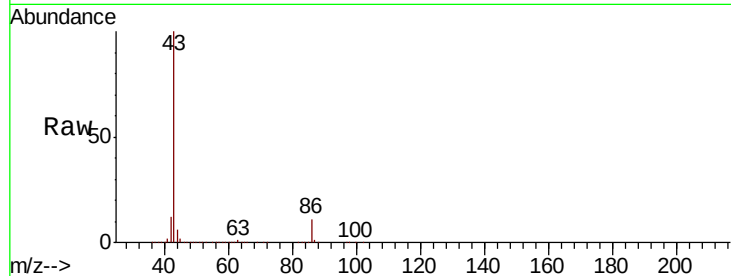
11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 79.767 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Tgt Ion: 63 Resp: 895715

Ion Ratio Lower Upper

63 100

98 5.8

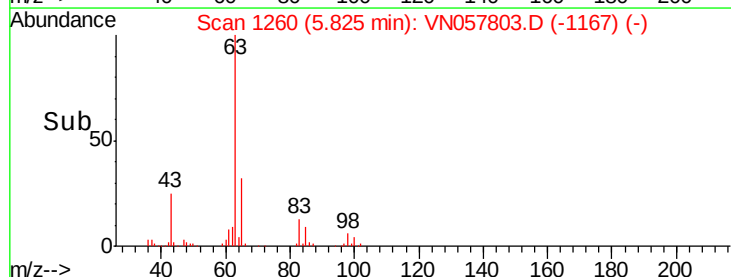
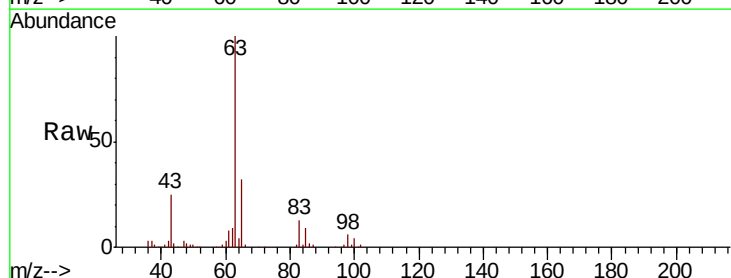
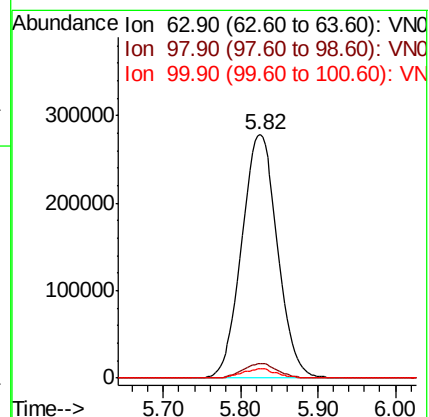
3.0

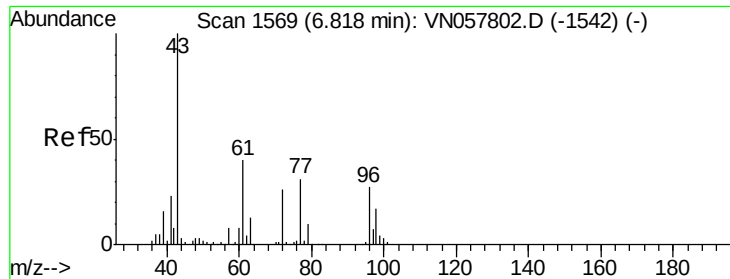
9.2

100 3.8

2.0

5.8





#25

2-Butanone

Concen: 423.419 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1672423

Ion Ratio Lower Upper

43 100

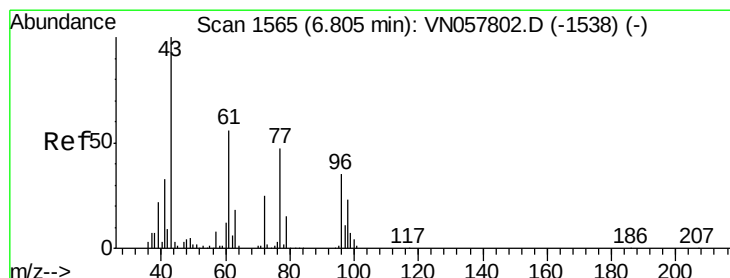
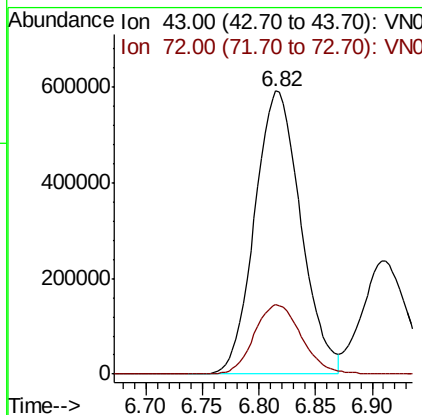
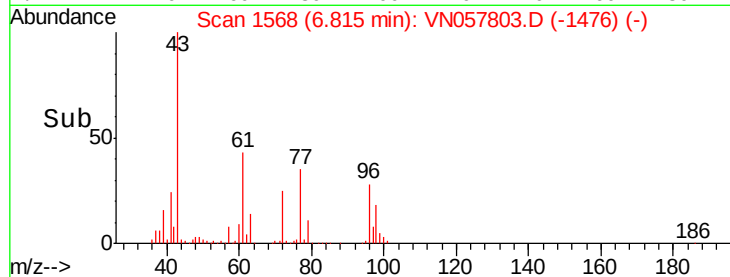
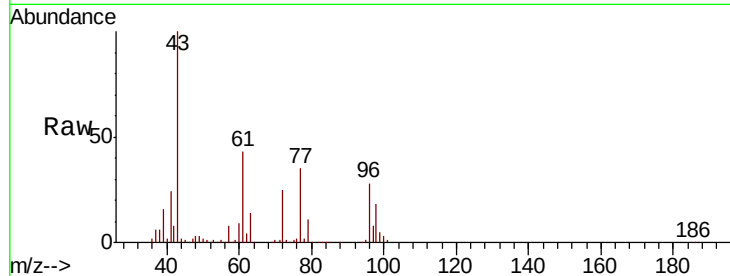
72 24.6 20.6 30.8

Manual Integrations

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MMDadoda

9/10/2019 4:30:13 PM



#26

2,2-Dichloropropane

Concen: 80.671 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057803.D

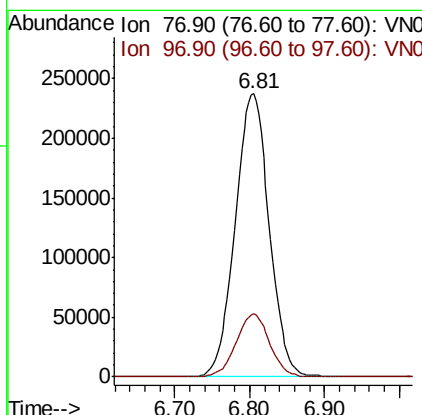
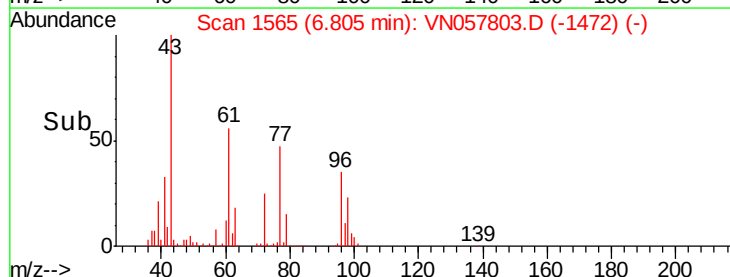
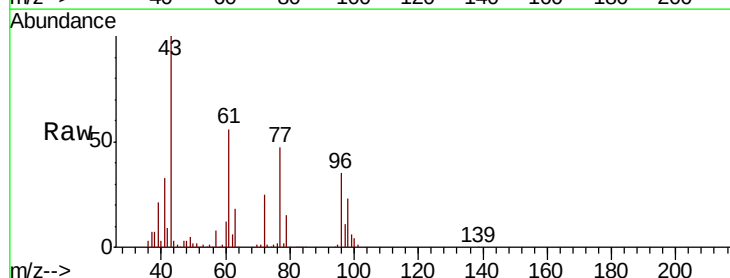
Acq: 9 Sep 2019 16:10

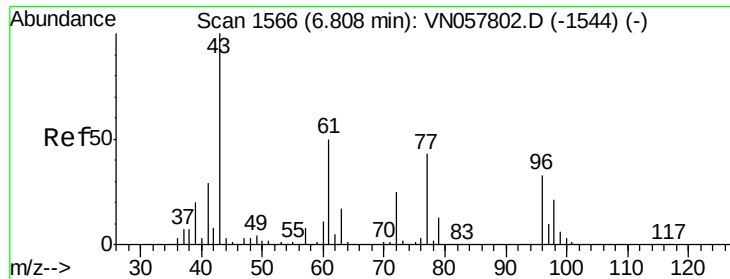
Tgt Ion: 77 Resp: 747754

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 85.139 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

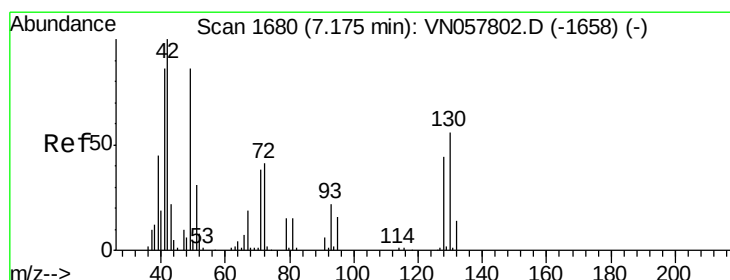
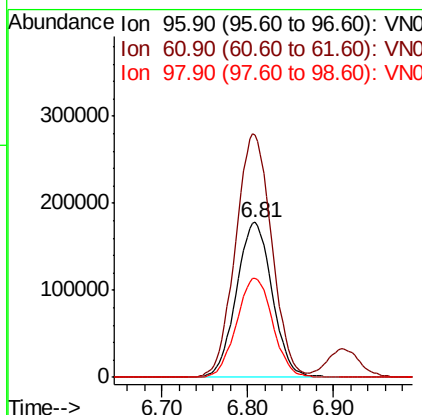
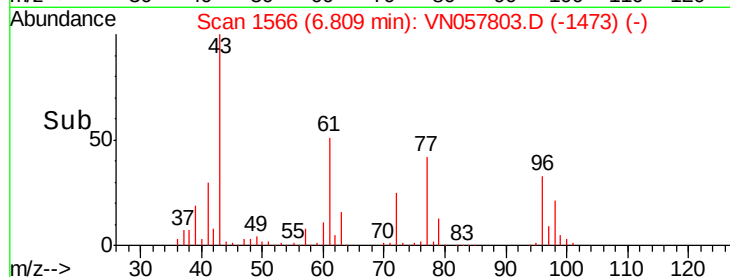
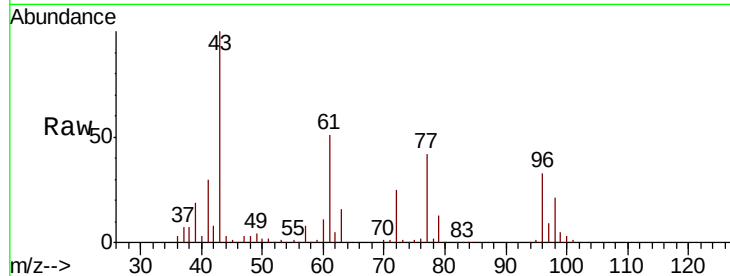
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	514682
Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	314.0
98	64.7	0.0	128.6

Manual Integrations
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9/10/2019 4:30:13 PM



#28

Bromochloromethane

Concen: 79.466 ug/l

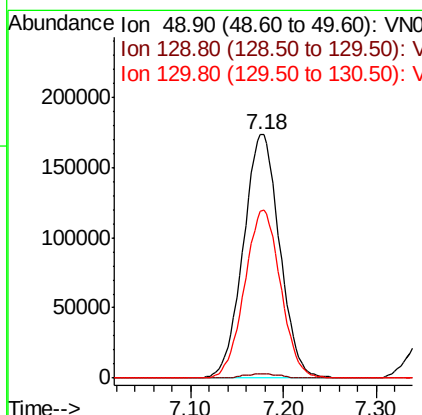
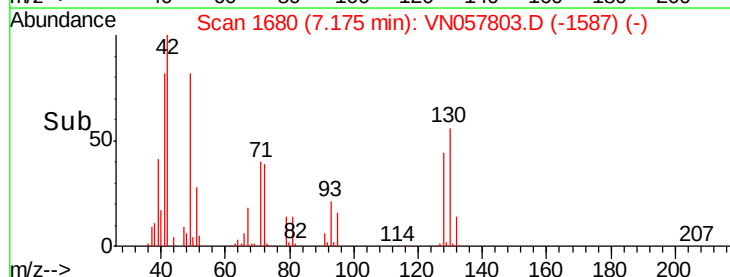
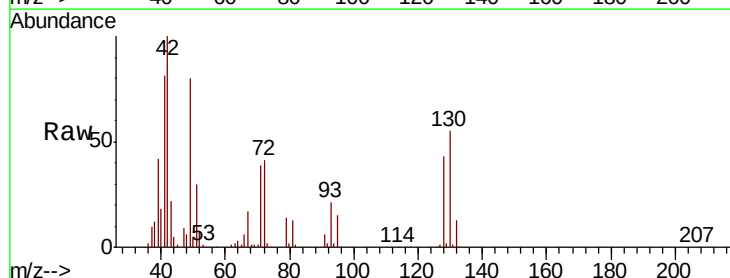
RT: 7.18 min Scan# 1680

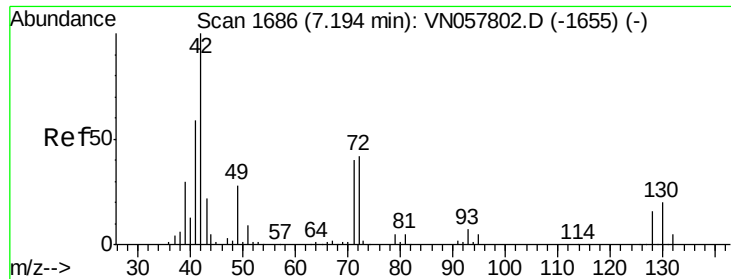
Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Tgt Ion:	49	Resp:	472088
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	68.7	53.0	79.6





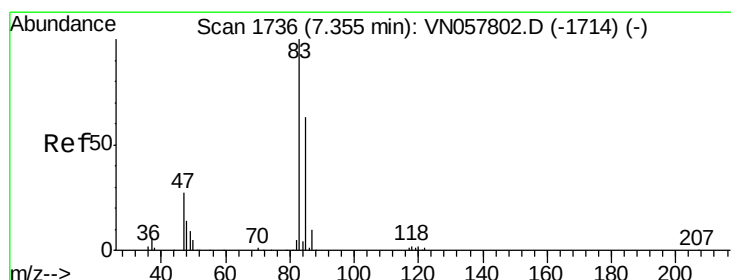
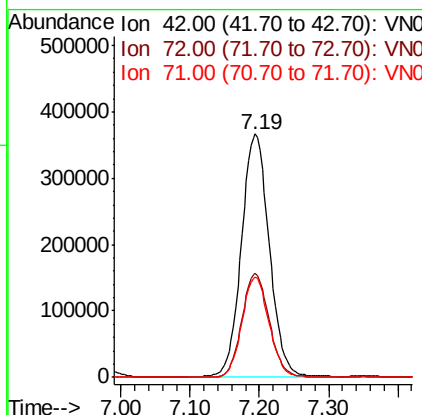
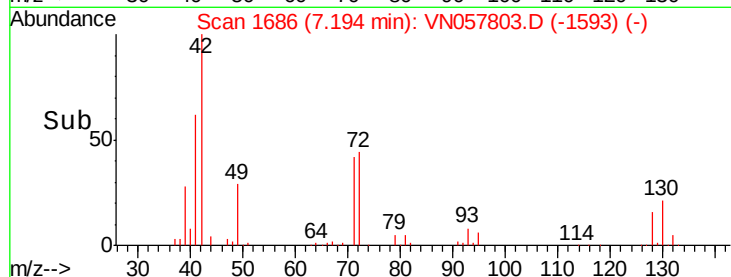
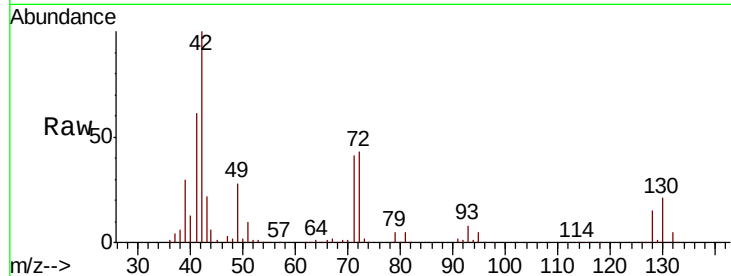
#29
Tetrahydrofuran
Concen: 407.056 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1028928
Ion Ratio Lower Upper
42 100
72 41.9 33.7 50.5
71 40.0 31.9 47.9

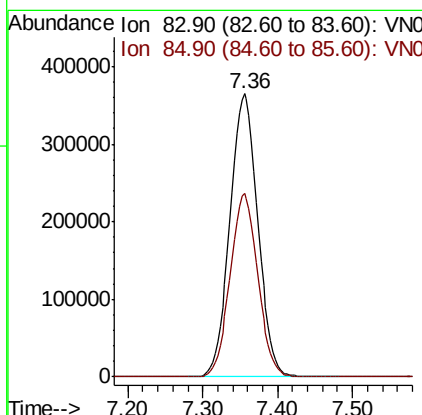
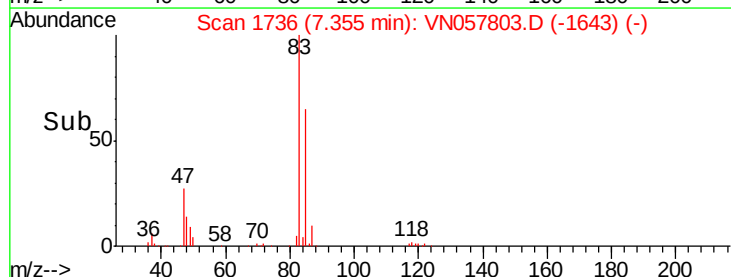
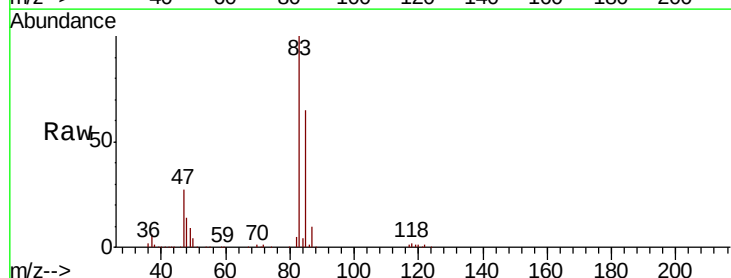
Manual Integrations
APPROVED

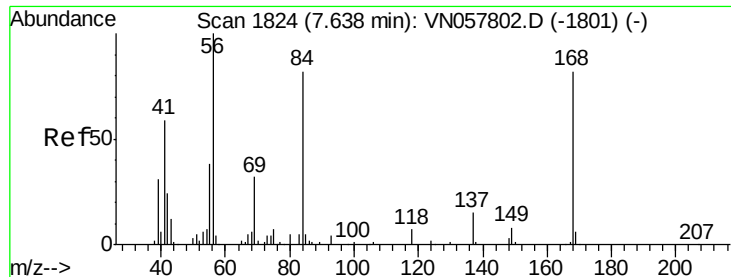
MMDadoda
9/10/2019 4:30:13 PM



#30
Chloroform
Concen: 80.676 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion: 83 Resp: 945260
Ion Ratio Lower Upper
83 100
85 64.8 50.6 75.8





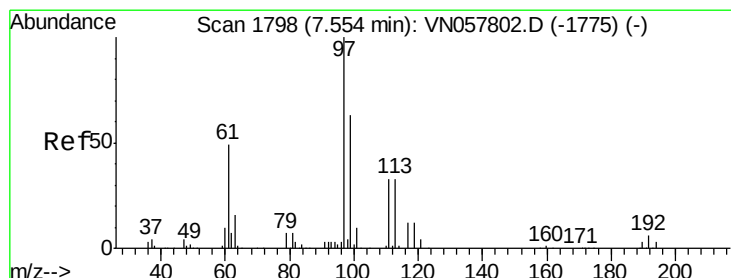
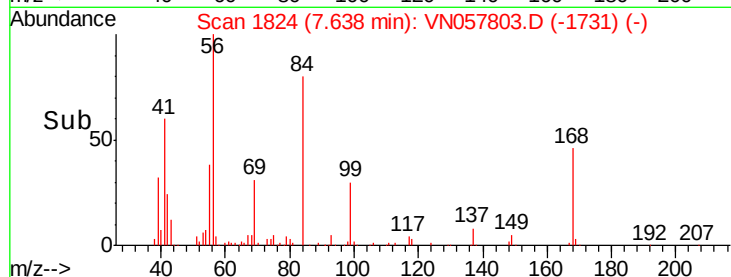
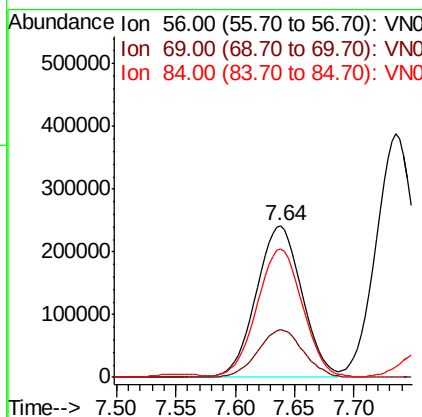
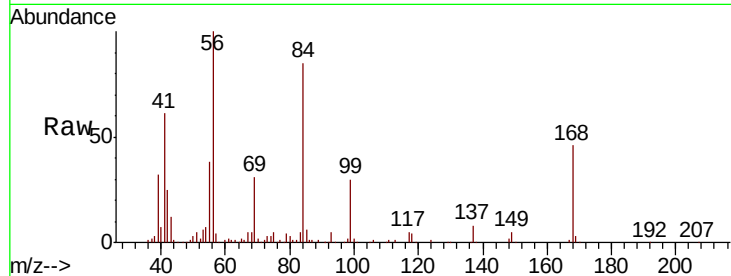
#31
Cyclohexane
Concen: 66.141 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.9	38.9
84	82.6	65.6	98.4

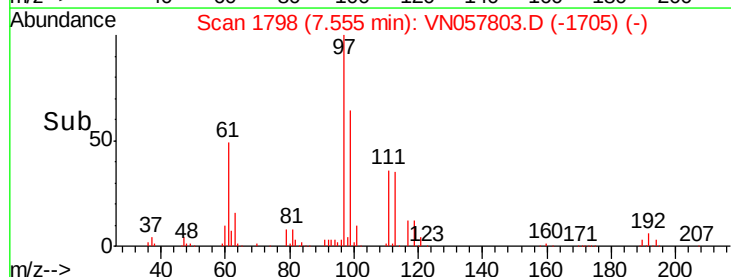
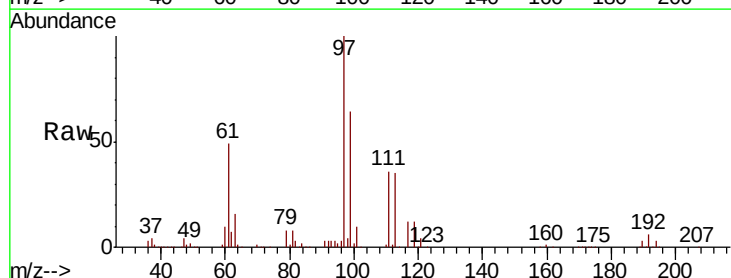
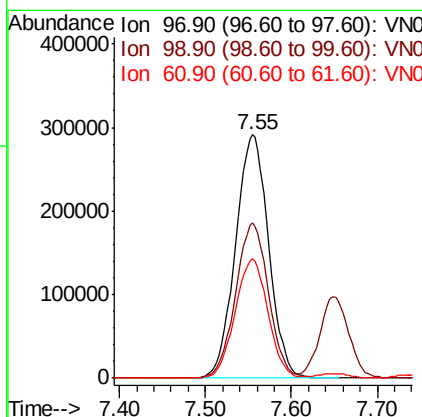
Manual Integrations
APPROVED

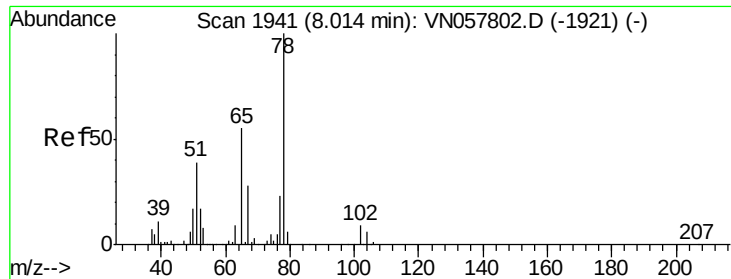
MMDadoda
9/10/2019 4:30:13 PM



#32
1,1,1-Trichloroethane
Concen: 80.467 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	48.7	39.0	58.6





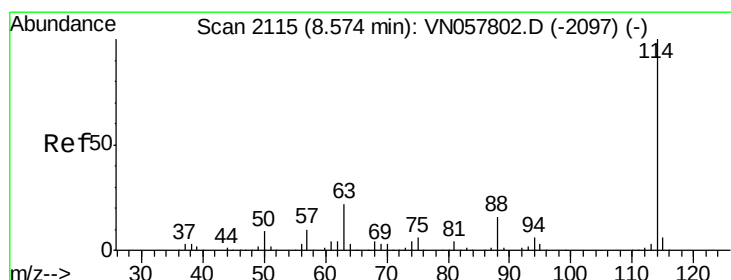
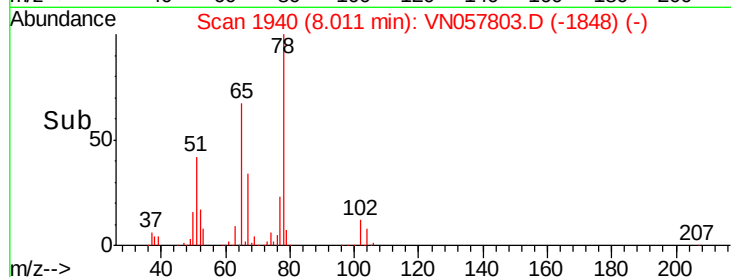
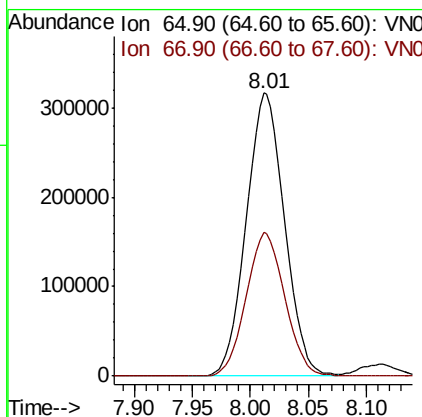
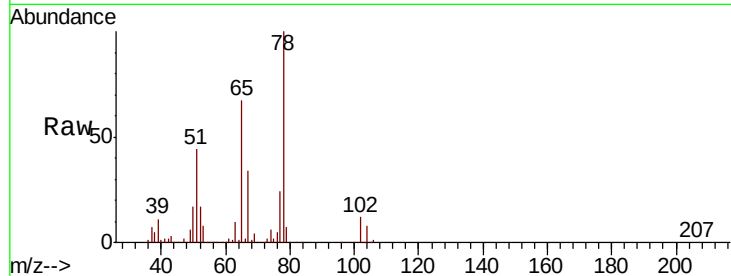
#33
 1,2-Dichloroethane-d4
 Concen: 82.992 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.0

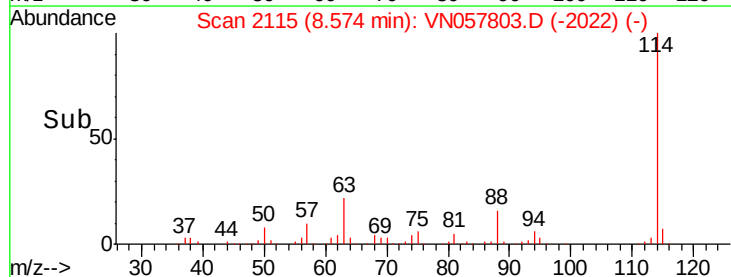
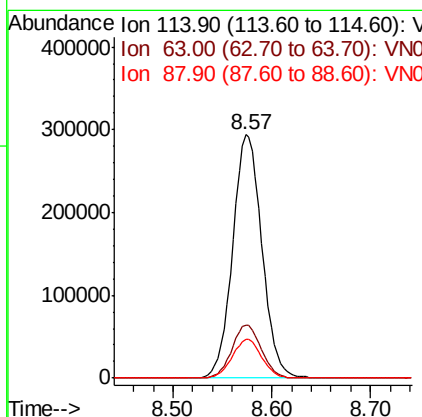
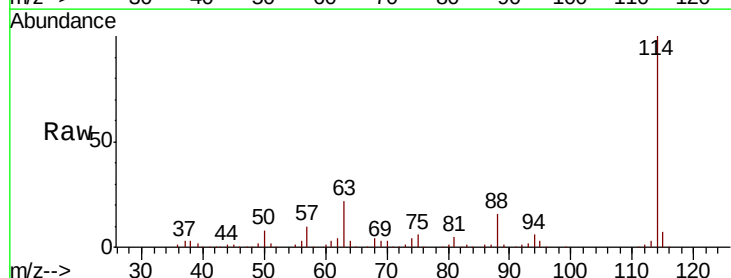
Manual Integrations
 APPROVED

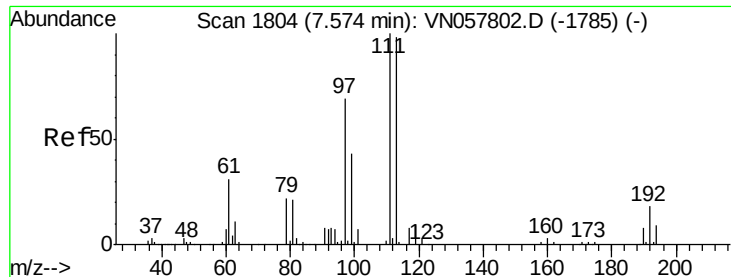
MMDadoda
 9/10/2019 4:30:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	15.9	0.0	31.4





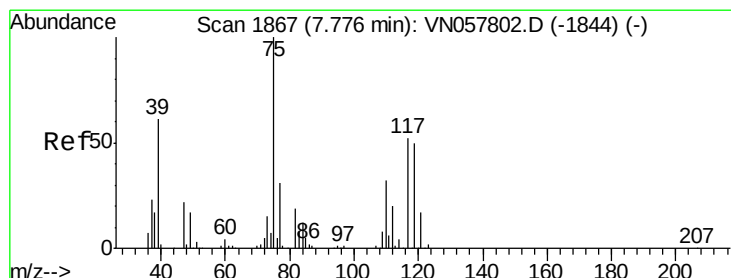
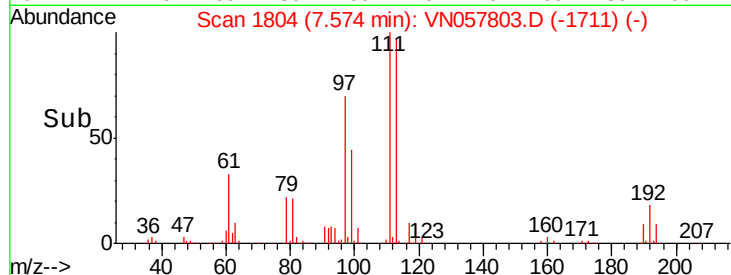
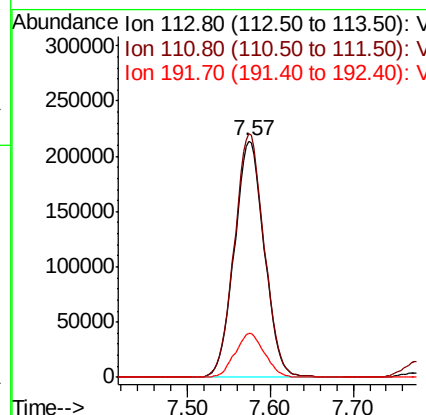
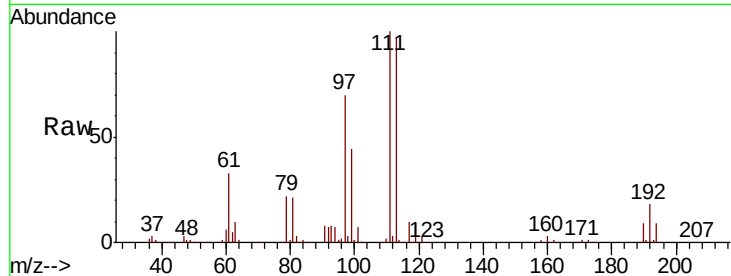
#35
Dibromofluoromethane
Concen: 97.612 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	536904		
111	103.1	81.3	121.9	
192	18.4	14.6	22.0	

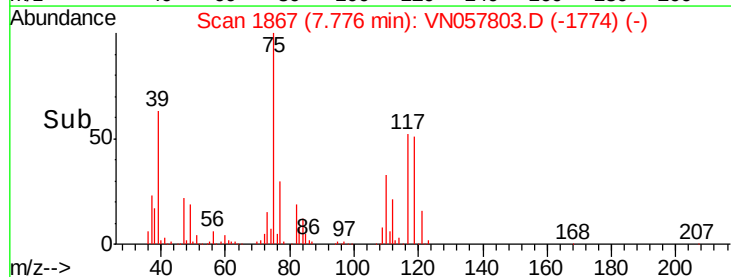
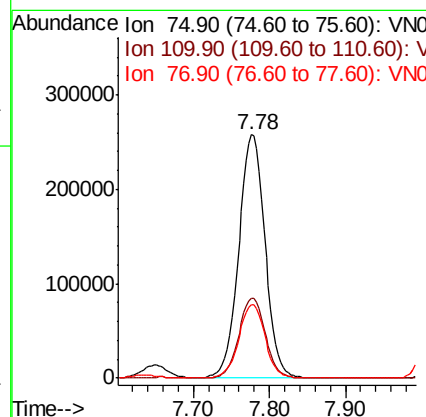
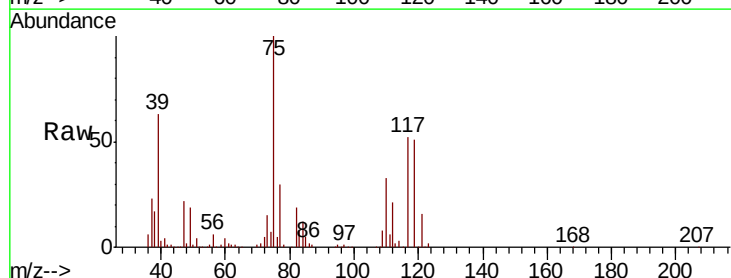
Manual Integrations
APPROVED

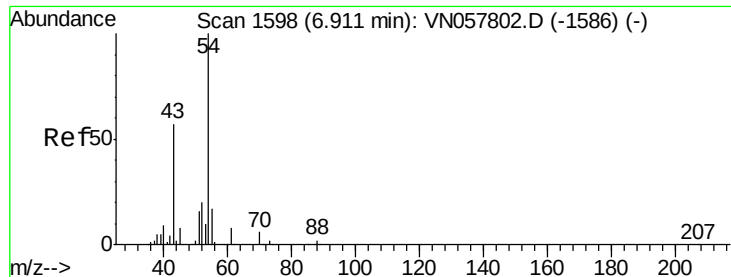
MMDadoda
9/10/2019 4:30:13 PM



#36
1,1-Dichloropropene
Concen: 78.851 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	617707		
110	33.2	16.3	48.9	
77	30.6	25.0	37.4	





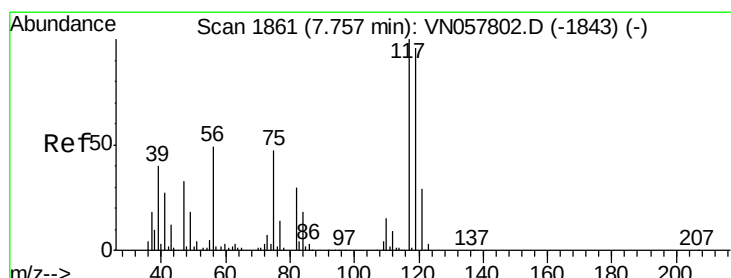
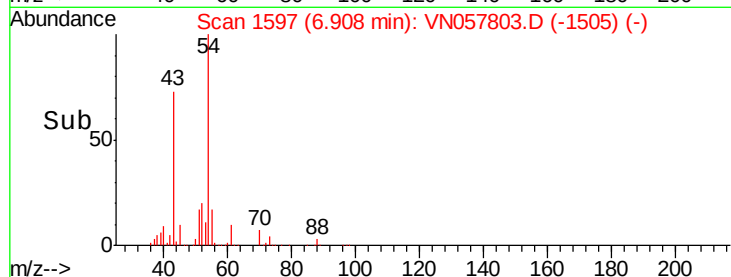
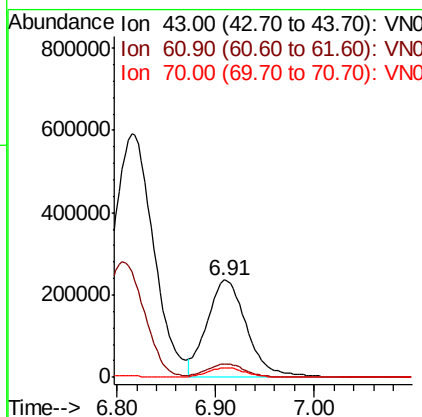
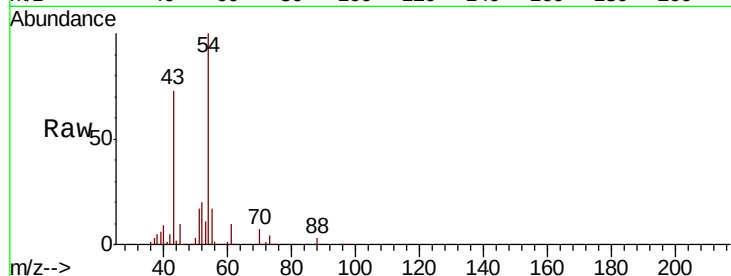
#37
Ethyl Acetate
Concen: 84.409 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.5	7.4	11.0

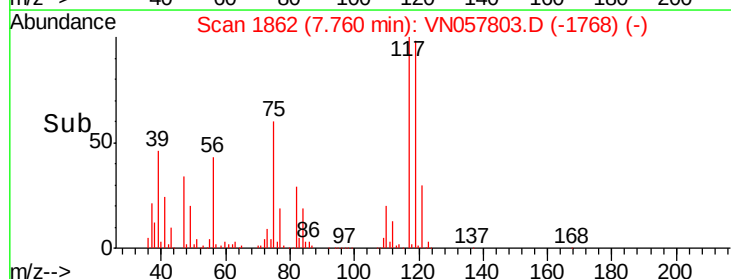
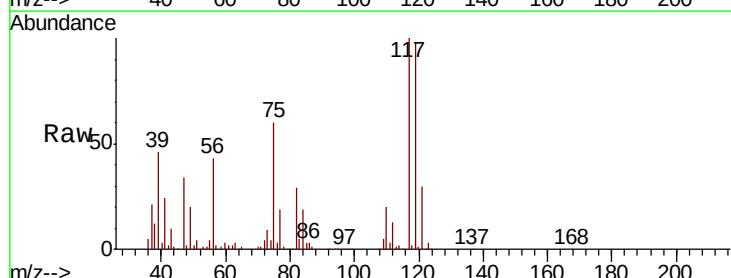
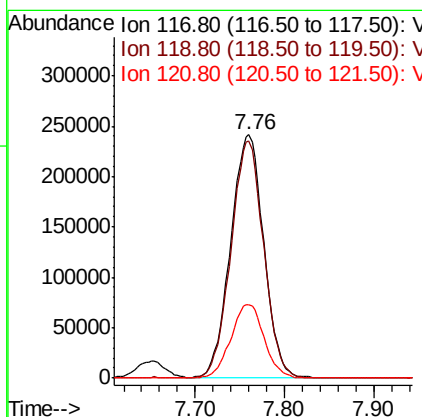
Manual Integrations
APPROVED

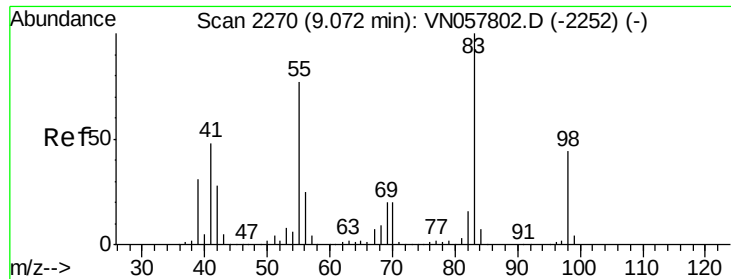
MMDadoda
9/10/2019 4:30:13 PM



#38
Carbon Tetrachloride
Concen: 83.441 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.9	115.3
121	30.2	23.4	35.2





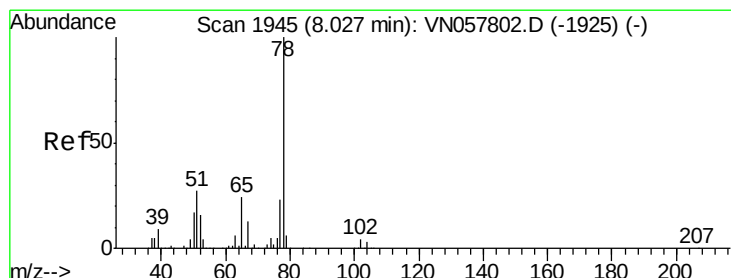
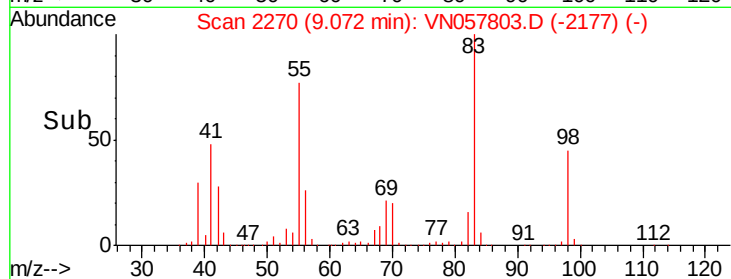
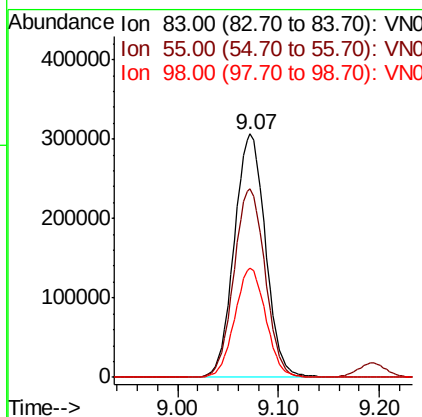
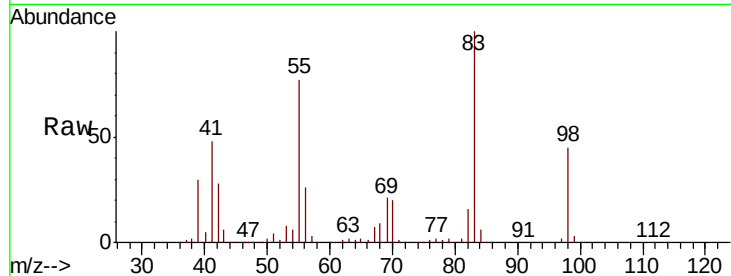
#39
Methylvlcyclohexane
Concen: 79.942 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	658182
Ion Ratio	Lower	Upper	
83	100		
55	77.3	61.6	92.4
98	44.7	34.9	52.3

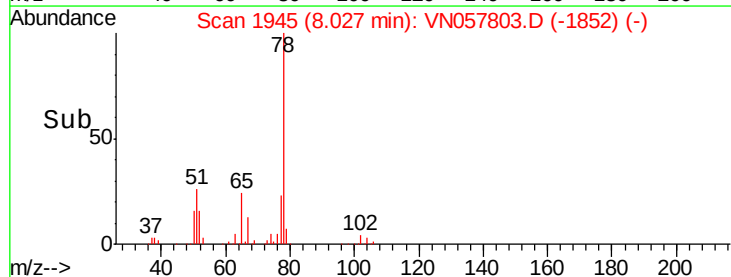
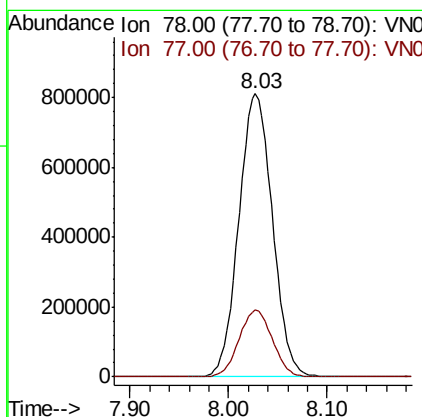
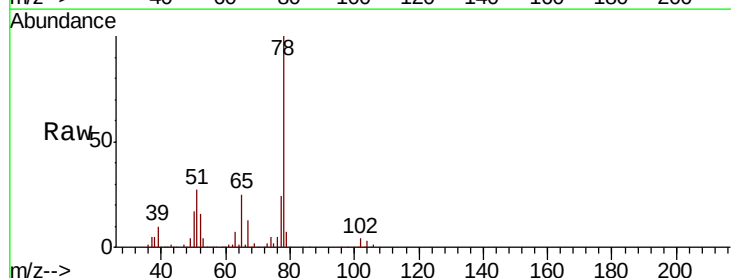
Manual Integrations
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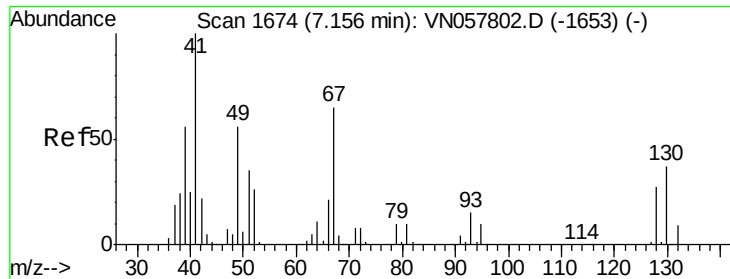
MMDadoda
9/10/2019 4:30:13 PM



#40
Benzene
Concen: 85.446 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	78	Resp	1913538
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.3	27.5





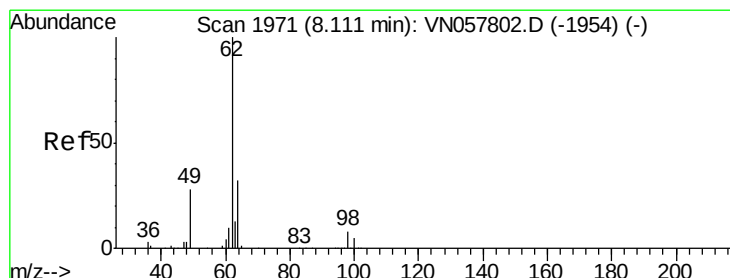
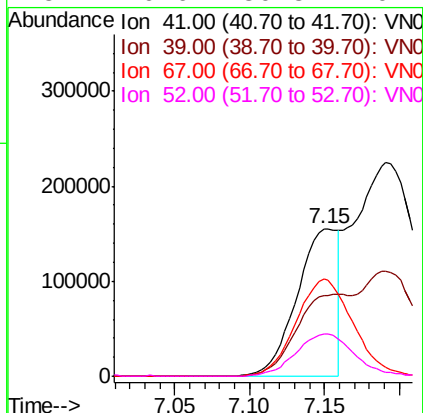
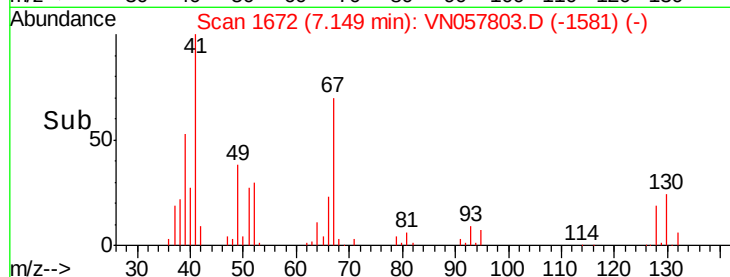
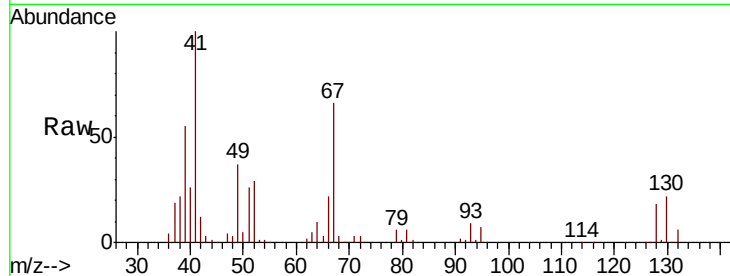
#41
Methacrylonitrile
Concen: 77.257 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	294071
Ion Ratio	Lower	Upper	
41	100		
39	73.2	51.0	76.6
67	91.9	70.7	106.1
52	40.6	30.8	46.2

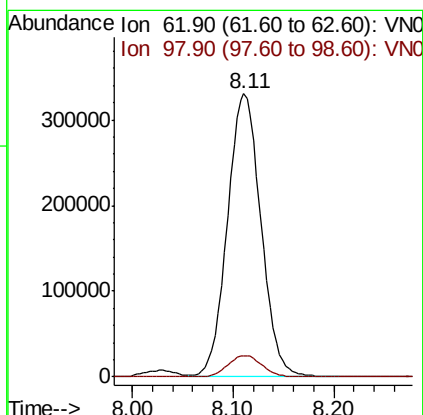
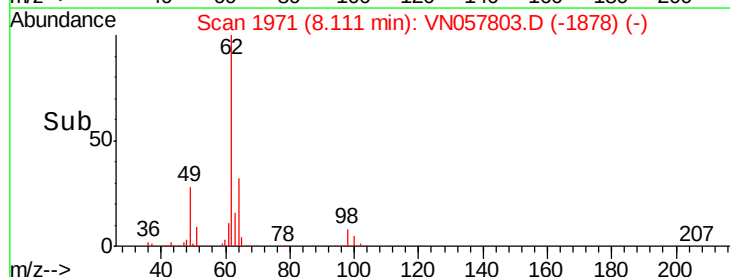
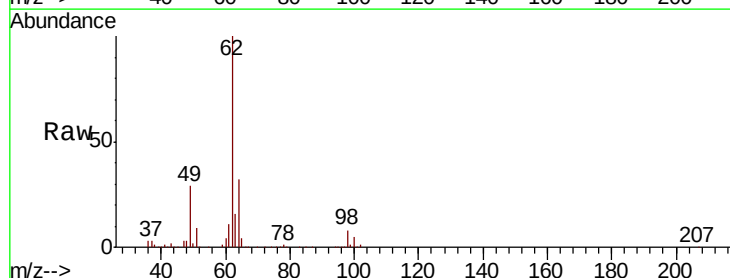
Manual Integrations
APPROVED

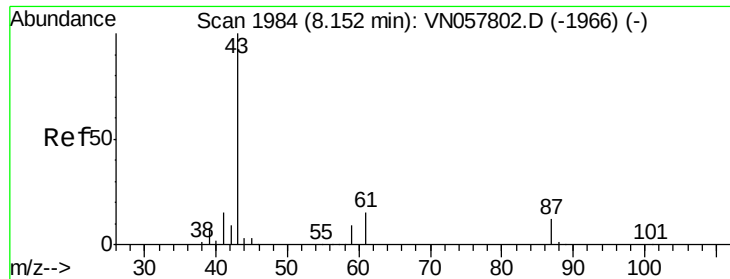
MMDadoda
9/10/2019 4:30:13 PM



#42
1,2-Dichloroethane
Concen: 74.207 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion:	62	Resp:	761841
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 79.363 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1177625

Ion Ratio Lower Upper

43 100

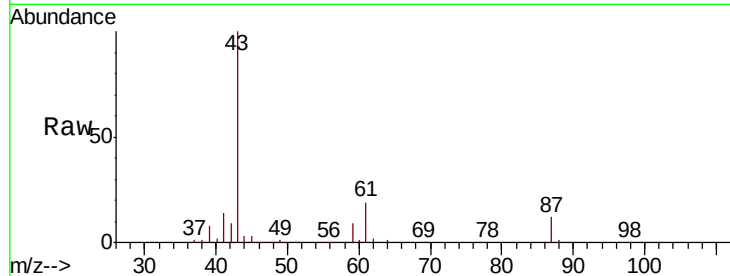
61 18.9 20.1 30.1#

87 12.1 9.5 14.3

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9/10/2019 4:30:13 PM

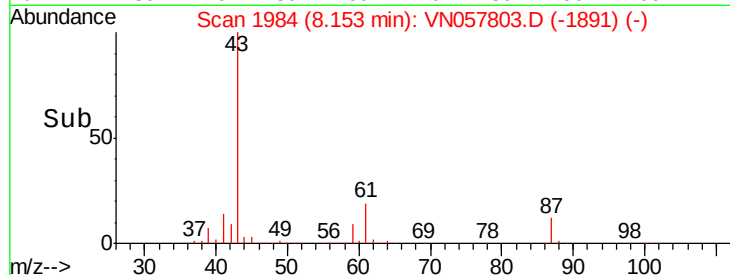


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

8.15



Abundance

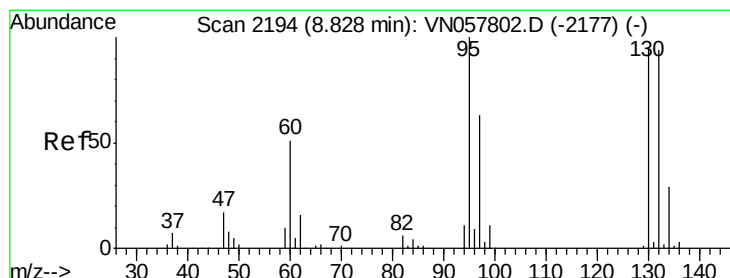
Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

8.15

Time-->



#44

Trichloroethene

Concen: 92.323 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057803.D

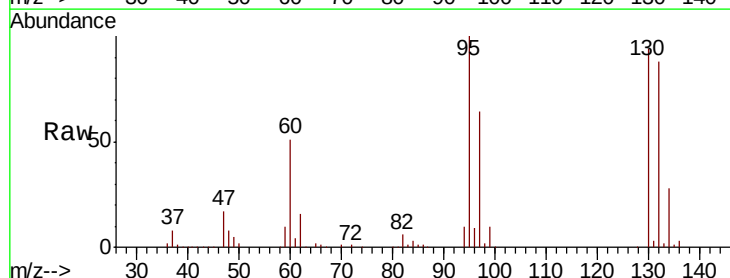
Acq: 9 Sep 2019 16:10

Tgt Ion:130 Resp: 467522

Ion Ratio Lower Upper

130 100

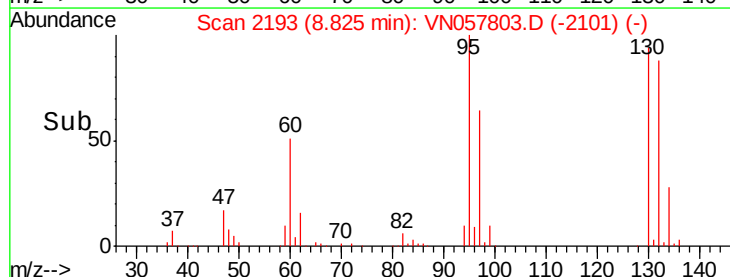
95 105.9 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

8.82



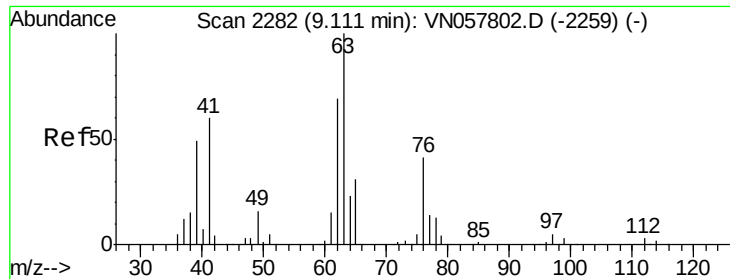
Abundance

Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

8.82

Time-->



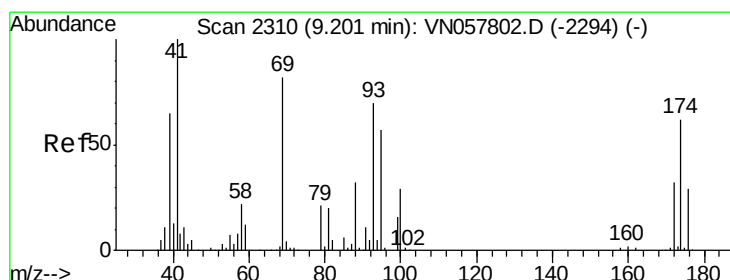
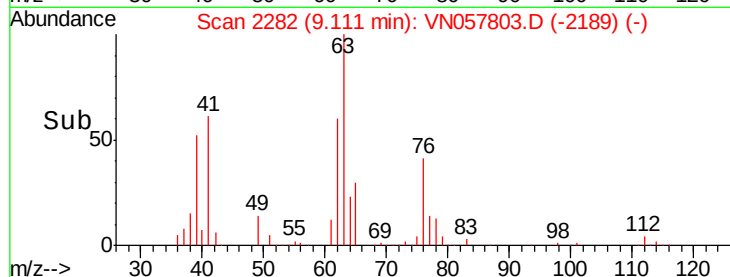
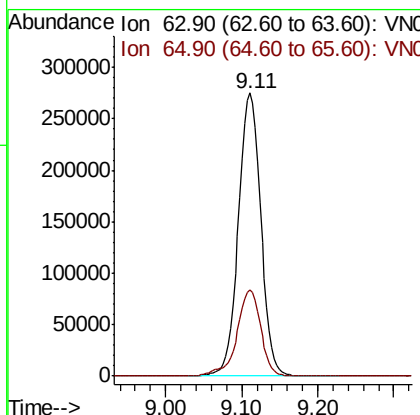
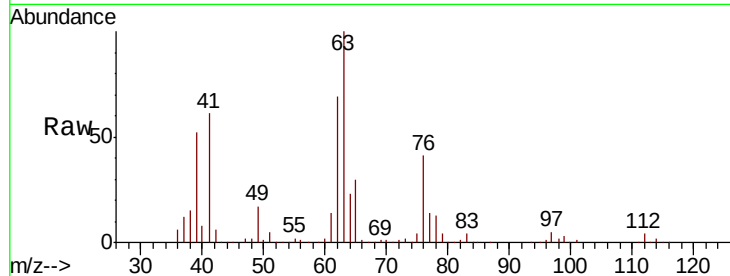
#45
 1,2-Dichloropropane
 Concen: 89.462 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.8	37.2

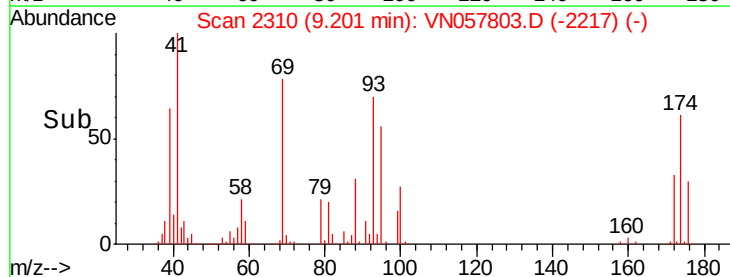
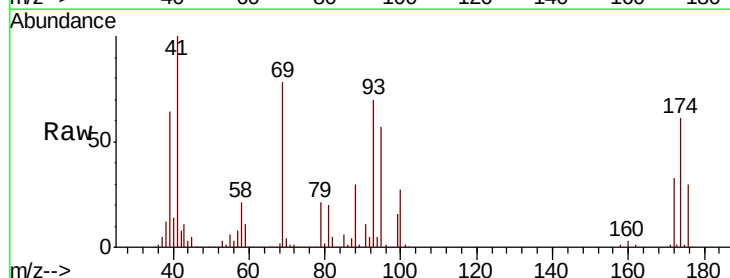
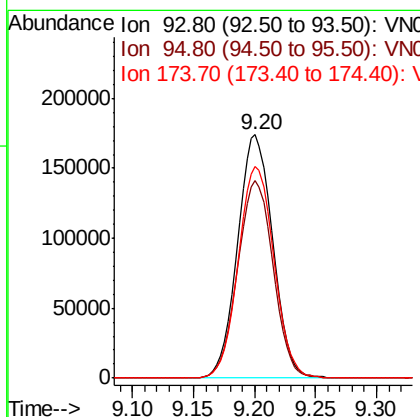
Manual Integrations
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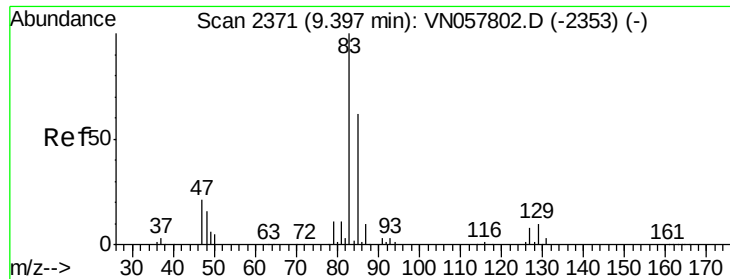
MMDadoda
 9/10/2019 4:30:13 PM



#46
 Dibromomethane
 Concen: 86.778 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.9	98.9
174	88.1	71.8	107.6





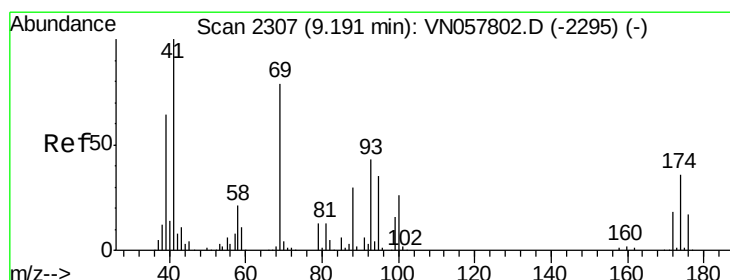
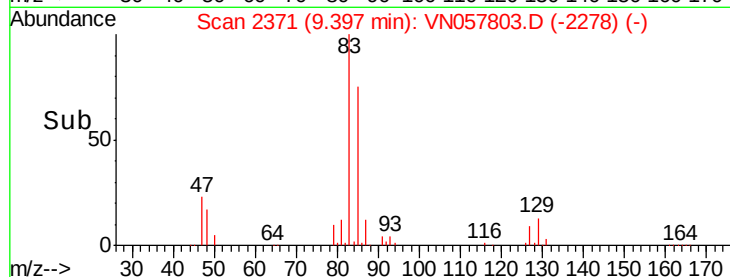
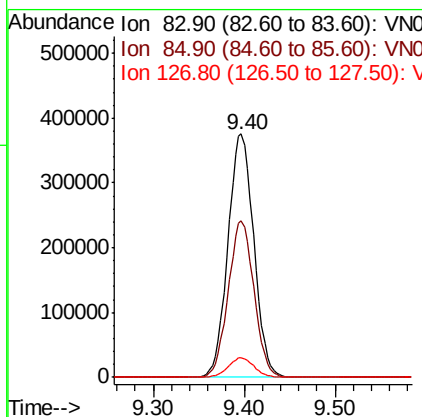
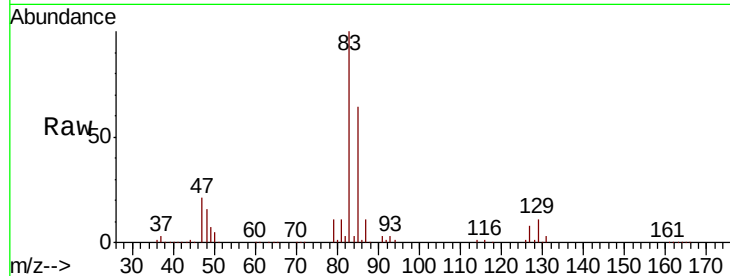
#47
Bromodichloromethane
Concen: 87.197 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	740021		
85	64.4	49.9	74.9	
127	8.0	6.5	9.7	

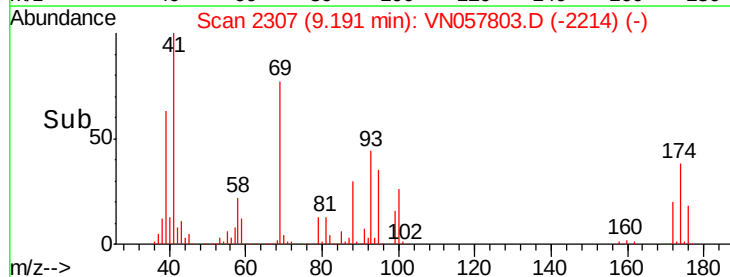
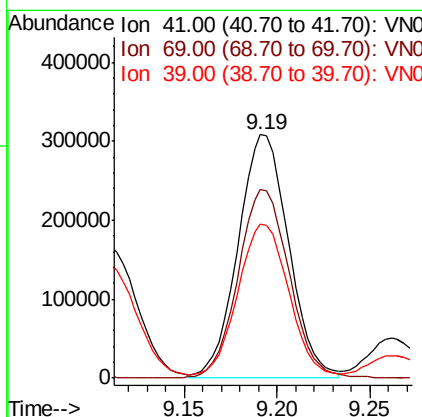
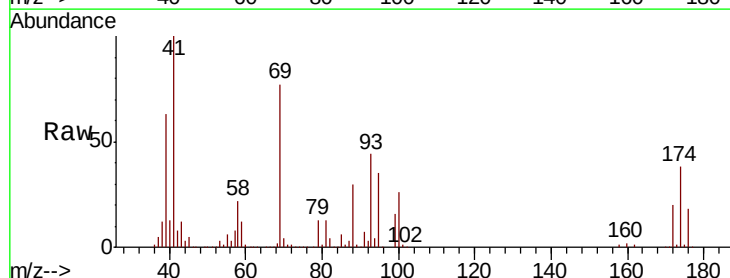
Manual Integrations
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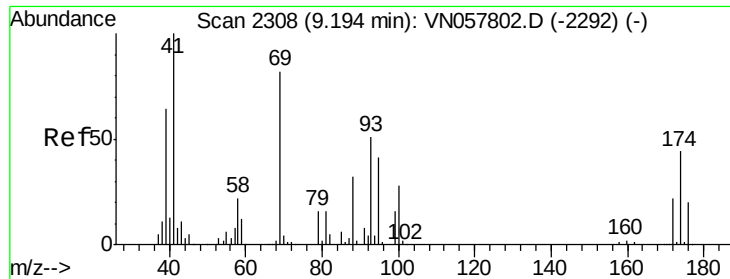
MMDadoda
9/10/2019 4:30:13 PM



#48
Methyl methacrylate
Concen: 76.628 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	584417		
69	78.2	62.7	94.1	
39	64.4	52.7	79.1	





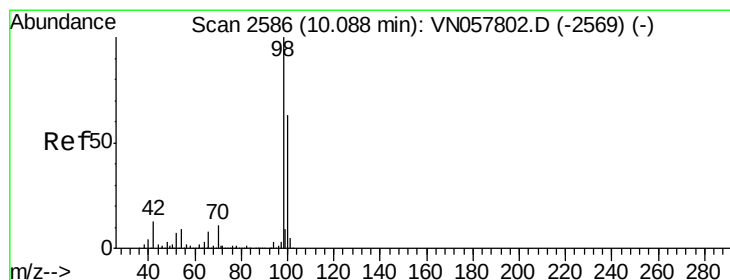
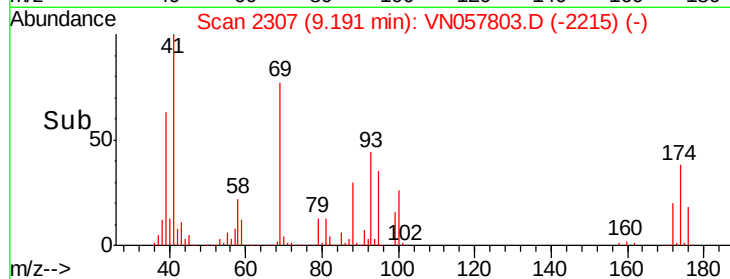
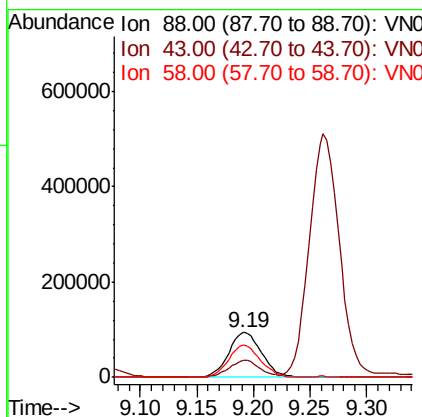
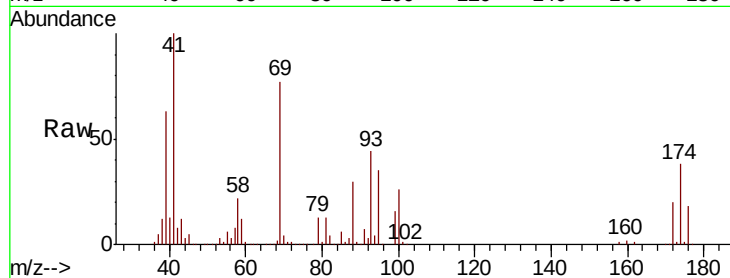
#49
1,4-Dioxane
Concen: 2050.255 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.5	42.7
58	70.4	55.8	83.6

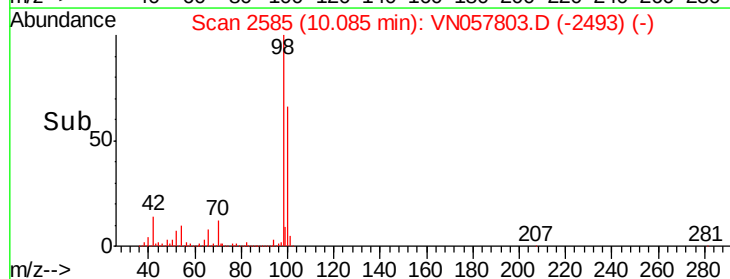
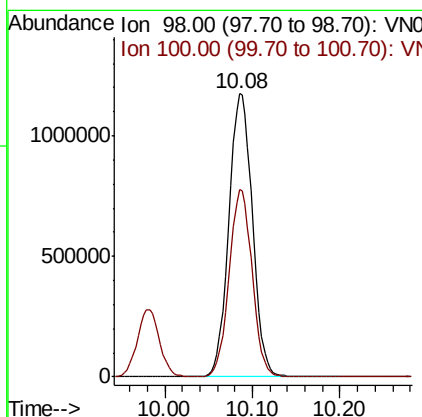
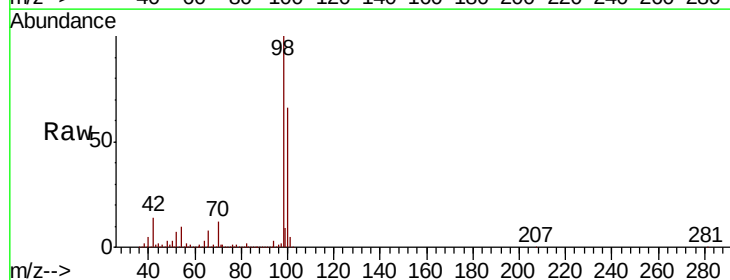
Manual Integrations
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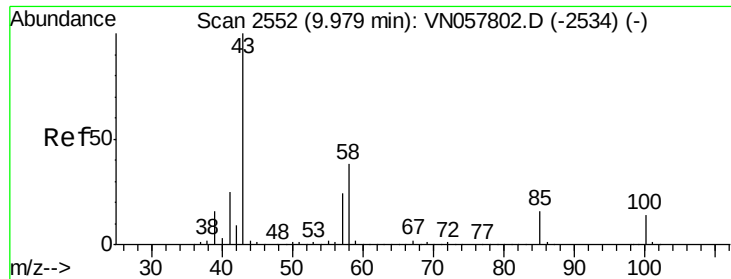
MMDadoda
9/10/2019 4:30:13 PM



#50
Toluene-d8
Concen: 106.286 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 397.267 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3316671

Ion Ratio Lower Upper

43 100

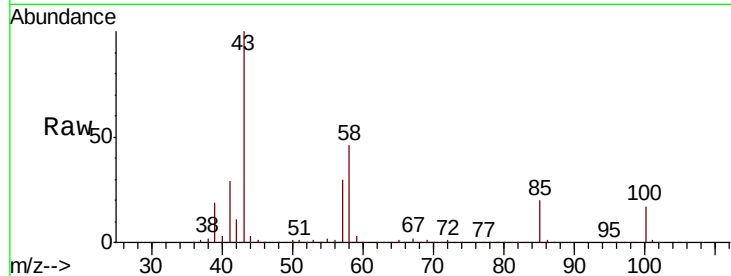
58 41.6 29.8 44.6

Manual Integrations

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MMDadoda

9/10/2019 4:30:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

2000000

1500000

1000000

500000

0

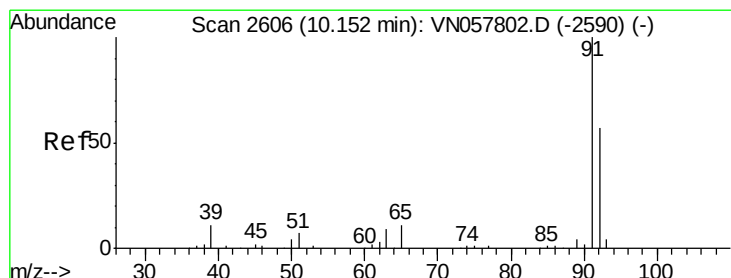
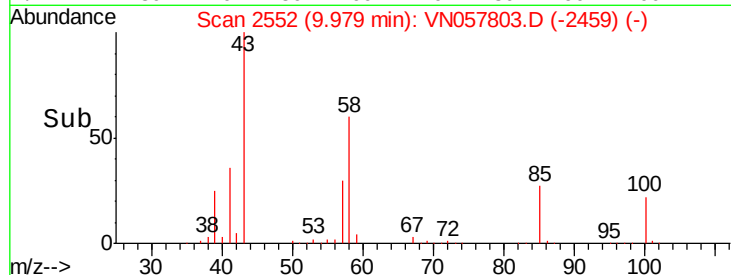
9.90

9.98

10.00

10.10

Time-->



#52

Toluene

Concen: 91.809 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057803.D

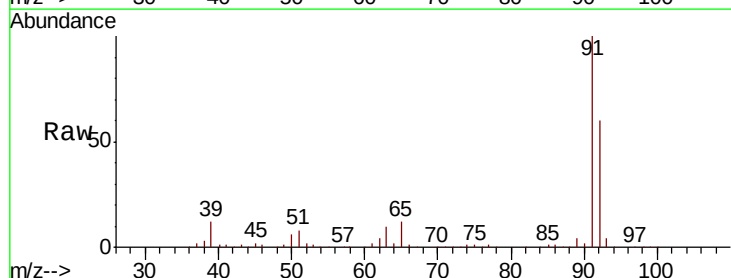
Acq: 9 Sep 2019 16:10

Tgt Ion: 92 Resp: 1255235

Ion Ratio Lower Upper

92 100

91 171.4 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

1000000

500000

0

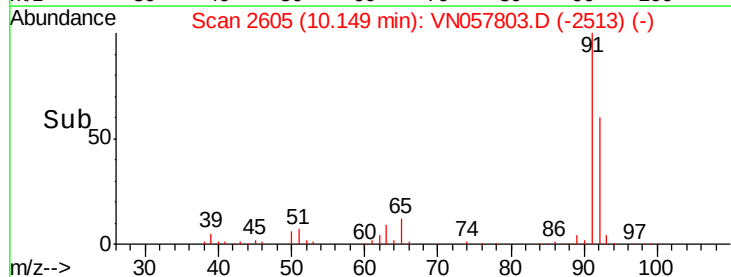
10.10

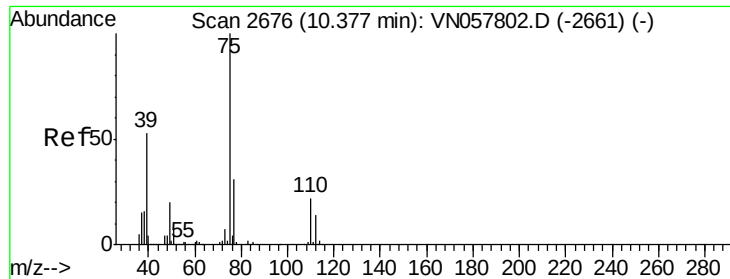
10.15

10.20

10.30

Time-->





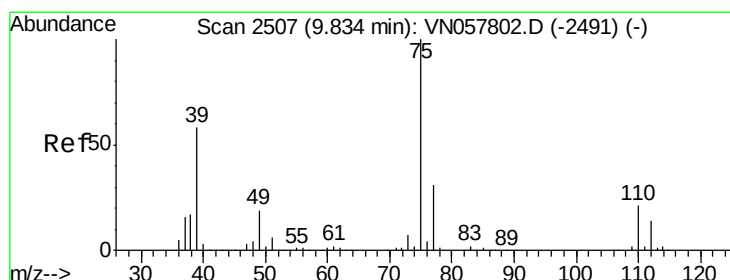
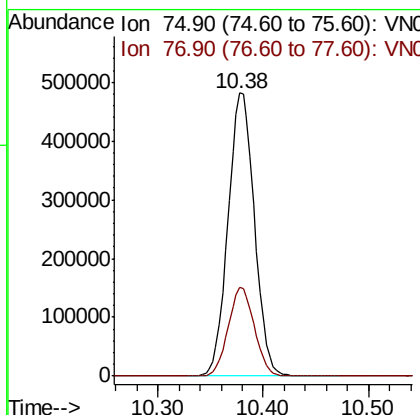
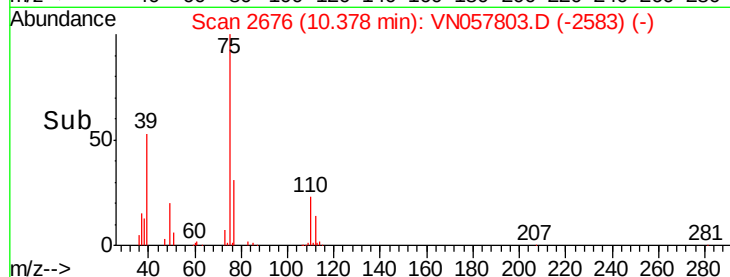
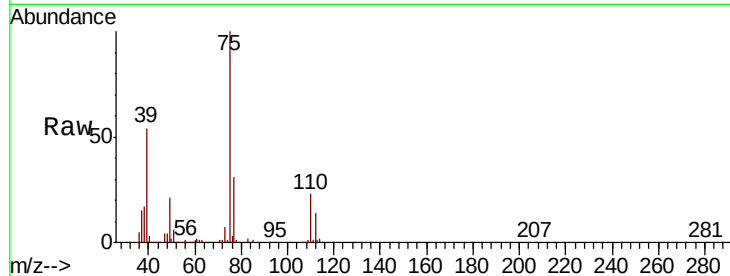
#53
t-1,3-Dichloropropene
Concen: 97.289 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 75 Resp: 833024
Ion Ratio Lower Upper
75 100
77 31.2 24.5 36.7

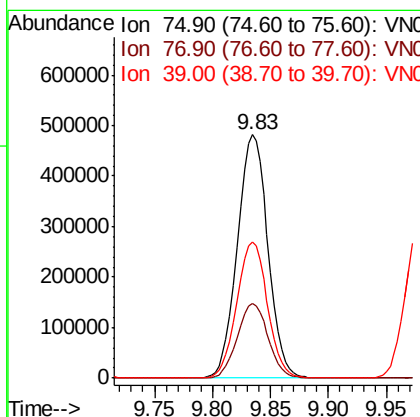
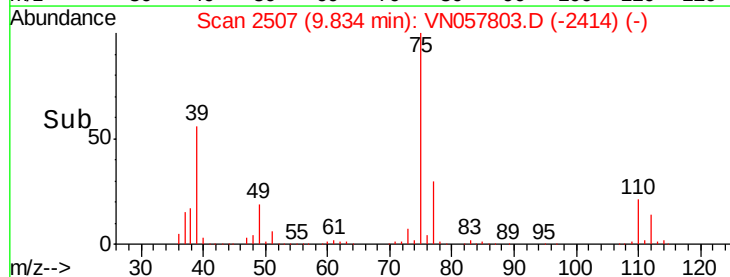
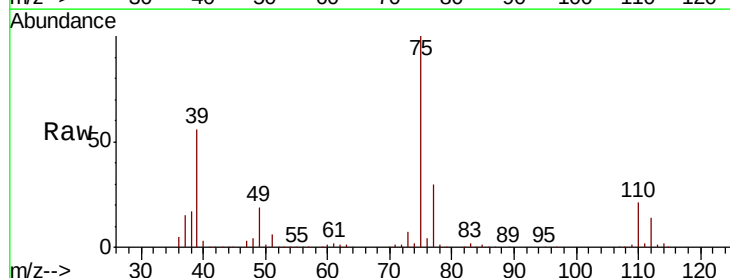
Manual Integrations
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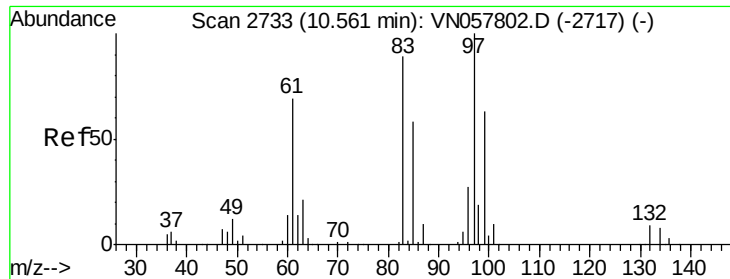
MMDadoda
9/10/2019 4:30:13 PM



#54
cis-1,3-Dichloropropene
Concen: 94.695 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion: 75 Resp: 878939
Ion Ratio Lower Upper
75 100
77 30.5 24.8 37.2
39 56.0 46.2 69.4





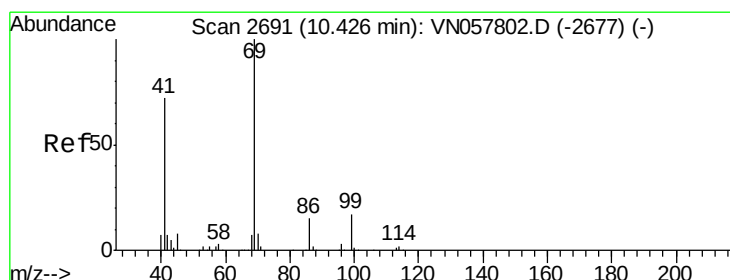
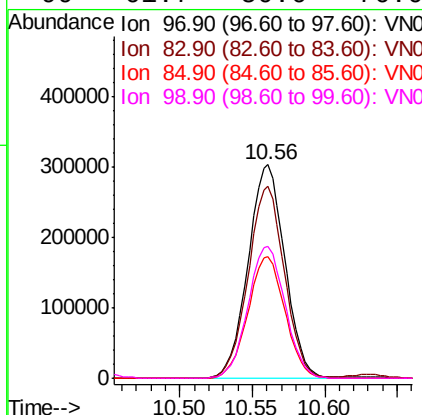
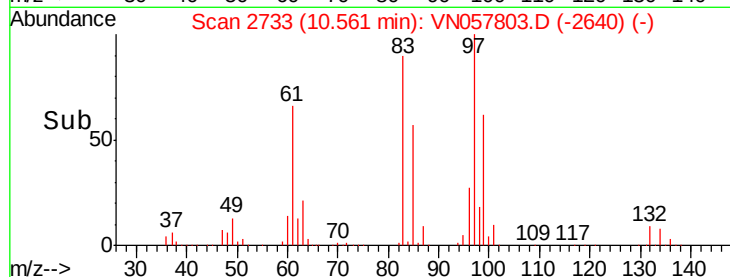
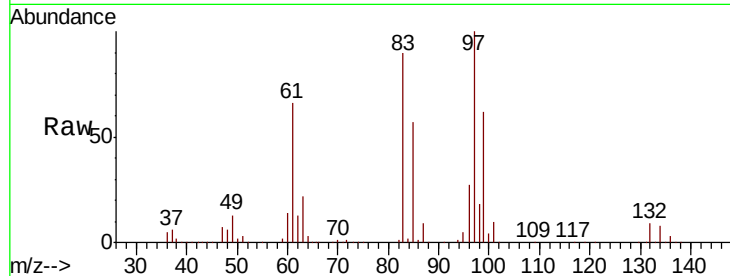
#55
 1,1,2-Trichloroethane
 Concen: 95.929 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	535201
Ion Ratio	Lower	Upper	
97	100		
83	89.8	70.8	106.2
85	56.7	46.0	69.0
99	61.7	50.6	76.0

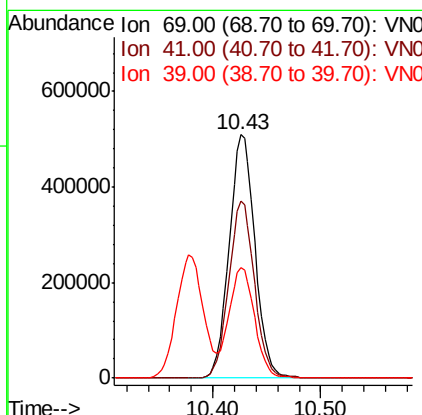
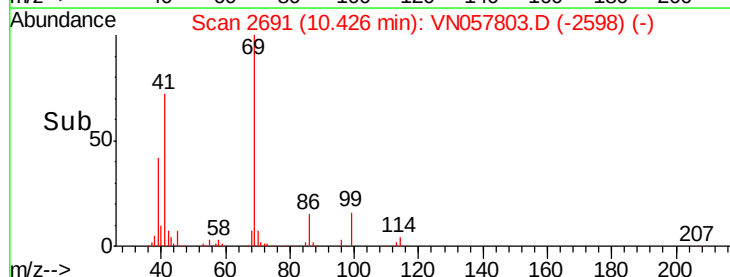
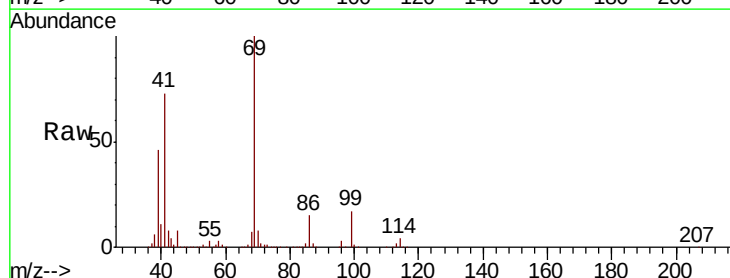
Manual Integrations
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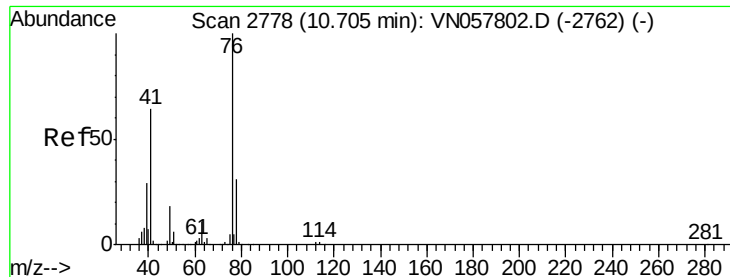
MMDadoda
 9/10/2019 4:30:13 PM



#56
 Ethyl methacrylate
 Concen: 96.193 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion:	69	Resp:	849553
Ion Ratio	Lower	Upper	
69	100		
41	71.9	56.7	85.1
39	45.3	36.3	54.5





#57

1,3-Dichloropropane

Concen: 92.234 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 919717

Ion Ratio Lower Upper

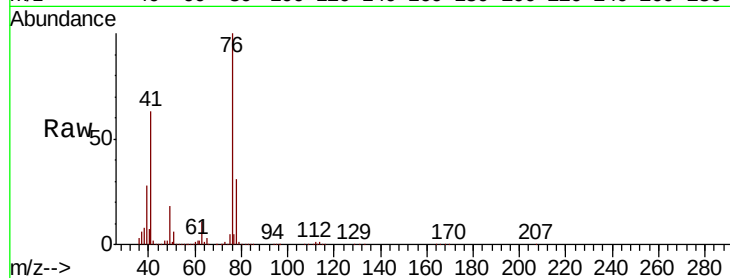
76 100

78 31.8 25.4 38.2

Manual Integrations
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MMDadoda

9/10/2019 4:30:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

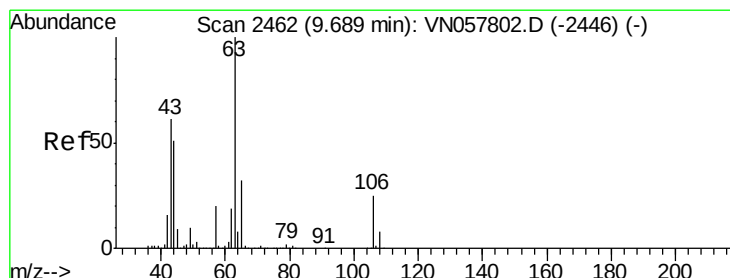
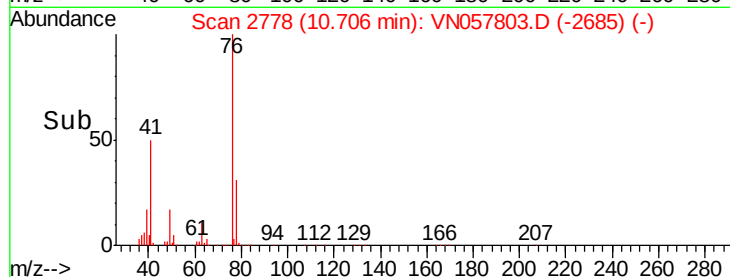
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 362.878 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057803.D

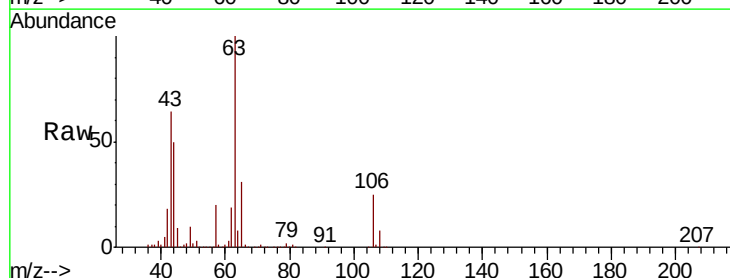
Acq: 9 Sep 2019 16:10

Tgt Ion: 63 Resp: 1627821

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

1000000

800000

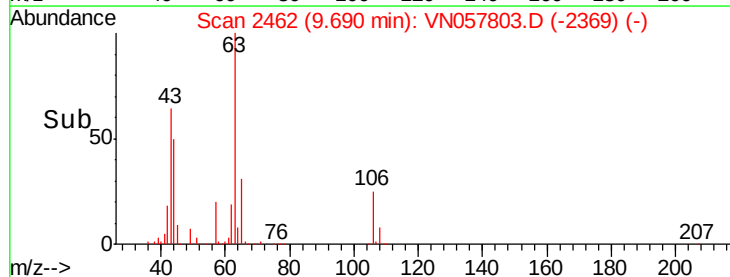
600000

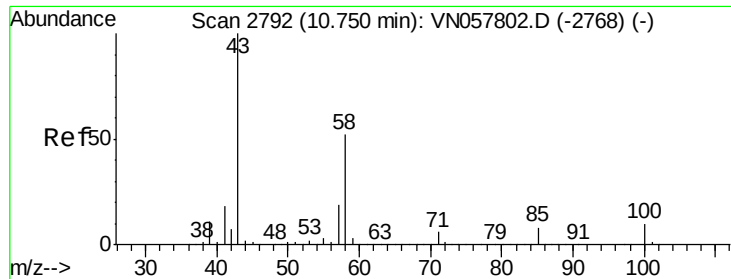
400000

200000

0

Time-->





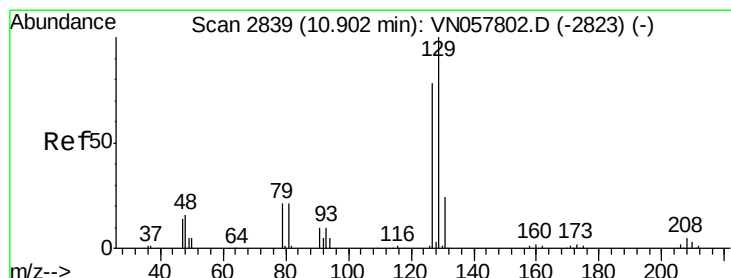
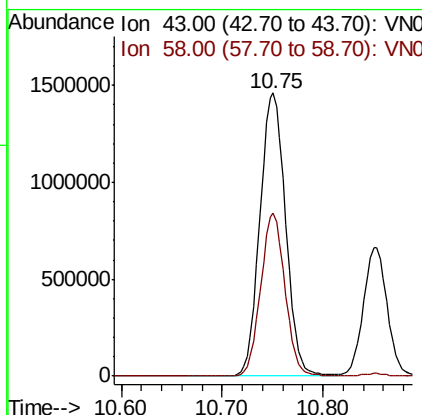
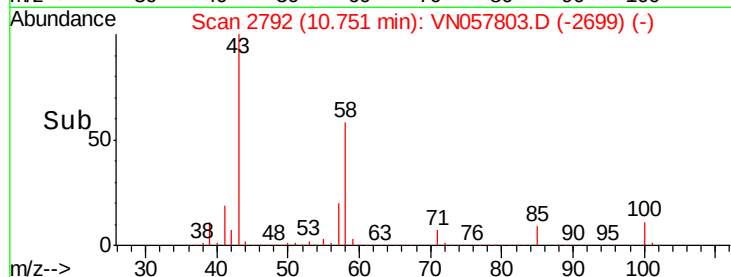
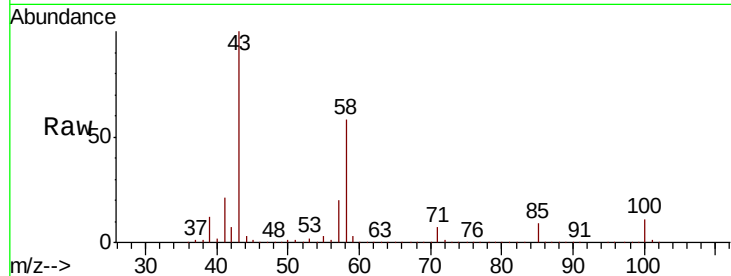
#59
2-Hexanone
Concen: 434.615 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2580655
Ion Ratio Lower Upper
43 100
58 54.6 25.6 76.8

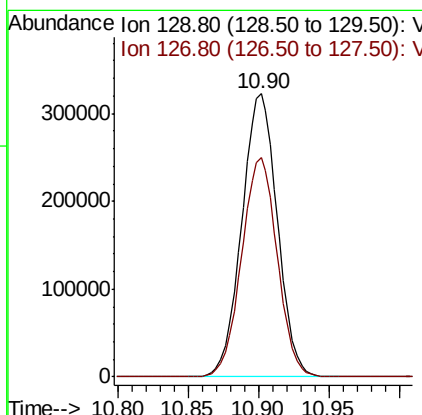
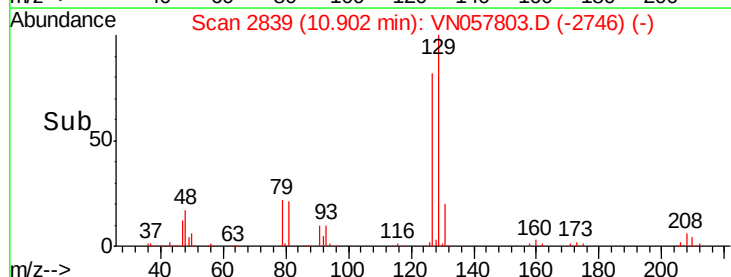
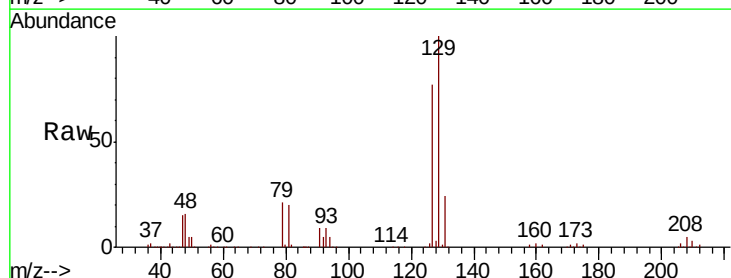
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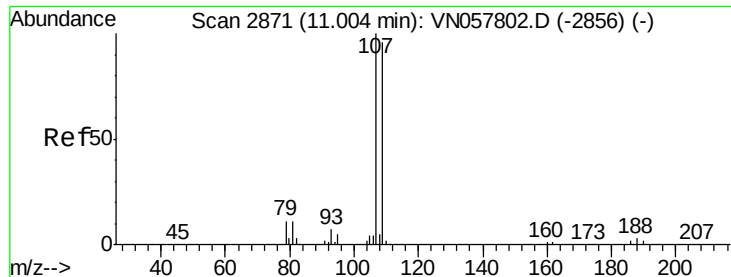
MMDadoda
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#60
Dibromochloromethane
Concen: 105.902 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion: 129 Resp: 569210
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





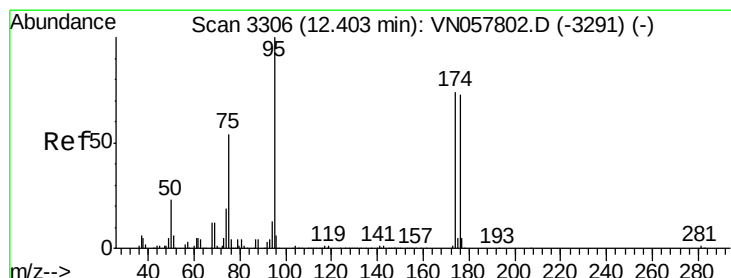
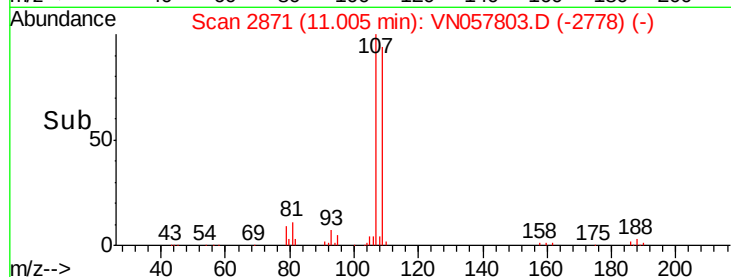
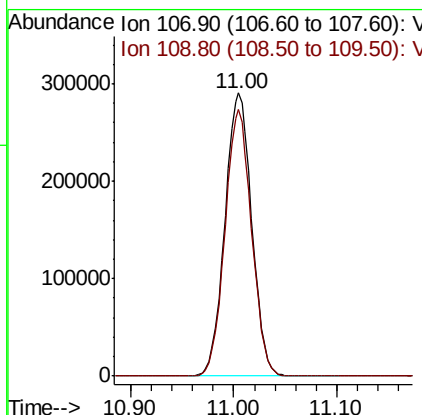
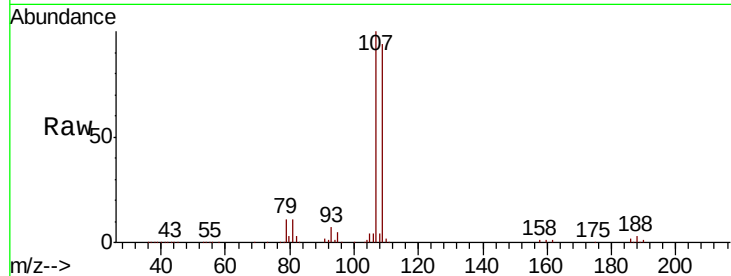
#61
 1,2-Dibromoethane
 Concen: 98.820 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

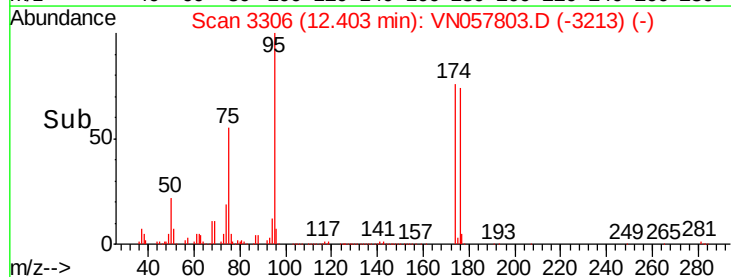
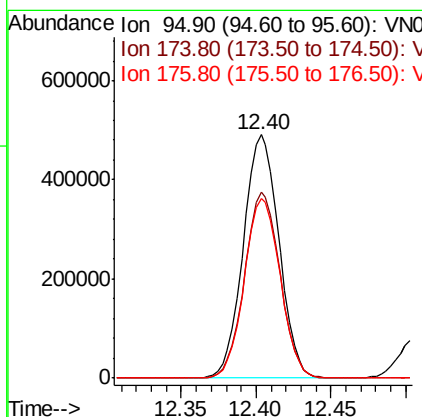
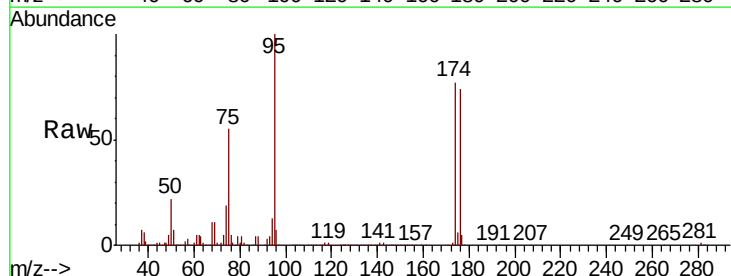
Manual Integrations
 APPROVED

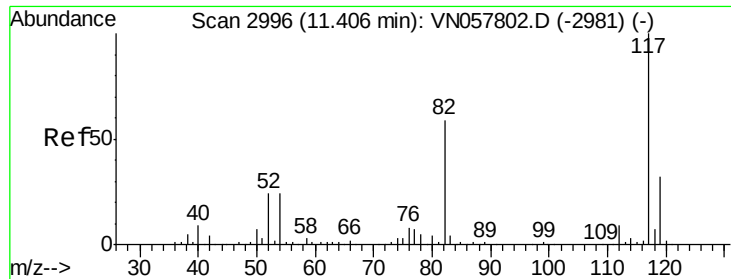
MMDadoda
 9/10/2019 4:30:13 PM



#62
 4-Bromofluorobenzene
 Concen: 97.590 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.2
176	74.2	0.0	146.0





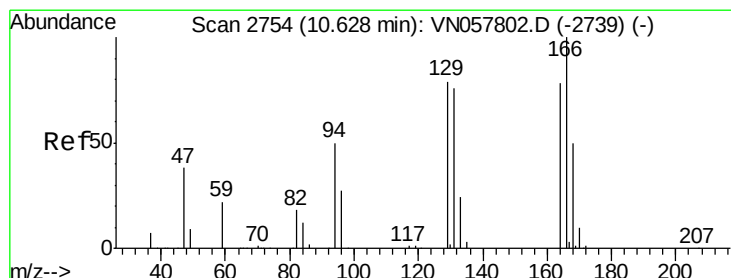
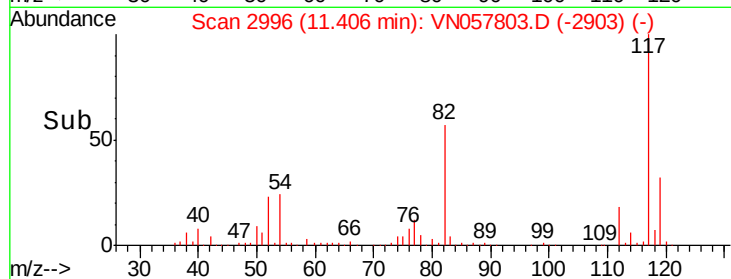
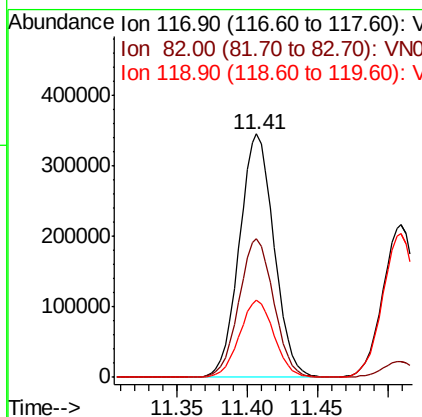
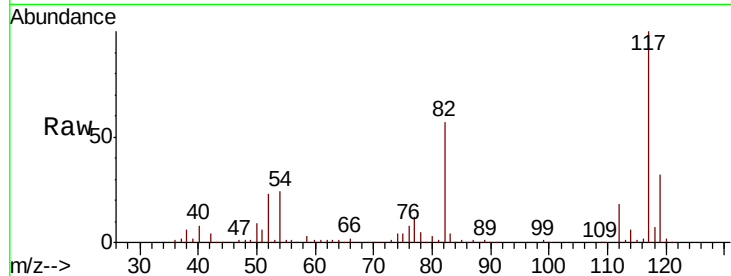
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	31.6	25.3	37.9

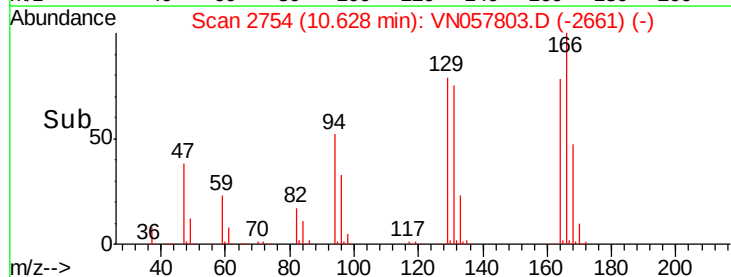
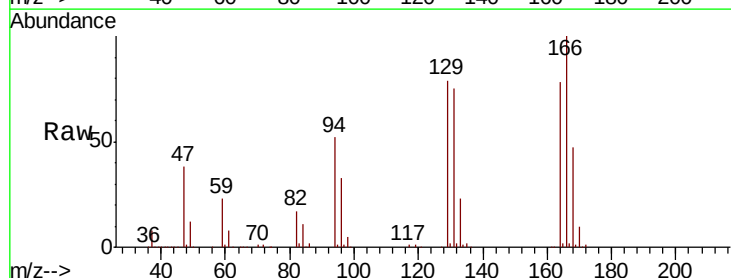
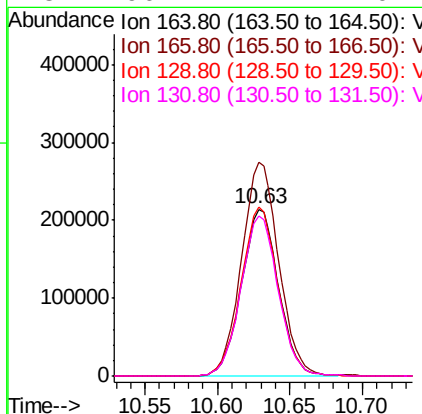
Manual Integrations
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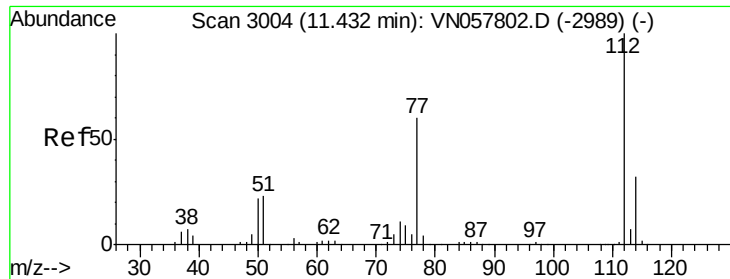
MMDadoda
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#64
Tetrachloroethene
Concen: 82.721 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.2	153.2
129	101.5	80.8	121.2
131	96.1	77.4	116.2





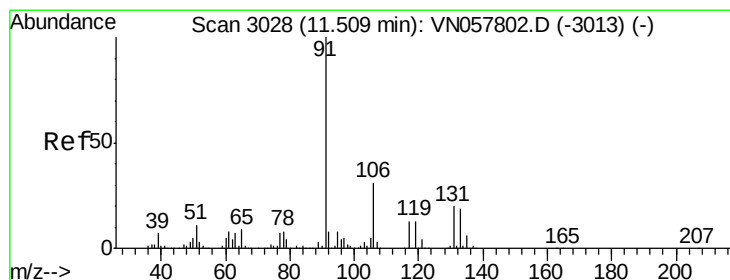
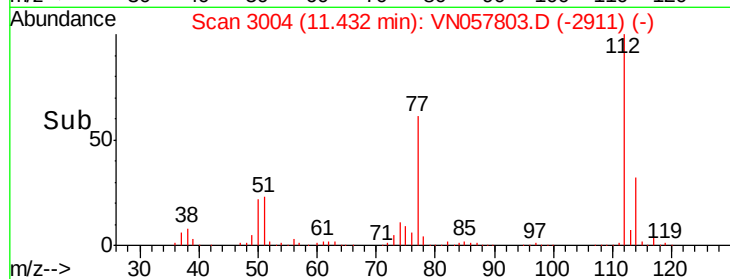
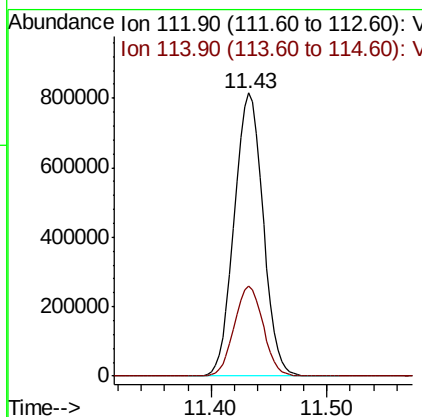
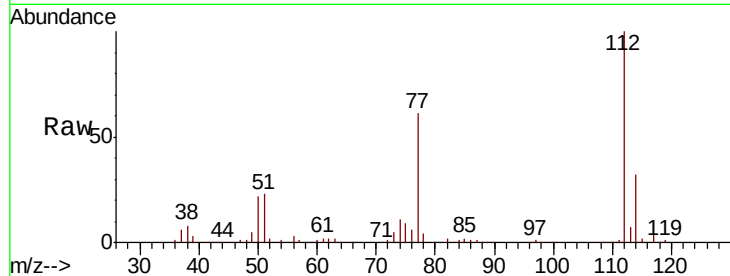
#65
Chlorobenzene
Concen: 90.305 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1406509
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

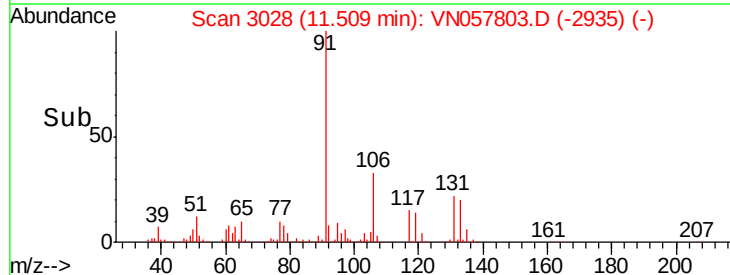
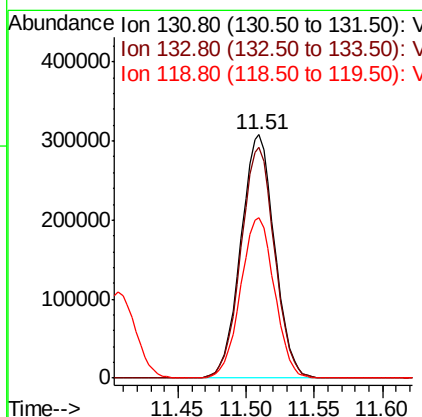
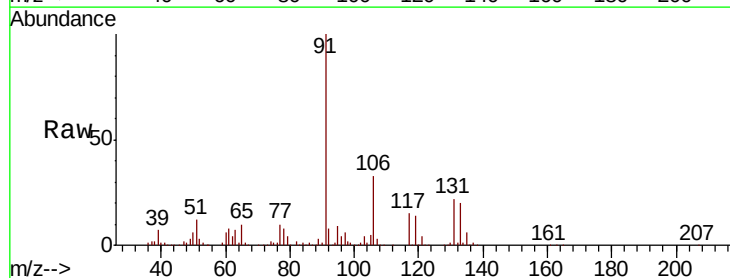
Manual Integrations
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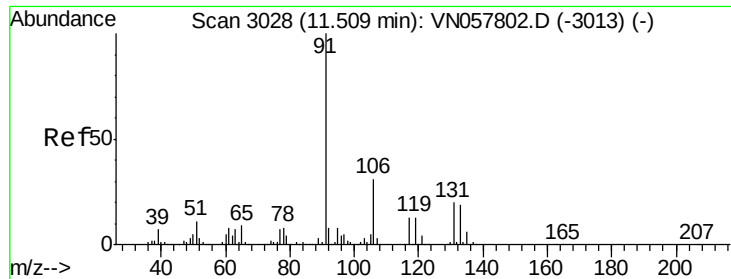
MMDadoda
9/10/2019 4:30:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 97.484 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion:131 Resp: 528446
Ion Ratio Lower Upper
131 100
133 94.7 47.1 141.3
119 66.2 33.3 99.8





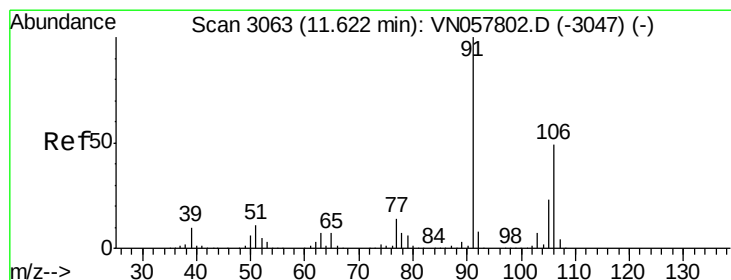
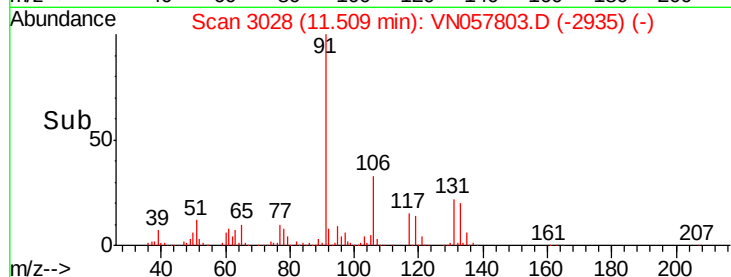
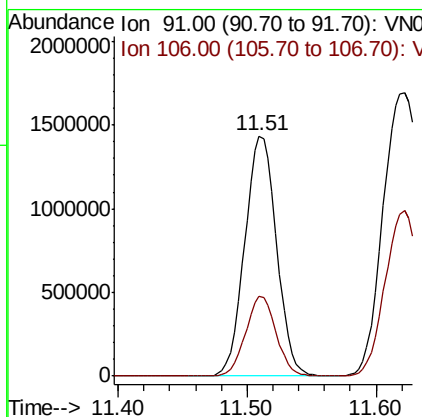
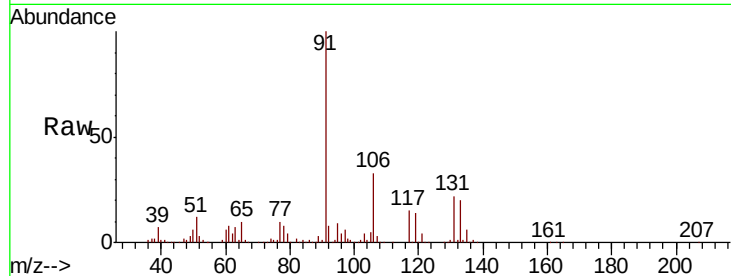
#67
Ethyl Benzene
Concen: 83.302 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2461111
Ion Ratio Lower Upper
91 100
106 33.1 24.4 36.6

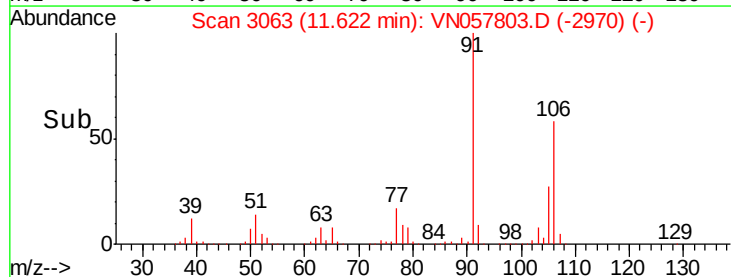
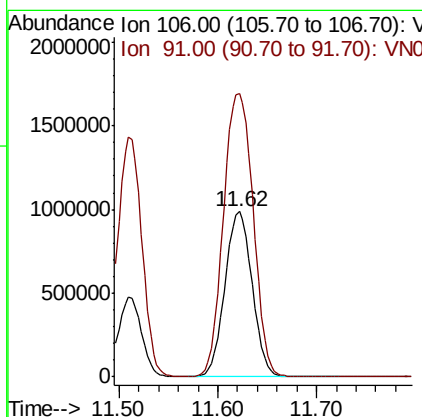
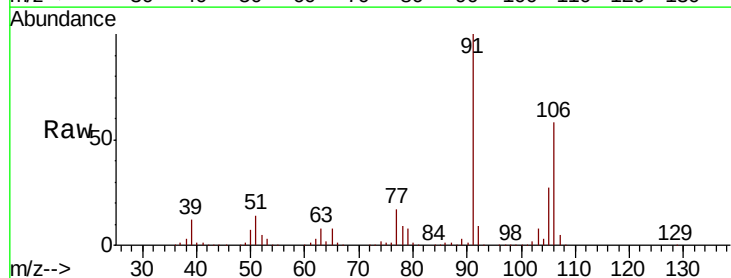
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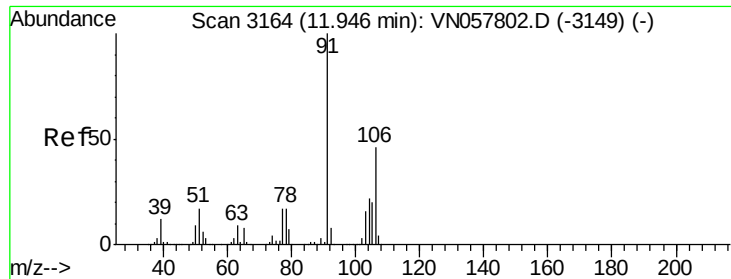
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9/10/2019 4:30:13 PM



#68
m/p-Xylenes
Concen: 184.675 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion: 106 Resp: 1897999
Ion Ratio Lower Upper
106 100
91 187.4 165.8 248.6





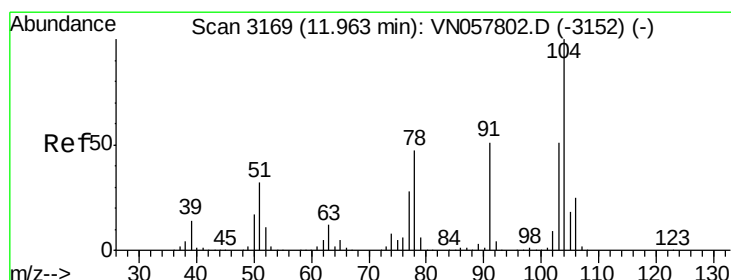
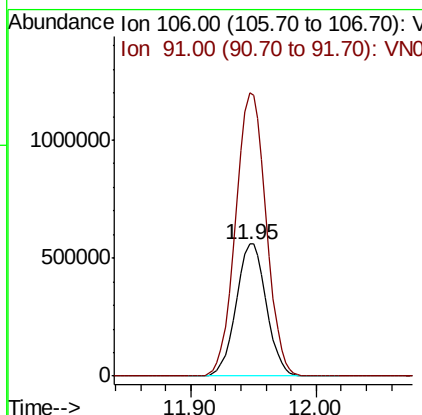
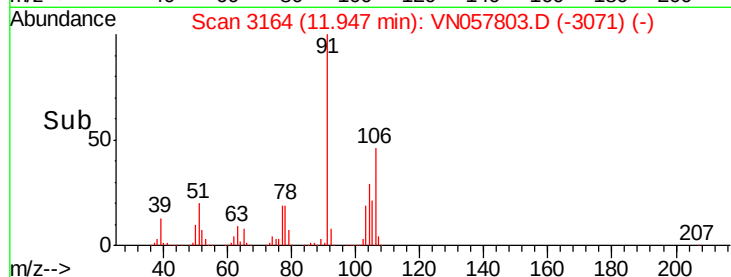
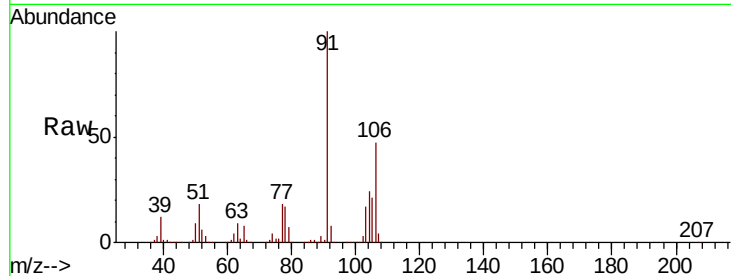
#69
o-Xylene
Concen: 91.481 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 935081
Ion Ratio Lower Upper
106 100
91 216.8 108.7 326.1

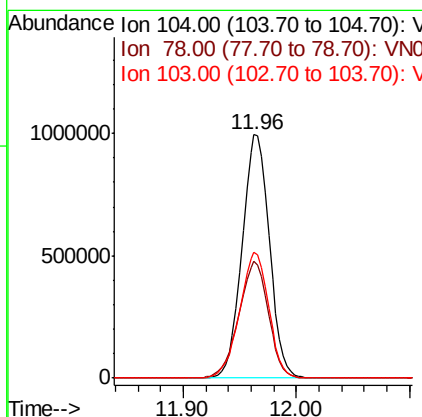
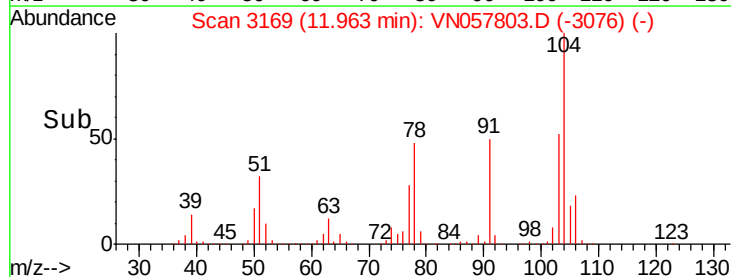
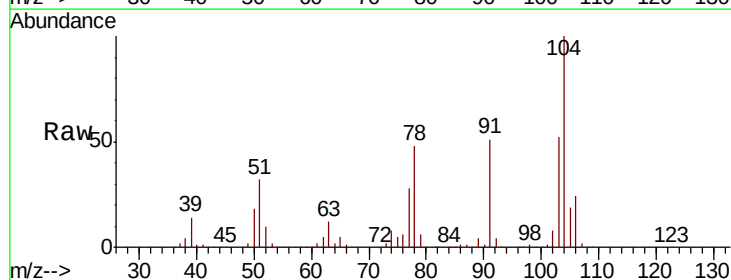
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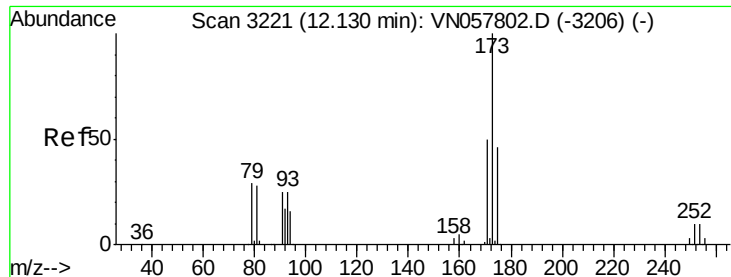
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#70
Styrene
Concen: 94.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion:104 Resp: 1676586
Ion Ratio Lower Upper
104 100
78 52.0 41.3 61.9
103 55.1 43.7 65.5





#71

Bromoform

Concen: 108.427 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 378501

Ion Ratio Lower Upper

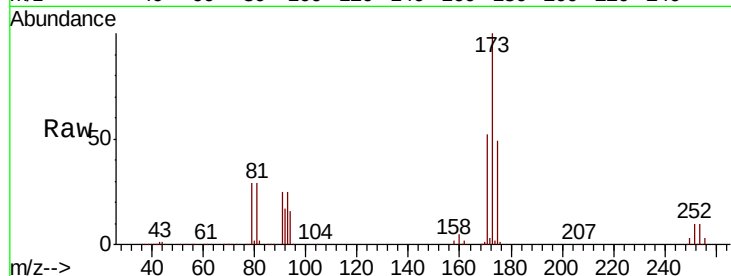
173 100

175 48.5 23.5 70.6

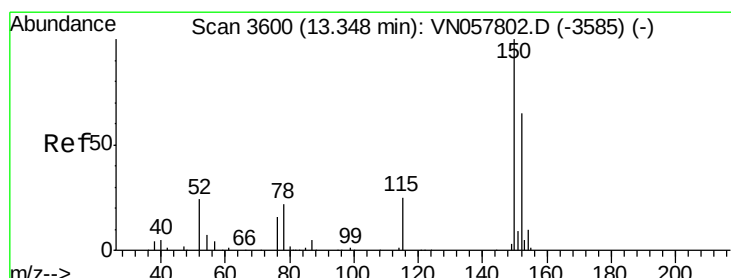
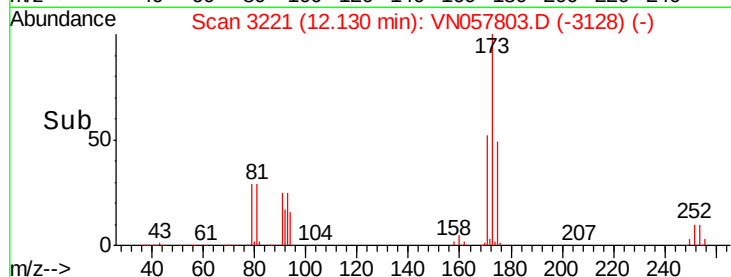
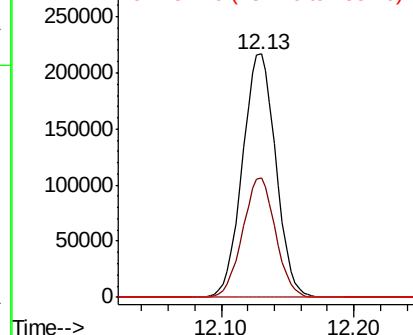
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

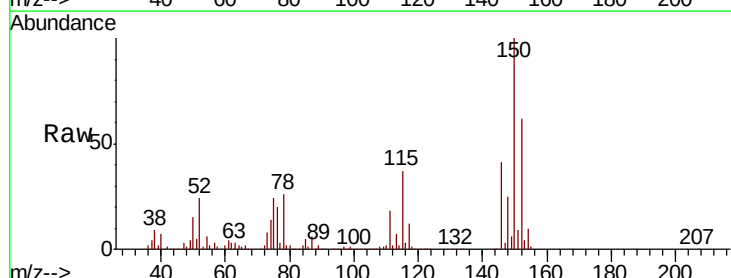
Tgt Ion:152 Resp: 367411

Ion Ratio Lower Upper

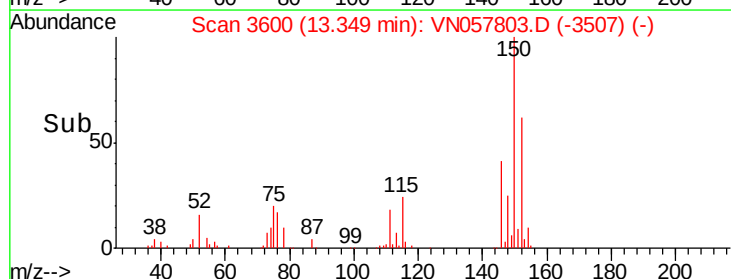
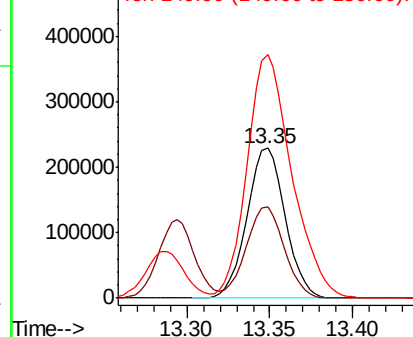
152 100

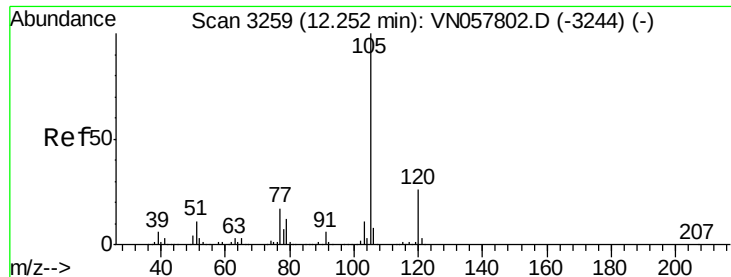
115 60.5 30.3 91.0

150 189.6 0.0 352.4



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





#73

Isopropylbenzene

Concen: 79.113 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2519156

Ion Ratio Lower Upper

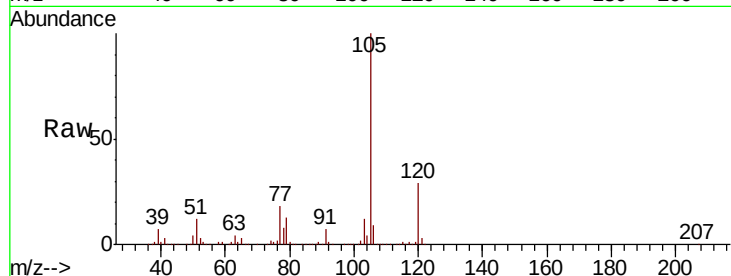
105 100

120 27.3 12.8 38.4

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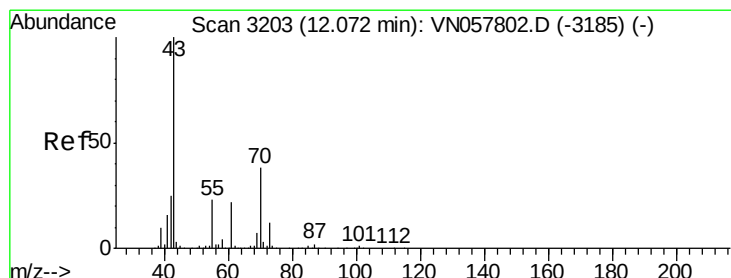
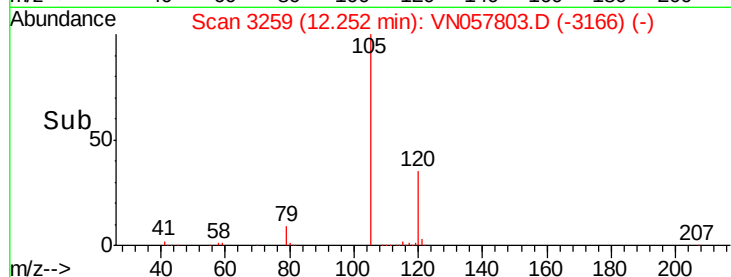
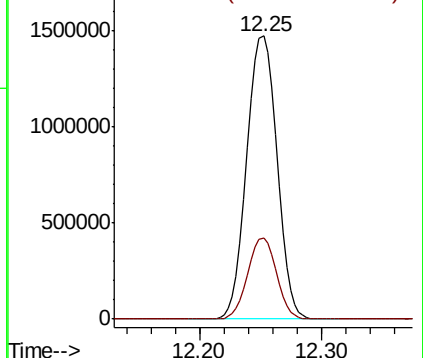
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 75.484 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Tgt Ion: 43 Resp: 1178687

Ion Ratio Lower Upper

43 100

70 39.2 30.6 45.8

55 22.9 18.6 27.8

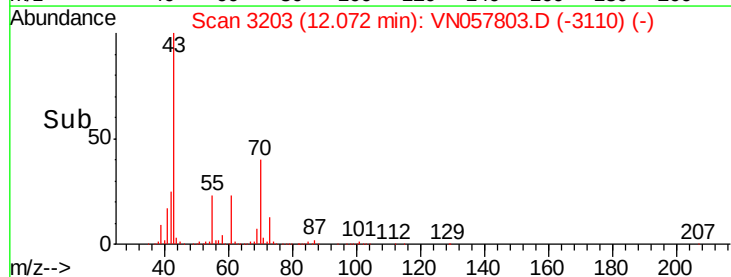
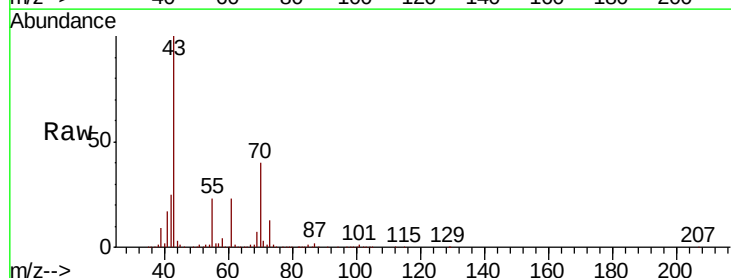
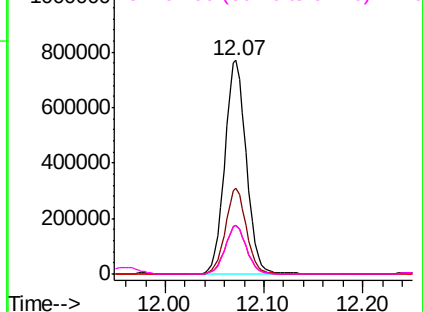
61 22.4 17.4 26.2

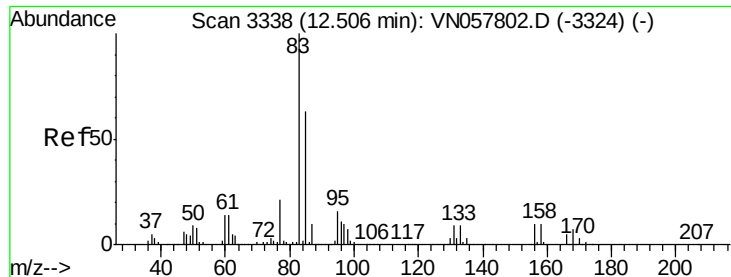
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 86.451 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

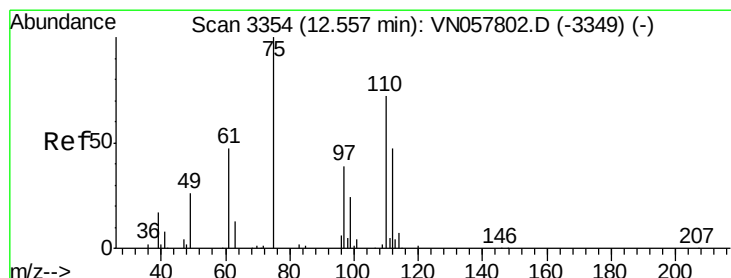
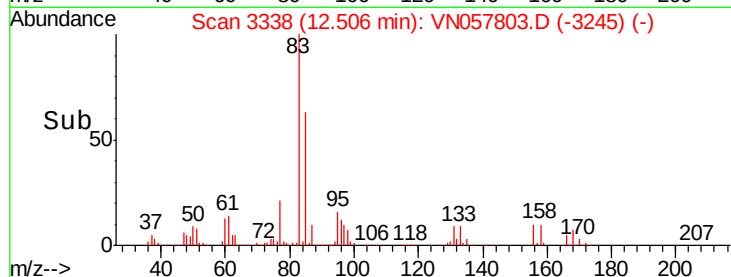
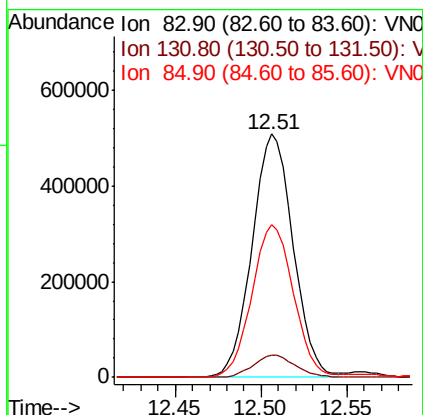
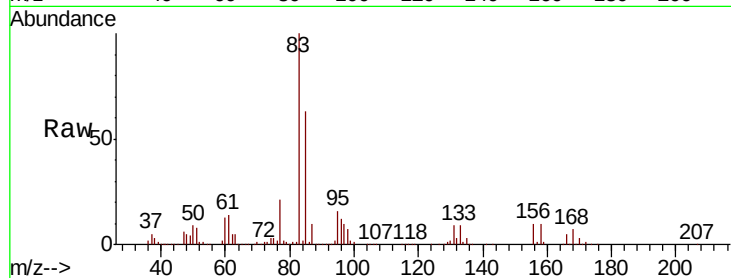
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	839425
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 82.013 ug/l m

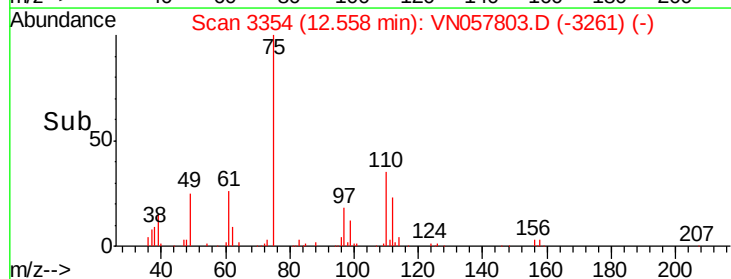
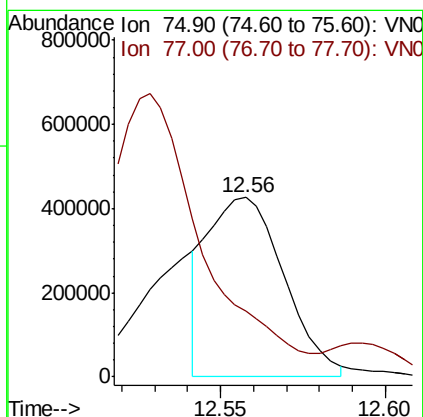
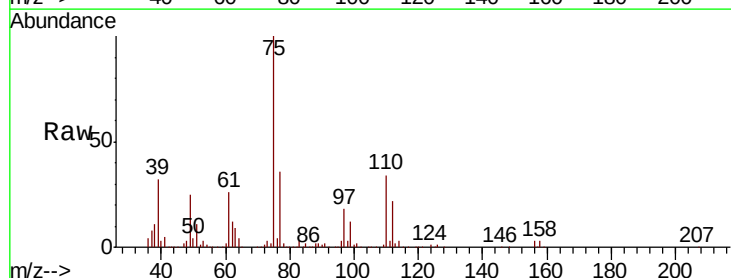
RT: 12.56 min Scan# 3354

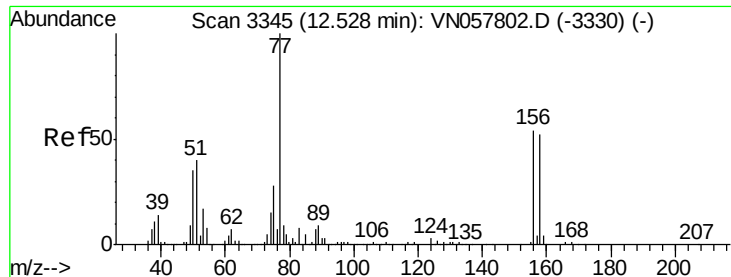
Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Tgt Ion:	75	Resp:	686975
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 88.055 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 615948

Ion Ratio Lower Upper

156 100

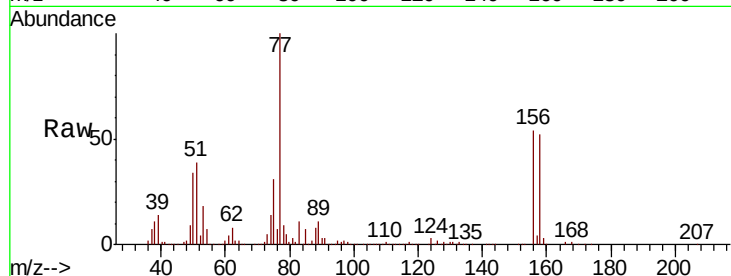
77 224.4 113.7 341.1

158 97.0 48.5 145.6

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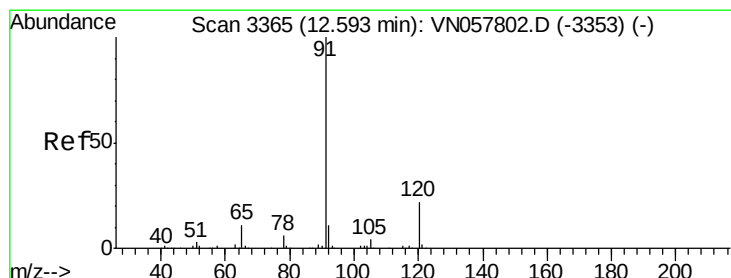
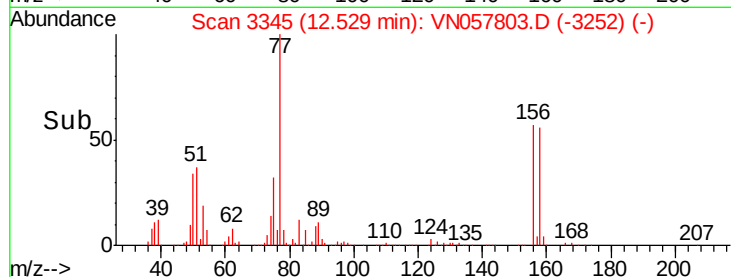
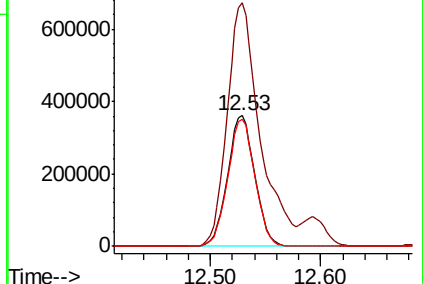
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 76.026 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057803.D

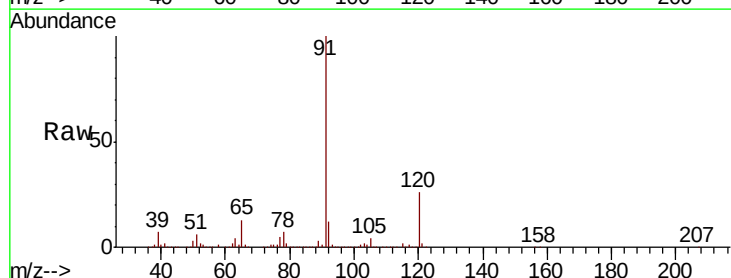
Acq: 9 Sep 2019 16:10

Tgt Ion: 91 Resp: 2861478

Ion Ratio Lower Upper

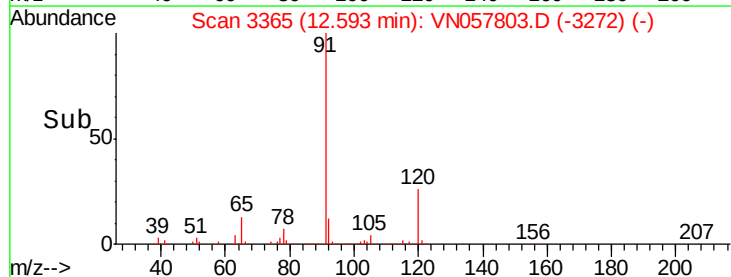
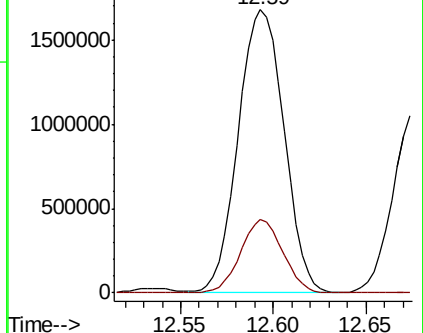
91 100

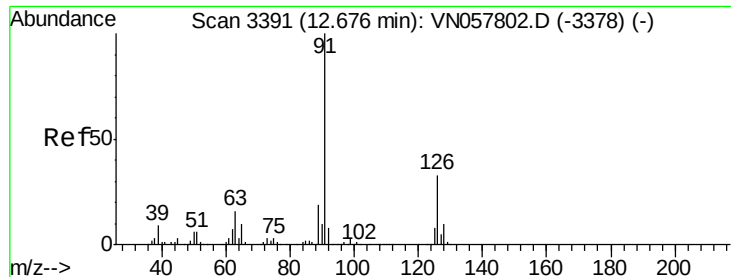
120 24.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





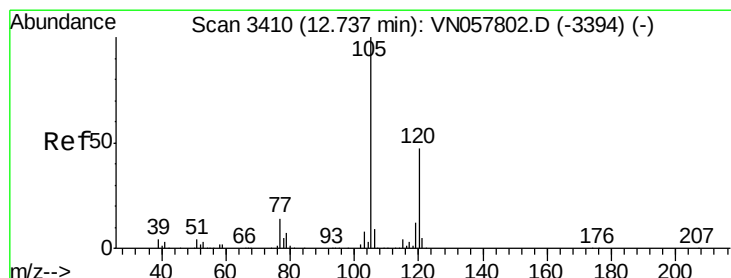
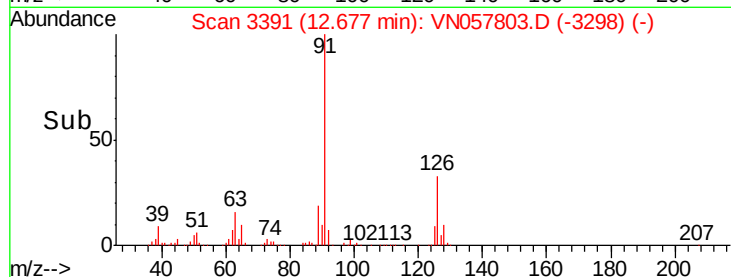
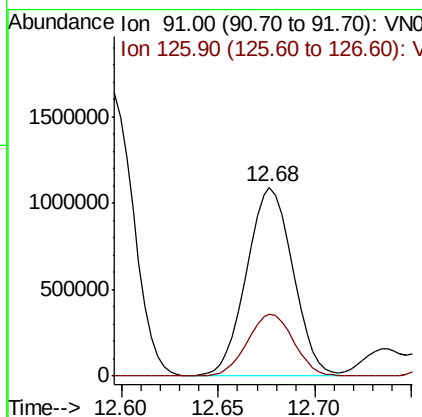
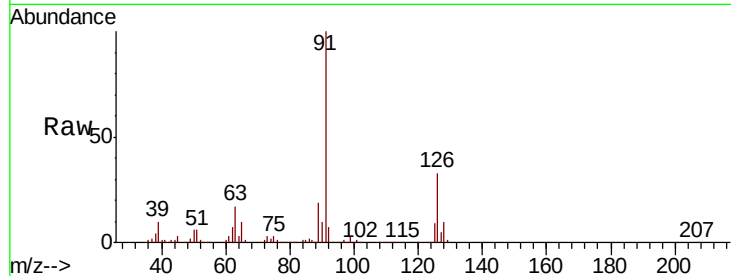
#79
 2-Chlorotoluene
 Concen: 78.949 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1812532
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.4 49.2

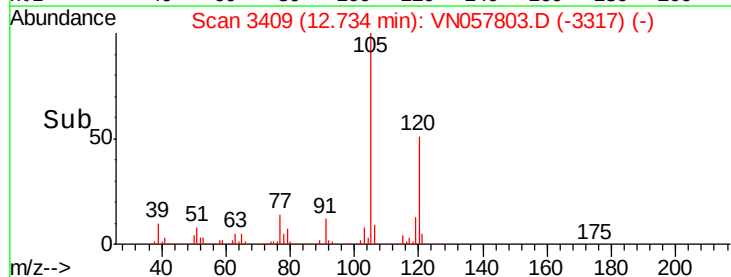
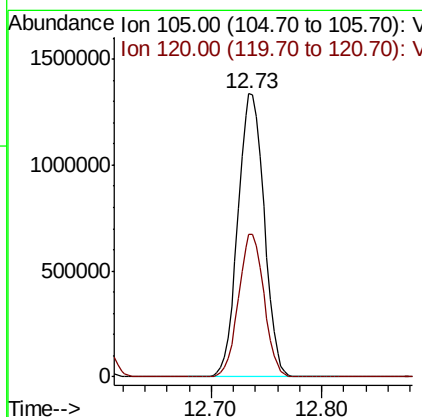
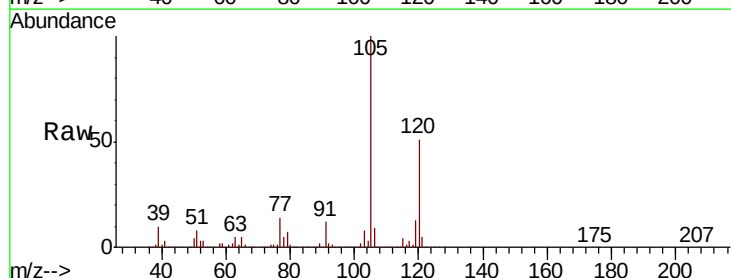
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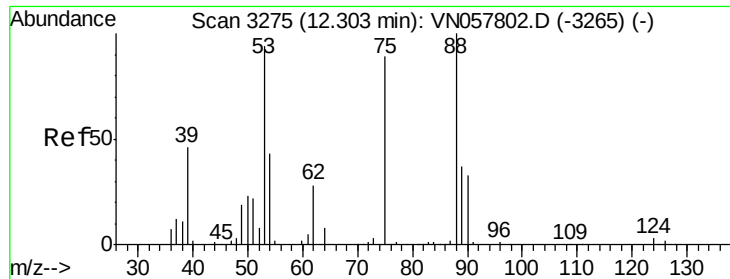
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#80
 1,3,5-Trimethylbenzene
 Concen: 81.113 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion: 105 Resp: 2198238
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.7 71.1





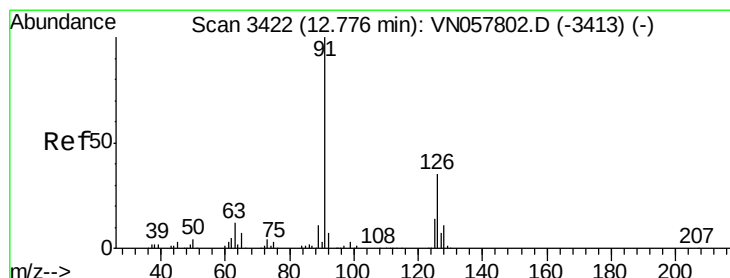
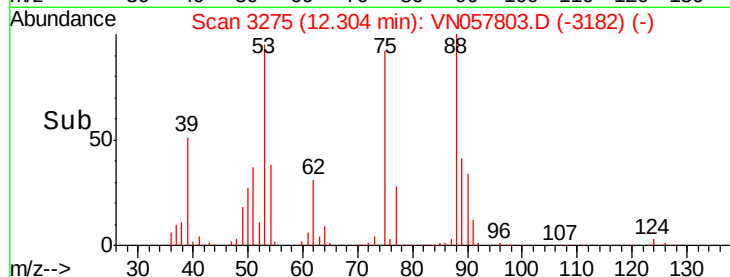
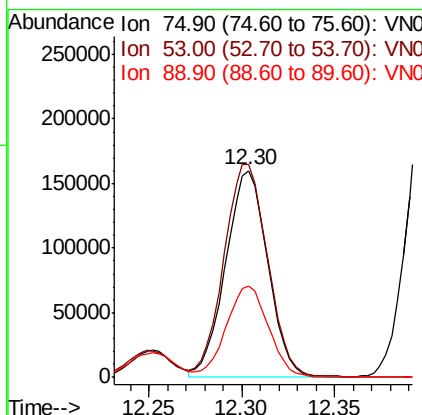
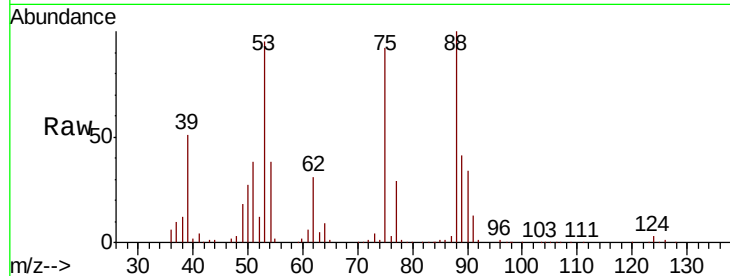
#81
trans-1,4-Dichloro-2-butene
Concen: 94.528 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.8	88.4	132.6
89	44.1	35.3	52.9

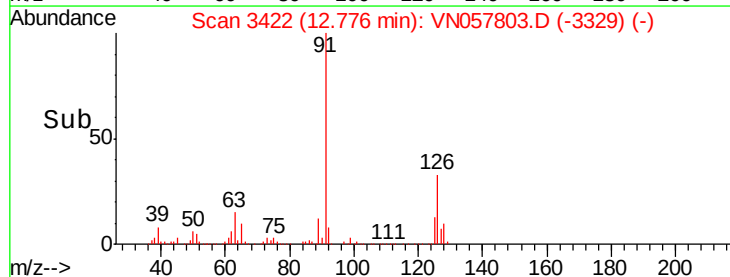
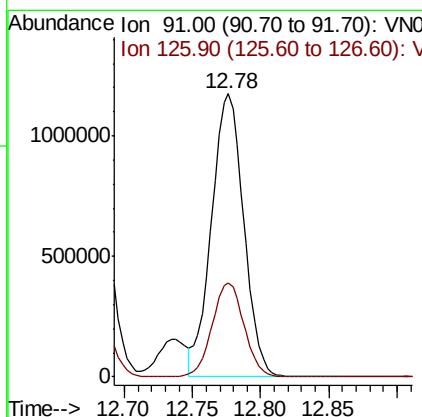
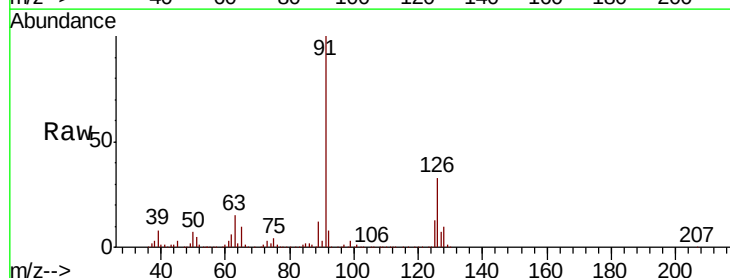
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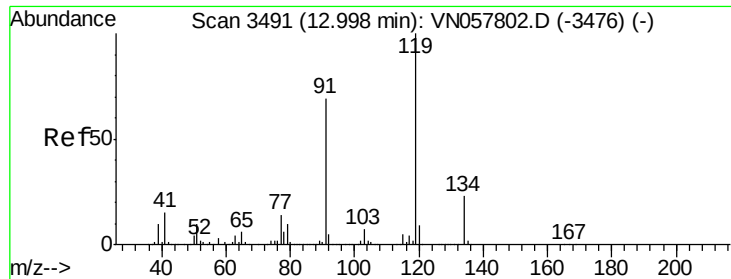
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#82
4-Chlorotoluene
Concen: 80.959 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.0	48.0





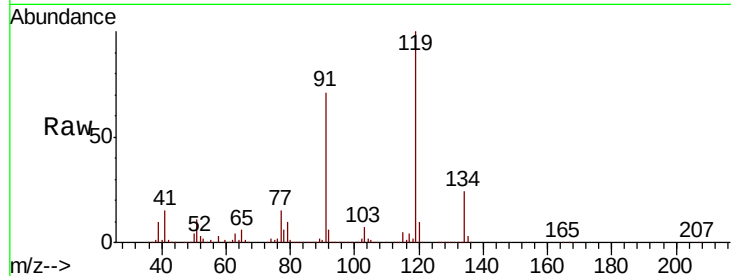
#83
 tert-Butylbenzene
 Concen: 83.840 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

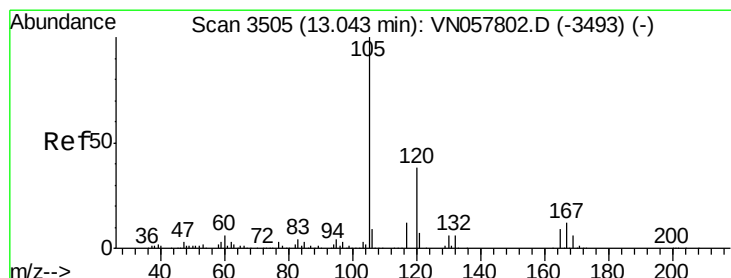
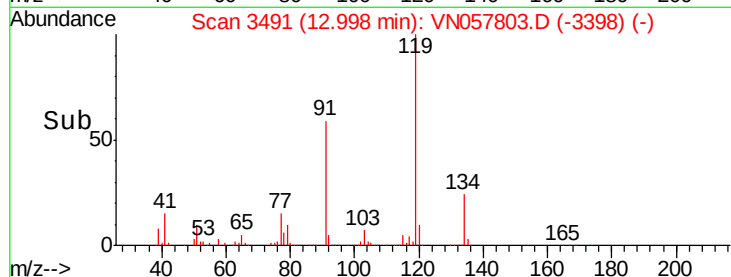
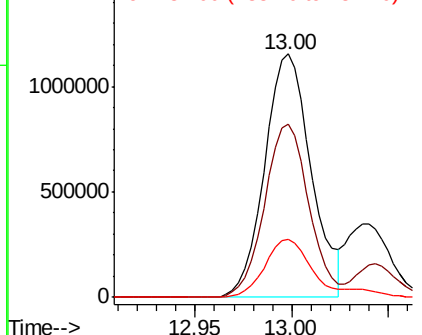
Tot Ion:119 Resp: 1932017
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.6 100.8
 134 23.5 11.7 35.0

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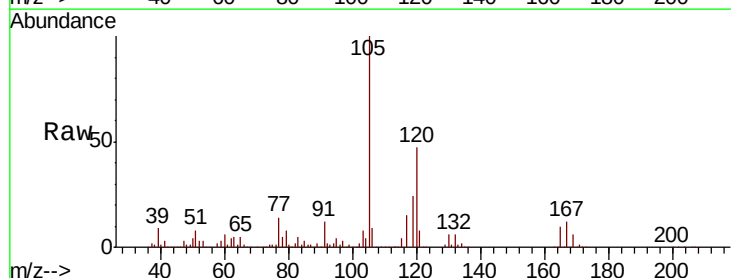


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

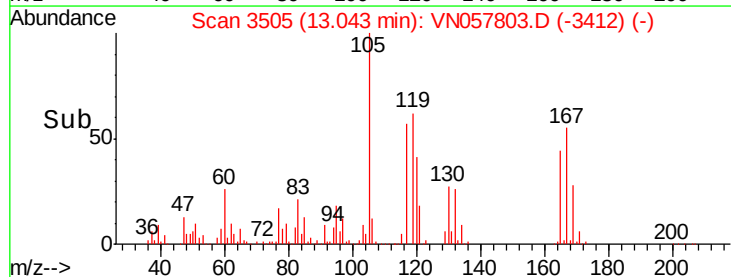
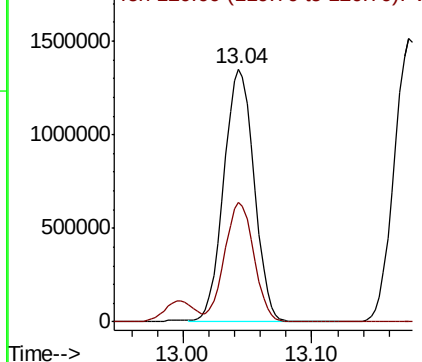


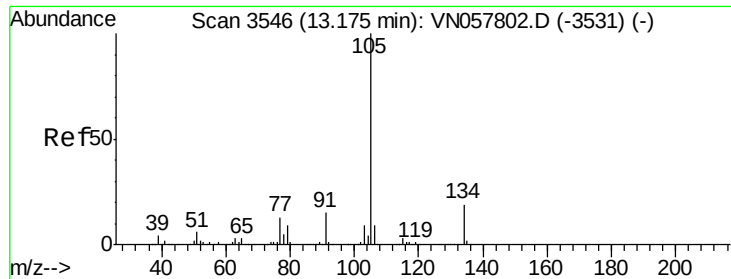
#84
 1,2,4-Trimethylbenzene
 Concen: 81.794 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion:105 Resp: 2198066
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 80.529 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2544804

Ion Ratio Lower Upper

105 100

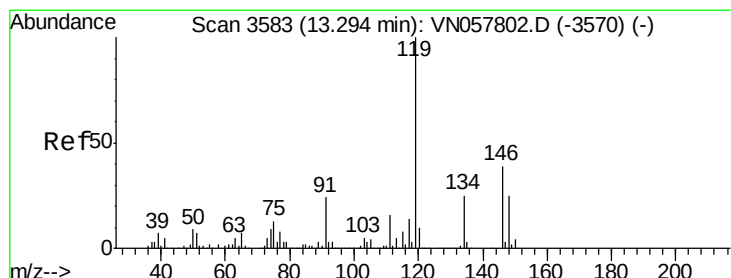
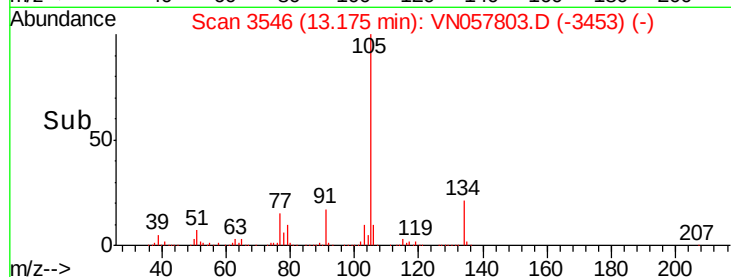
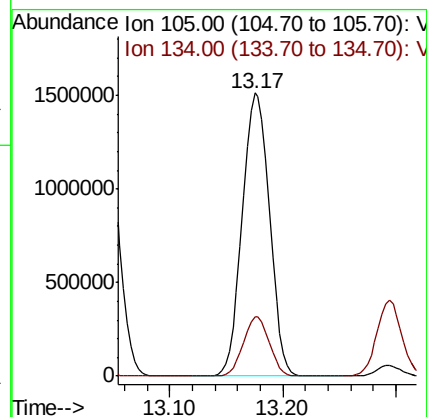
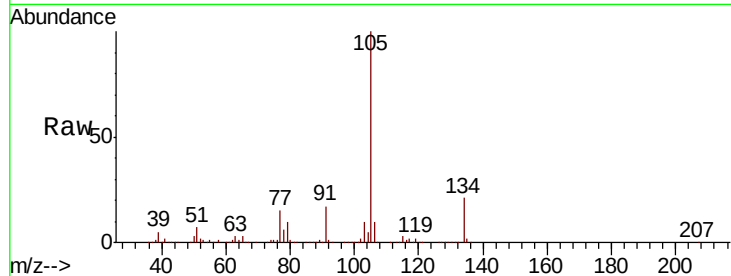
134 20.0 9.6 28.6

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9/10/2019 4:30:13 PM



#86

p-Isopropyltoluene

Concen: 85.505 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057803.D

Acq: 9 Sep 2019 16:10

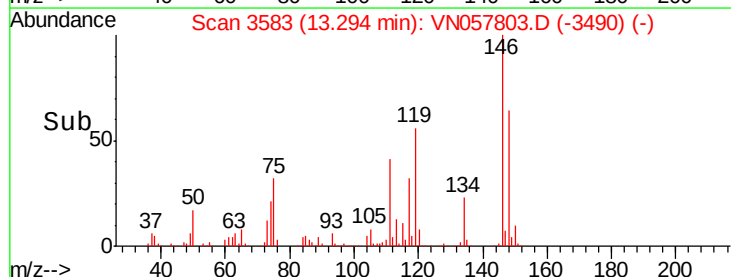
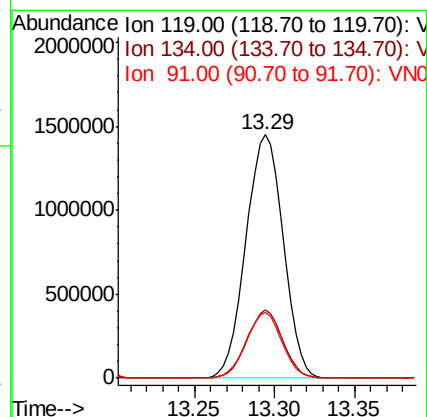
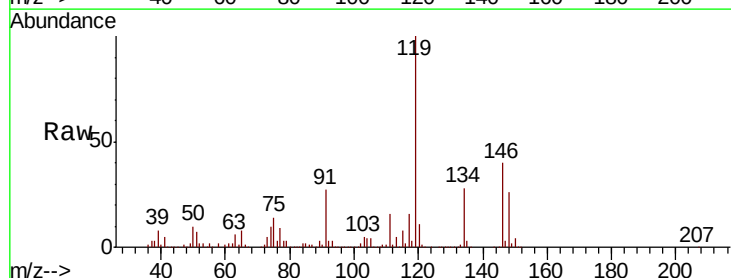
Tgt Ion:119 Resp: 2305970

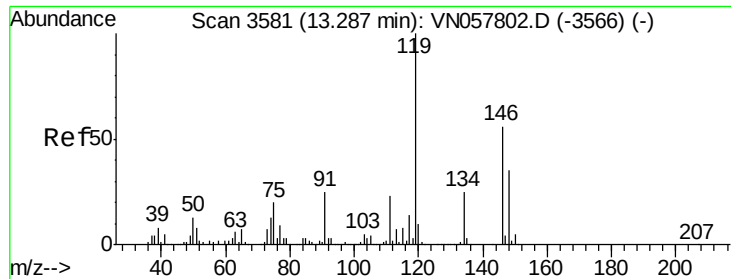
Ion Ratio Lower Upper

119 100

134 26.7 12.5 37.5

91 25.8 12.3 36.8





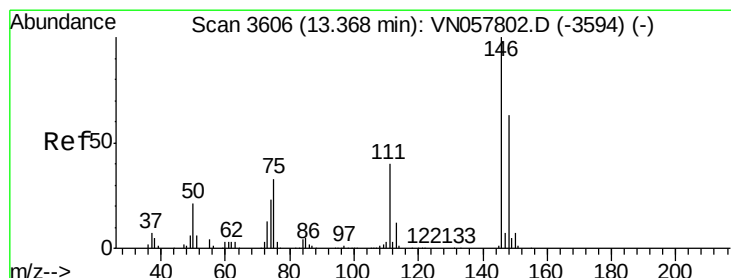
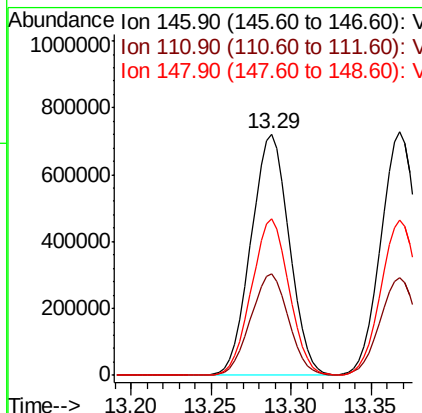
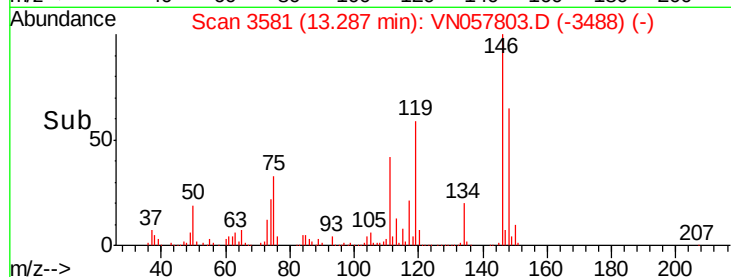
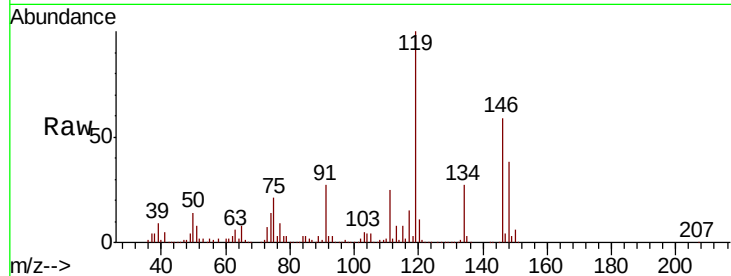
#87
 1,3-Dichlorobenzene
 Concen: 89.751 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	63.7	31.5	94.5

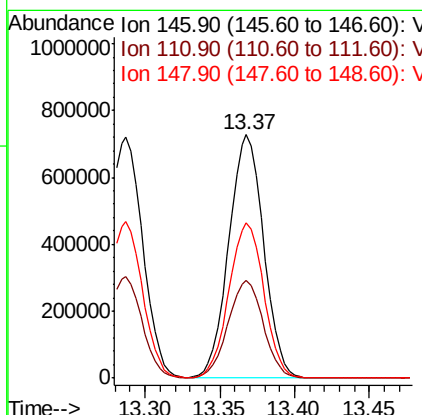
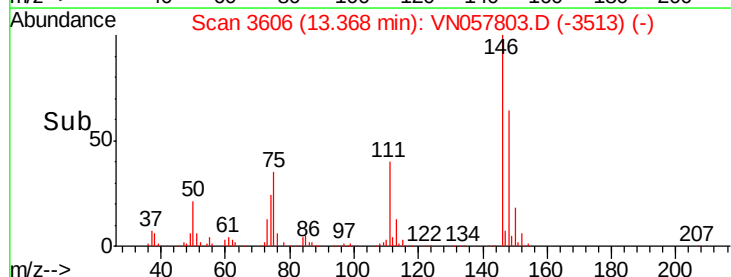
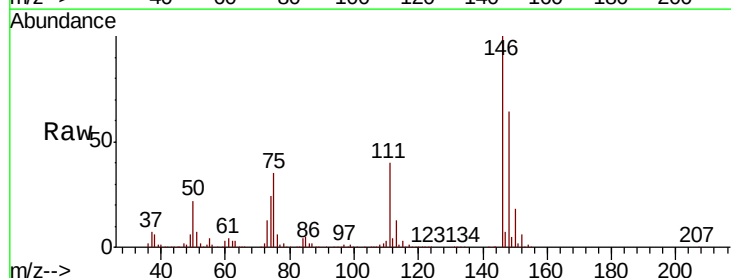
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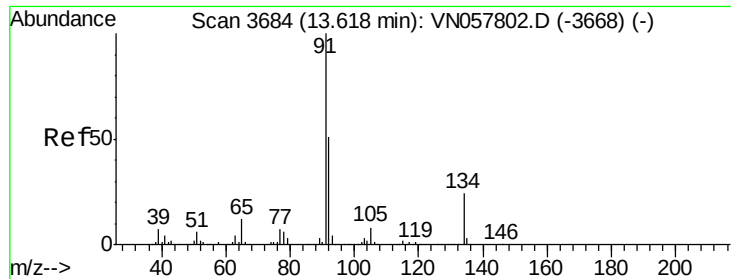
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#88
 1,4-Dichlorobenzene
 Concen: 89.366 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.2
148	63.9	31.8	95.4





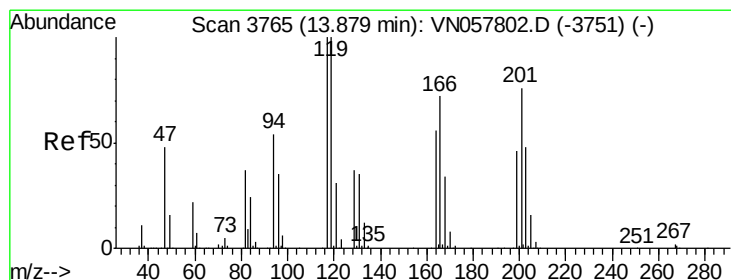
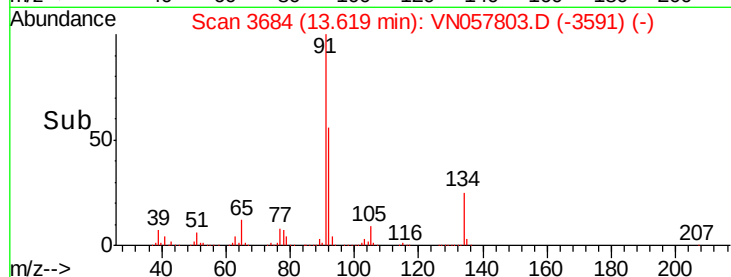
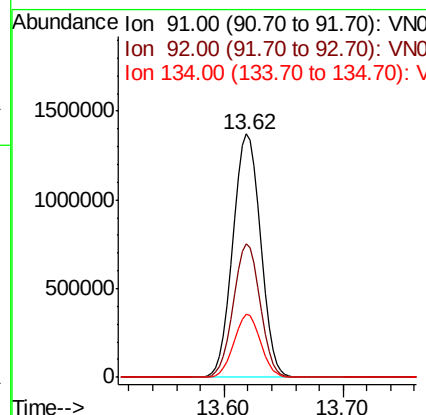
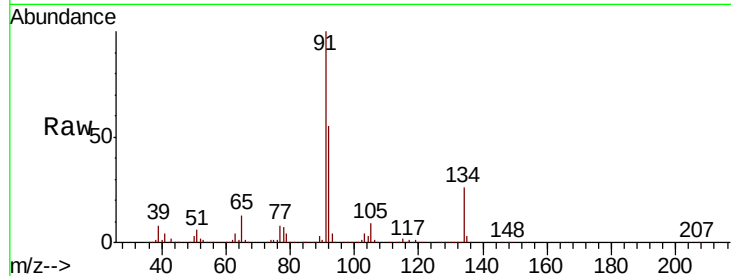
#89
n-Butylbenzene
Concen: 83.862 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2217046
Ion Ratio Lower Upper
91 100
92 53.2 25.7 77.0
134 25.0 11.9 35.7

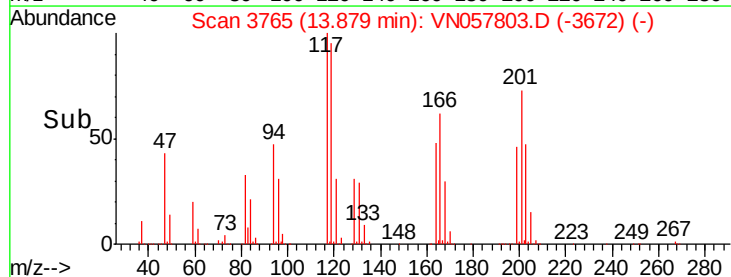
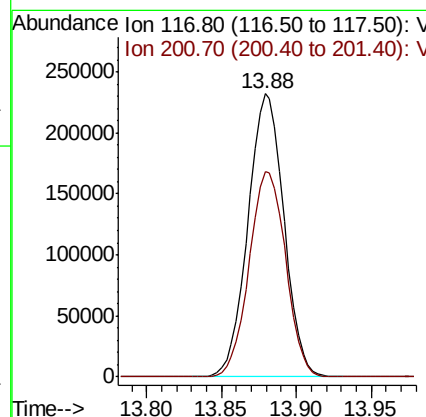
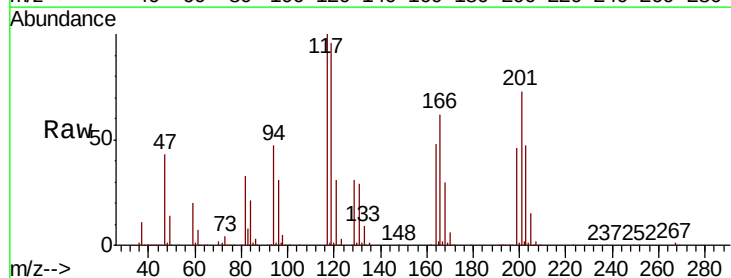
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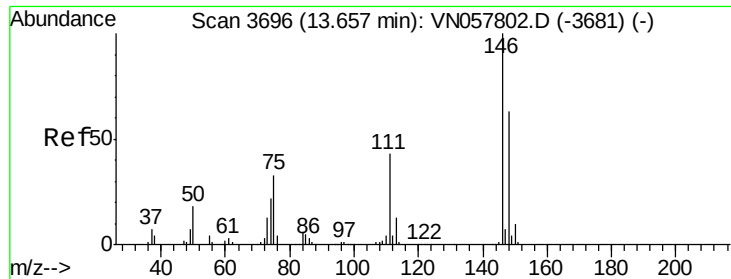
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#90
Hexachloroethane
Concen: 93.277 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion: 117 Resp: 388431
Ion Ratio Lower Upper
117 100
201 73.7 37.5 112.7





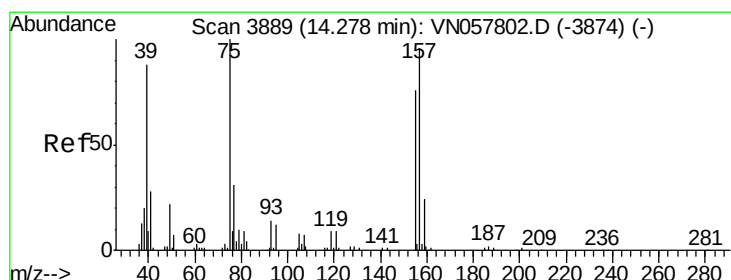
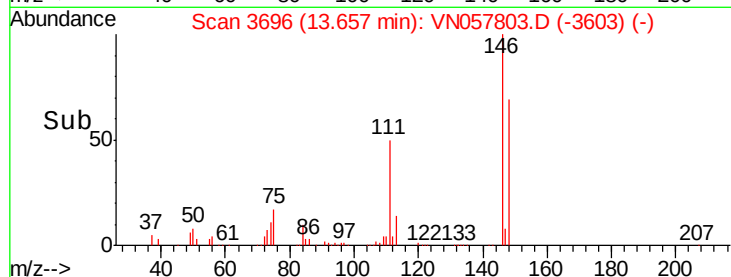
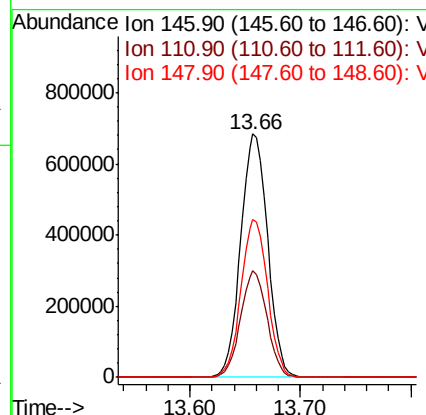
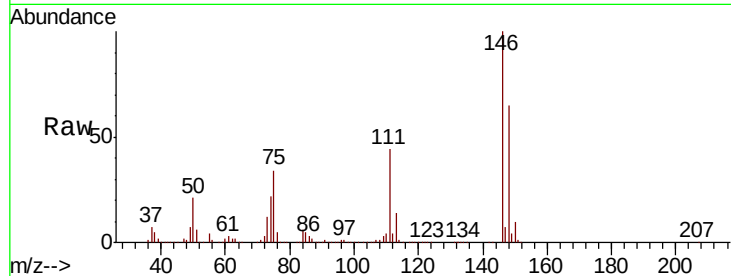
#91
 1,2-Dichlorobenzene
 Concen: 89.085 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.1	31.4	94.3

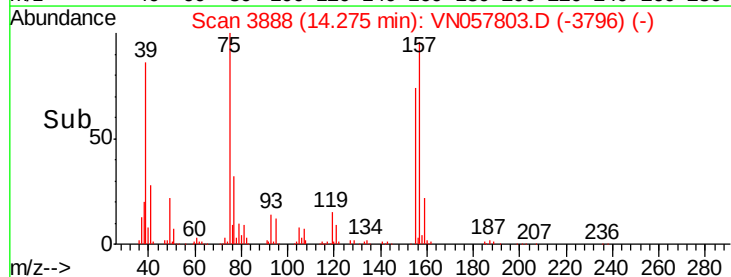
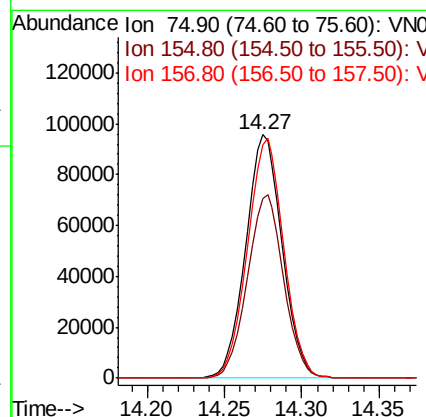
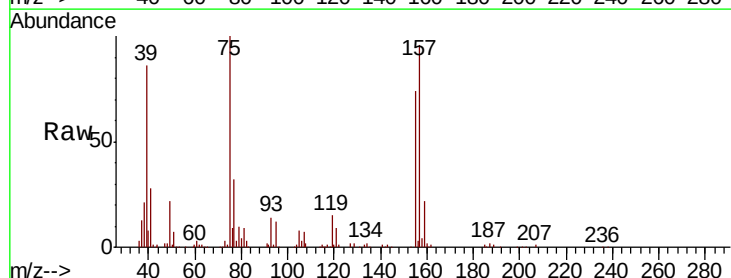
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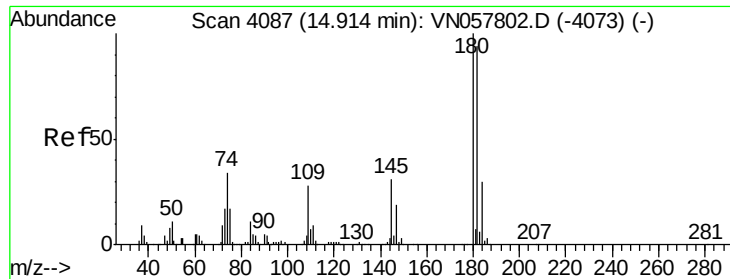
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 84.206 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	37.3	111.8
157	98.3	47.9	143.8





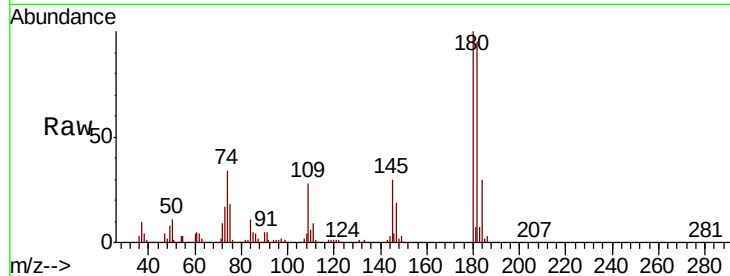
#93
 1,2,4-Trichlorobenzene
 Concen: 95.346 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	739410		
182	95.1	46.9	140.8	
145	30.3	14.9	44.7	

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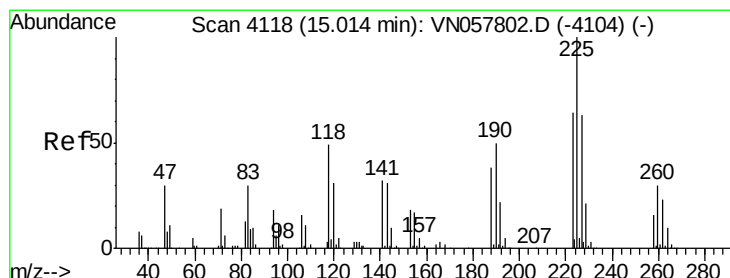
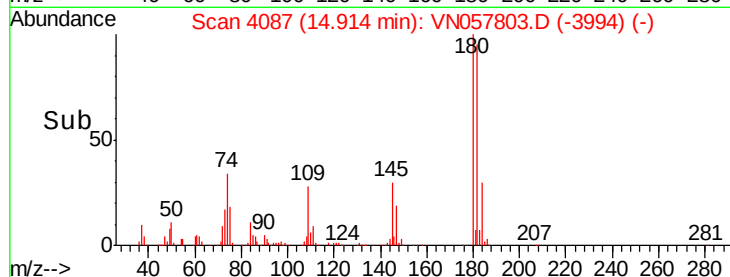
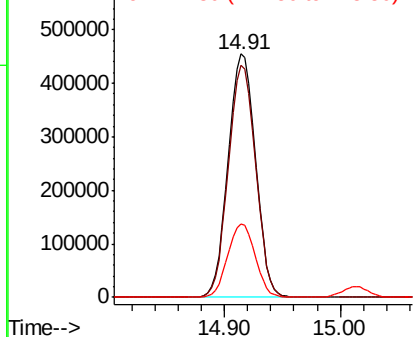


Abundance

Ion 179.80 (179.50 to 180.50): V

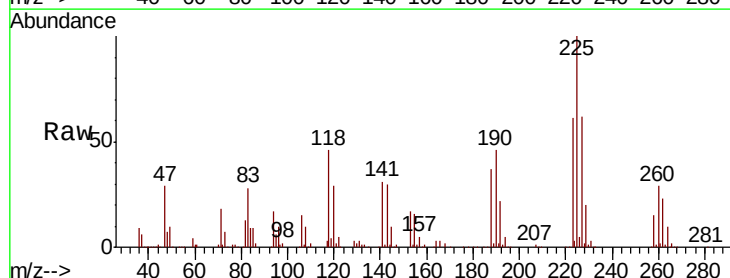
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 88.348 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057803.D
 Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	328252		
223	61.5	32.4	97.2	
227	63.0	31.8	95.4	

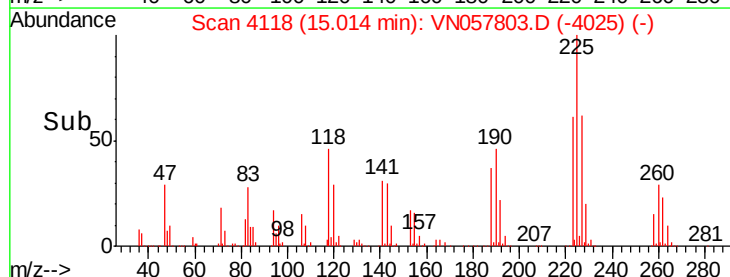
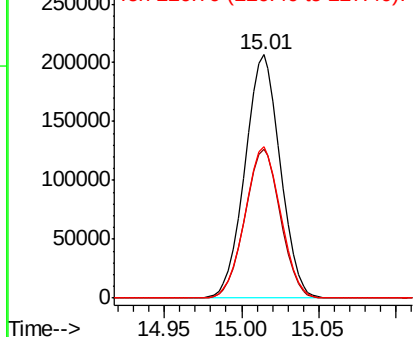


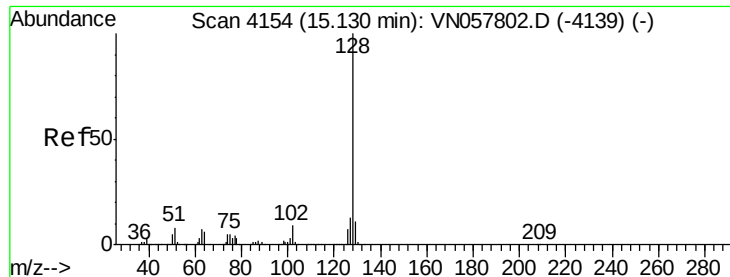
Abundance

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





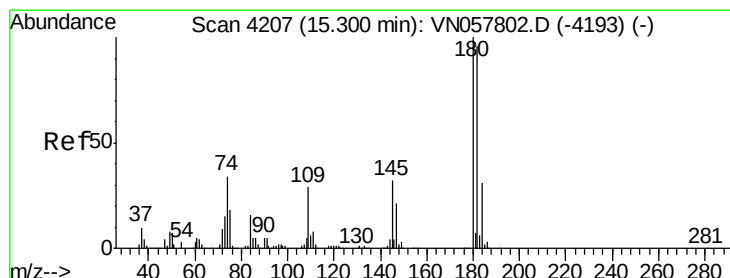
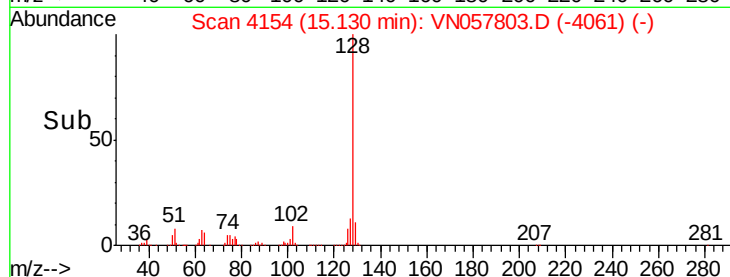
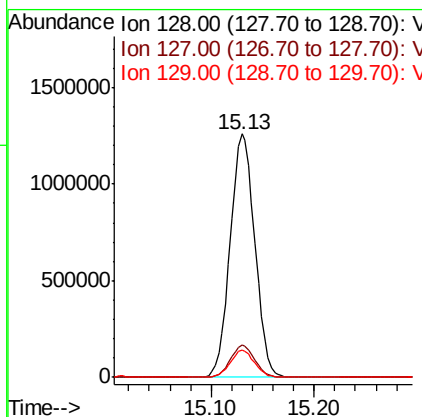
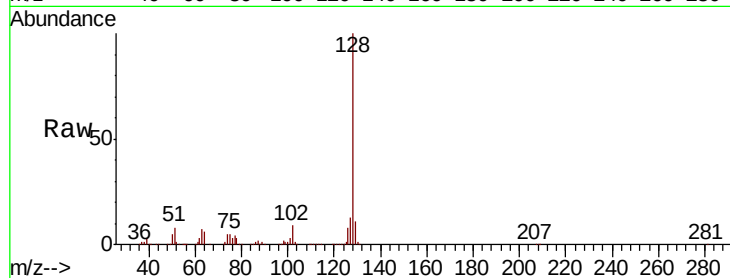
#95
Naphthalene
Concen: 93.171 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:30:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 93.188 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057803.D
Acq: 9 Sep 2019 16:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.3	144.8
145	32.5	16.3	48.8

