

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057245.D
 Acq On : 13 Aug 2019 13:04
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:21 AM

Quant Time: Aug 14 11:11:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1186561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1709353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1569097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	757444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	1173798	90.21	ug/l	0.00
Spiked Amount			Recovery	=	180.42%	
35) Dibromofluoromethane	7.58	113	1072300	99.59	ug/l	0.00
Spiked Amount			Recovery	=	199.18%	
50) Toluene-d8	10.09	98	4053416	97.90	ug/l	0.00
Spiked Amount			Recovery	=	195.80%	
62) 4-Bromofluorobenzene	12.40	95	1454740	104.61	ug/l	0.00
Spiked Amount			Recovery	=	209.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	948160	85.825	ug/l	99
3) Chloromethane	2.05	50	1041480	71.507	ug/l	98
4) Vinyl Chloride	2.18	62	1061299	75.817	ug/l	98
5) Bromomethane	2.53	94	728146	86.074	ug/l	97
6) Chloroethane	2.68	64	701472m	84.134	ug/l	
7) Trichlorofluoromethane	3.01	101	1658360	89.743	ug/l	99
8) Diethyl Ether	3.40	74	624233	88.159	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	989914	89.508	ug/l	99
10) Methyl Iodide	3.95	142	1643014	107.575	ug/l	99
11) Tert butyl alcohol	4.77	59	798134	383.918	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	1002958	90.630	ug/l	98
13) Acrolein	3.60	56	580333	653.438	ug/l	100
14) Allyl chloride	4.31	41	1543572	82.214	ug/l	99
15) Acrylonitrile	4.97	53	2245124	371.379	ug/l	99
16) Acetone	3.80	43	1991771	345.056	ug/l	99
17) Carbon Disulfide	4.05	76	2732686	92.893	ug/l	98
18) Methyl Acetate	4.31	43	1022921	64.736	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	3024185	86.603	ug/l	100
20) Methylene Chloride	4.54	84	1107273	84.855	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	1053457	90.233	ug/l	98
22) Diisopropyl ether	5.94	45	2942922	79.886	ug/l	97
23) Vinyl Acetate	5.88	43	12171969	409.370	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1857462	85.607	ug/l	99
25) 2-Butanone	6.82	43	2900784	346.121	ug/l	99
26) 2,2-Dichloropropane	6.81	77	1588603	99.254	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	1224349	91.065	ug/l	100
28) Bromochloromethane	7.18	49	828681	82.727	ug/l	99
29) Tetrahydrofuran	7.20	42	1829480	336.152	ug/l	99
30) Chloroform	7.36	83	1910235	87.330	ug/l	100
31) Cyclohexane	7.65	56	1605279	79.384	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	1701235	97.299	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1463094	92.746	ug/l	99
37) Ethyl Acetate	6.91	43	1163176	78.017	ug/l	99
38) Carbon Tetrachloride	7.77	117	1547164	102.731	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1756532	90.795	ug/l	100
40) Benzene	8.03	78	4357075	90.560	ug/l	99
41) Methacrylonitrile	7.17	41	556011m	85.782	ug/l	
42) 1,2-Dichloroethane	8.12	62	1410971	92.346	ug/l	99
43) Isopropyl Acetate	8.16	43	1974100	83.001	ug/l	100
44) Trichloroethene	8.83	130	1269410	95.946	ug/l	98
45) 1,2-Dichloropropane	9.11	63	1129529	89.126	ug/l	99
46) Dibromomethane	9.20	93	743551	93.577	ug/l	99
47) Bromodichloromethane	9.40	83	1506719	99.070	ug/l	100
48) Methyl methacrylate	9.19	41	949854	83.106	ug/l	99
49) 1,4-Dioxane	9.19	88	395464	1659.860	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	5792291	381.367	ug/l	100
52) Toluene	10.15	92	2756751	95.786	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1670220	105.077	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	1828062	99.526	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1059368	88.559	ug/l	99
56) Ethyl methacrylate	10.43	69	1598234	93.931	ug/l	100
57) 1,3-Dichloropropane	10.70	76	1747979	89.566	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2237291	296.491	ug/l	99
59) 2-Hexanone	10.75	43	4296406	396.090	ug/l	100
60) Dibromochloromethane	10.90	129	1261951	105.745	ug/l	99
61) 1,2-Dibromoethane	11.00	107	1139059	95.504	ug/l	99
64) Tetrachloroethene	10.63	164	1232152	90.603	ug/l	98
65) Chlorobenzene	11.43	112	3073275	95.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1177633	98.702	ug/l	98
67) Ethyl Benzene	11.51	91	5400362	95.920	ug/l	99
68) m/p-Xylenes	11.62	106	4115396	195.735	ug/l	100
69) o-Xylene	11.95	106	2004167	96.988	ug/l	99
70) Styrene	11.96	104	3414863	102.561	ug/l	100
71) Bromoform	12.13	173	990851	109.287	ug/l	100
73) Isopropylbenzene	12.25	105	5418254	87.097	ug/l	99
74) N-amyl acetate	12.07	43	1686388	76.176	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1470674	71.885	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1235729m	75.771	ug/l	
77) Bromobenzene	12.53	156	1467546	90.037	ug/l	99
78) n-propylbenzene	12.59	91	5966085	87.319	ug/l	99
79) 2-Chlorotoluene	12.67	91	3568387	83.980	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4629155	88.090	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	504546	93.376	ug/l	99
82) 4-Chlorotoluene	12.77	91	3593797	89.815	ug/l	100
83) tert-Butylbenzene	12.99	119	4065076	88.030	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4513376	88.653	ug/l	100
85) sec-Butylbenzene	13.17	105	5225115	89.620	ug/l	99
86) p-Isopropyltoluene	13.29	119	4793851	91.252	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2430452	92.348	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2350257	92.344	ug/l	99
89) n-Butylbenzene	13.62	91	3678250	89.063	ug/l	100
90) Hexachloroethane	13.88	117	868049	99.559	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	2329754	87.194	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	234447	74.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1090919	94.473	ug/l	100
94) Hexachlorobutadiene	15.01	225	956985	96.423	ug/l	100
95) Naphthalene	15.13	128	1979451	66.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	893710	75.900	ug/l	98

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

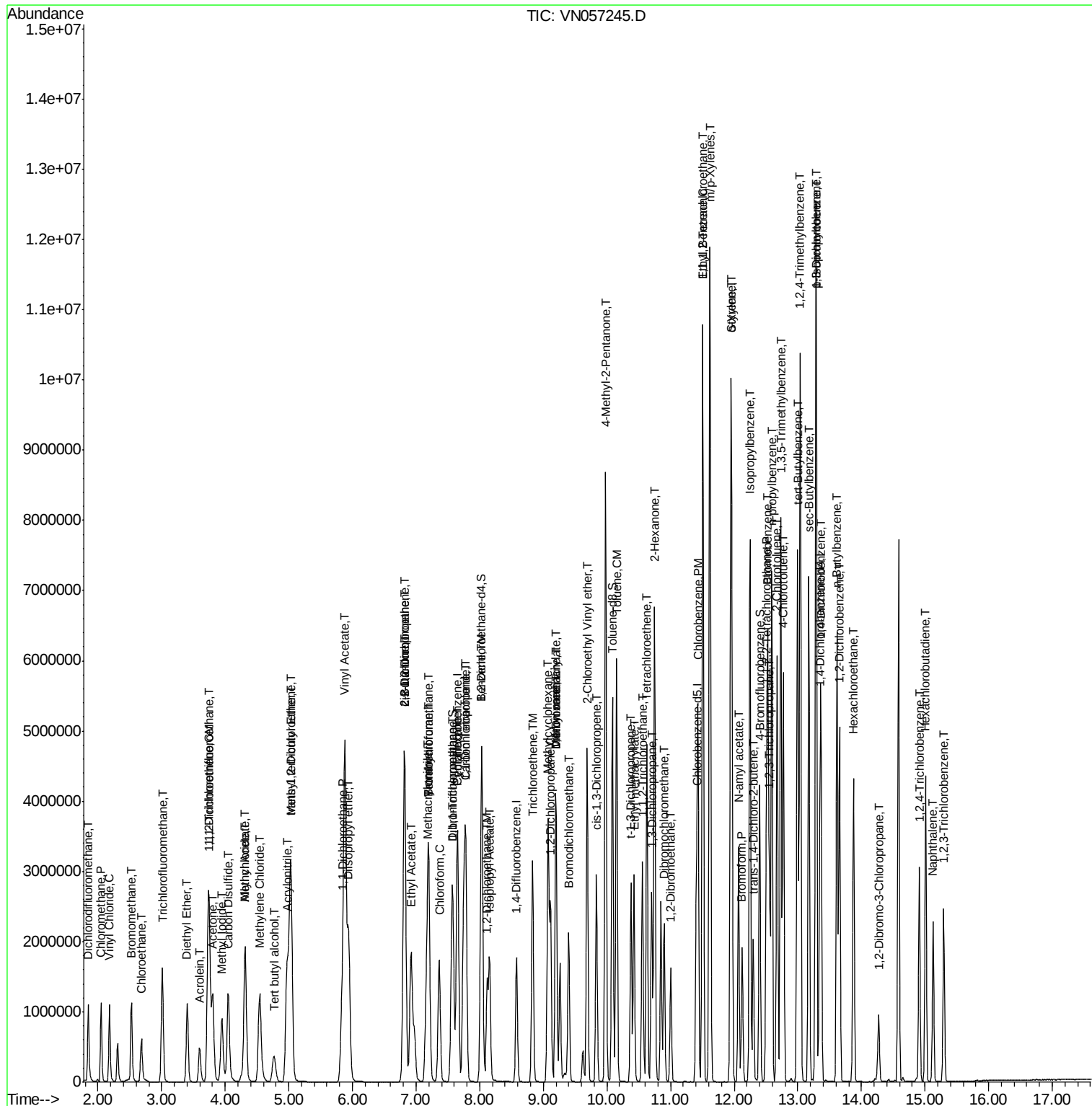
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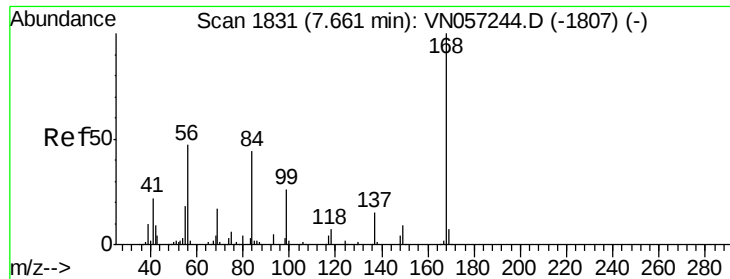
Instrument :
MSVOA_N
Client Sampled :
VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1186561

Ion Ratio Lower Upper

168 100

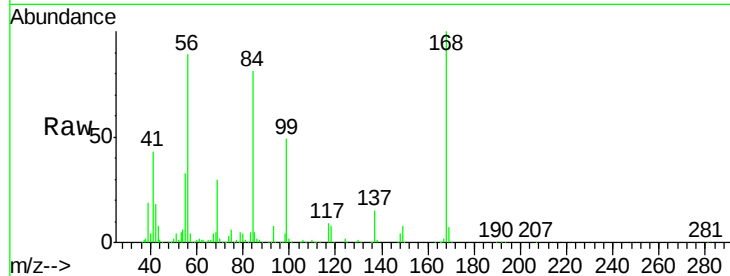
99 48.5 38.6 58.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

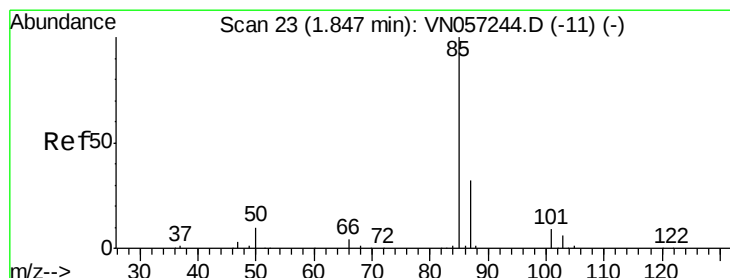
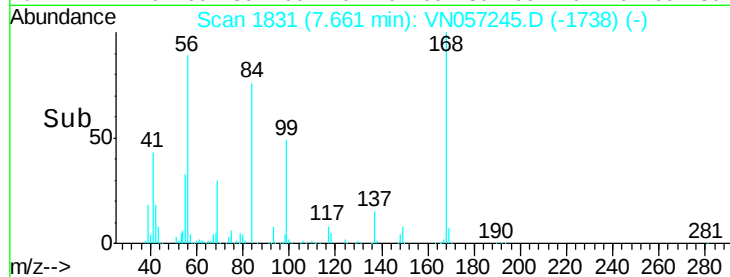
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 85.825 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057245.D

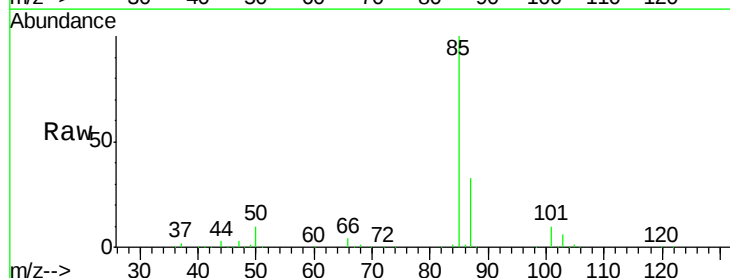
Acq: 13 Aug 2019 13:04

Tgt Ion: 85 Resp: 948160

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

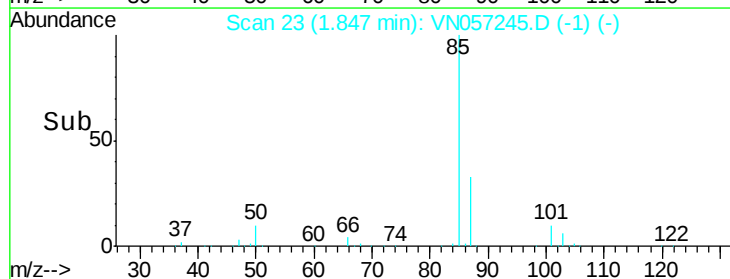
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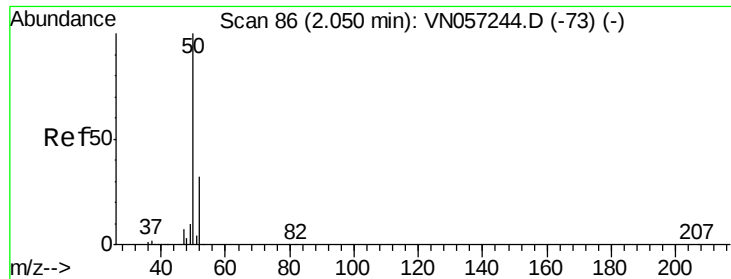
400000

200000

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Time-->





#3

Chloromethane

Concen: 71.507 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1041480

Ion Ratio Lower Upper

50 100

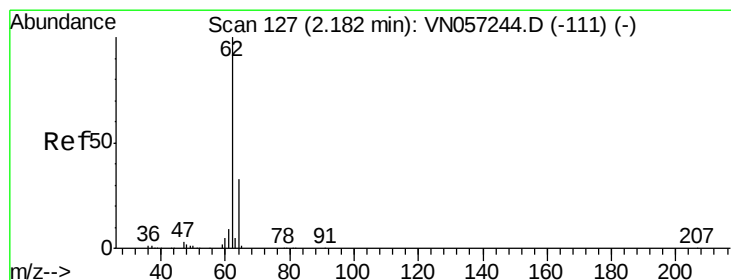
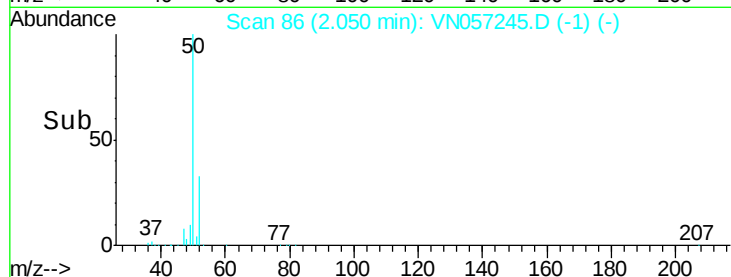
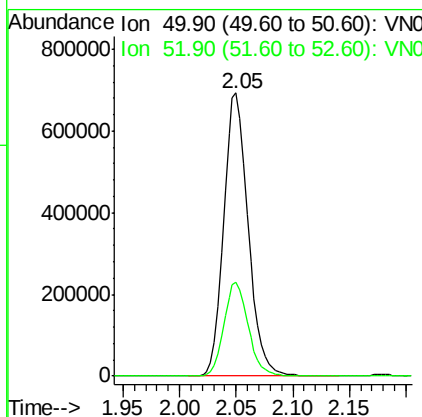
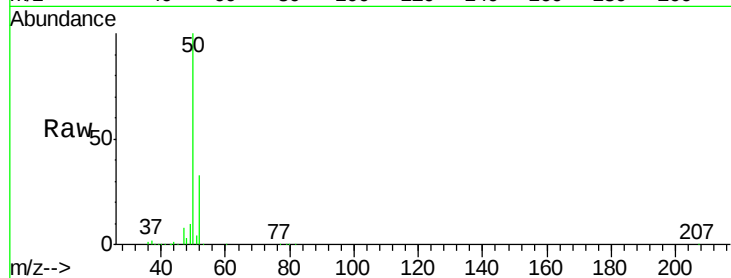
52 33.2 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 75.817 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057245.D

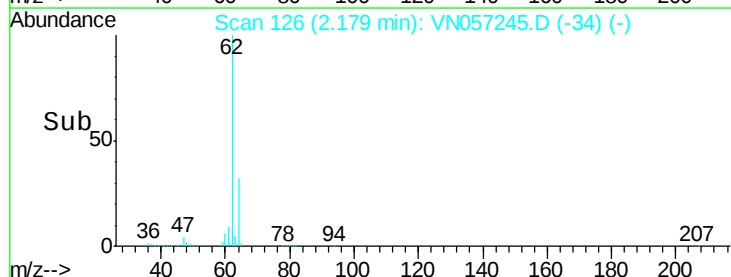
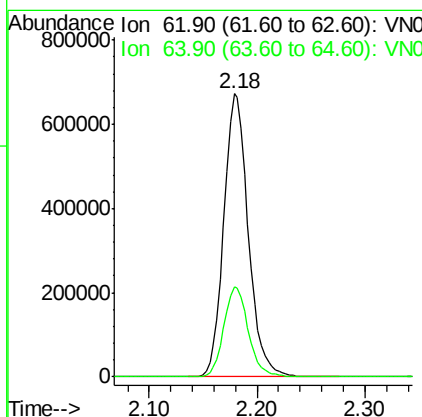
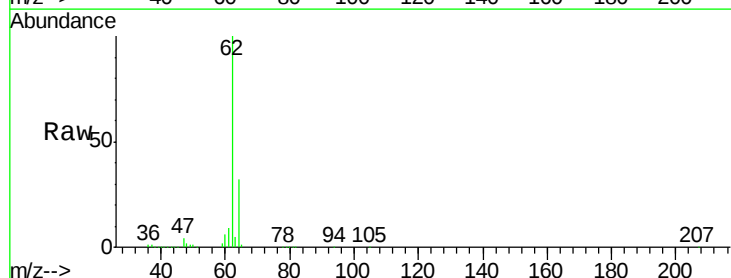
Acq: 13 Aug 2019 13:04

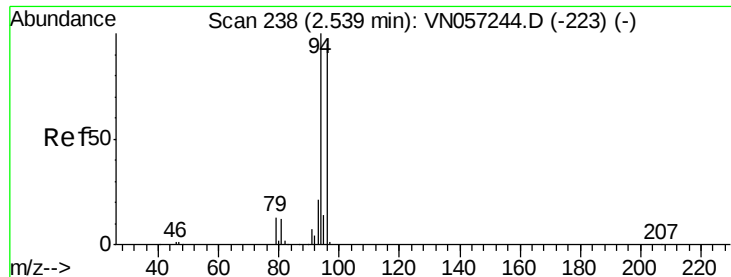
Tgt Ion: 62 Resp: 1061299

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 86.074 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 728146

Ion Ratio Lower Upper

94 100

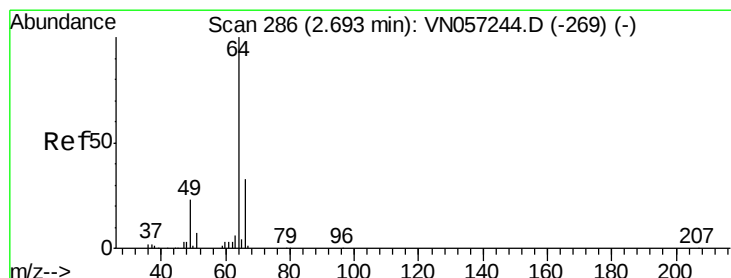
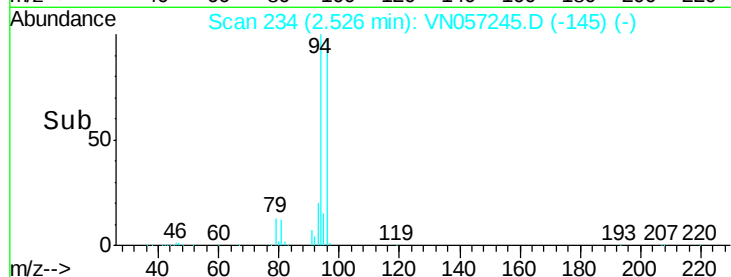
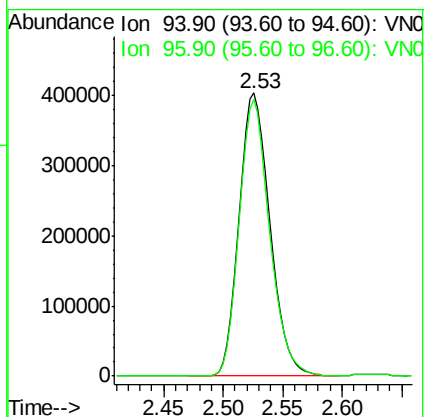
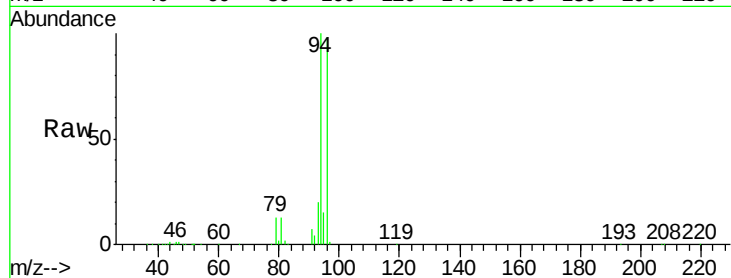
96 97.9 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 84.134 ug/l m

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN057245.D

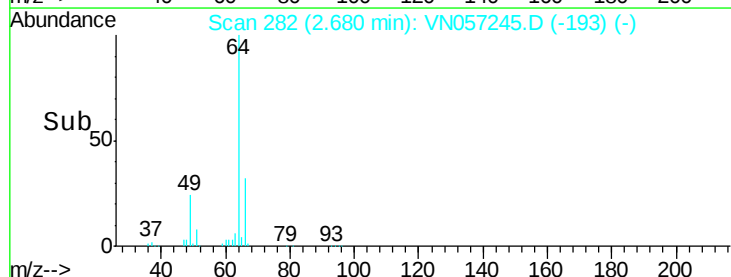
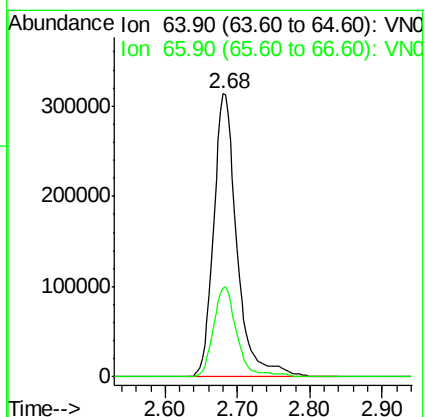
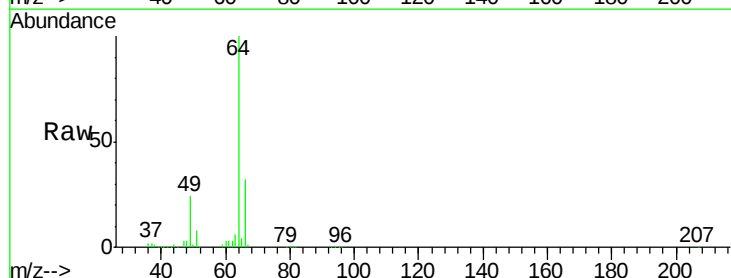
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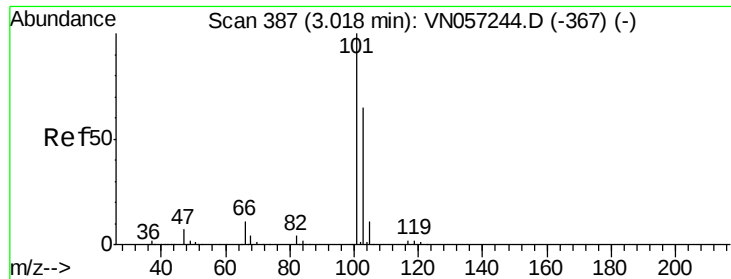
Tgt Ion: 64 Resp: 701472

Ion Ratio Lower Upper

64 100

66 31.5 26.3 39.5





#7

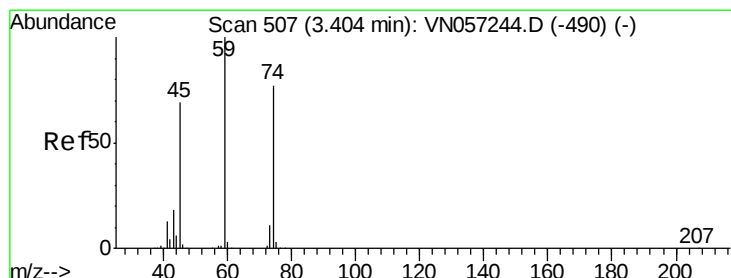
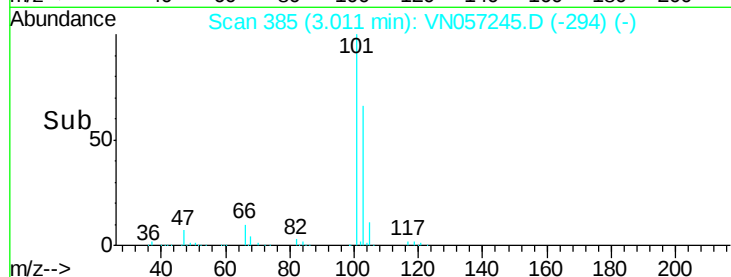
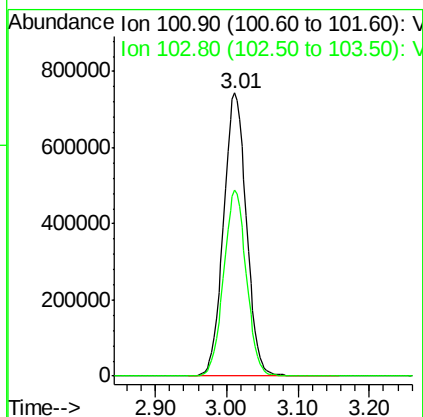
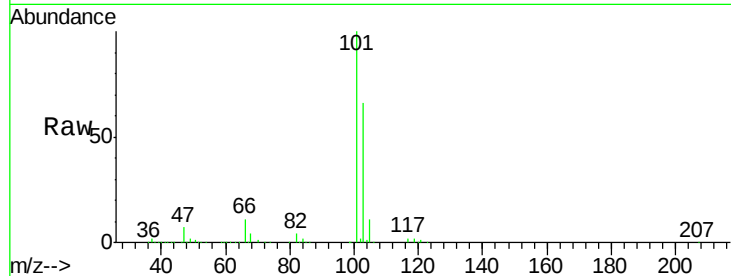
Trichlorofluoromethane
Concen: 89.743 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

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ClientSampleId :
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Tot Ion:101 Resp: 1658360
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.6

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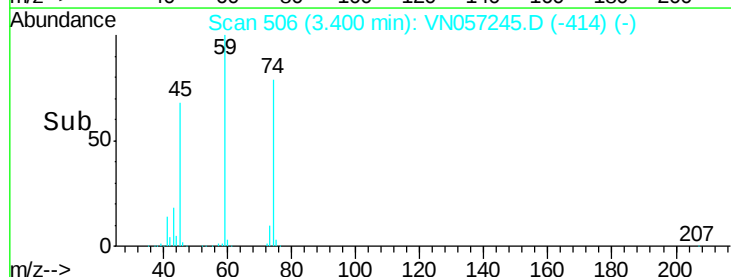
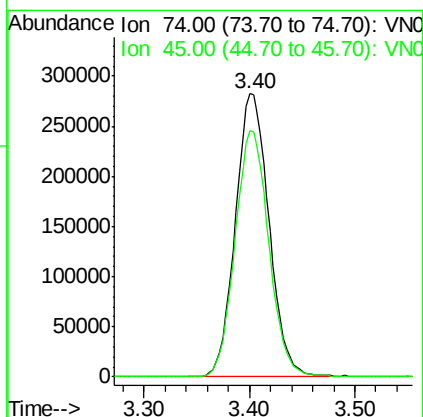
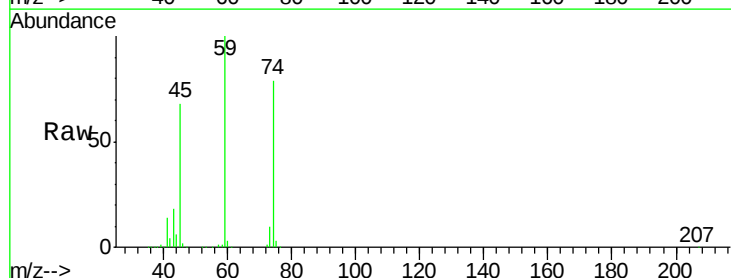
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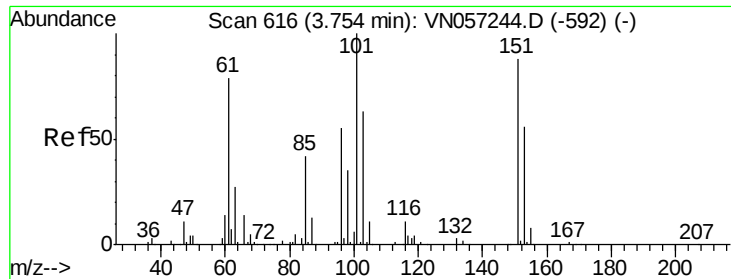


#8

Diethyl Ether
Concen: 88.159 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 74 Resp: 624233
Ion Ratio Lower Upper
74 100
45 87.5 45.1 135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.508 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

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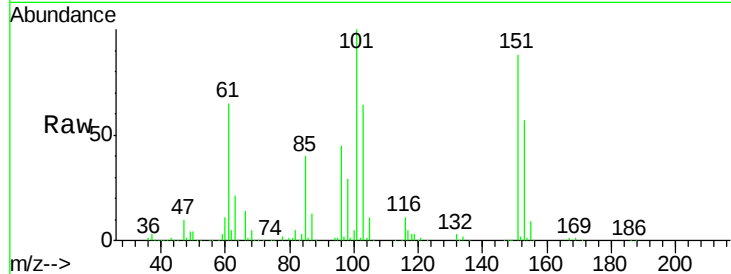
ClientSampleId :

VSTDIC100

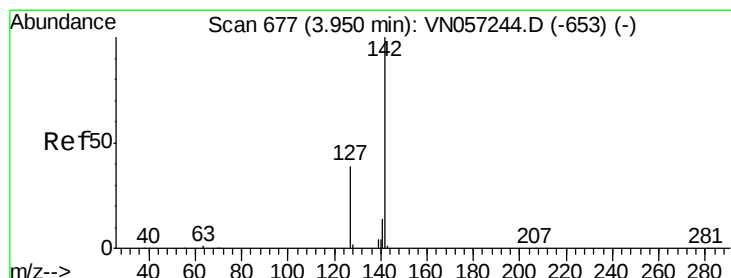
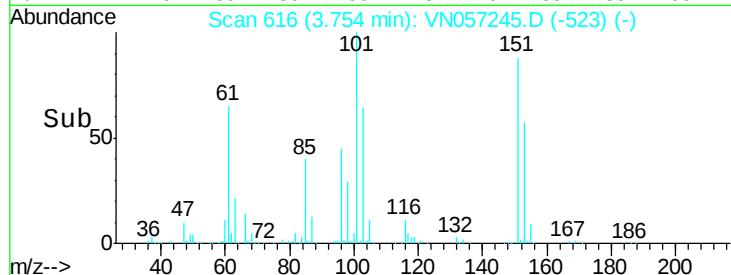
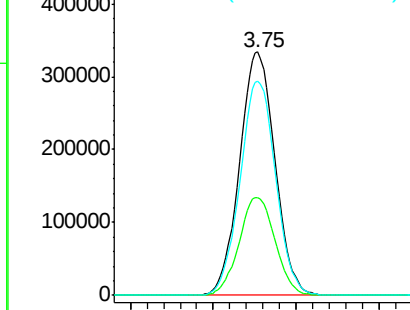
Tot Ion:	101	Resp:	989914
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.7	49.1
151	88.7	70.1	105.1

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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: 107.575 ug/l

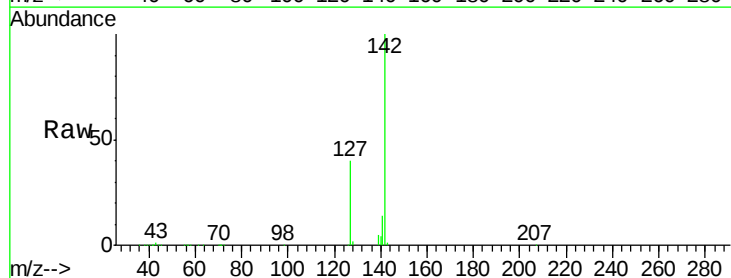
RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

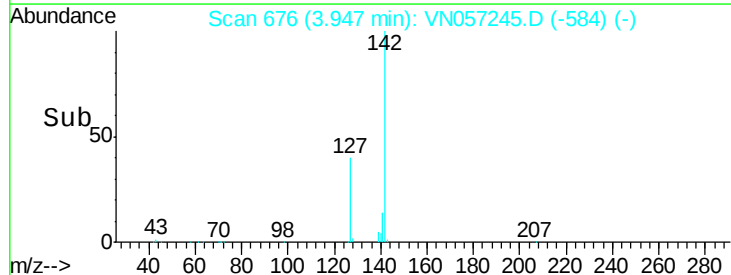
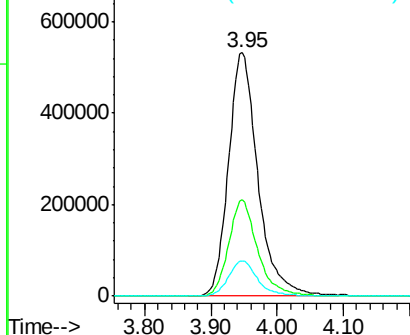
Lab File: VN057245.D

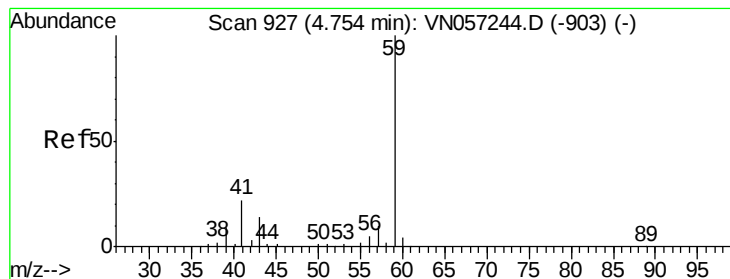
Acq: 13 Aug 2019 13:04

Tgt Ion:	142	Resp:	1643014
Ion Ratio	Lower	Upper	
142	100		
127	39.0	30.7	46.1
141	14.4	11.0	16.6



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

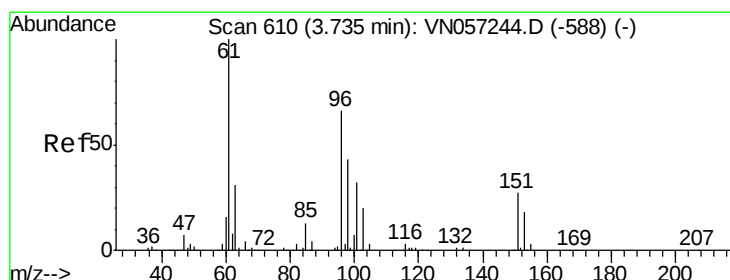
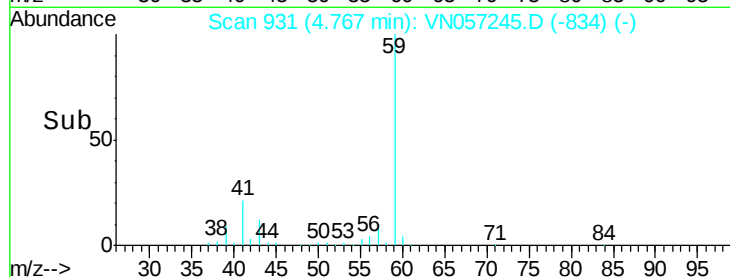
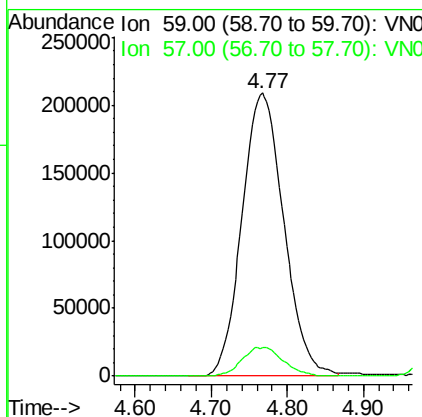
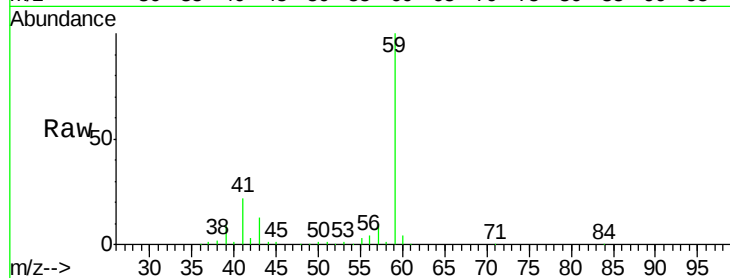
Tert butyl alcohol
Concen: 383.918 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	3.4	5.2#

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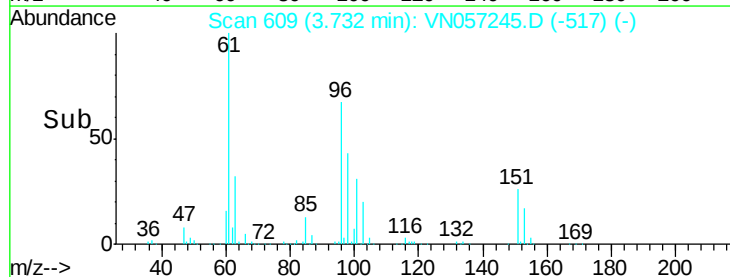
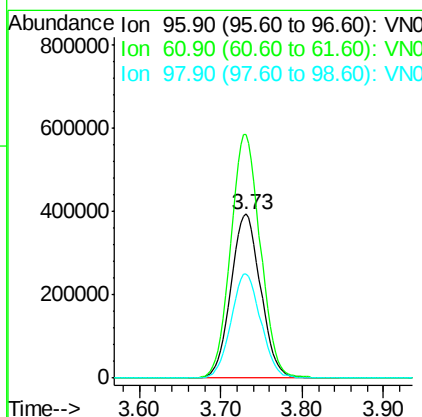
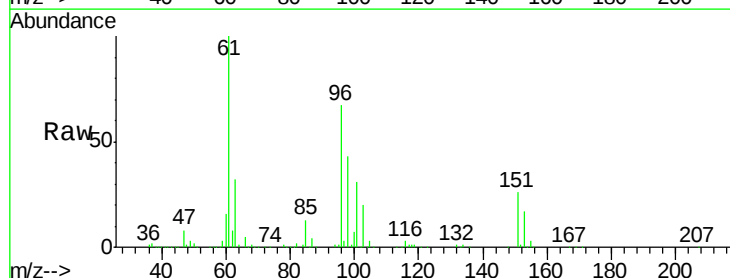
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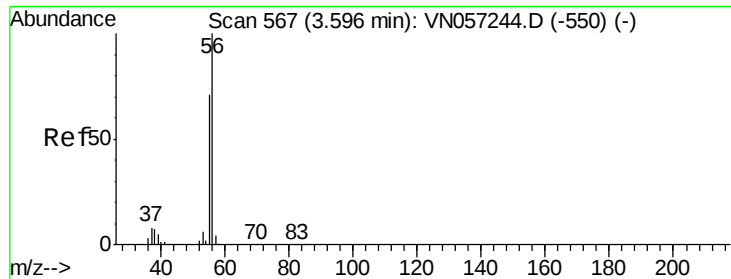


#12

1,1-Dichloroethene
Concen: 90.630 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.5	121.1	181.7
98	63.4	52.0	78.0





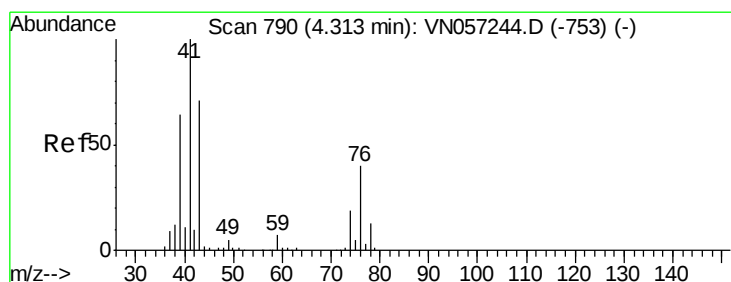
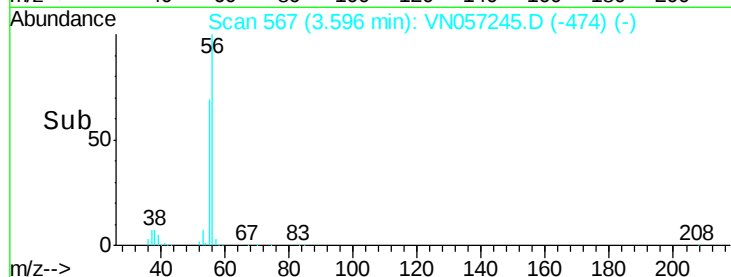
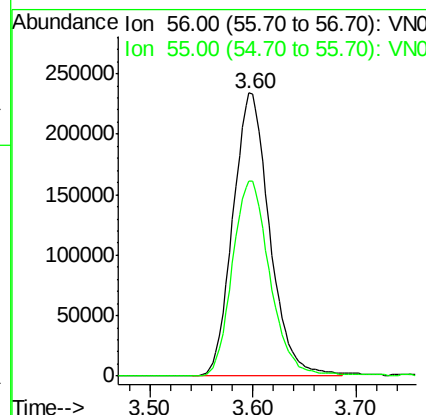
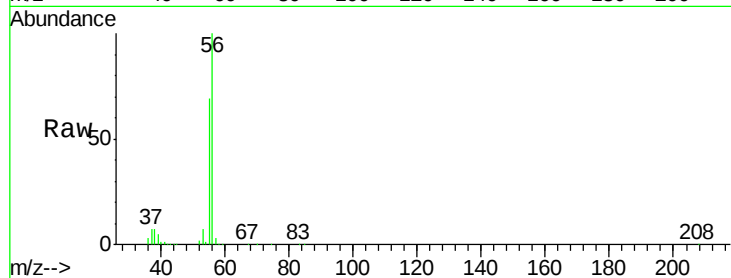
#13
Acrolein
Concen: 653.438 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.7	56.6	84.8

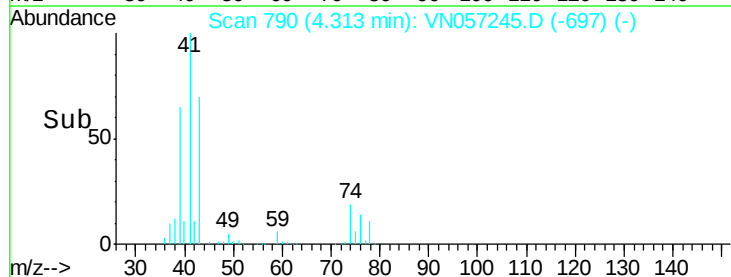
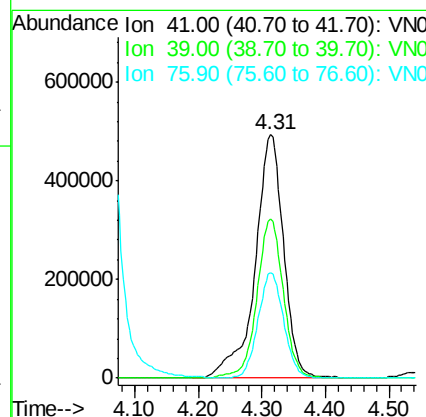
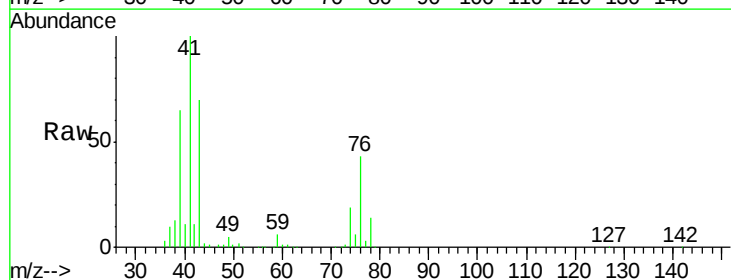
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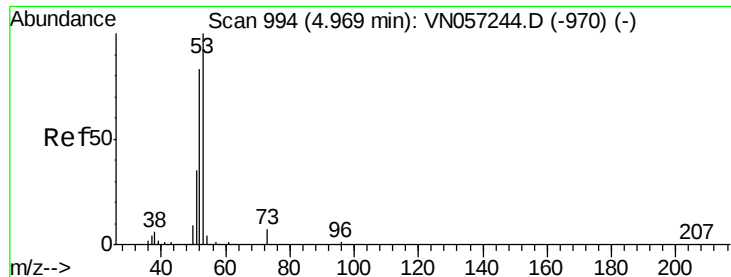
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#14
Allyl chloride
Concen: 82.214 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	60.5	48.5	72.7
76	76	38.3	29.8	44.8





#15

Acrylonitrile

Concen: 371.379 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 2245124

Ion Ratio Lower Upper

53 100

52 82.5 65.9 98.9

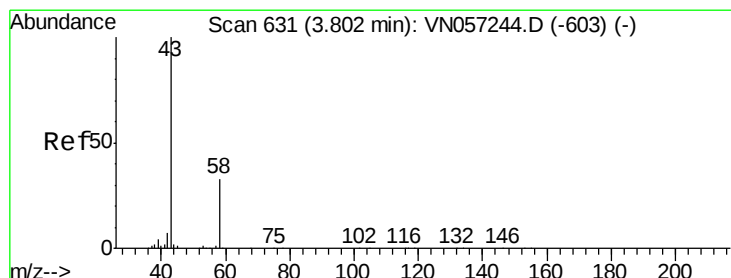
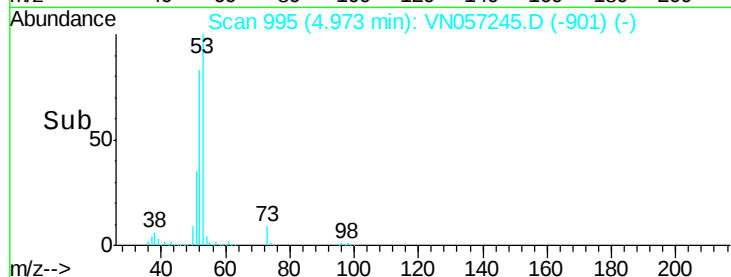
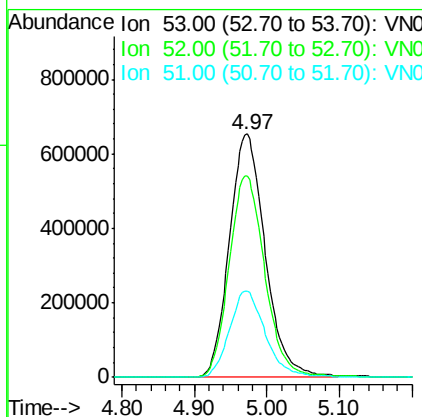
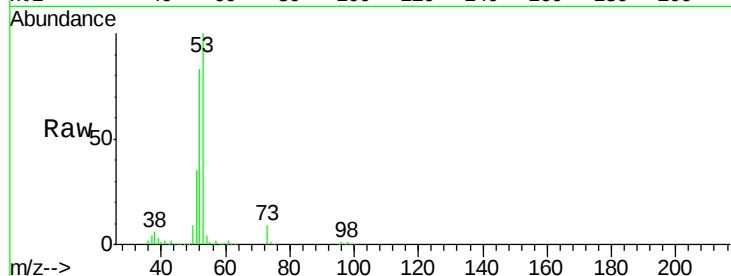
51 35.8 27.8 41.6

Manual Integrations

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#16

Acetone

Concen: 345.056 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN057245.D

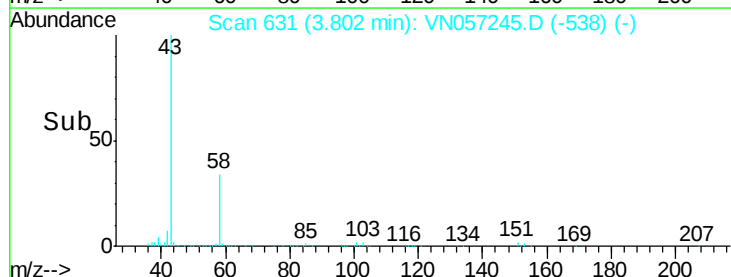
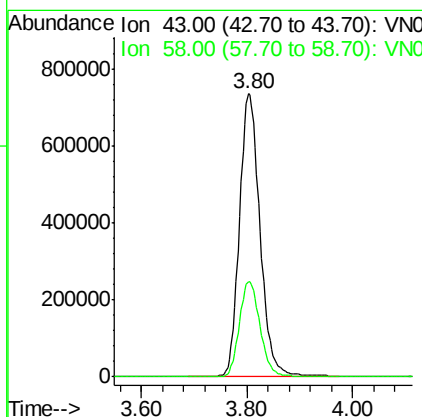
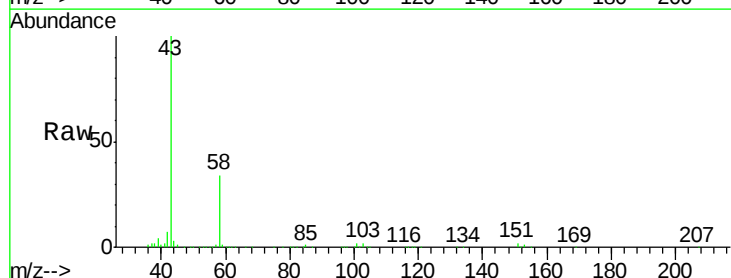
Acq: 13 Aug 2019 13:04

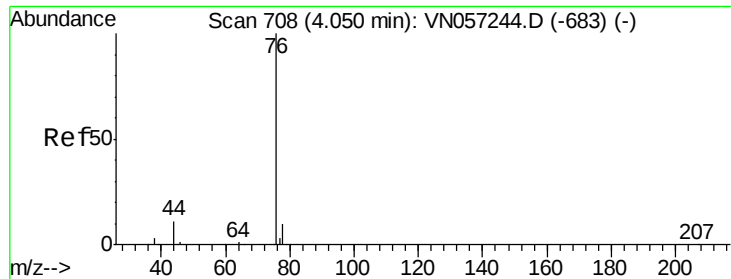
Tgt Ion: 43 Resp: 1991771

Ion Ratio Lower Upper

43 100

58 33.8 26.7 40.1





#17

Carbon Disulfide

Concen: 92.893 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 2732686

Ion Ratio Lower Upper

76 100

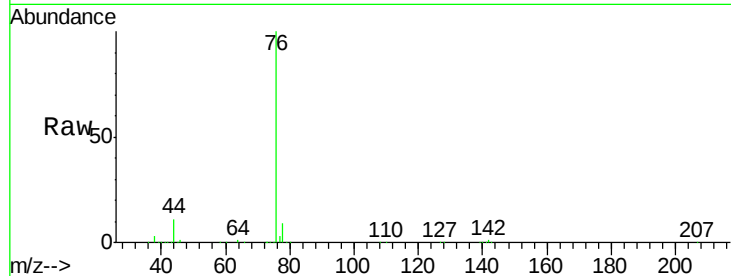
78 9.0 7.7 11.5

Manual Integrations

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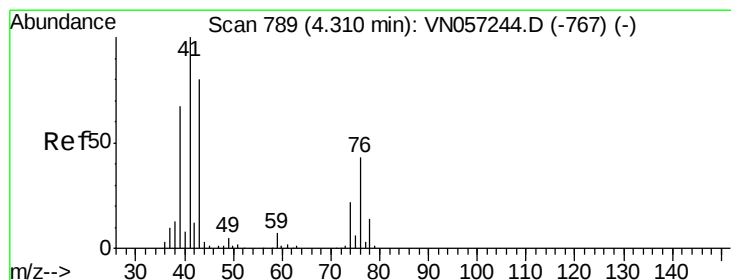
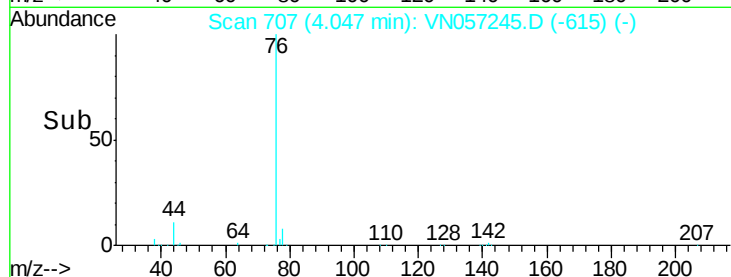
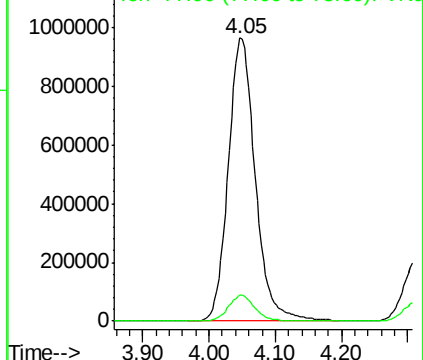
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 64.736 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN057245.D

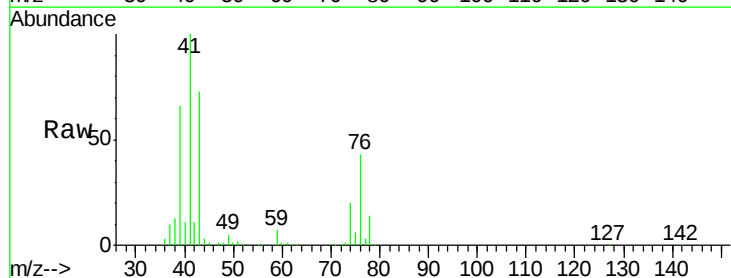
Acq: 13 Aug 2019 13:04

Tgt Ion: 43 Resp: 1022921

Ion Ratio Lower Upper

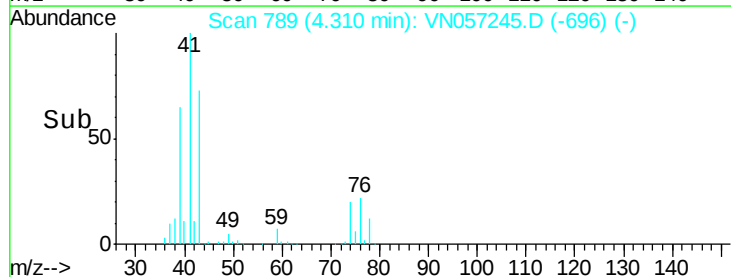
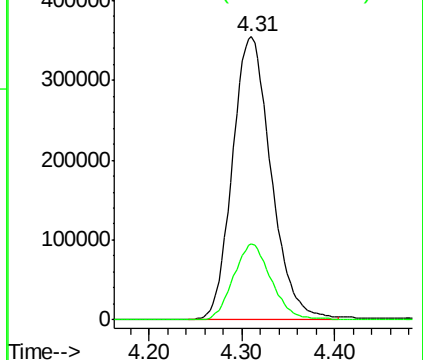
43 100

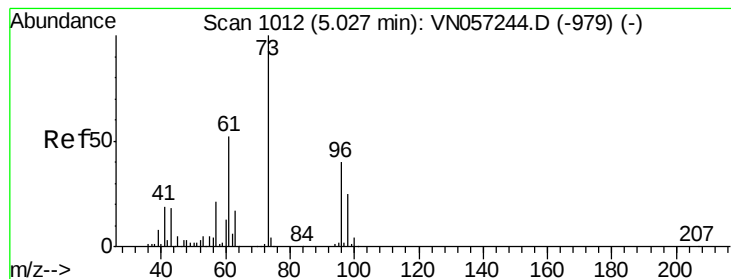
74 26.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

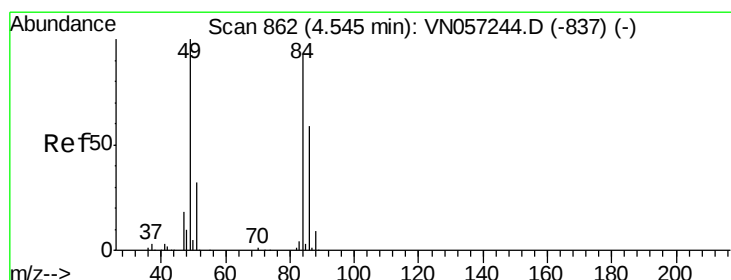
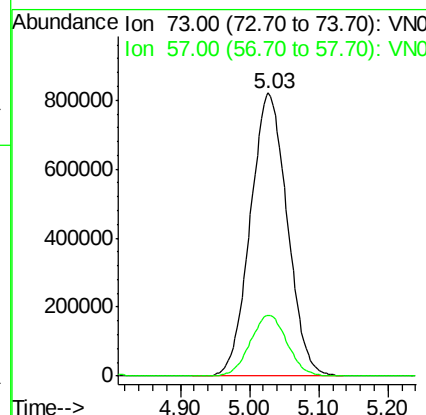
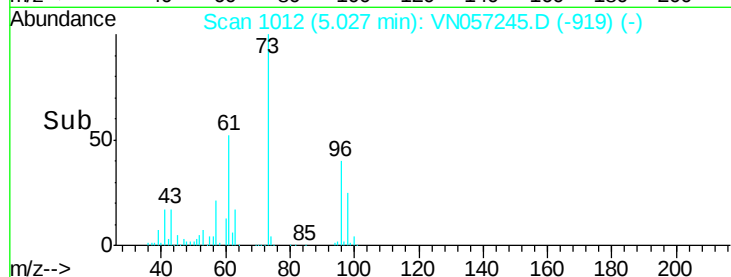
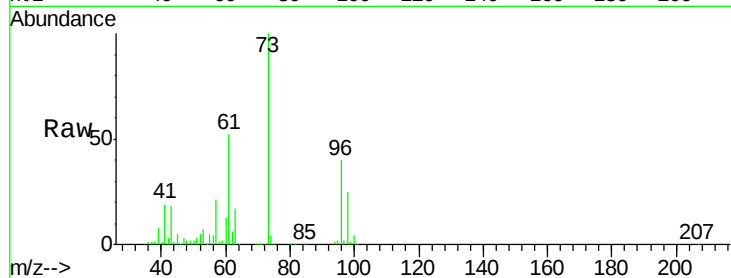
Methyl tert-butyl Ether
 Concen: 86.603 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 3024185
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.1 25.7

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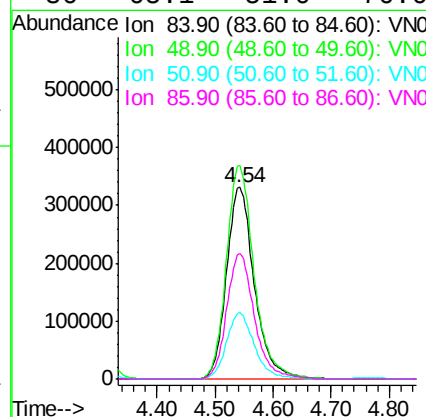
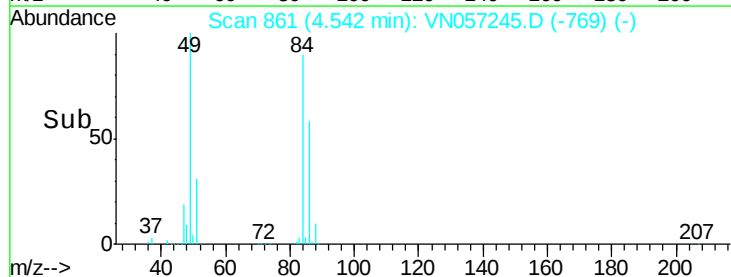
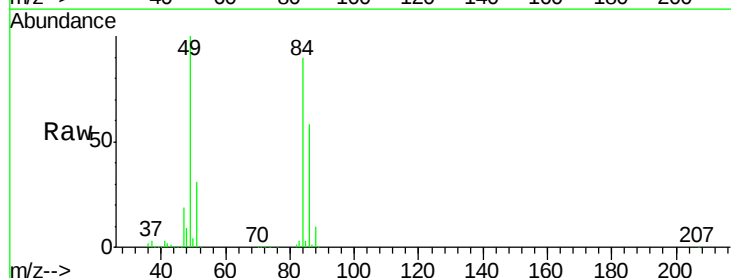
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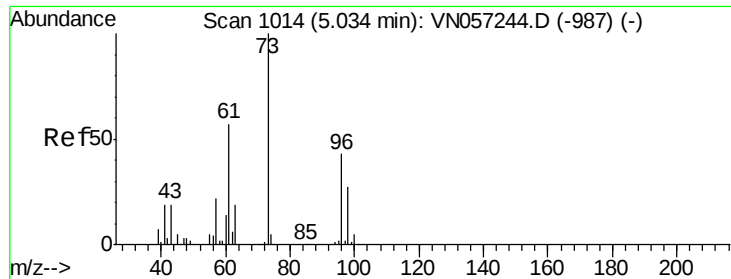


#20

Methylene Chloride
 Concen: 84.855 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Tgt Ion: 84 Resp: 1107273
 Ion Ratio Lower Upper
 84 100
 49 111.3 85.9 128.9
 51 34.9 27.1 40.7
 86 65.1 51.0 76.6





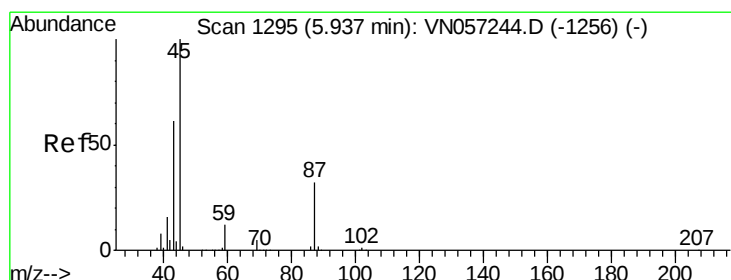
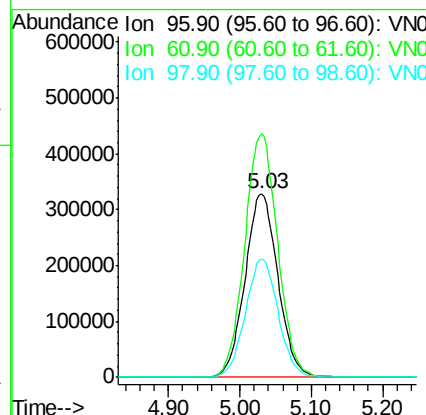
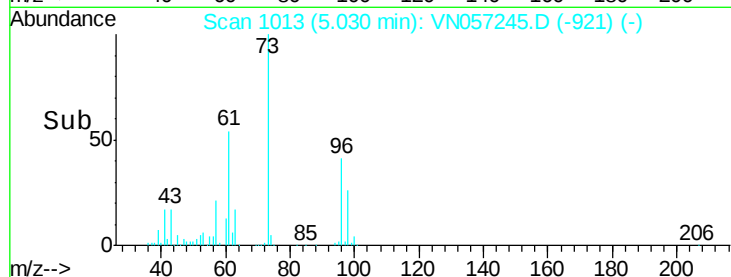
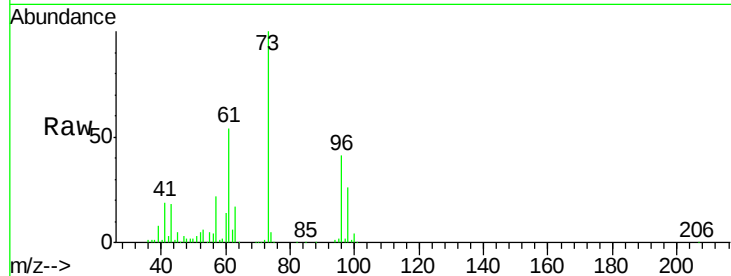
#21
trans-1,2-Dichloroethene
Concen: 90.233 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1053457
Ion Ratio Lower Upper
96 100
61 132.5 104.6 156.8
98 64.1 49.7 74.5

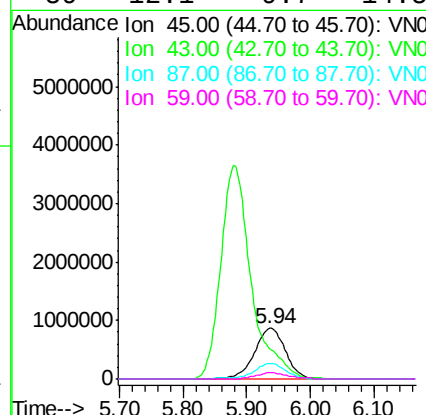
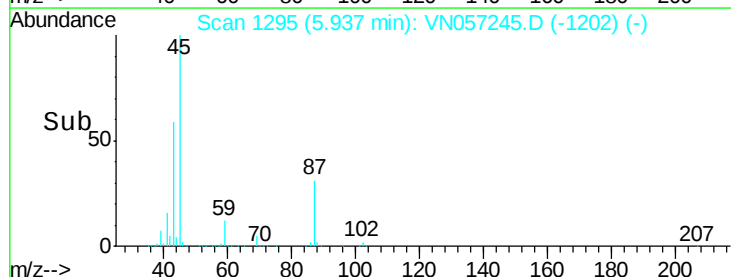
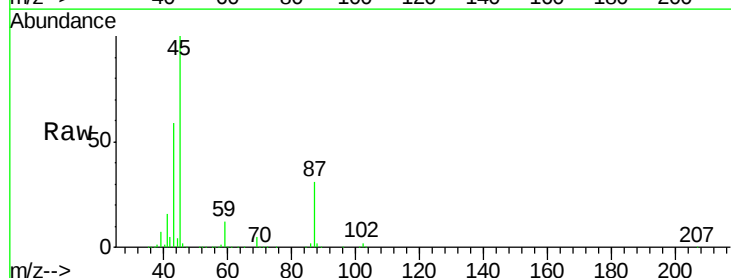
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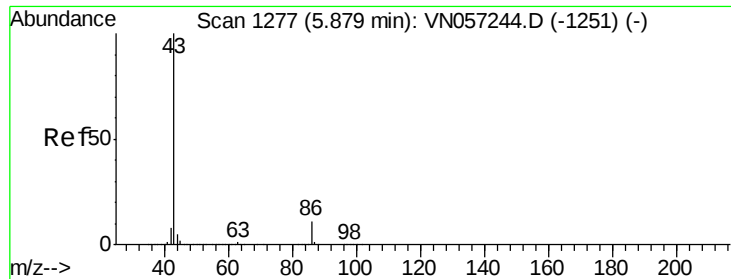
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#22
Diisopropyl ether
Concen: 79.886 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 45 Resp: 2942922
Ion Ratio Lower Upper
45 100
43 58.0 48.9 73.3
87 31.2 25.5 38.3
59 12.1 9.7 14.5





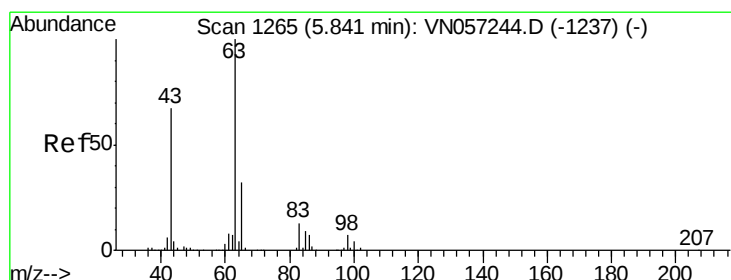
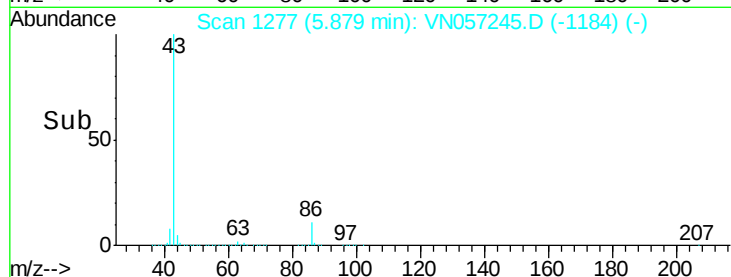
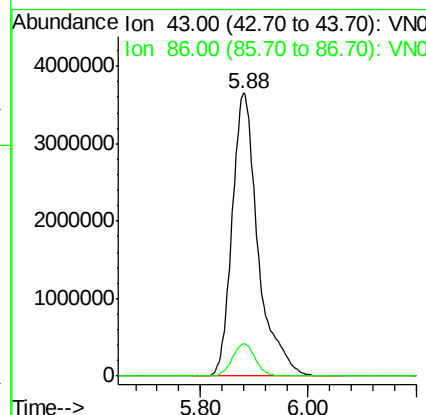
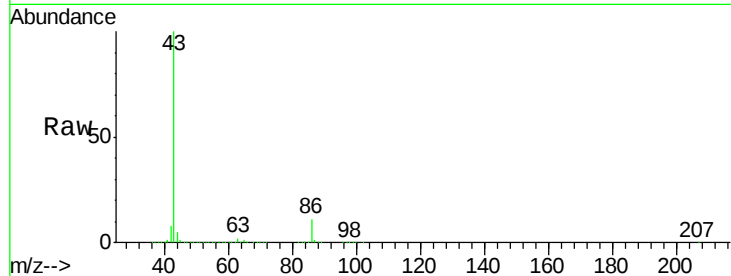
#23
 Vinyl Acetate
 Concen: 409.370 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp:12171969
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

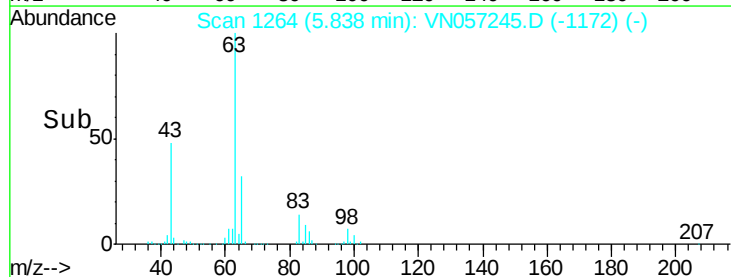
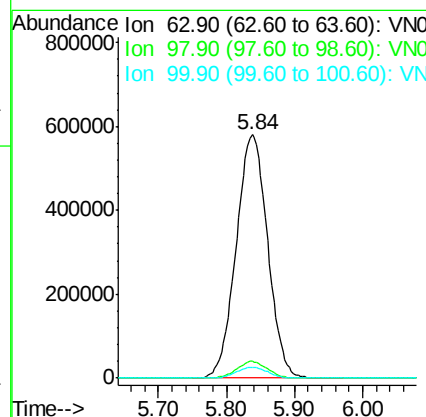
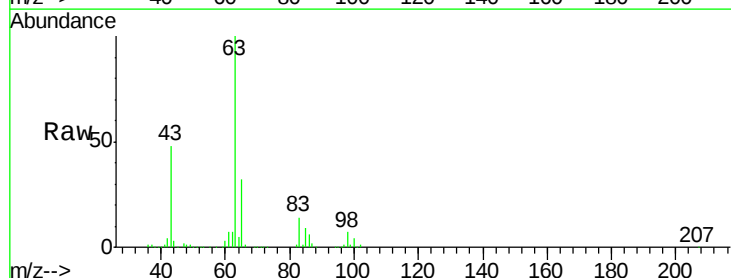
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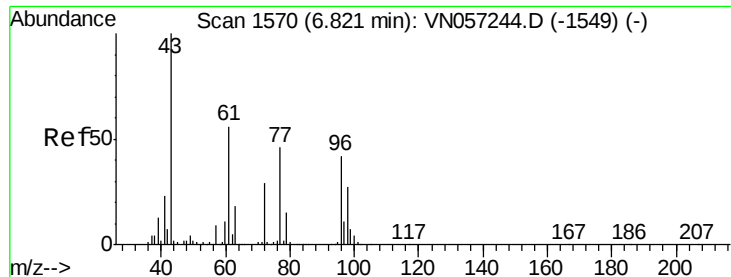
MMDadoda
 8/16/2019 8:58:21 AM



#24
 1,1-Dichloroethane
 Concen: 85.607 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Tgt Ion: 63 Resp: 1857462
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.4 2.1 6.2





#25

2-Butanone

Concen: 346.121 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2900784

Ion Ratio Lower Upper

43 100

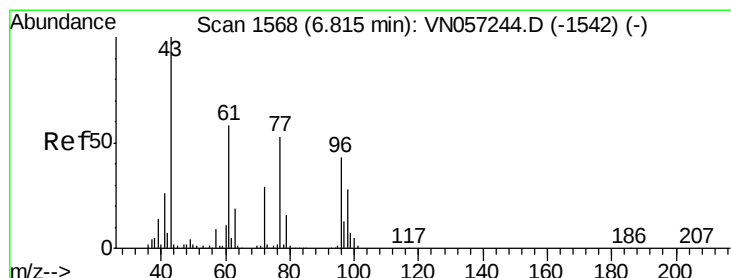
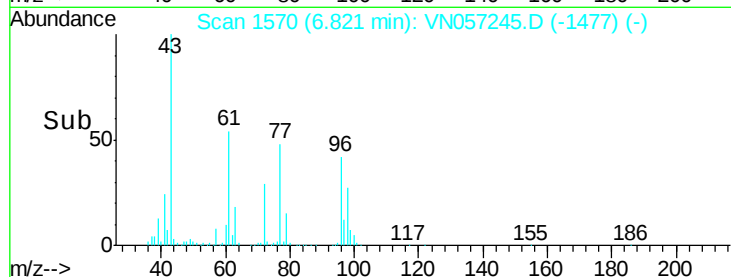
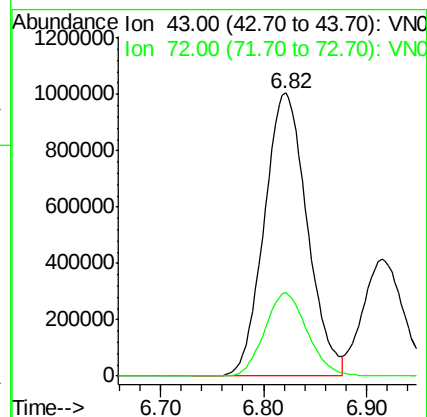
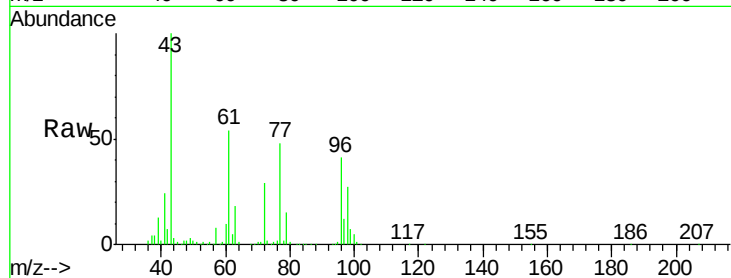
72 29.5 23.1 34.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 99.254 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057245.D

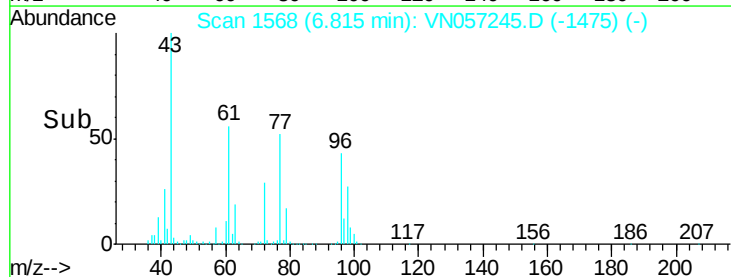
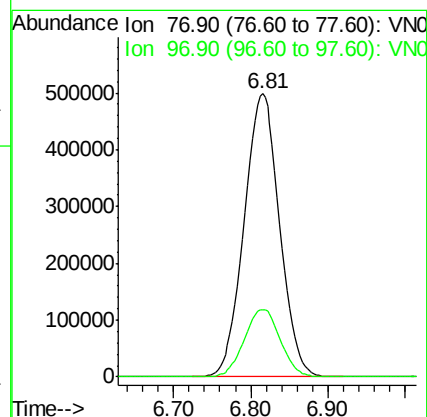
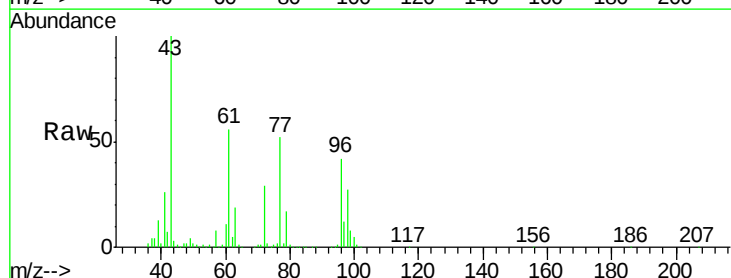
Acq: 13 Aug 2019 13:04

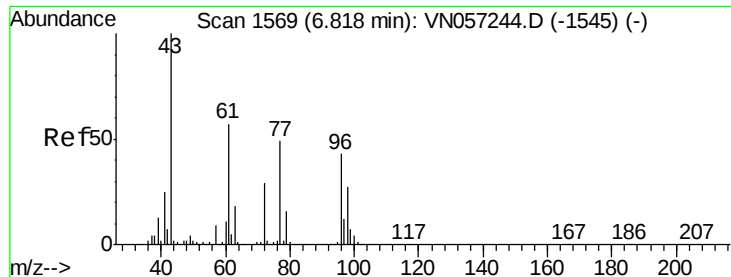
Tgt Ion: 77 Resp: 1588603

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 91.065 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1224349

Ion Ratio Lower Upper

96 100

61 135.5 0.0 271.0

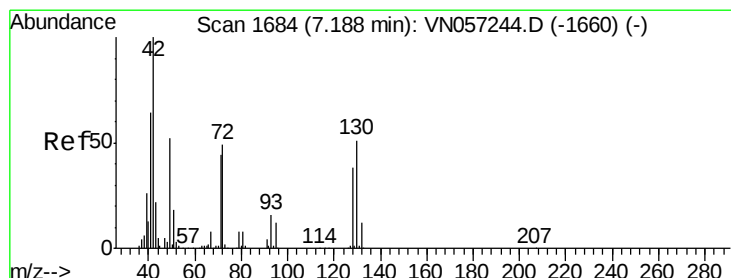
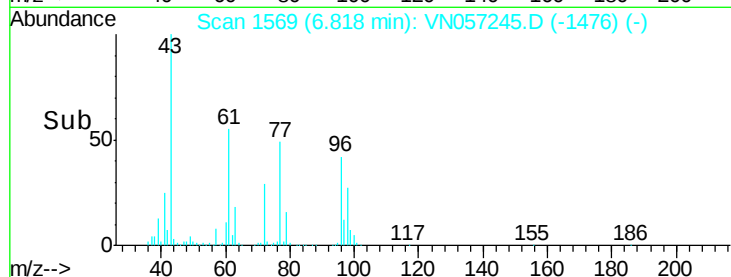
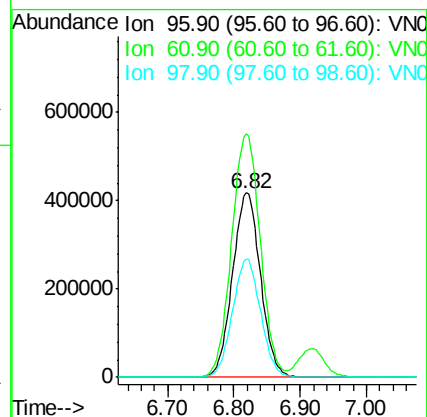
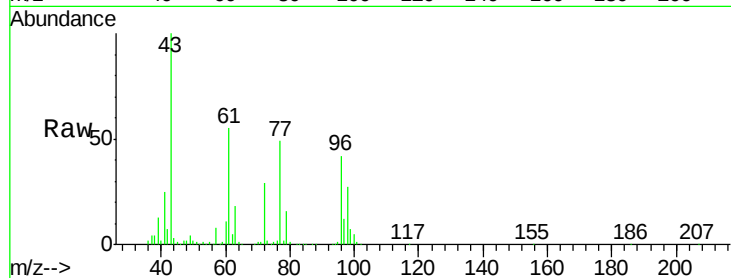
98 64.4 0.0 129.2

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#28

Bromochloromethane

Concen: 82.727 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

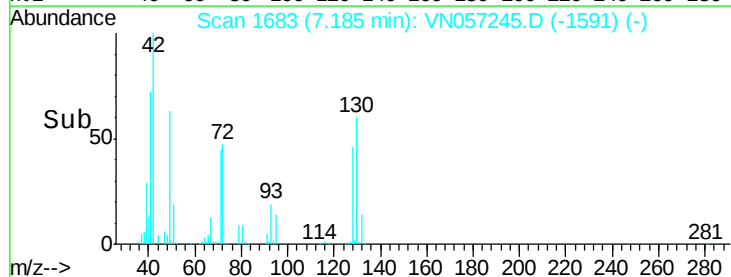
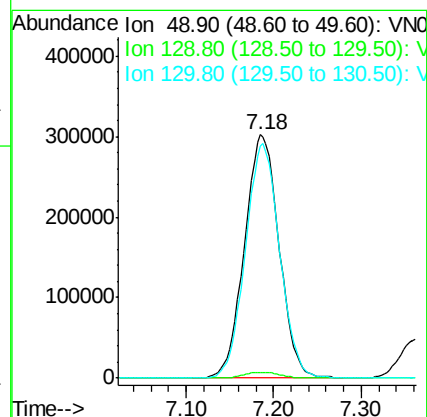
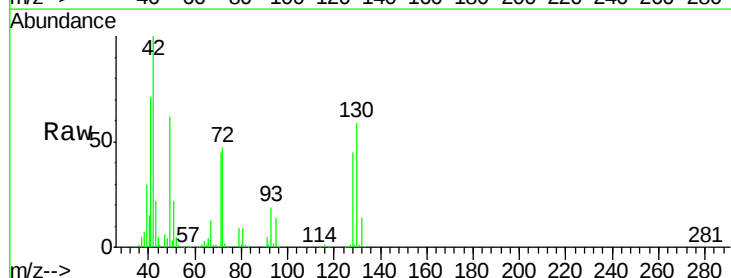
Tgt Ion: 49 Resp: 828681

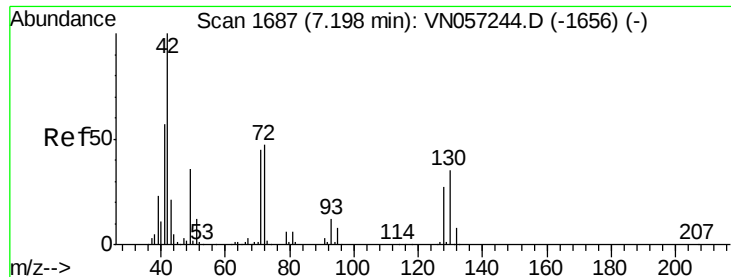
Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.0

130 95.2 75.6 113.4





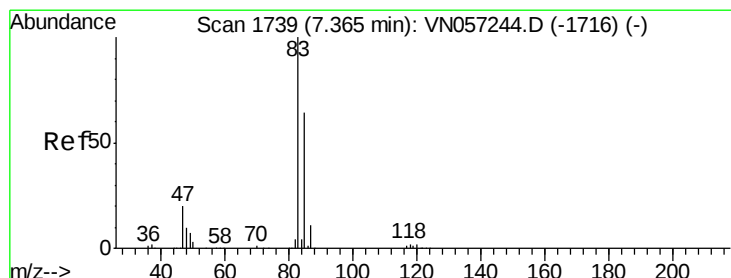
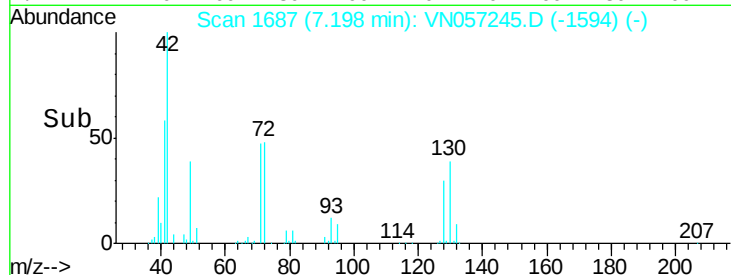
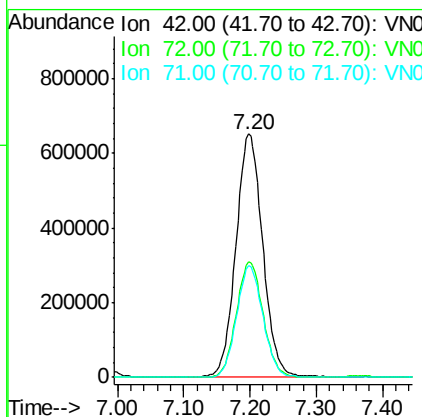
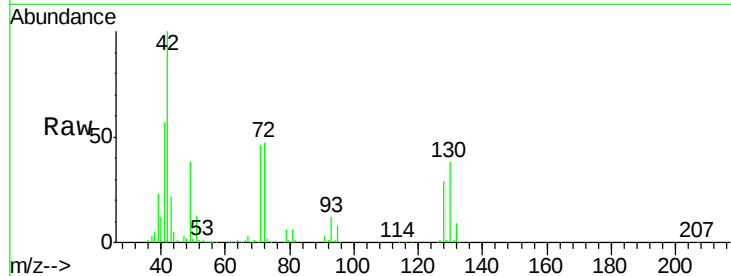
#29
Tetrahydrofuran
Concen: 336.152 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1829480
Ion Ratio Lower Upper
42 100
72 47.5 37.6 56.4
71 45.0 35.6 53.4

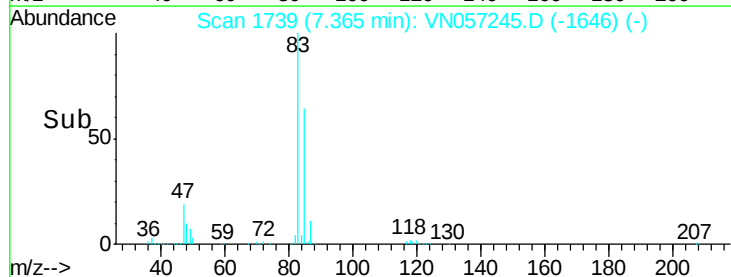
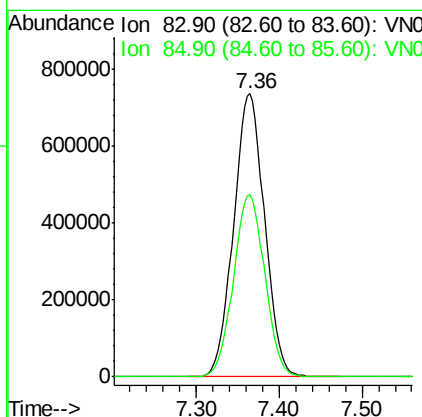
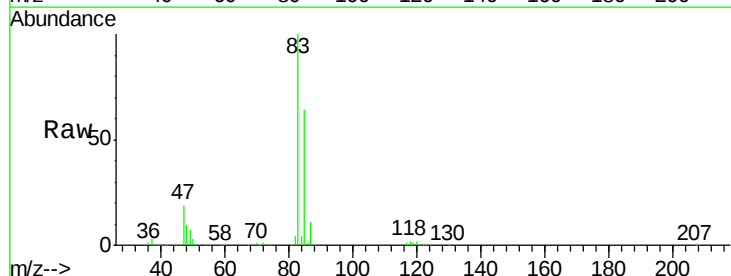
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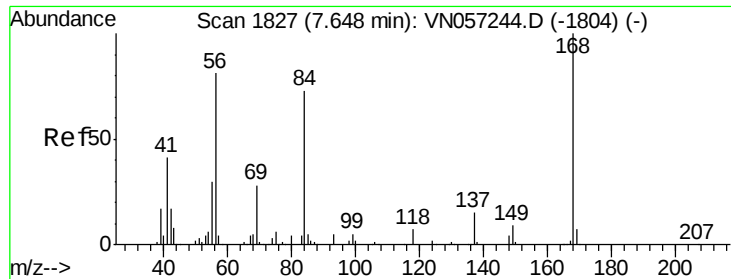
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#30
Chloroform
Concen: 87.330 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 83 Resp: 1910235
Ion Ratio Lower Upper
83 100
85 64.2 51.3 76.9





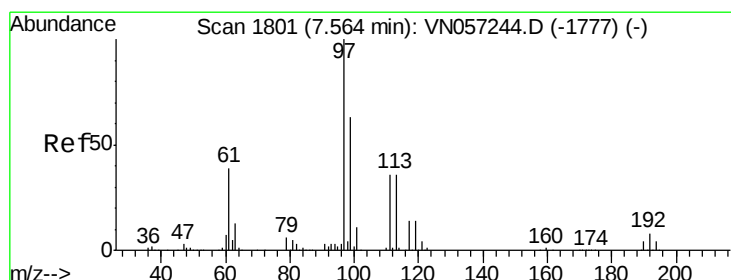
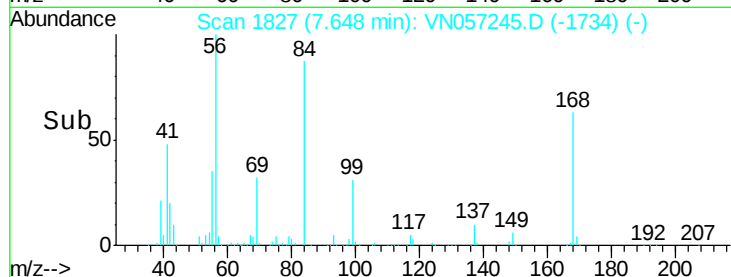
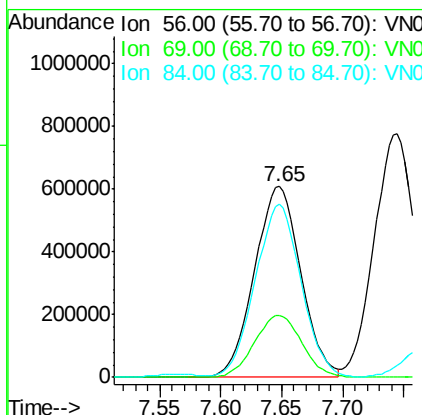
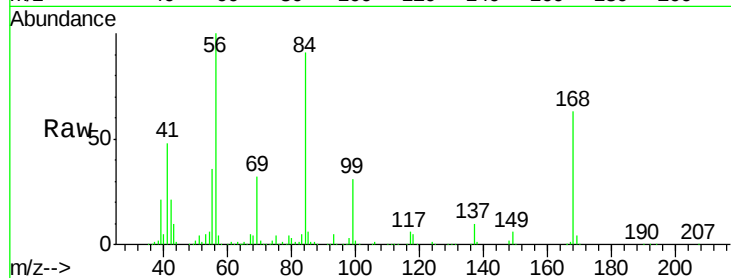
#31
Cyclohexane
Concen: 79.384 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1605279
Ion Ratio Lower Upper
56 100
69 32.4 27.8 41.8
84 89.2 72.0 108.0

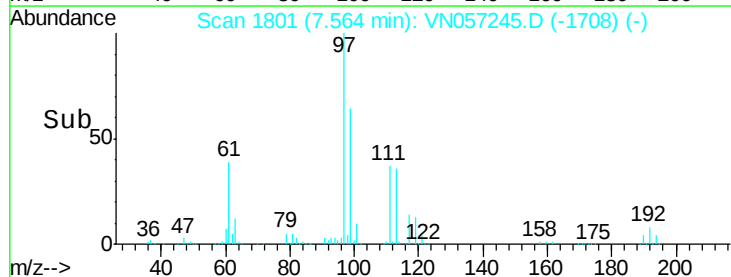
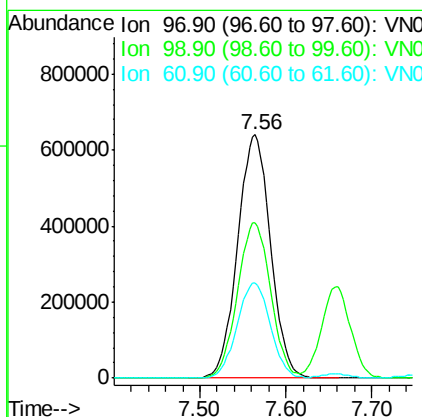
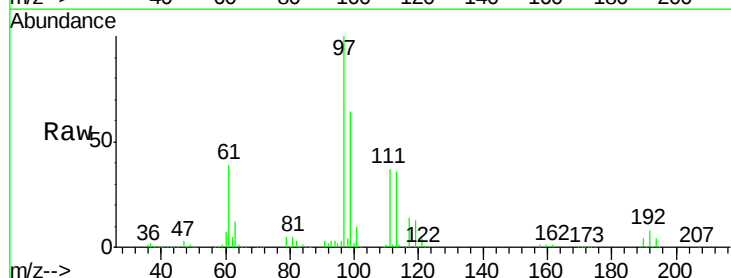
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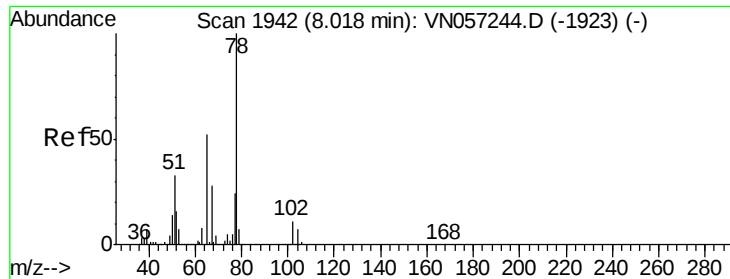
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#32
1,1,1-Trichloroethane
Concen: 97.299 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 97 Resp: 1701235
Ion Ratio Lower Upper
97 100
99 64.5 51.7 77.5
61 39.6 32.1 48.1





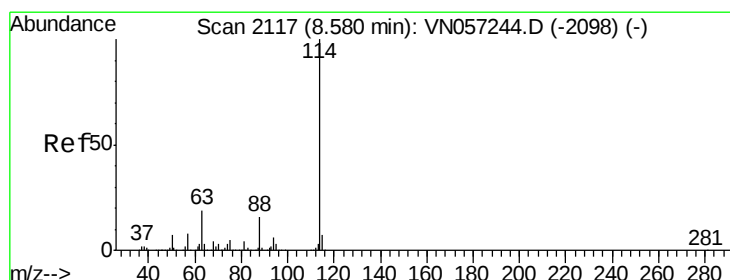
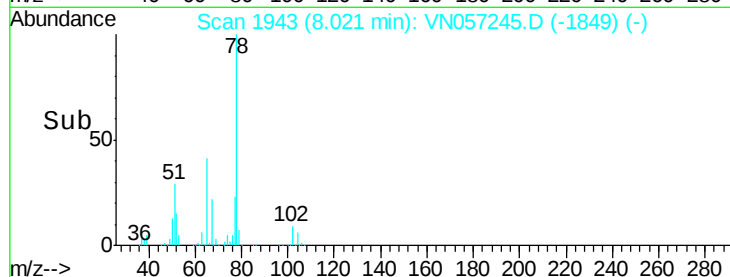
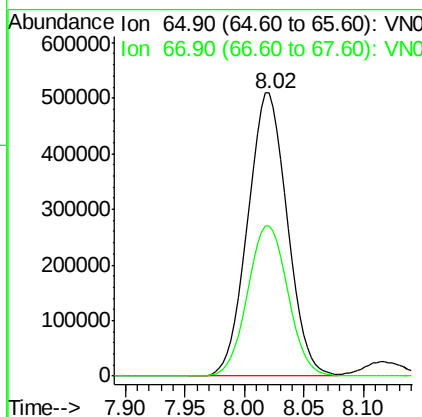
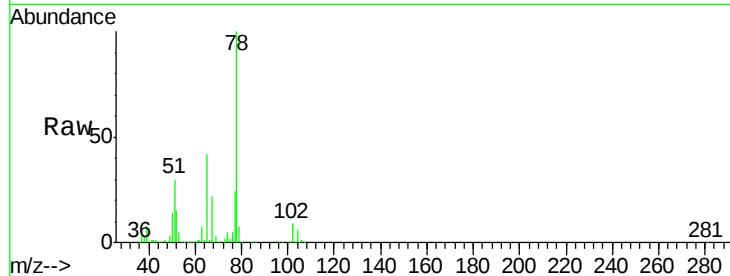
#33
 1,2-Dichloroethane-d4
 Concen: 90.215 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1173798
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.0

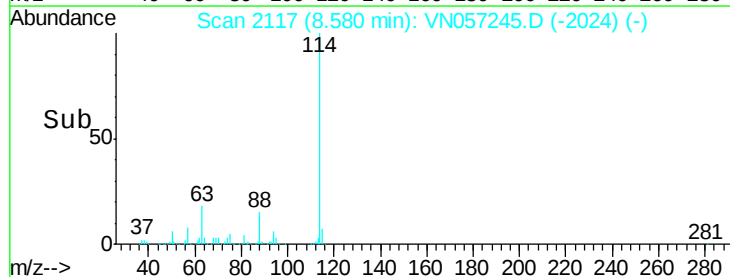
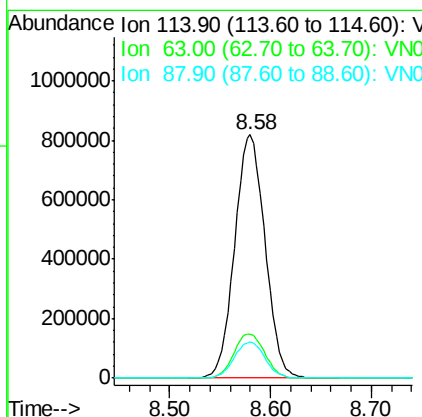
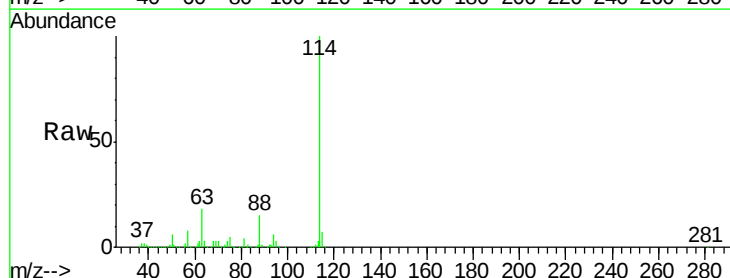
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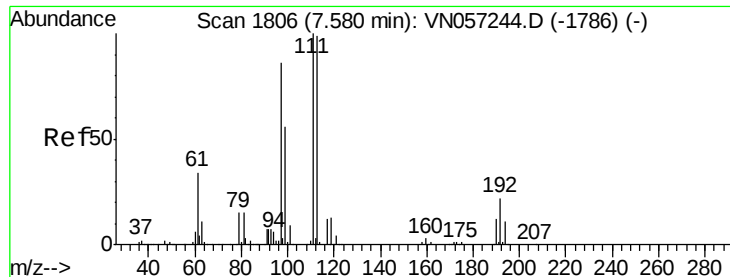
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Tgt Ion: 114 Resp: 1709353
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.0
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 99.586 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 1072300

Ion Ratio Lower Upper

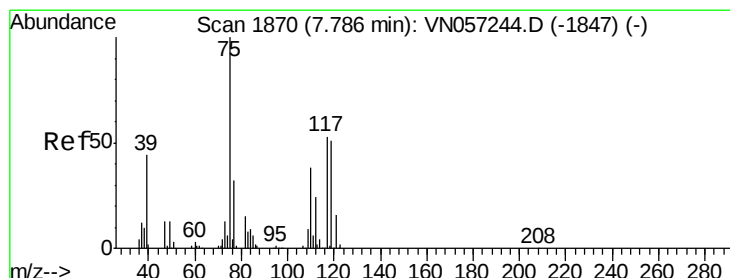
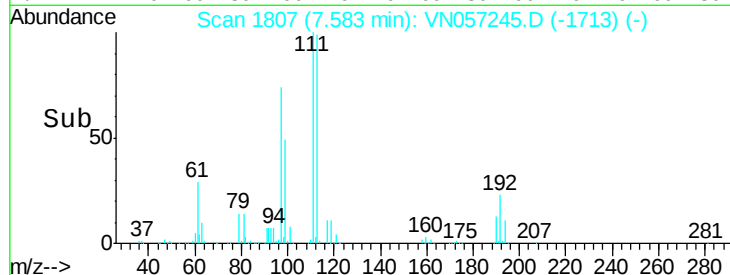
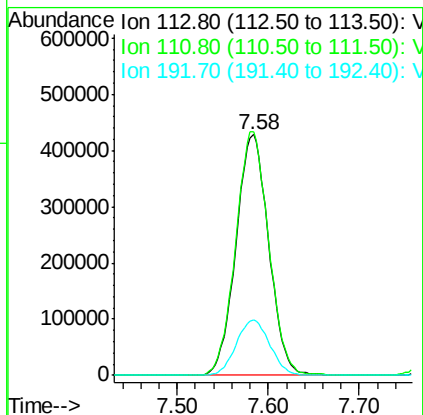
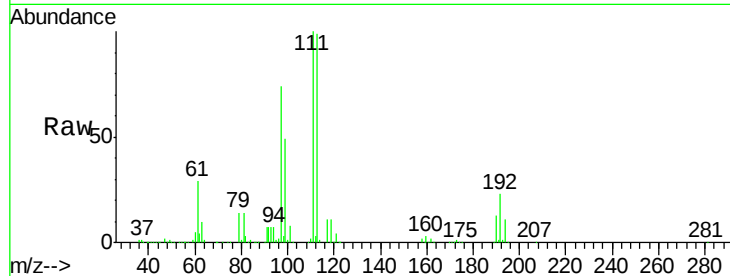
113 100

111 101.9 81.4 122.2

192 23.7 18.8 28.2

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#36

1,1-Dichloropropene

Concen: 92.746 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

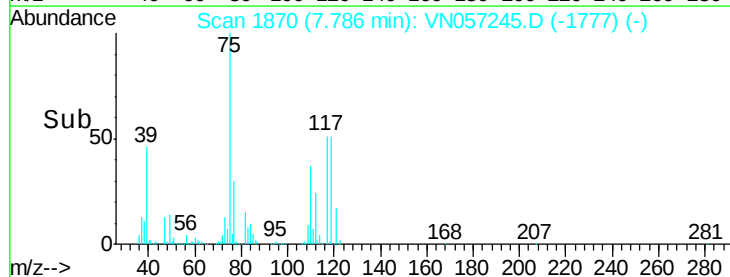
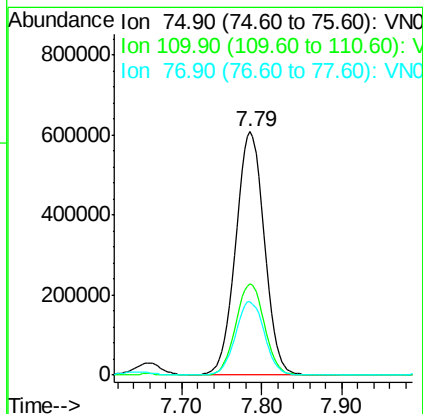
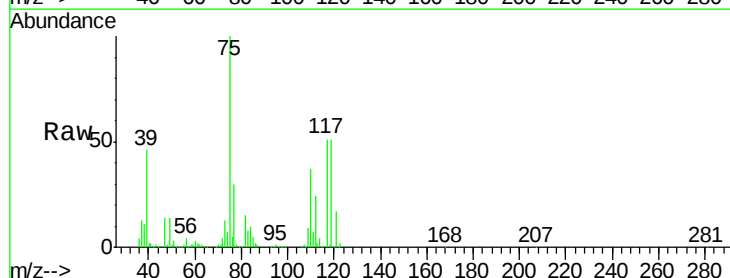
Tgt Ion: 75 Resp: 1463094

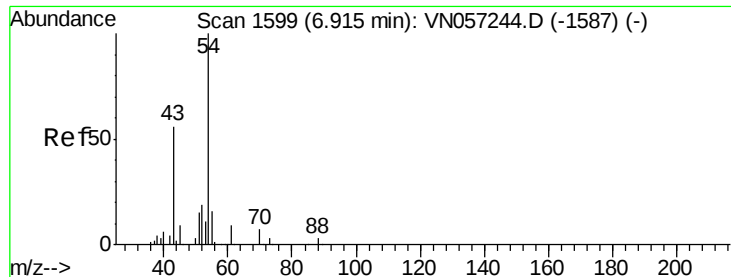
Ion Ratio Lower Upper

75 100

110 37.6 19.1 57.1

77 30.7 25.2 37.8





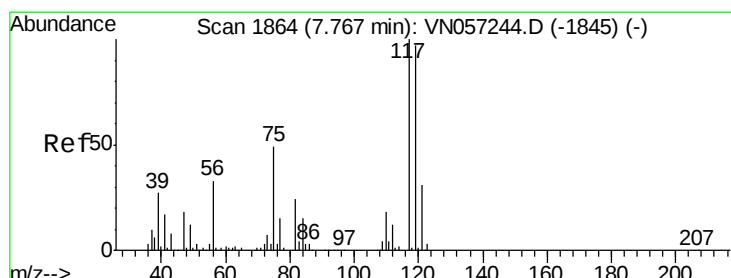
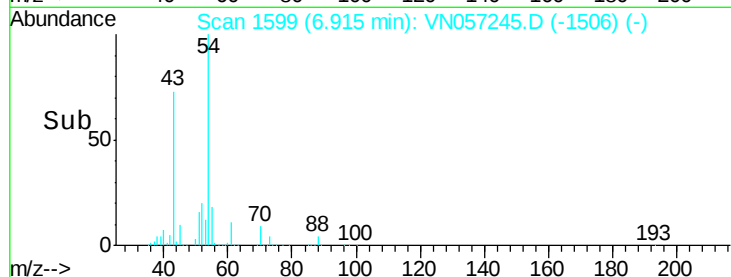
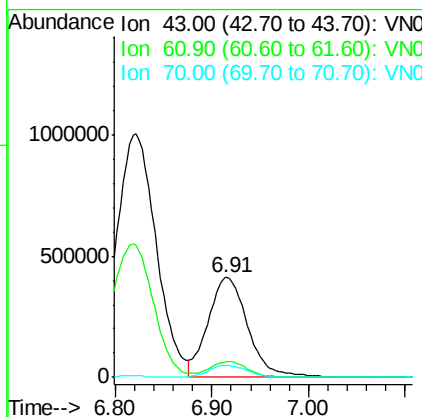
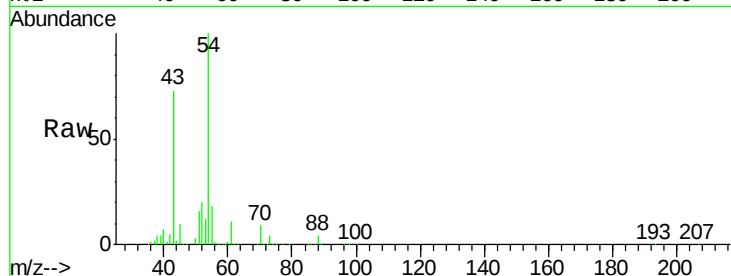
#37
Ethyl Acetate
Concen: 78.017 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1163176
Ion Ratio Lower Upper
43 100
61 15.1 12.7 19.1
70 11.5 9.0 13.4

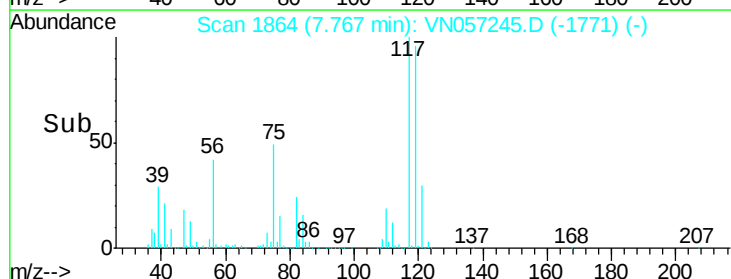
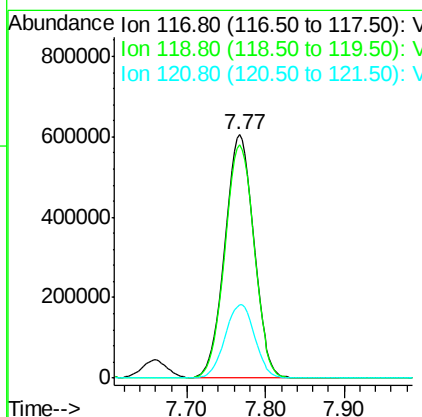
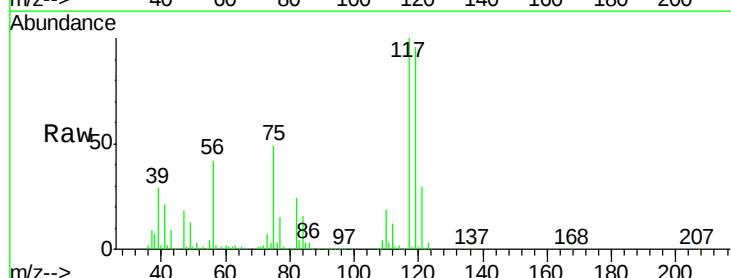
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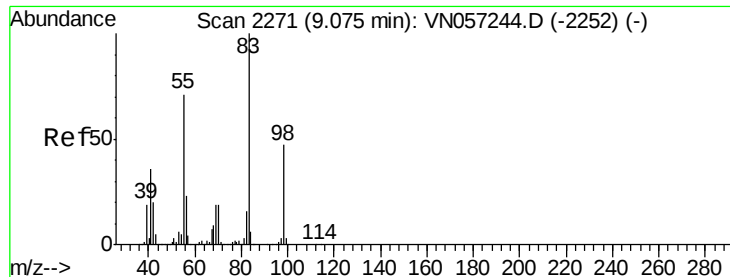
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#38
Carbon Tetrachloride
Concen: 102.731 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 117 Resp: 1547164
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.6
121 30.2 24.9 37.3





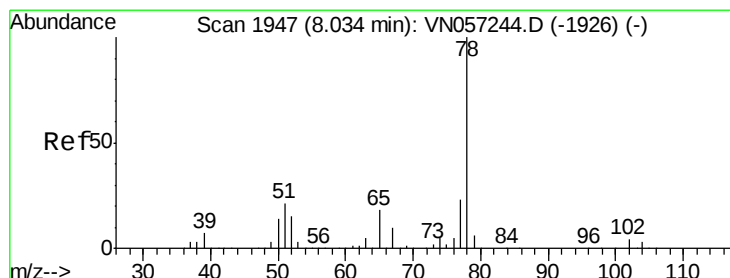
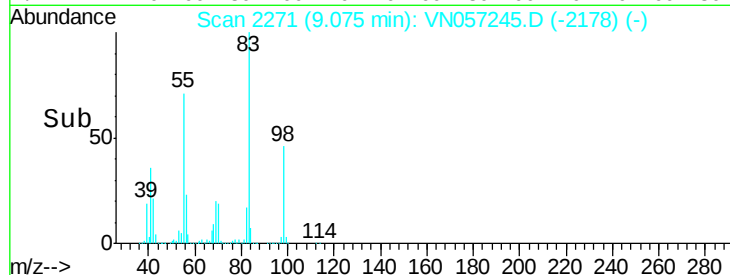
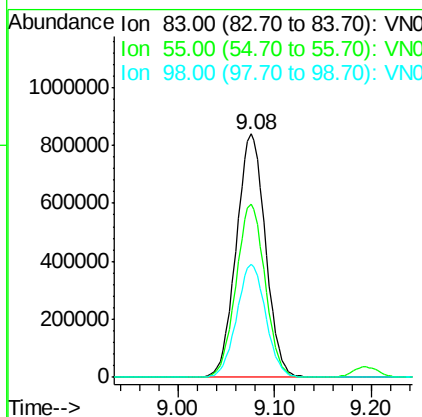
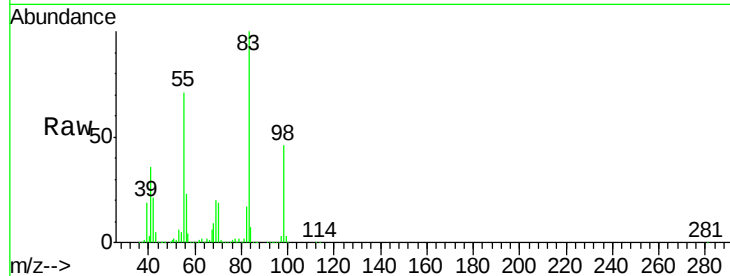
#39
Methvlcvclohexane
Concen: 90.795 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1756532
Ion Ratio Lower Upper
83 100
55 71.4 57.0 85.4
98 46.4 37.2 55.8

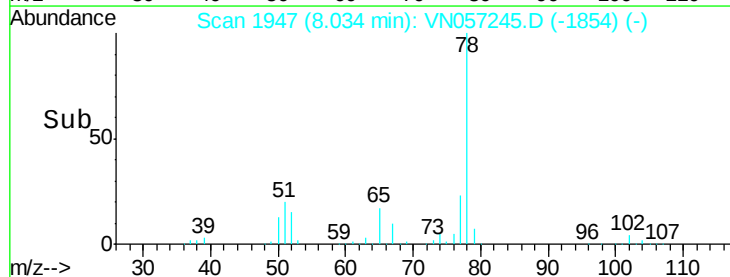
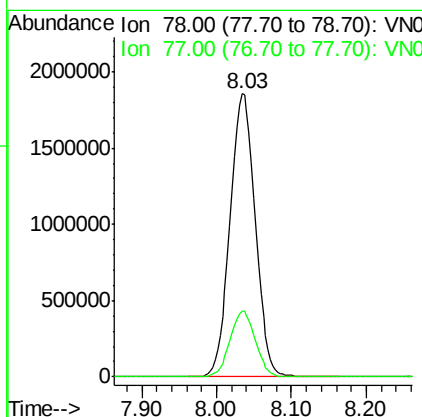
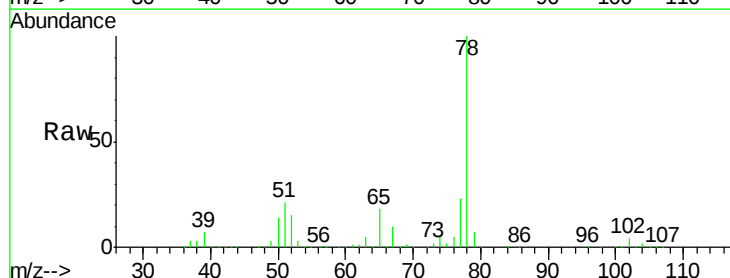
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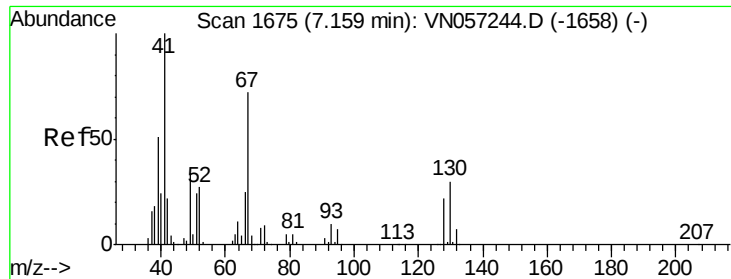
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#40
Benzene
Concen: 90.560 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 78 Resp: 4357075
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.4





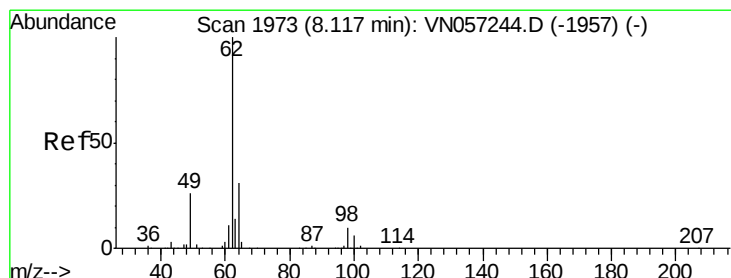
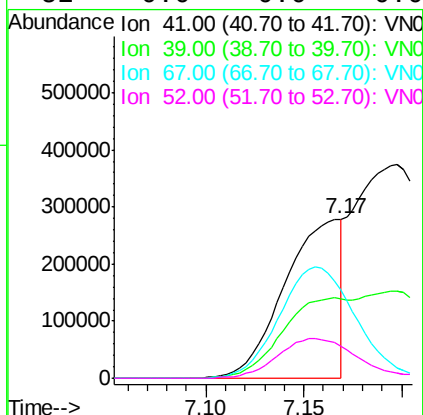
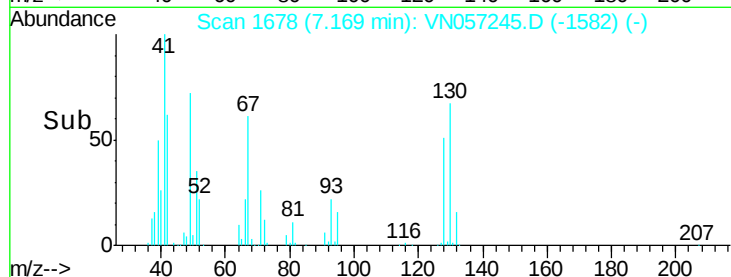
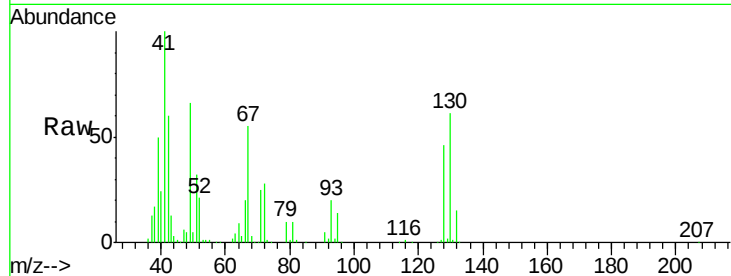
#41
Methacrylonitrile
Concen: 85.782 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

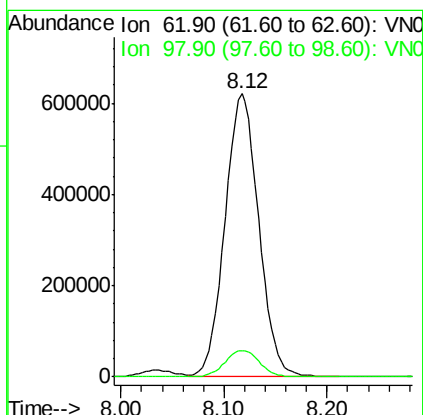
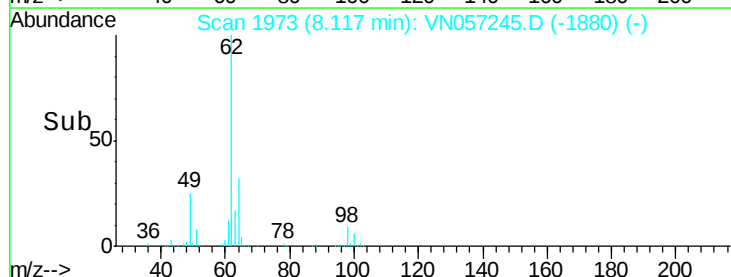
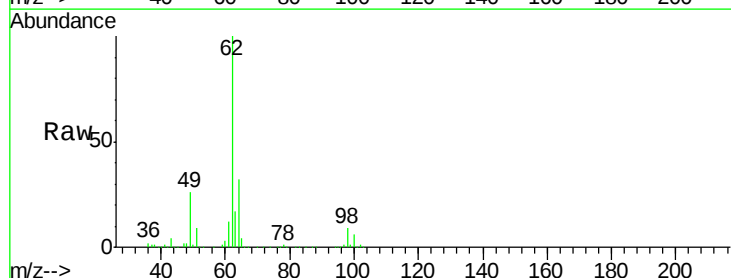
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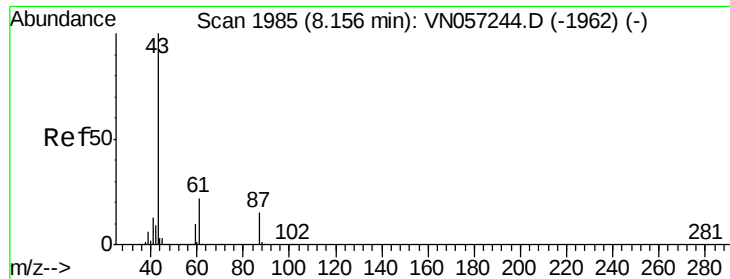
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#42
1,2-Dichloroethane
Concen: 92.346 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





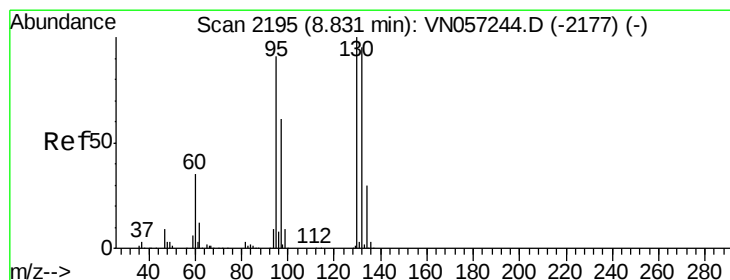
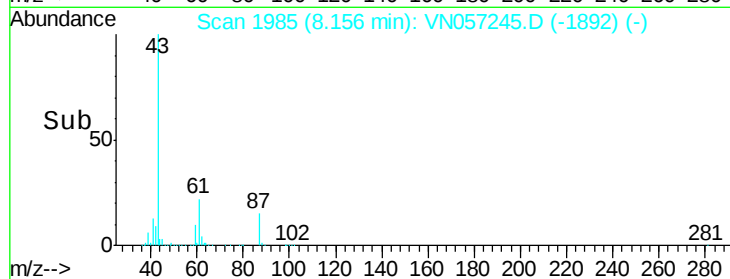
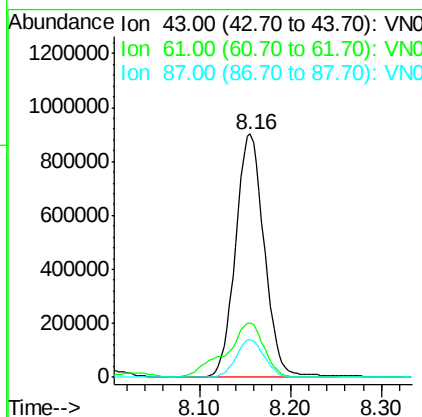
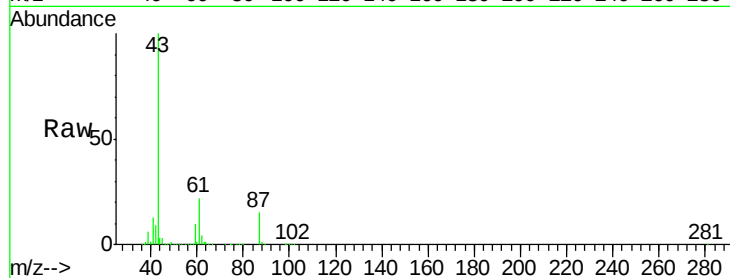
#43
Isopropyl Acetate
Concen: 83.001 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.5	35.3
87	15.2	12.1	18.1

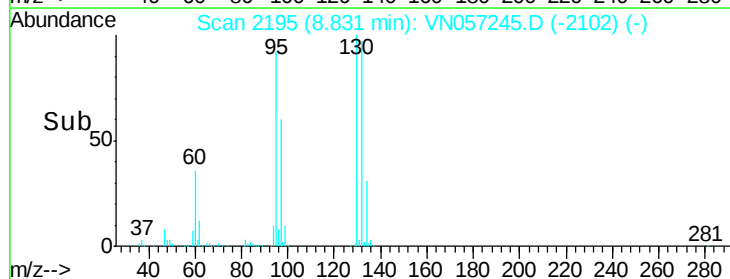
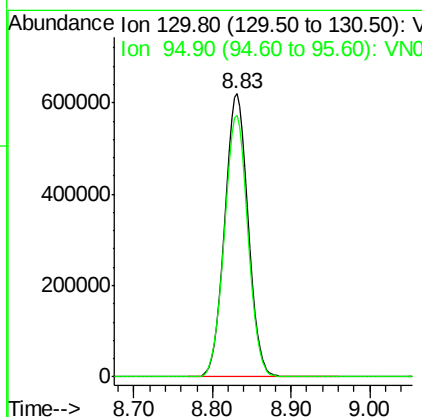
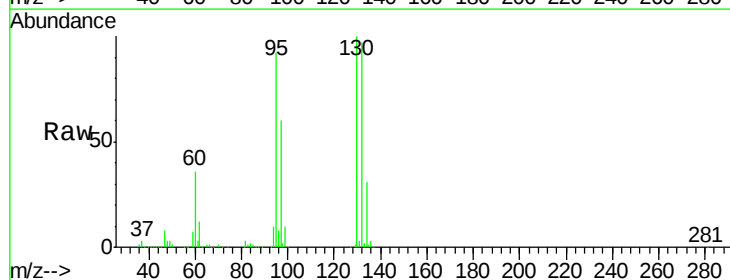
Manual Integrations
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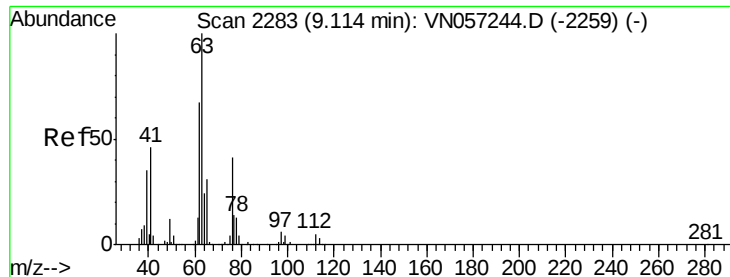
MMDadoda
8/16/2019 8:58:21 AM



#44
Trichloroethene
Concen: 95.946 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	181.8





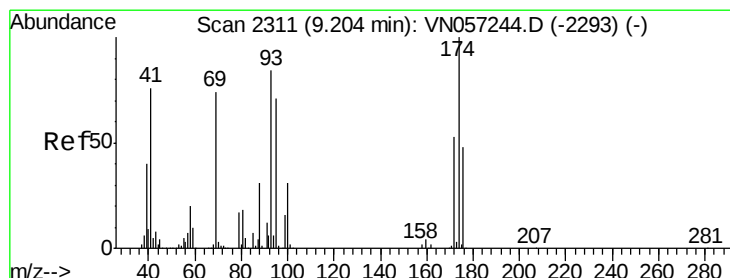
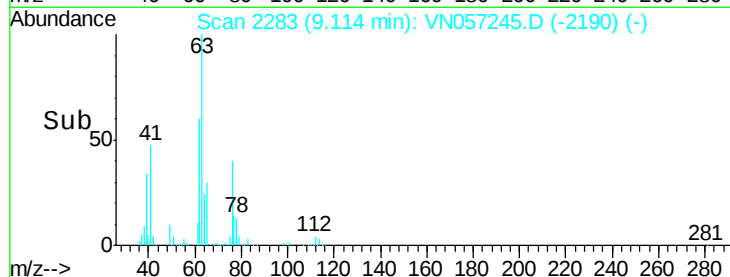
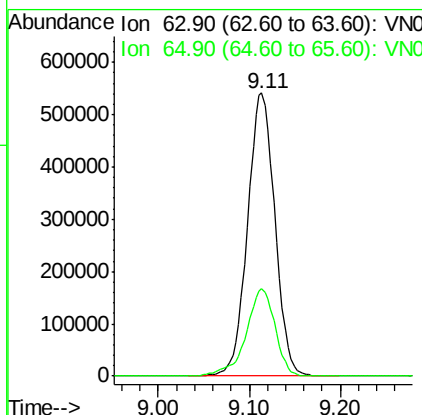
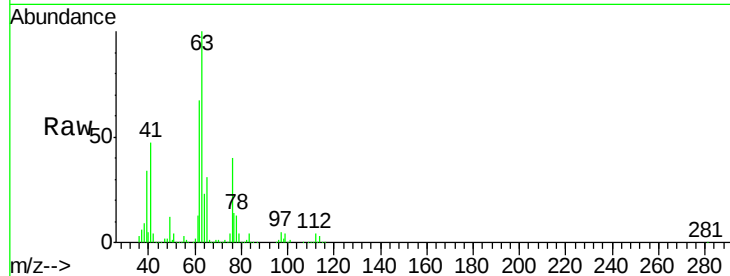
#45
 1,2-Dichloropropane
 Concen: 89.126 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 1129529
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

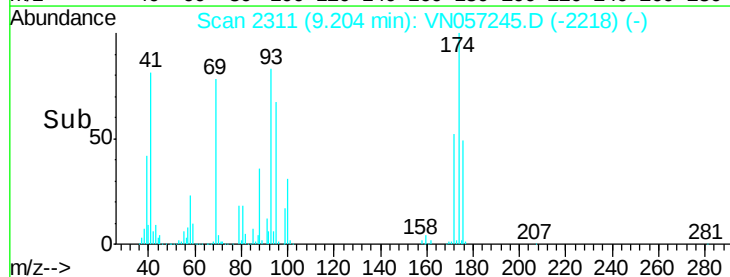
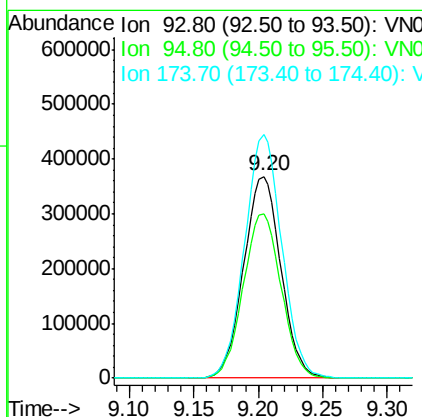
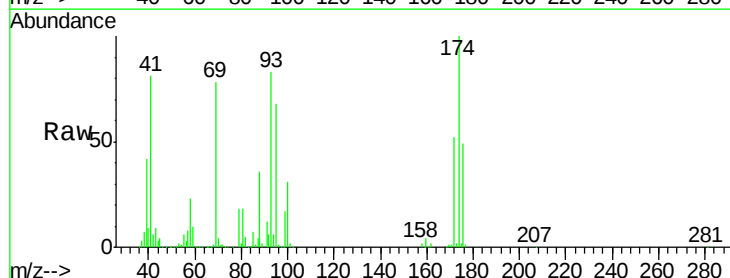
Manual Integrations
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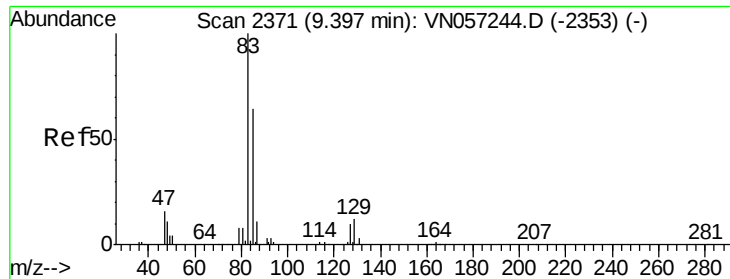
MMDadoda
 8/16/2019 8:58:21 AM



#46
 Dibromomethane
 Concen: 93.577 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Tgt Ion: 93 Resp: 743551
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.4
 174 120.8 96.2 144.2





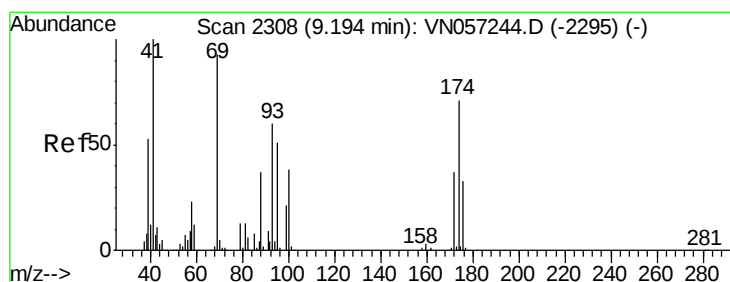
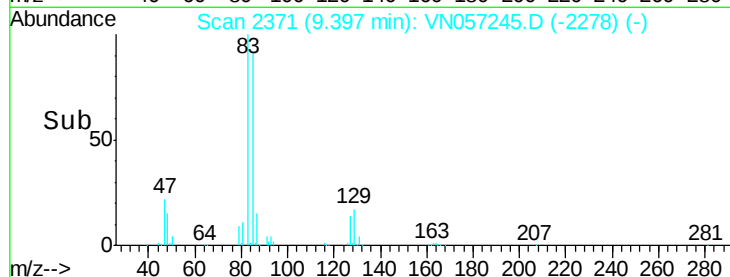
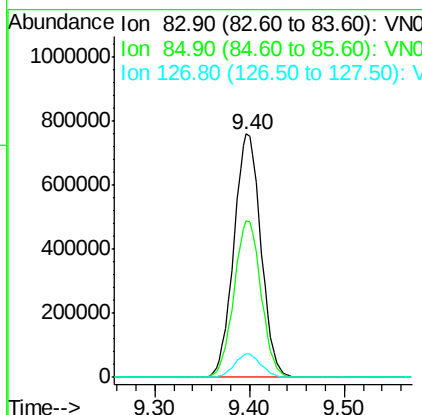
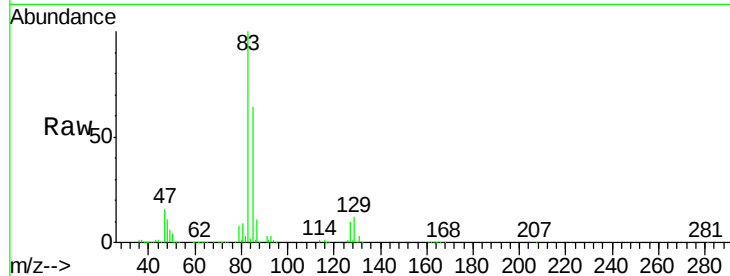
#47
Bromodichloromethane
Concen: 99.070 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 83 Resp: 1506719
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.0
127 9.5 7.7 11.5

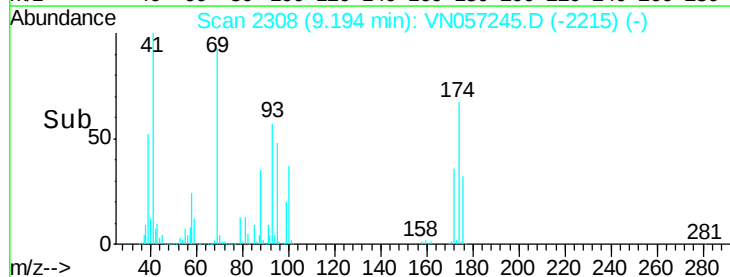
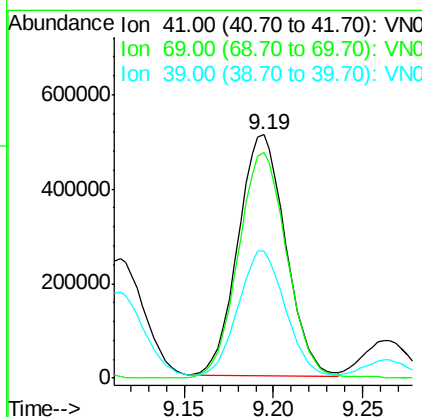
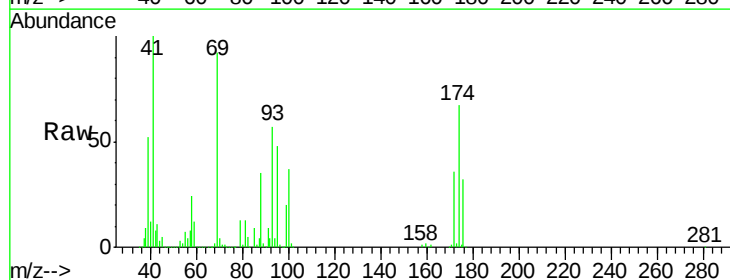
Manual Integrations
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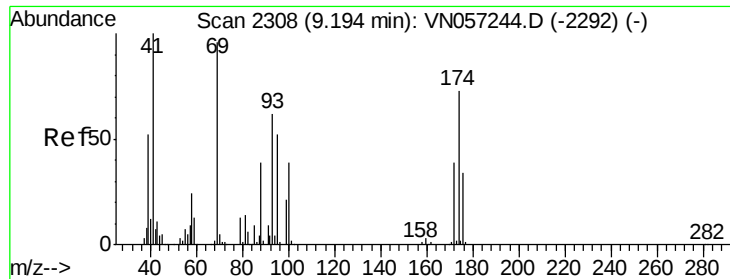
MMDadoda
8/16/2019 8:58:21 AM



#48
Methyl methacrylate
Concen: 83.106 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 41 Resp: 949854
Ion Ratio Lower Upper
41 100
69 95.7 75.7 113.5
39 53.0 43.3 64.9





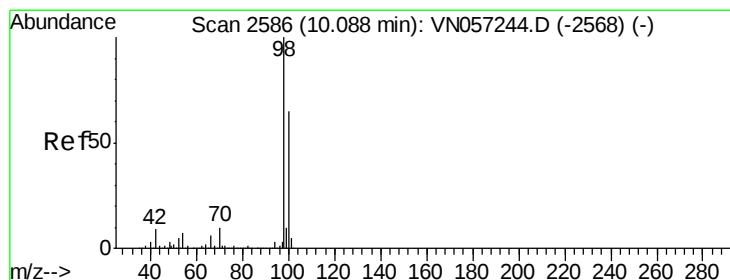
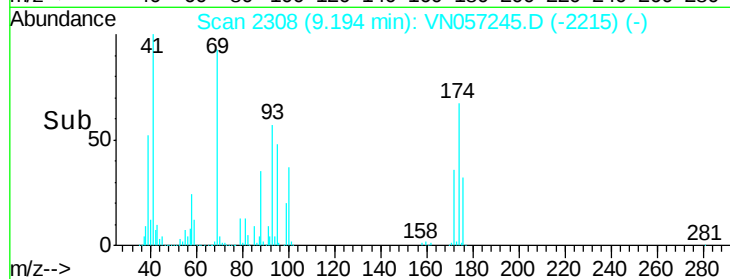
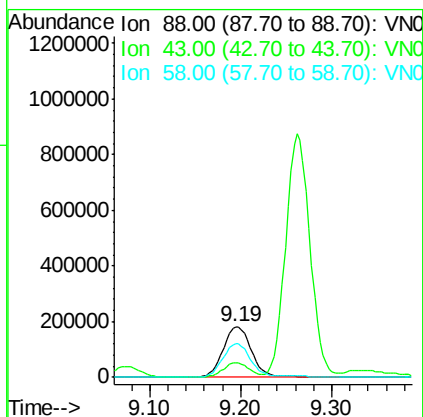
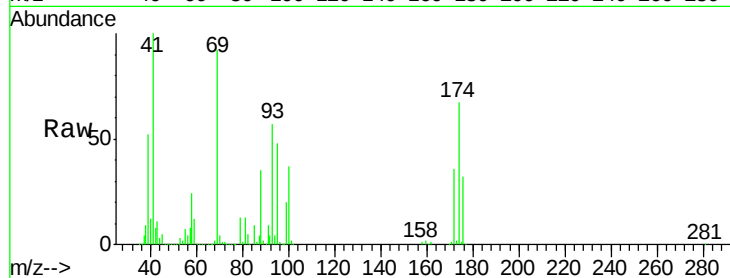
#49
1,4-Dioxane
Concen: 1659.860 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.6	20.7	31.1
58	65.0	52.0	78.0

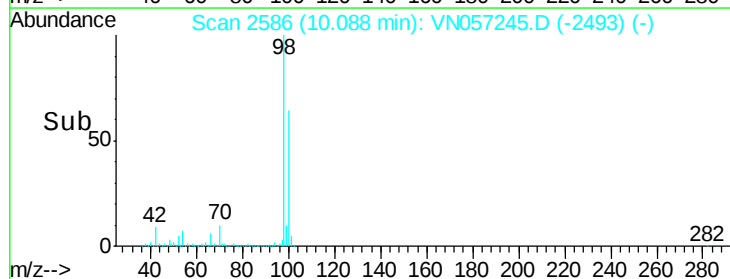
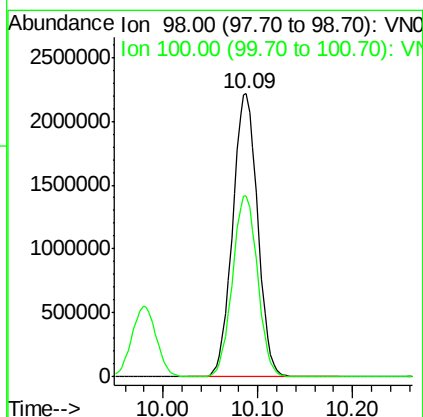
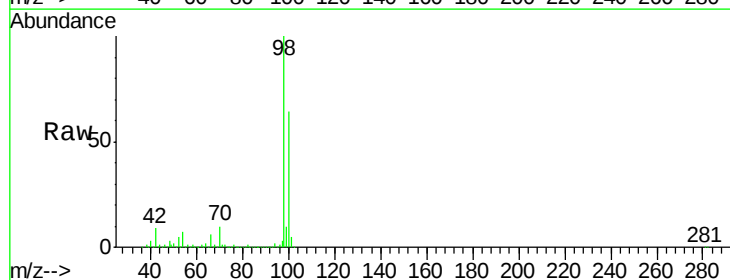
Manual Integrations
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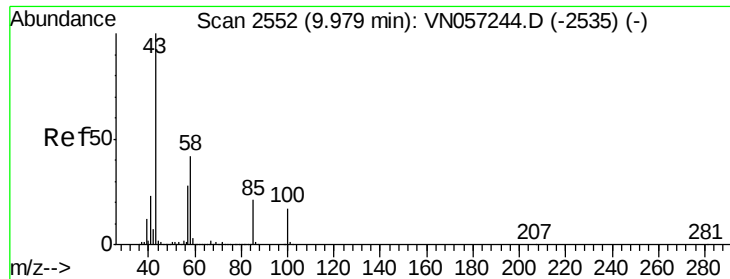
MMDadoda
8/16/2019 8:58:21 AM



#50
Toluene-d8
Concen: 97.902 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 381.367 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5792291

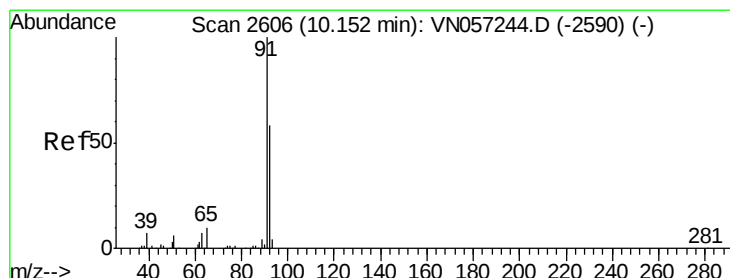
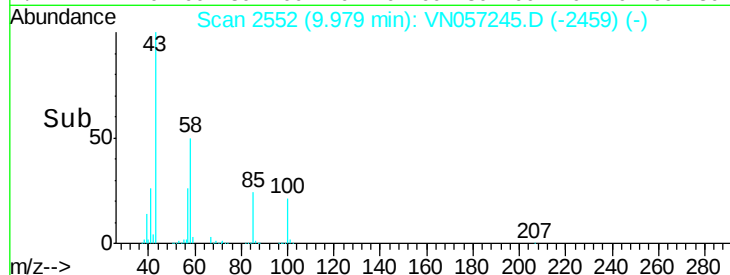
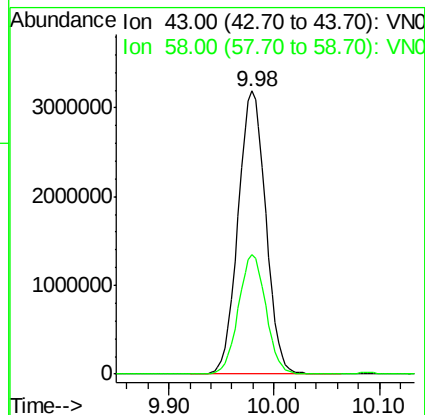
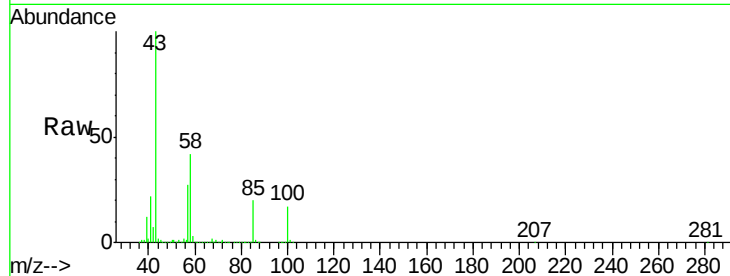
Ion Ratio Lower Upper

43 100

58 41.8 33.7 50.5

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:21 AM



#52

Toluene

Concen: 95.786 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057245.D

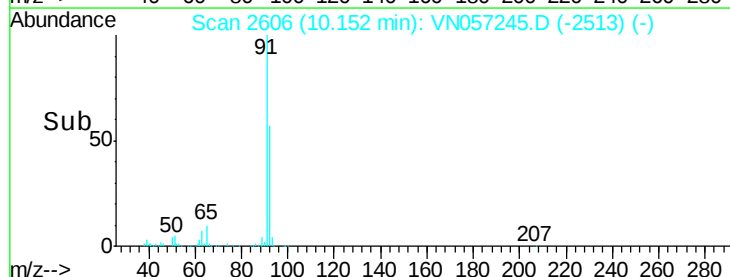
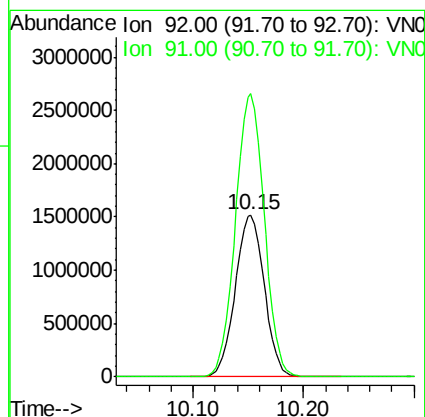
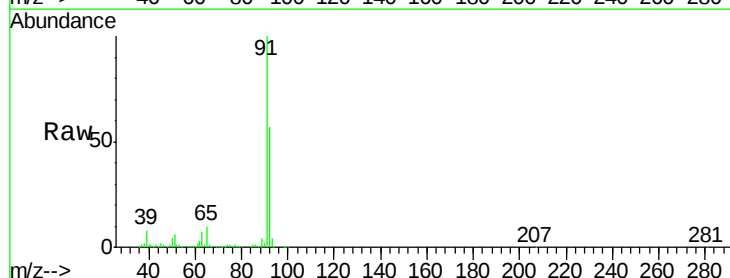
Acq: 13 Aug 2019 13:04

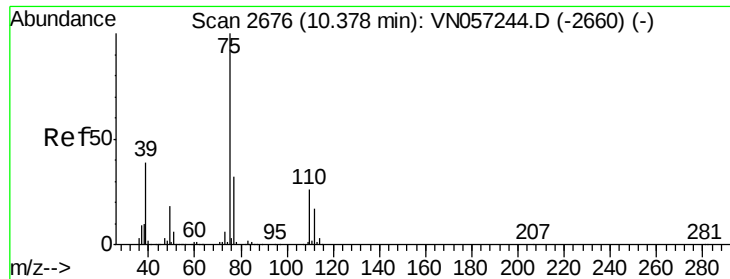
Tgt Ion: 92 Resp: 2756751

Ion Ratio Lower Upper

92 100

91 174.8 138.2 207.2





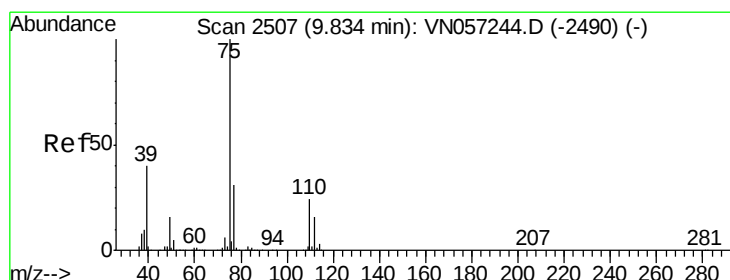
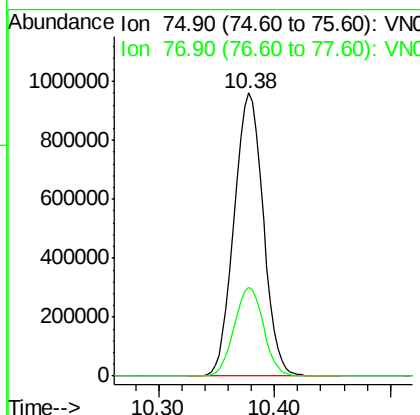
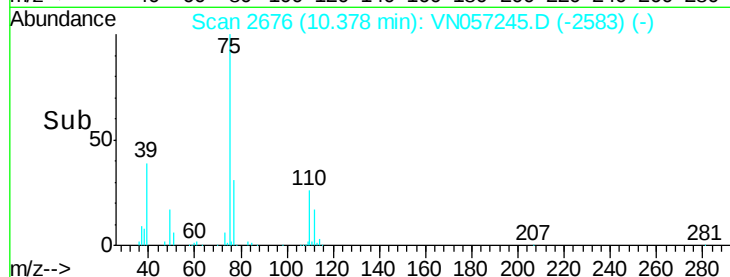
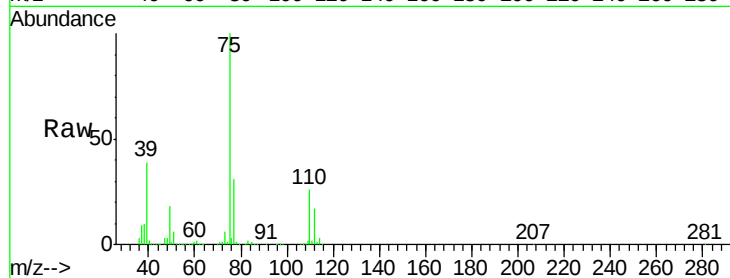
#53
t-1,3-Dichloropropene
Concen: 105.077 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 1670220
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9

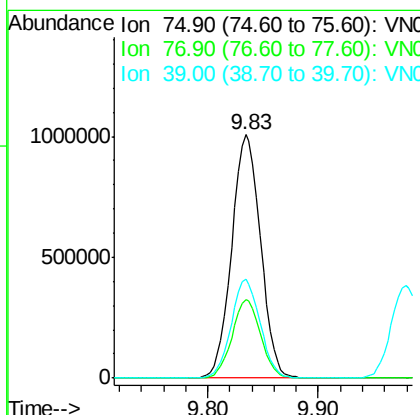
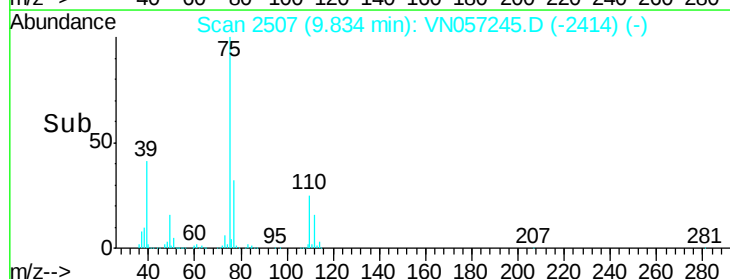
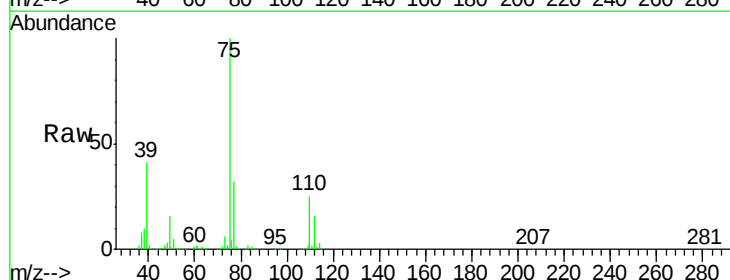
Manual Integrations
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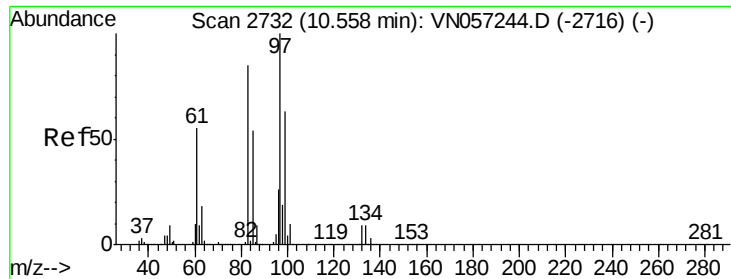
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 99.526 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 75 Resp: 1828062
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6
39 40.6 32.3 48.5





#55

1,1,2-Trichloroethane

Concen: 88.559 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 1059368

Ion Ratio Lower Upper

97 100

83 86.2 68.4 102.6

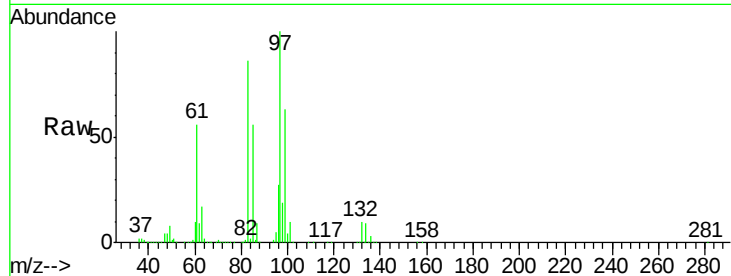
85 55.6 43.0 64.6

99 62.9 50.6 75.8

Manual Integrations
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MMDadoda

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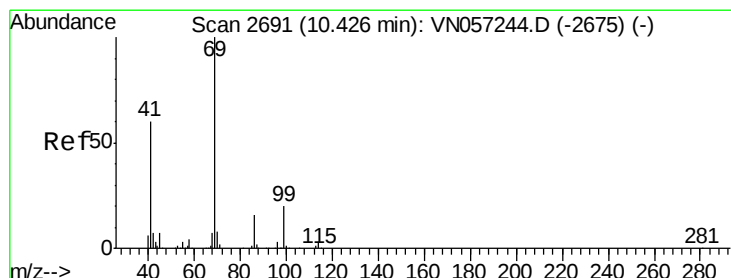
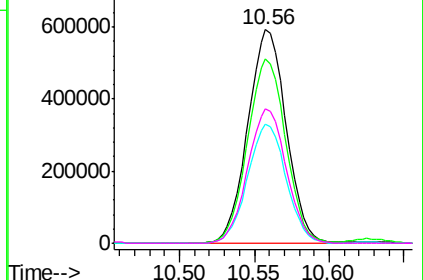
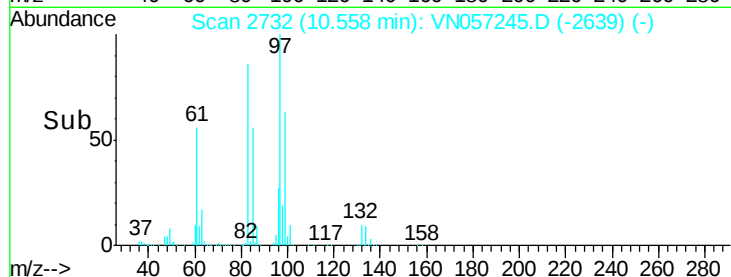


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 93.931 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

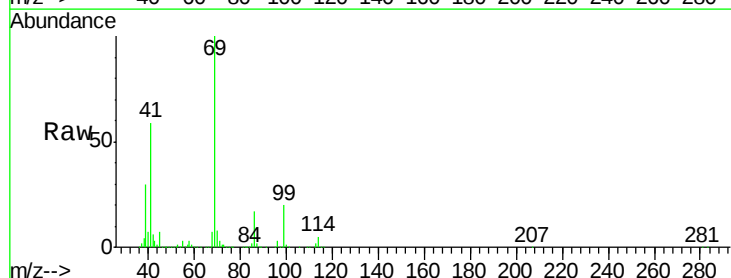
Tgt Ion: 69 Resp: 1598234

Ion Ratio Lower Upper

69 100

41 59.1 47.6 71.4

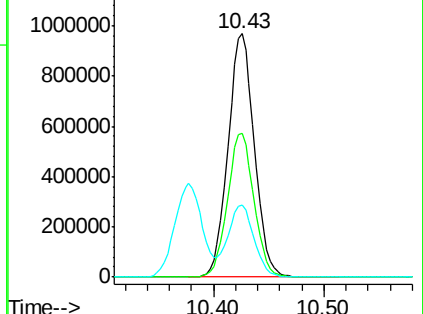
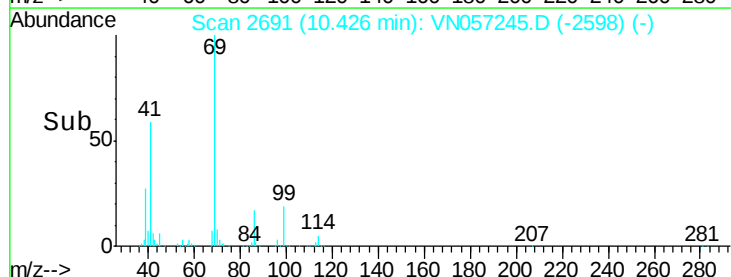
39 29.2 23.4 35.0

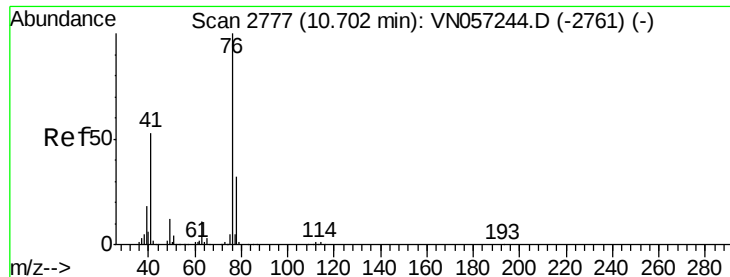


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 89.566 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 76 Resp: 1747979

Ion Ratio Lower Upper

76 100

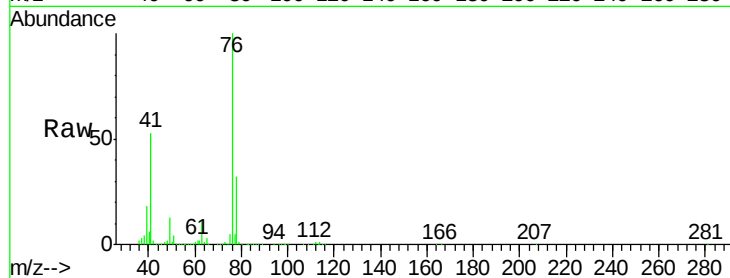
78 32.5 26.0 39.0

Manual Integrations

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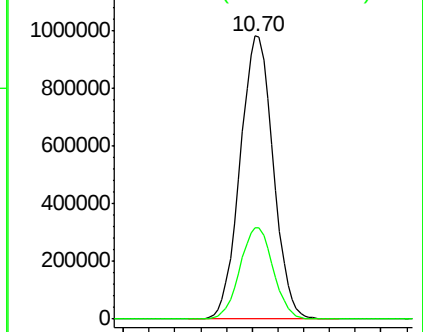
MMDadoda

8/16/2019 8:58:21 AM

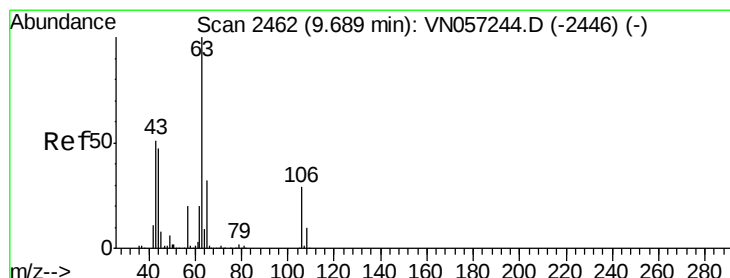
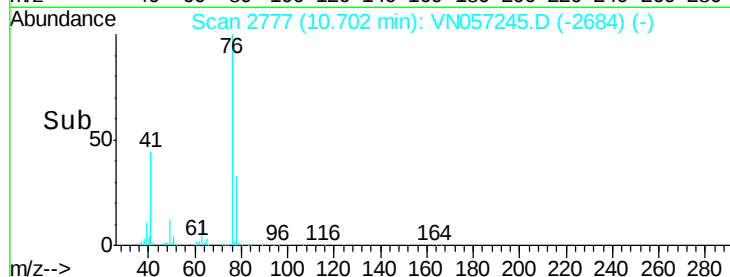


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 296.491 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057245.D

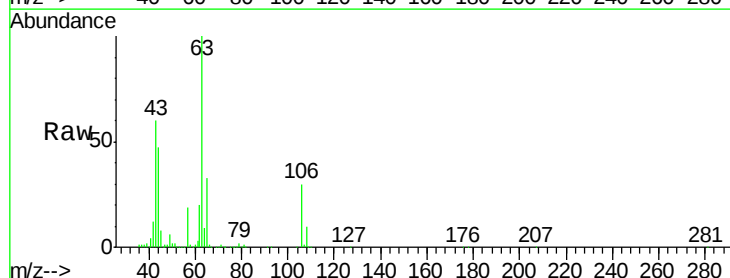
Acq: 13 Aug 2019 13:04

Tgt Ion: 63 Resp: 2237291

Ion Ratio Lower Upper

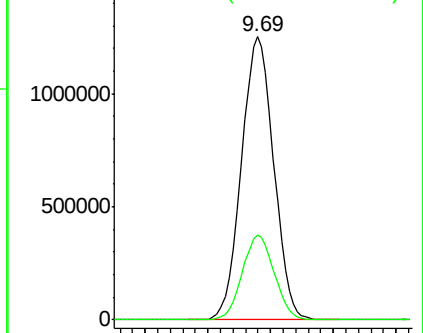
63 100

106 29.7 23.4 35.2

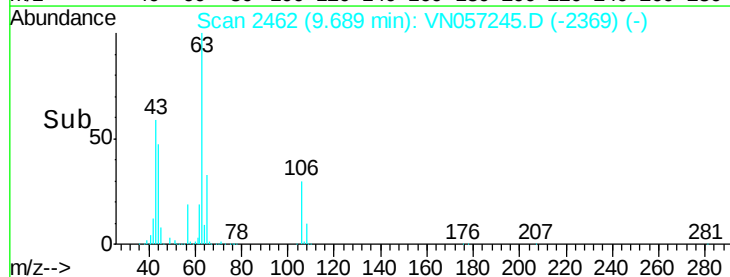


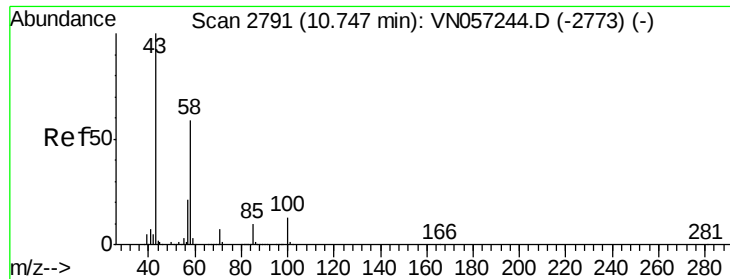
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.65 9.70 9.75





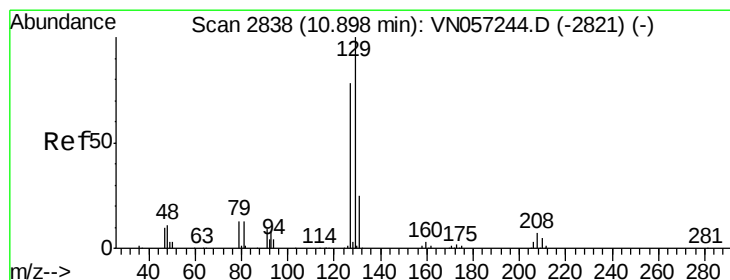
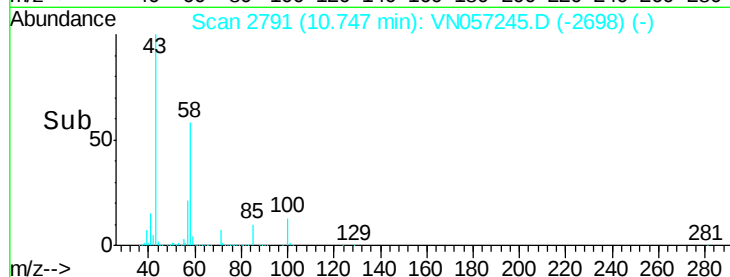
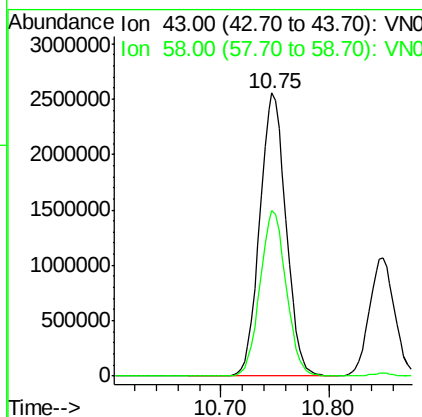
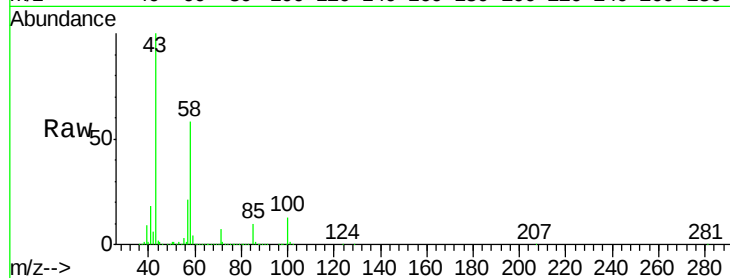
#59
2-Hexanone
Concen: 396.090 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 4296406
Ion Ratio Lower Upper
43 100
58 58.3 29.1 87.4

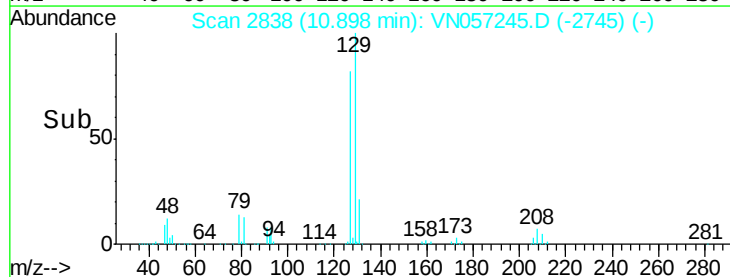
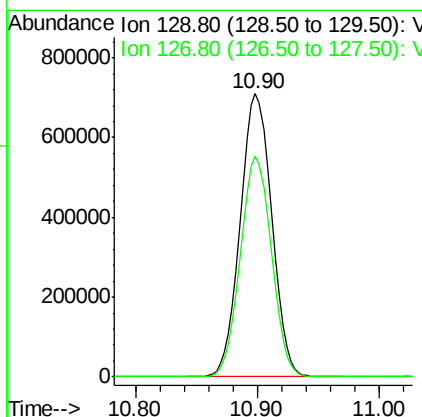
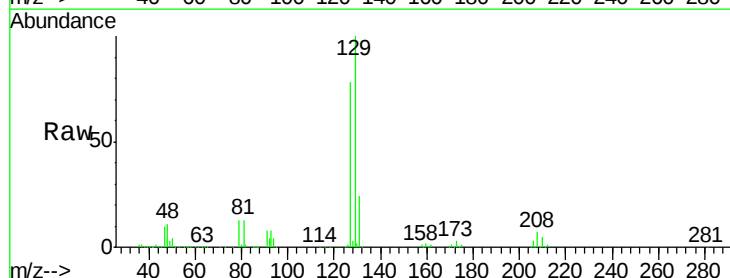
Manual Integrations
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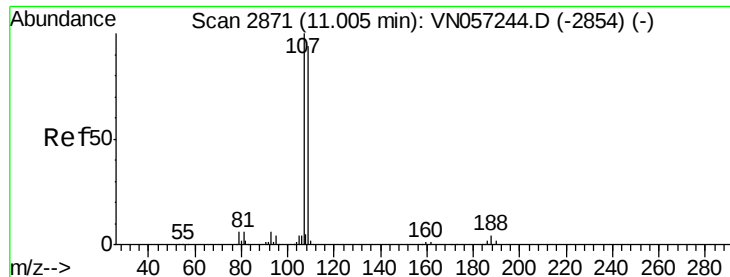
MMDadoda
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#60
Dibromochloromethane
Concen: 105.745 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 129 Resp: 1261951
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





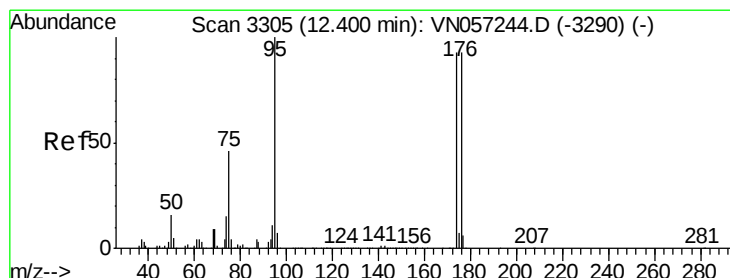
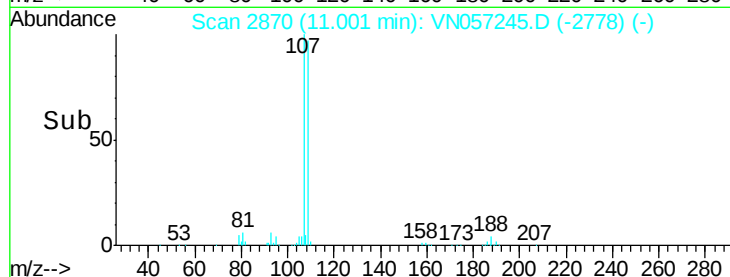
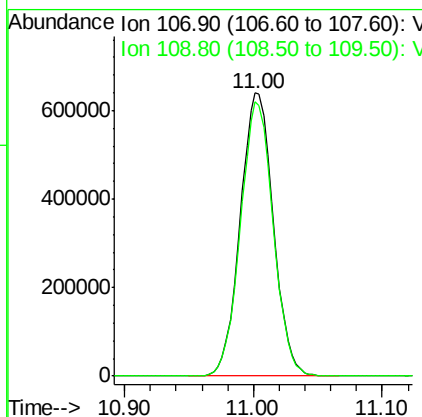
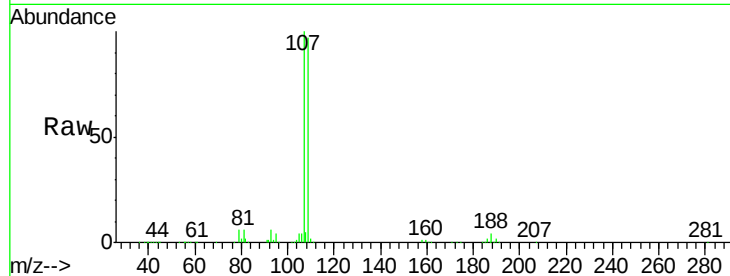
#61
 1,2-Dibromoethane
 Concen: 95.504 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:107 Resp: 1139059
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.7 113.5

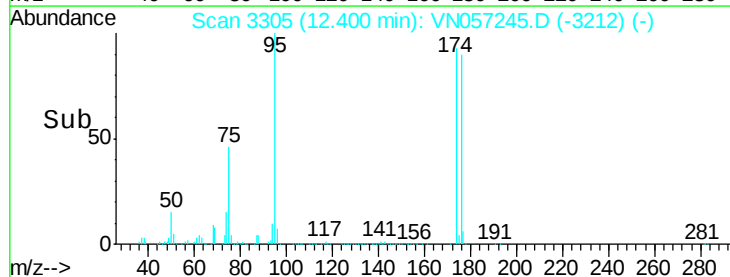
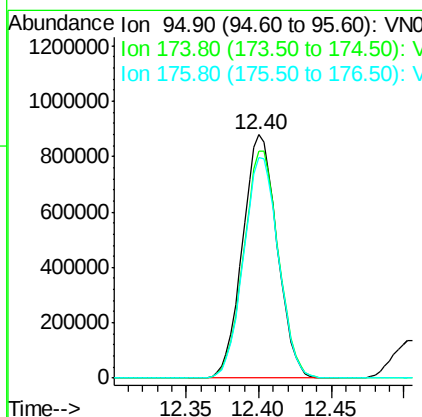
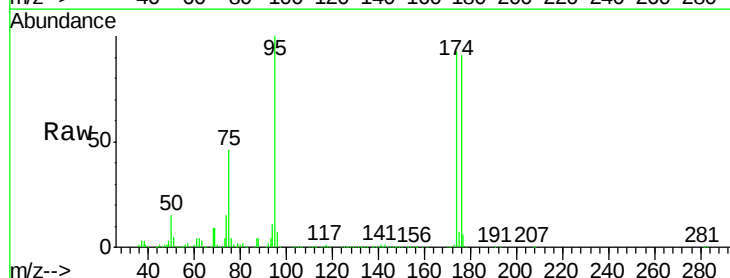
Manual Integrations
 APPROVED

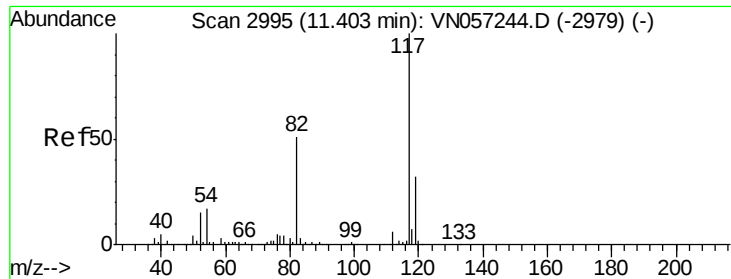
MMDadoda
 8/16/2019 8:58:21 AM



#62
 4-Bromofluorobenzene
 Concen: 104.606 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Tgt Ion: 95 Resp: 1454740
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 187.6
 176 91.9 0.0 185.8





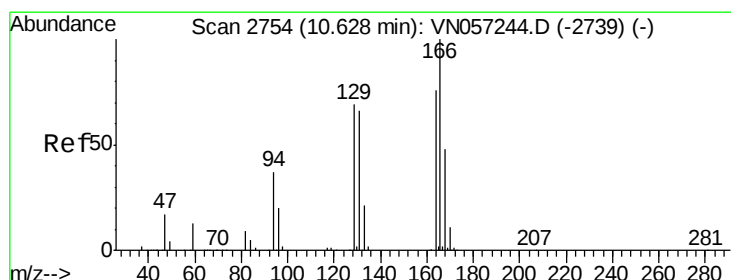
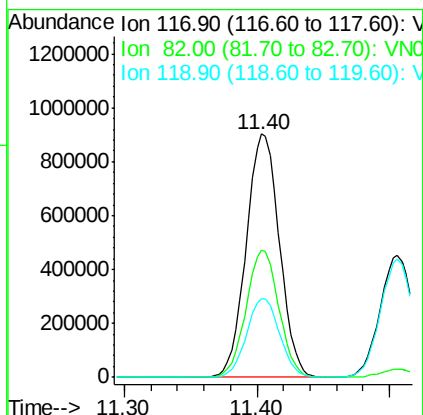
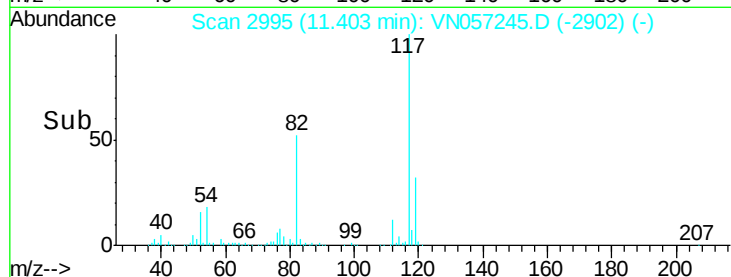
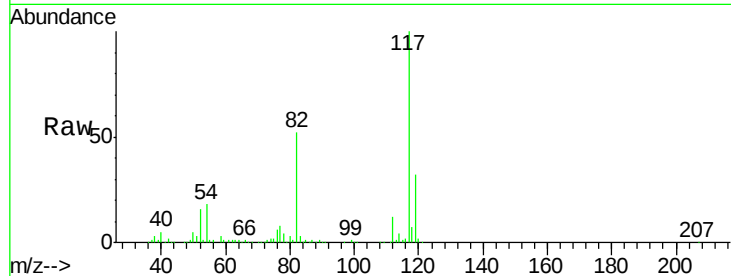
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	40.9	61.3
119	32.4	25.4	38.2

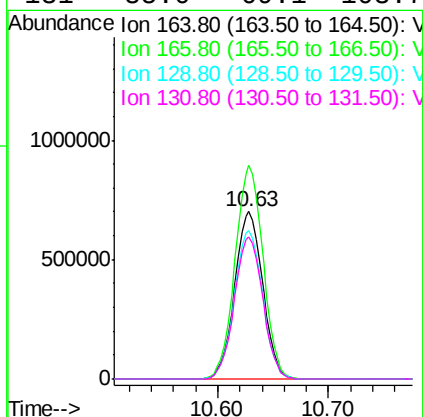
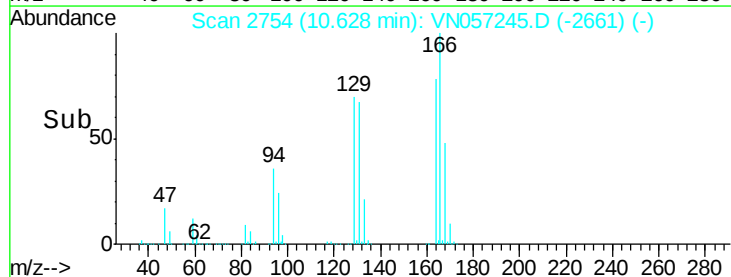
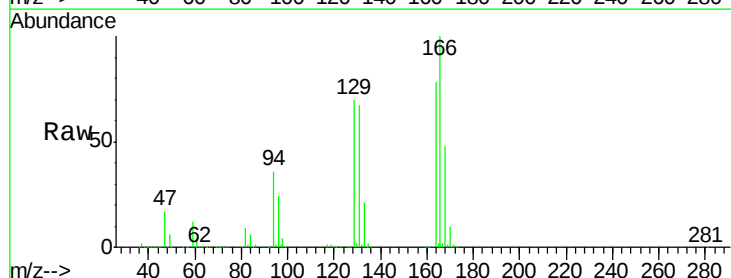
Manual Integrations
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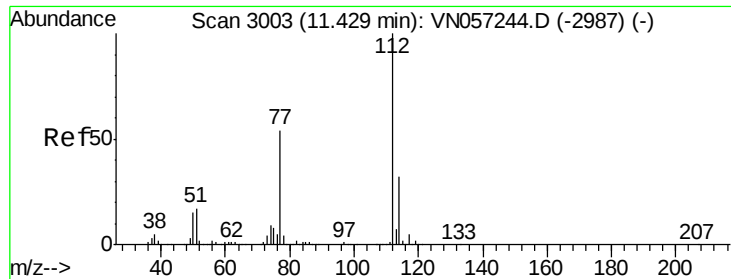
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#64
Tetrachloroethene
Concen: 90.603 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	104.9	157.3
129	89.1	71.9	107.9
131	85.0	69.1	103.7





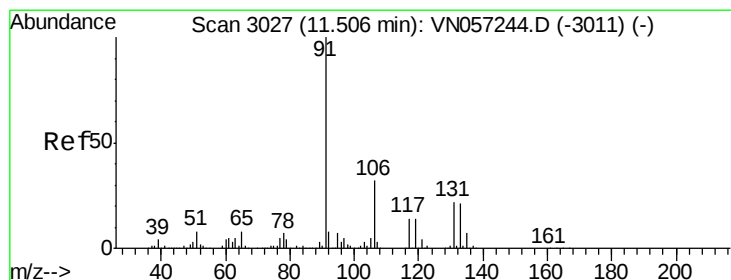
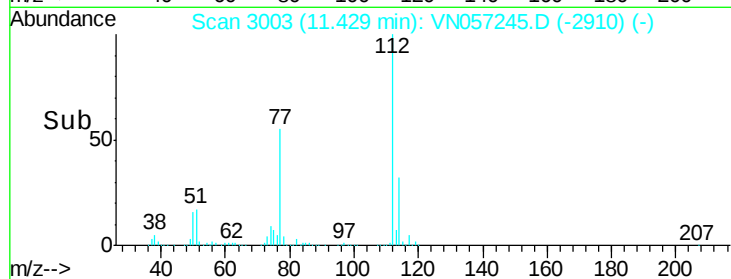
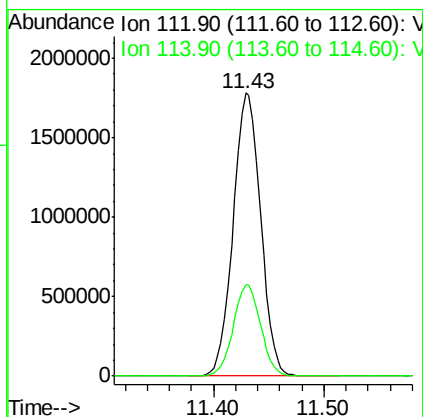
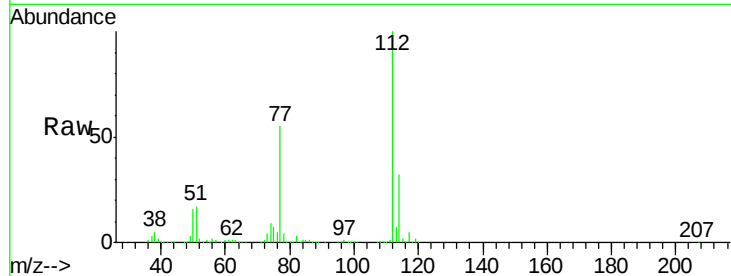
#65
Chlorobenzene
Concen: 95.490 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 3073275
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2

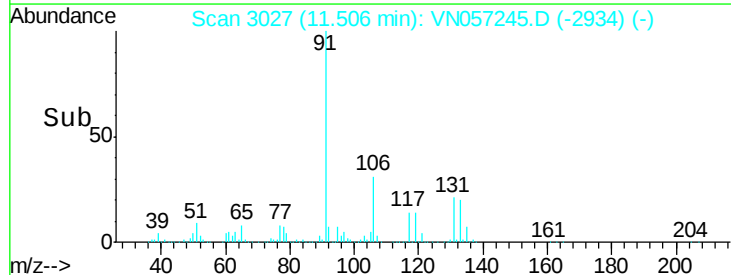
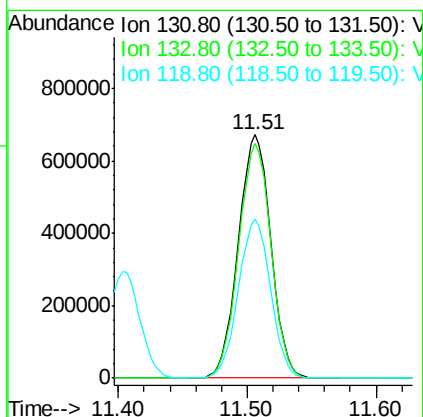
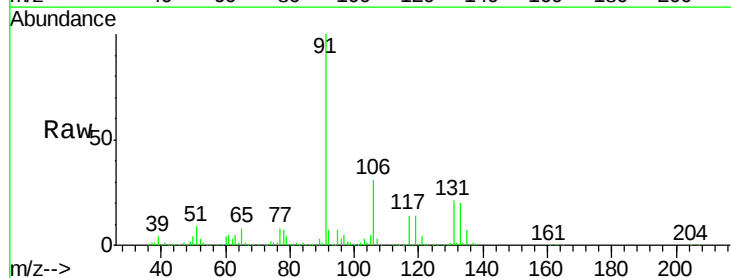
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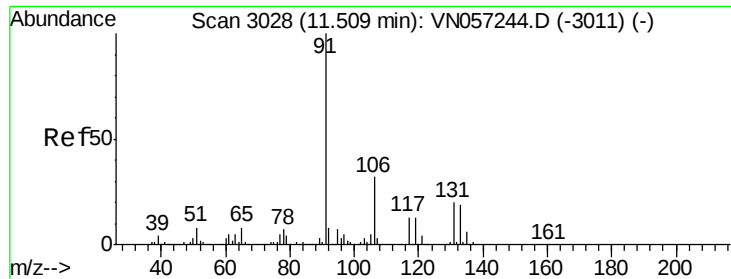
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.702 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion:131 Resp: 1177633
Ion Ratio Lower Upper
131 100
133 96.1 46.9 140.7
119 64.7 32.3 96.8





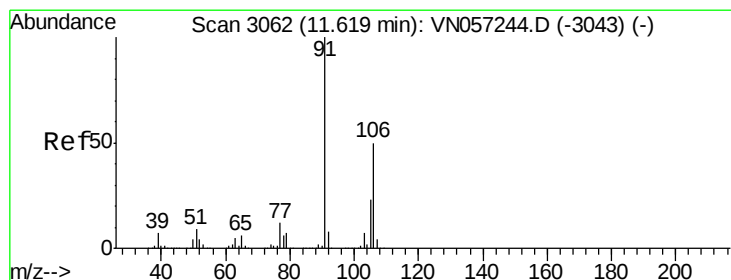
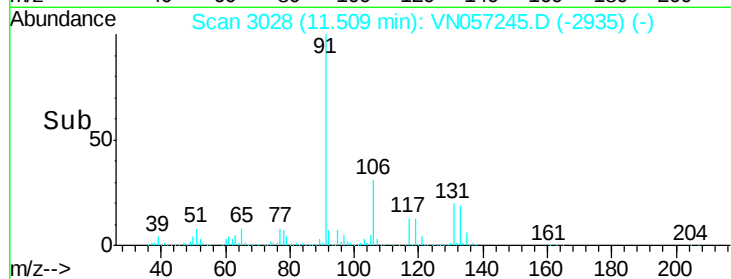
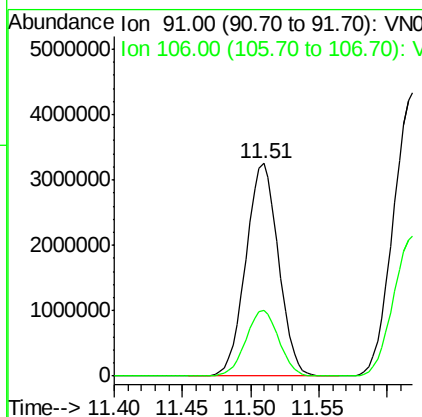
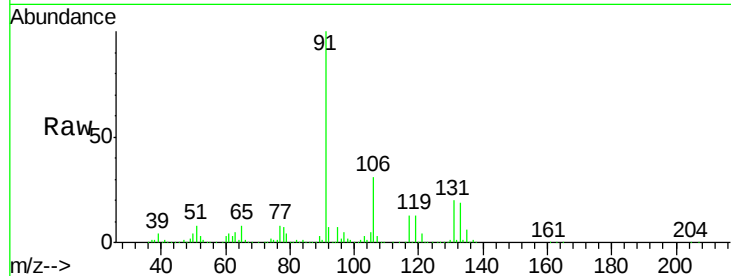
#67
Ethyl Benzene
Concen: 95.920 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 5400362
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

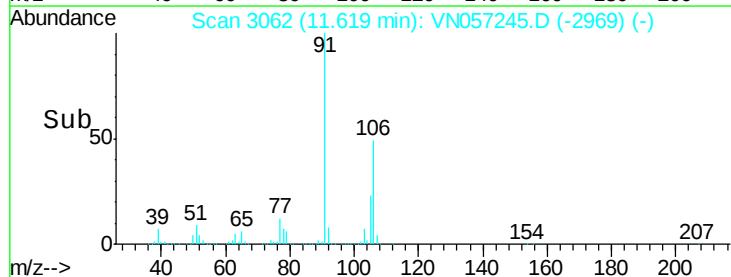
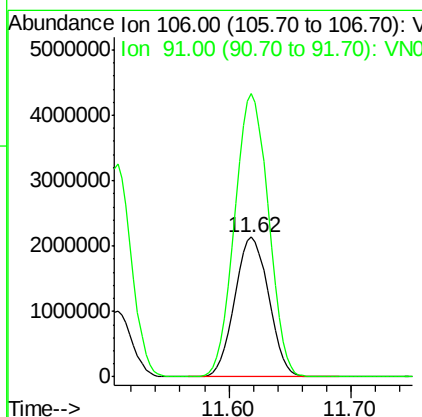
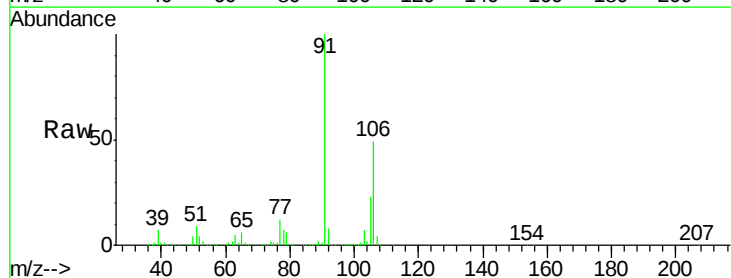
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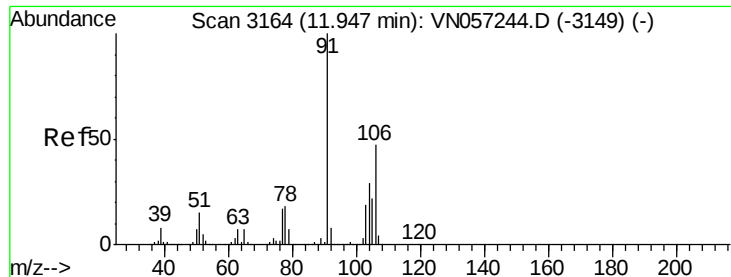
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#68
m/p-Xylenes
Concen: 195.735 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 106 Resp: 4115396
Ion Ratio Lower Upper
106 100
91 202.0 161.4 242.0





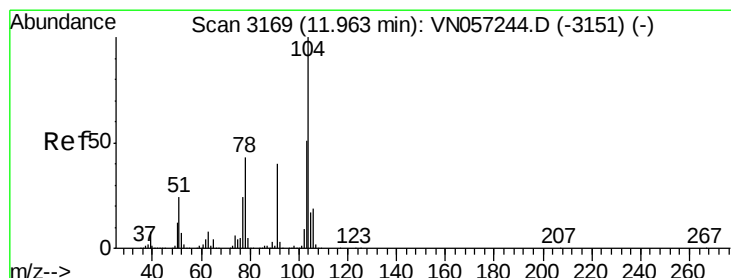
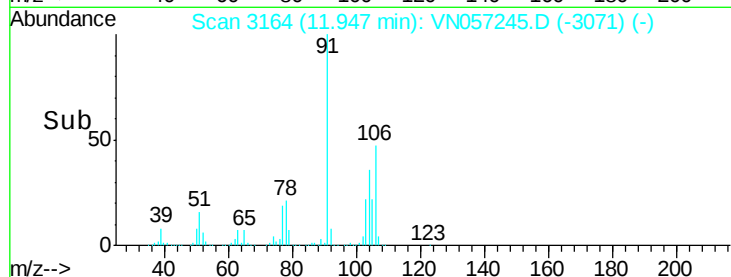
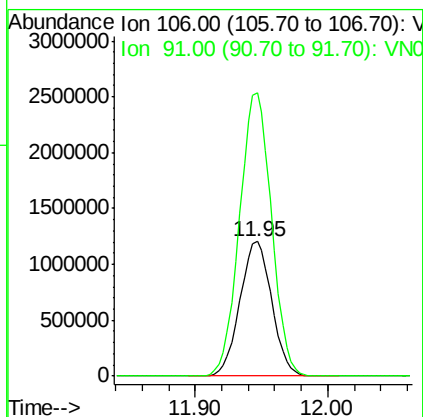
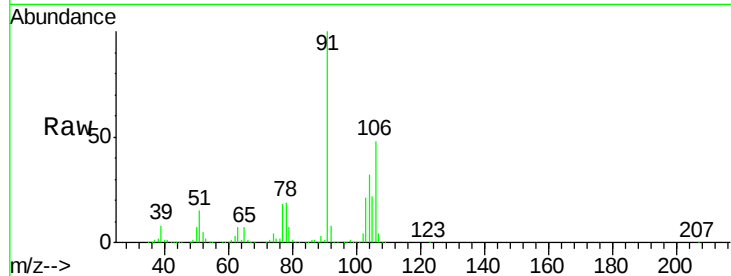
#69
o-Xylene
Concen: 96.988 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2004167
Ion Ratio Lower Upper
106 100
91 211.3 106.5 319.4

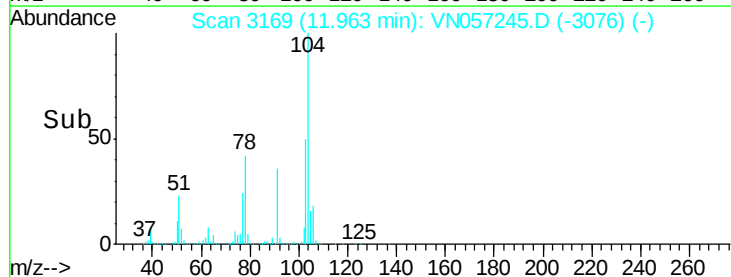
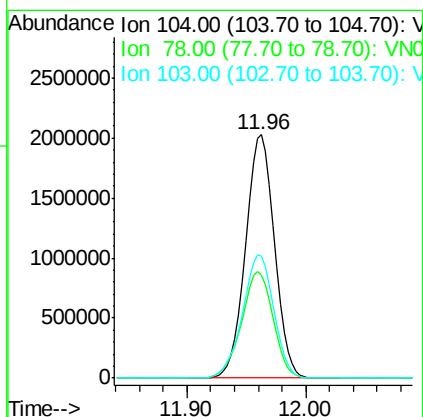
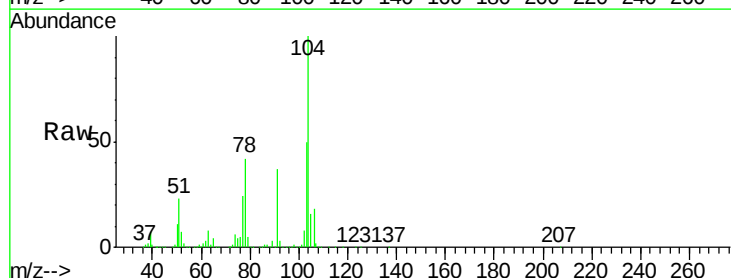
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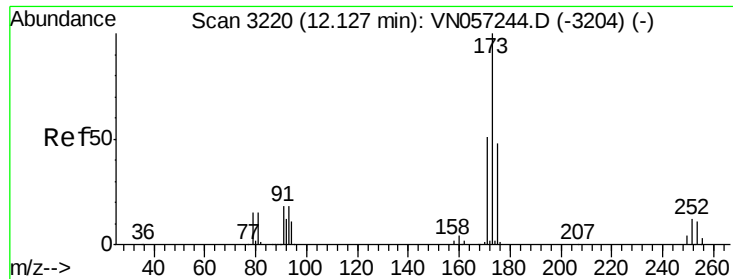
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#70
Styrene
Concen: 102.561 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion:104 Resp: 3414863
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 54.7 43.9 65.9





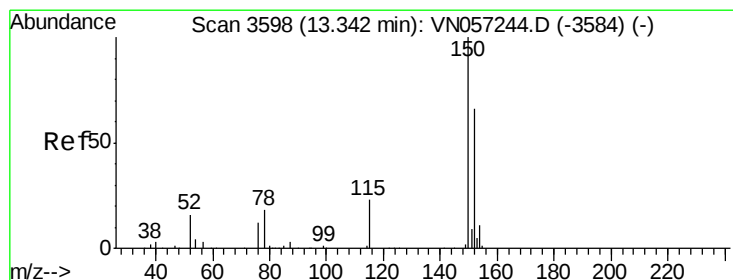
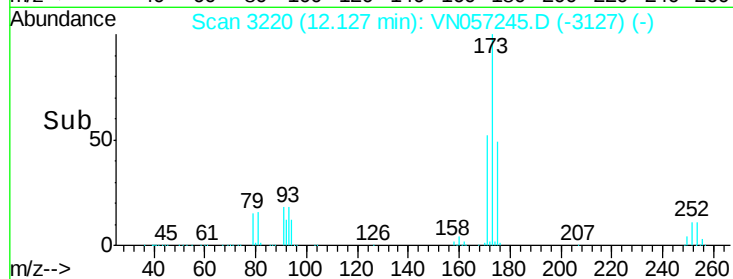
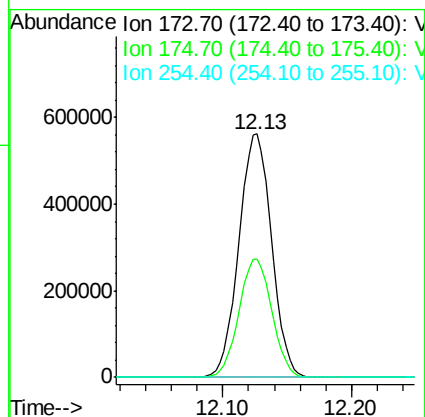
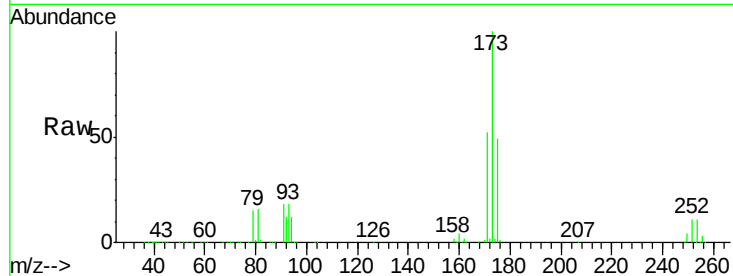
#71
Bromoform
Concen: 109.287 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.2	0.2	0.2

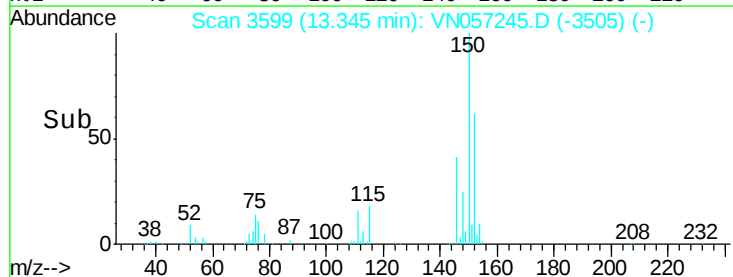
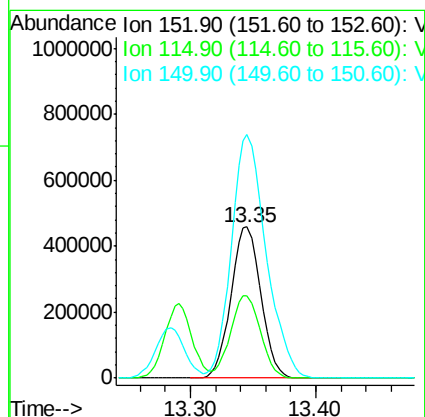
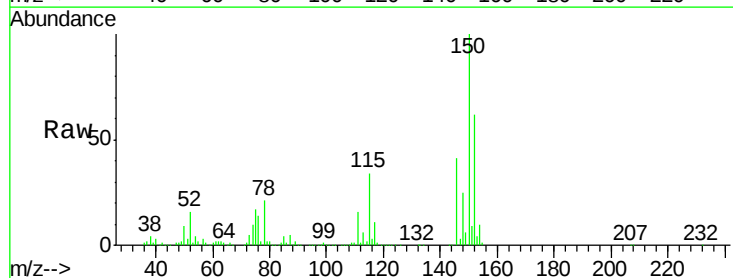
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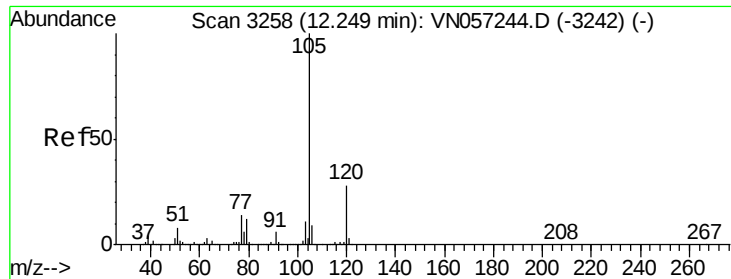
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.6	82.8
150	187.0	0.0	348.4





#73

Isopropylbenzene

Concen: 87.097 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 5418254

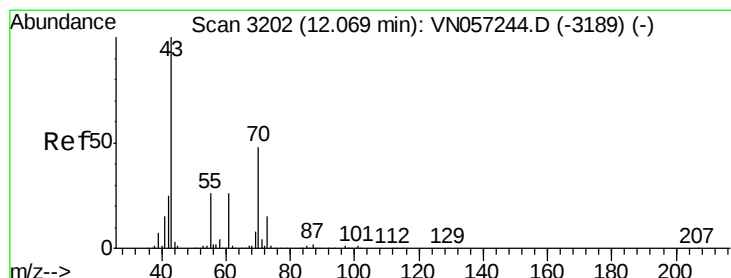
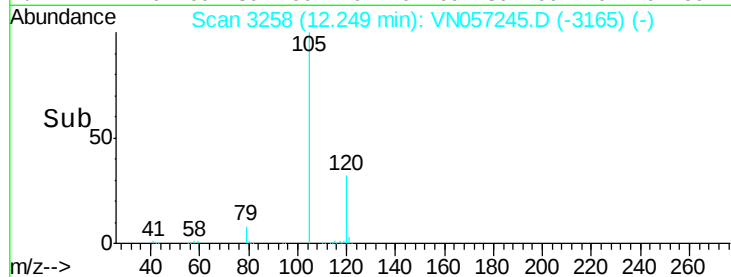
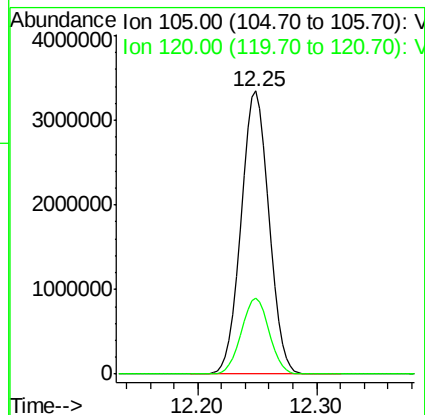
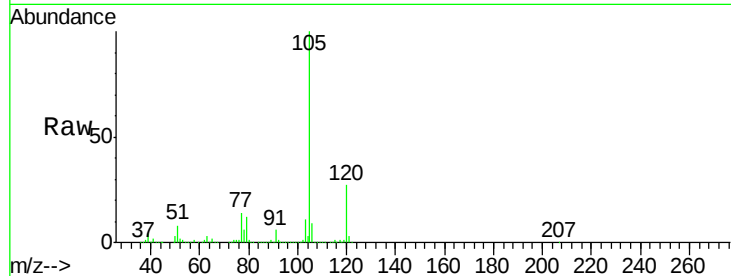
Ion Ratio Lower Upper

105 100

120 26.9 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 76.176 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Tgt Ion: 43 Resp: 1686388

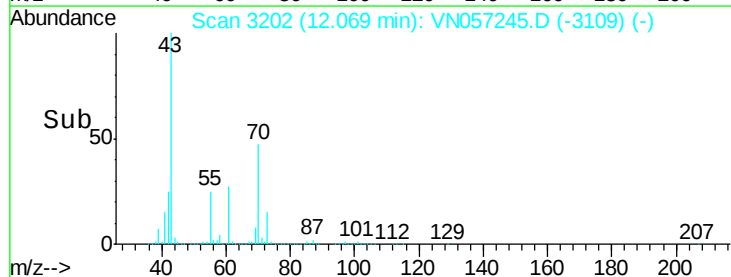
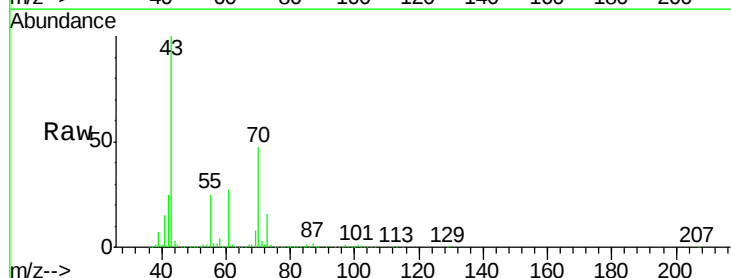
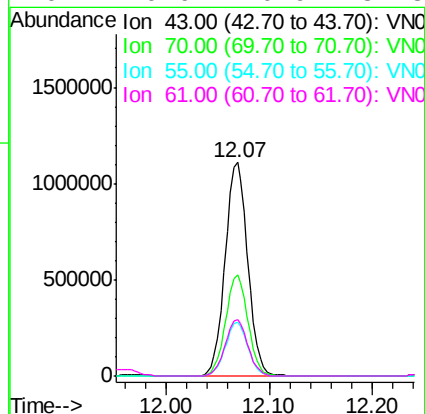
Ion Ratio Lower Upper

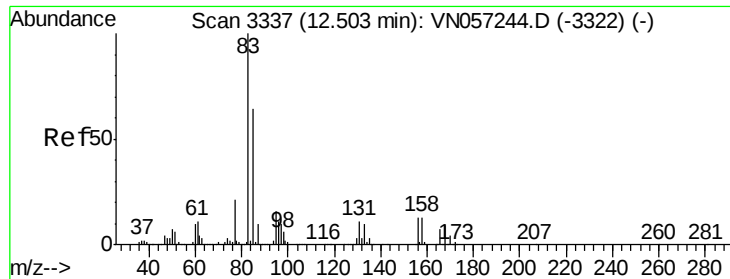
43 100

70 46.8 37.4 56.2

55 25.1 21.0 31.4

61 26.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 71.885 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 1470674

Ion Ratio Lower Upper

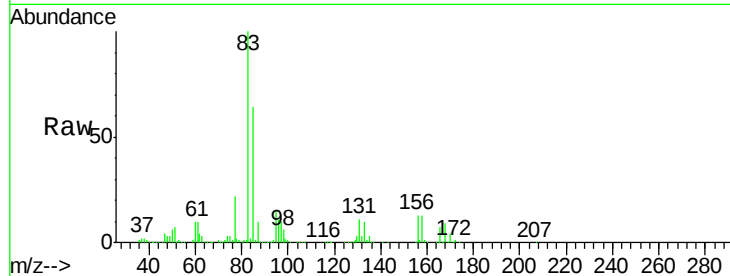
83 100

131 11.3 5.6 16.8

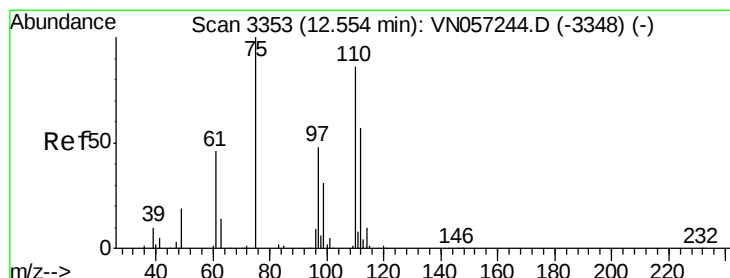
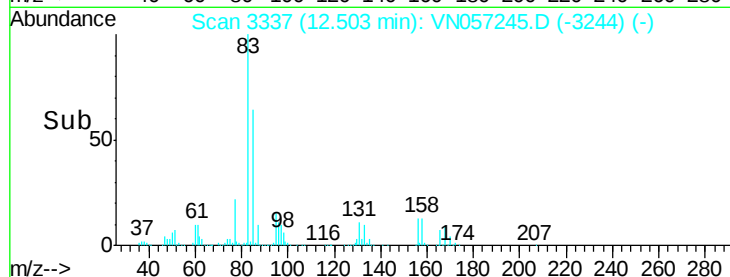
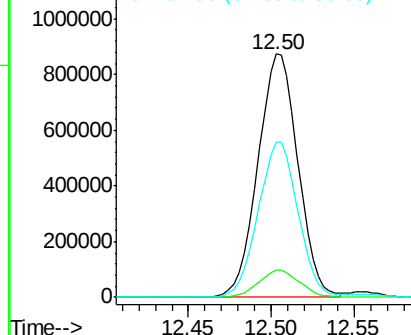
85 63.7 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 75.771 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057245.D

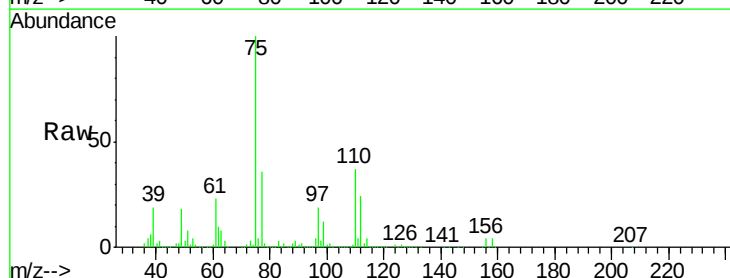
Acq: 13 Aug 2019 13:04

Tgt Ion: 75 Resp: 1235729

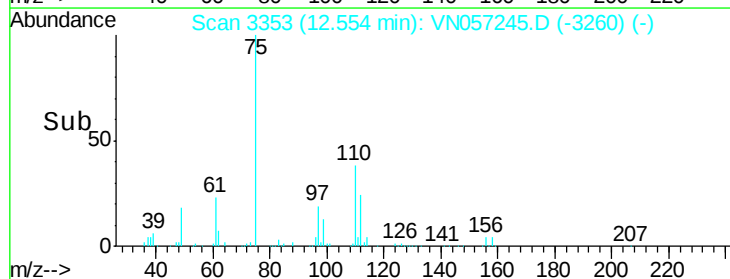
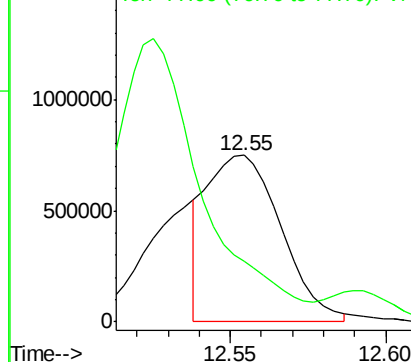
Ion Ratio Lower Upper

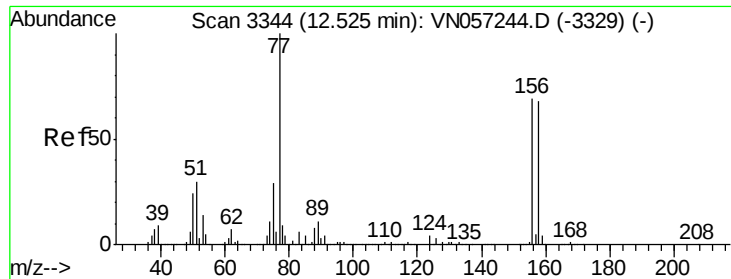
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 90.037 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1467546

Ion Ratio Lower Upper

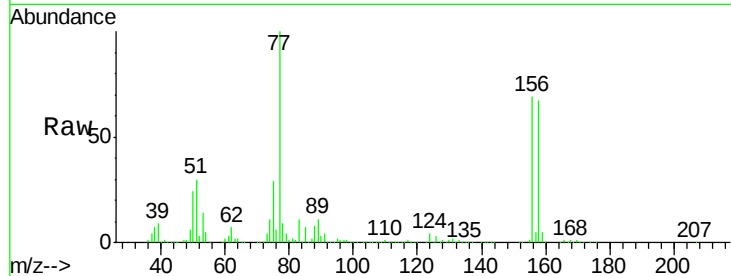
156 100

77 175.3 88.0 264.1

158 97.7 49.4 148.0

Manual Integrations
APPROVED

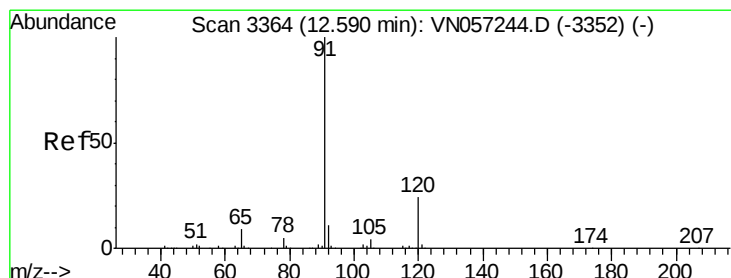
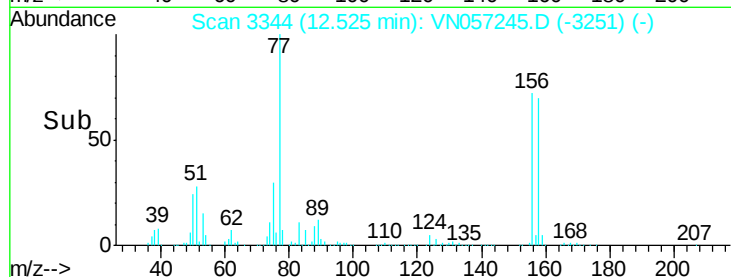
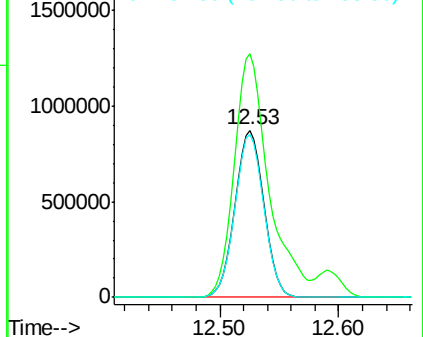
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 87.319 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057245.D

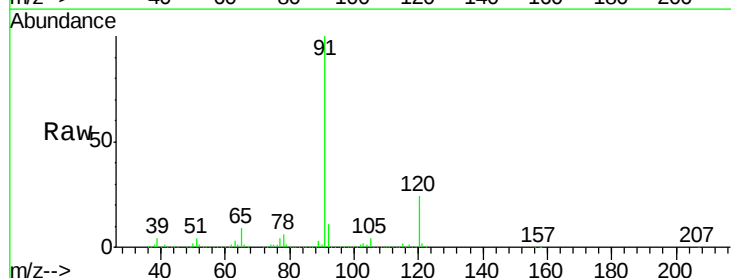
Acq: 13 Aug 2019 13:04

Tgt Ion: 91 Resp: 5966085

Ion Ratio Lower Upper

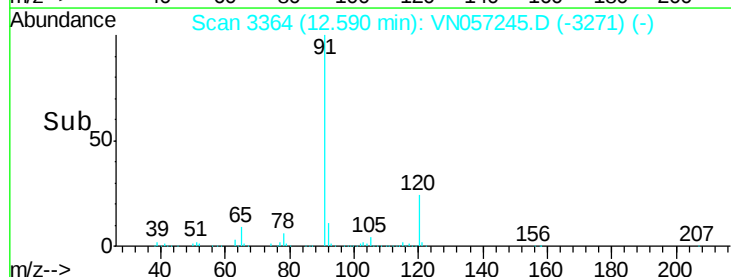
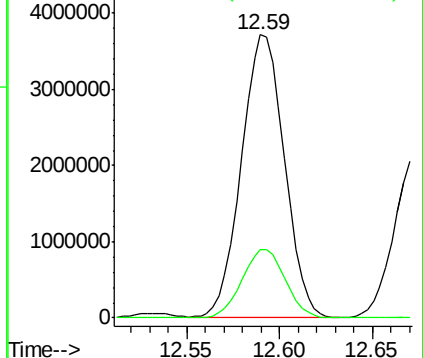
91 100

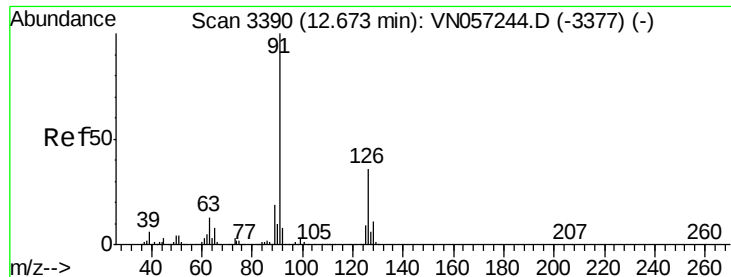
120 24.5 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 83.980 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3568387

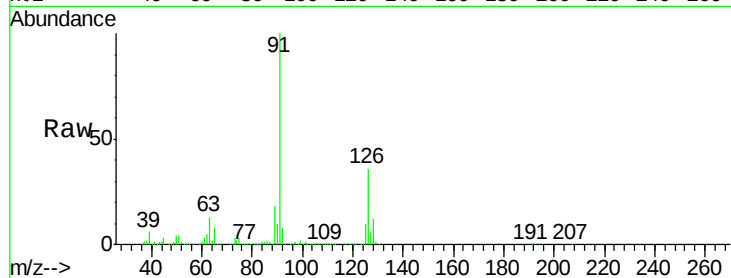
Ion Ratio Lower Upper

91 100

126 36.5 18.0 54.0

Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN057244.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN057244.D (-3377) (-)

4000000

3000000

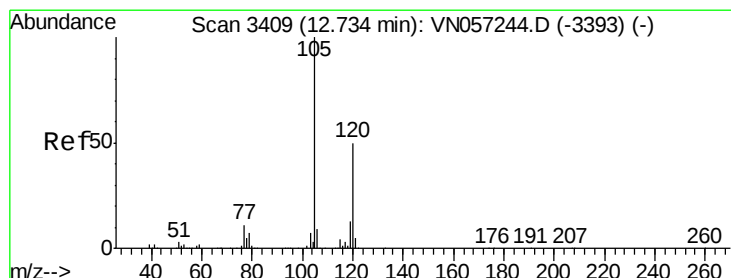
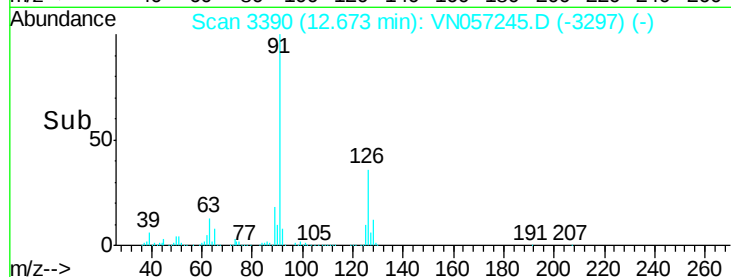
2000000

1000000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 88.090 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057245.D

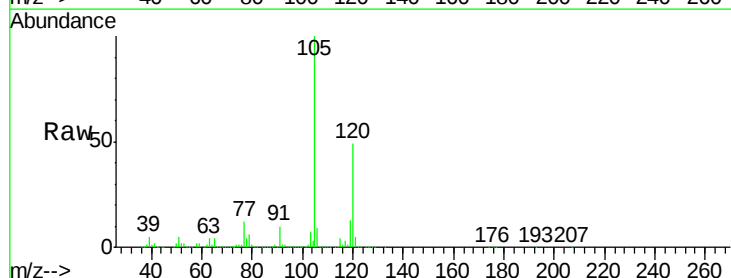
Acq: 13 Aug 2019 13:04

Tgt Ion:105 Resp: 4629155

Ion Ratio Lower Upper

105 100

120 49.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN057244.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057244.D (-3393) (-)

3000000

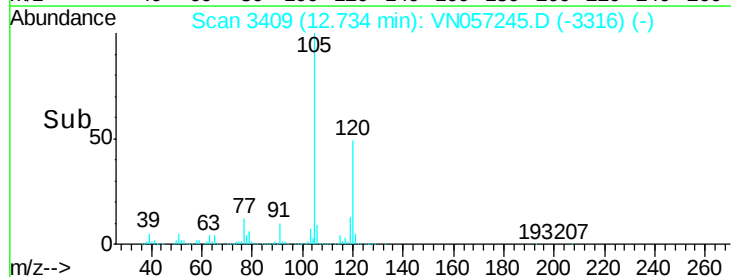
2000000

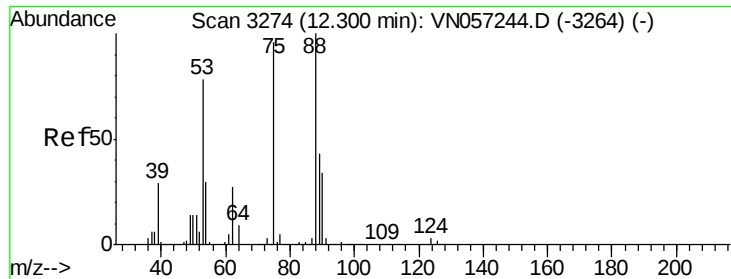
1000000

0

12.70 12.80

Time-->





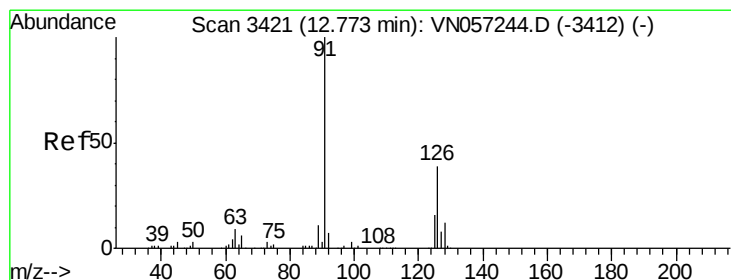
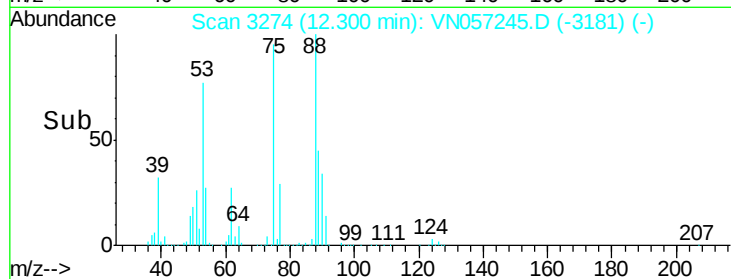
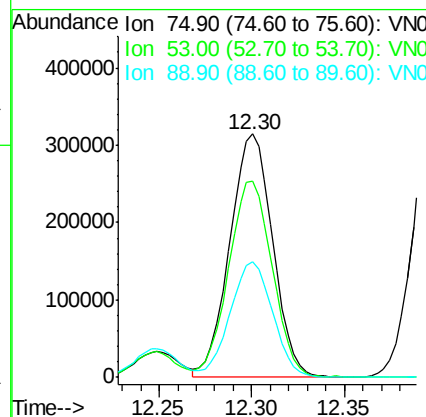
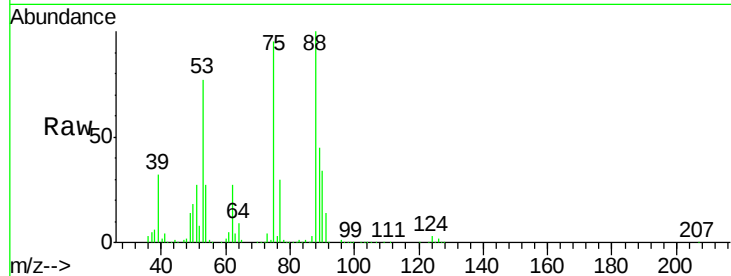
#81
trans-1,4-Dichloro-2-butene
Concen: 93.376 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.4	65.8	98.6
89	47.1	36.7	55.1

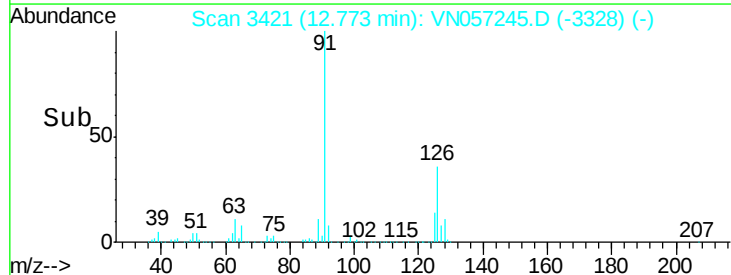
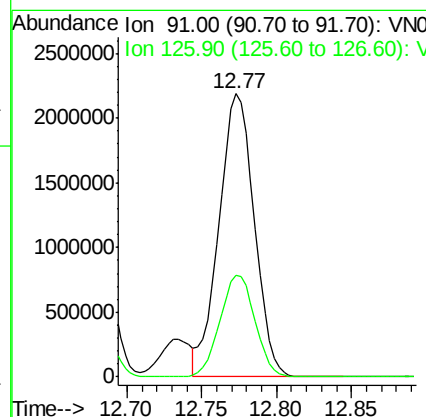
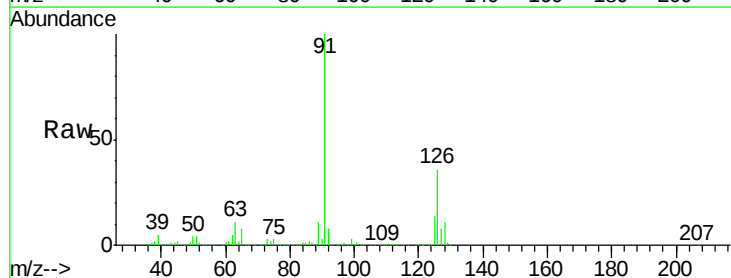
Manual Integrations
APPROVED

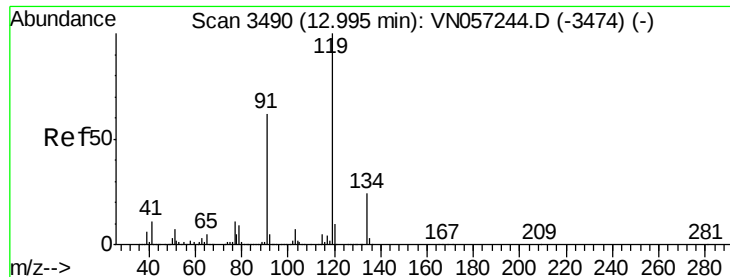
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#82
4-Chlorotoluene
Concen: 89.815 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.9	53.7





#83

tert-Butylbenzene

Concen: 88.030 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 4065076

Ion Ratio Lower Upper

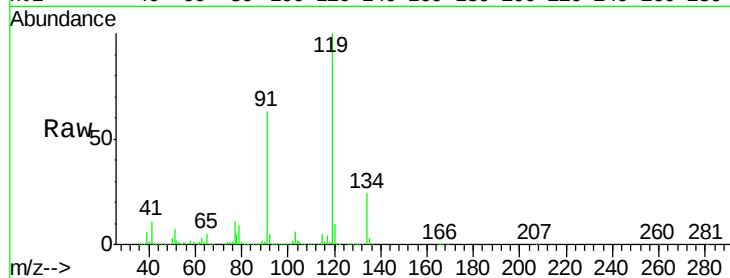
119 100

91 61.7 30.8 92.3

134 25.8 12.9 38.7

Manual Integrations
APPROVED

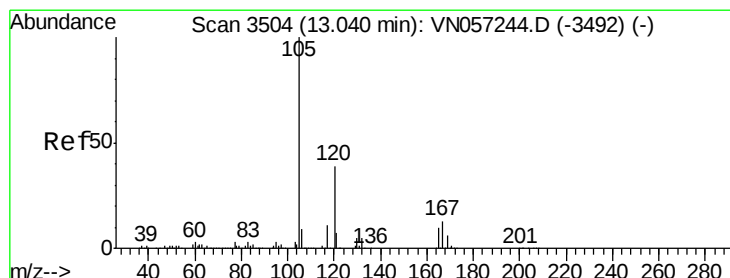
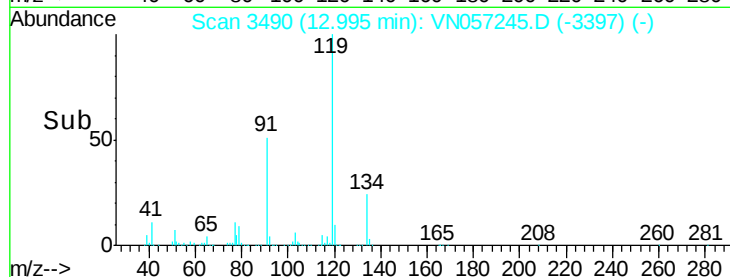
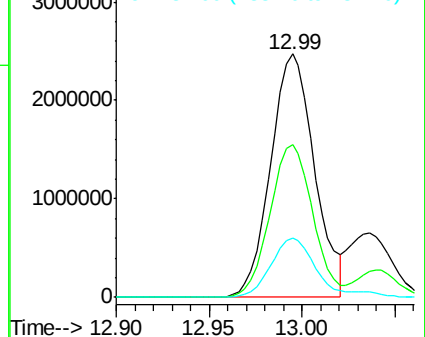
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 88.653 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN057245.D

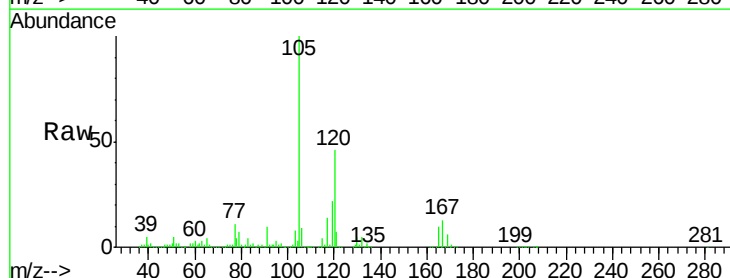
Acq: 13 Aug 2019 13:04

Tgt Ion:105 Resp: 4513376

Ion Ratio Lower Upper

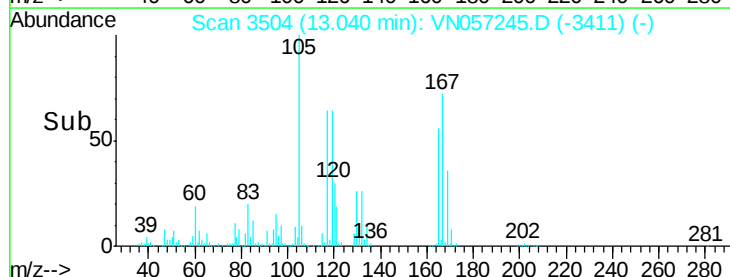
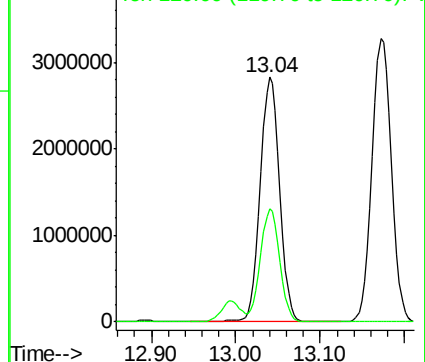
105 100

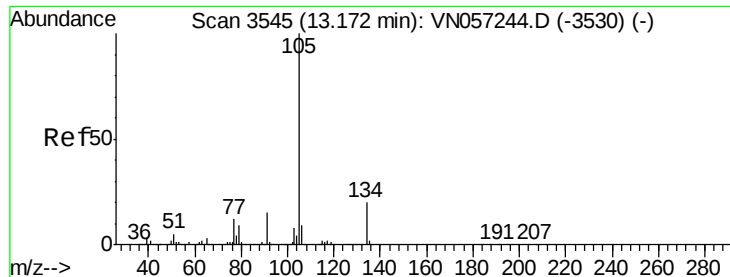
120 46.2 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 89.620 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 5225115

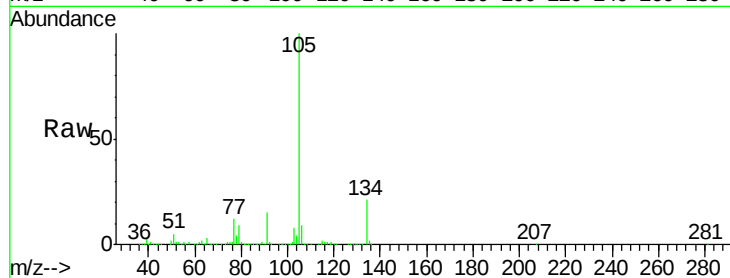
Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2

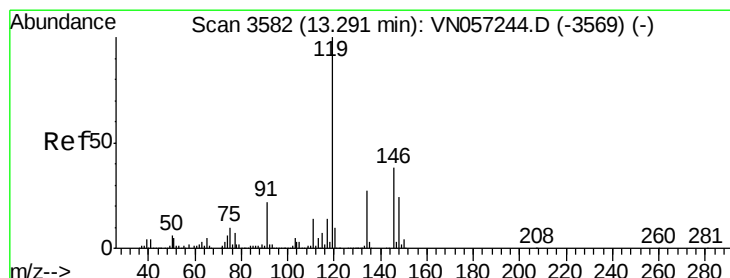
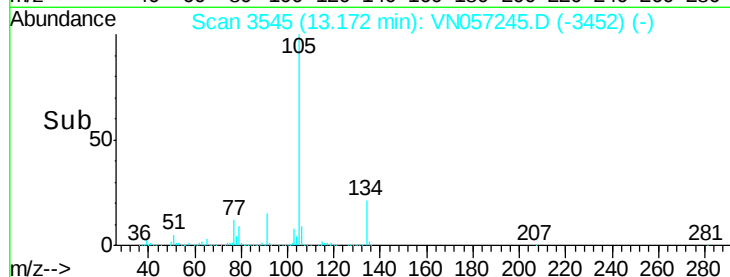
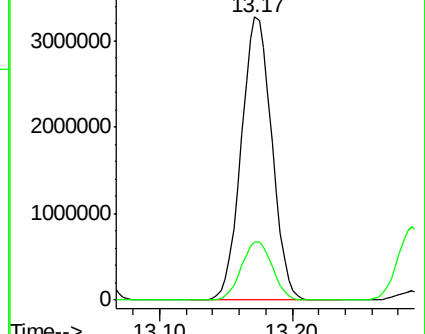
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 91.252 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

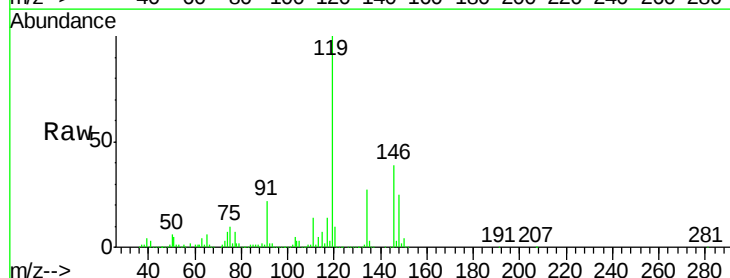
Tgt Ion:119 Resp: 4793851

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

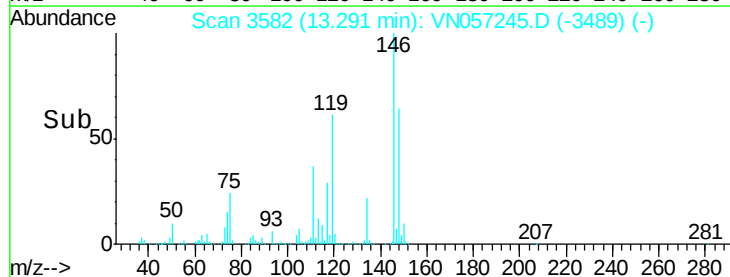
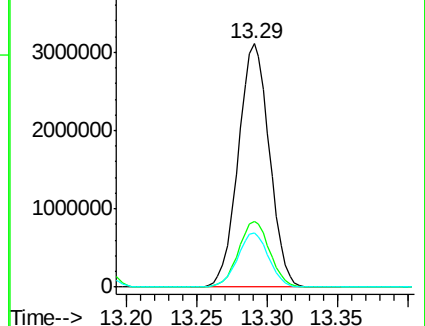
91 22.2 11.1 33.3

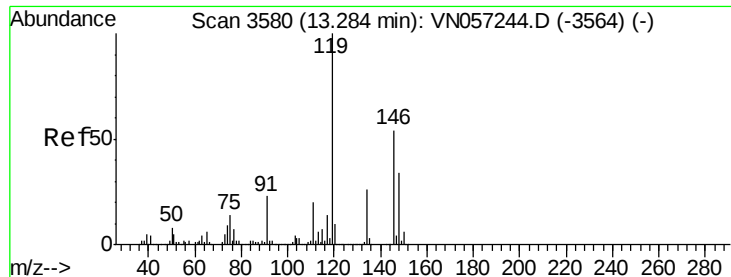


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 92.348 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 2430452

Ion Ratio Lower Upper

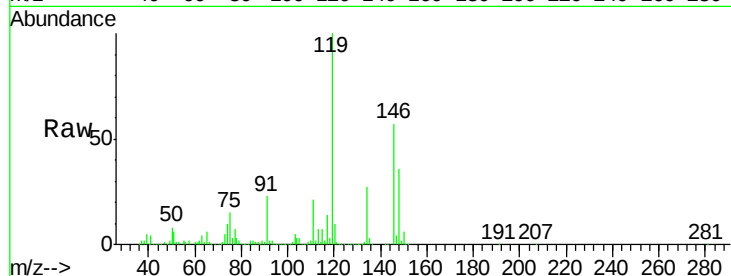
146 100

111 37.6 18.8 56.4

148 64.1 32.1 96.5

Manual Integrations
APPROVED

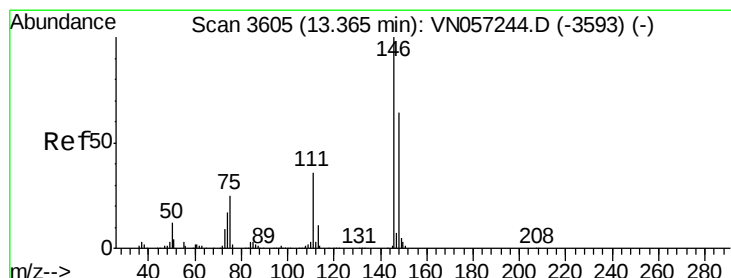
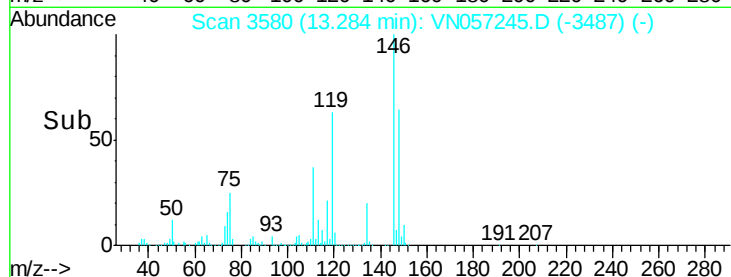
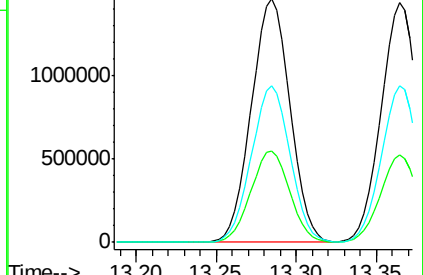
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 92.344 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

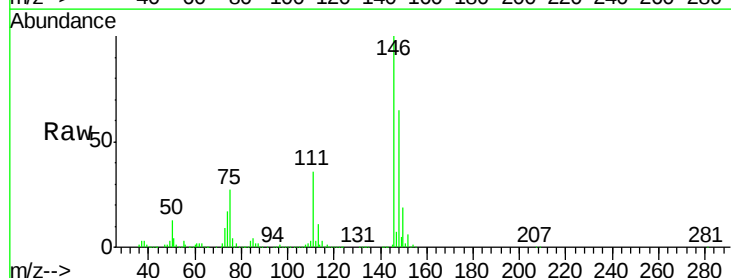
Tgt Ion:146 Resp: 2350257

Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.8

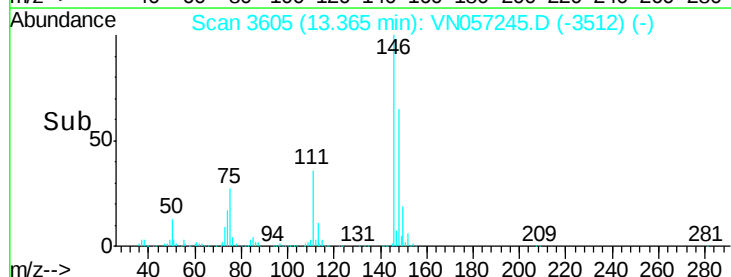
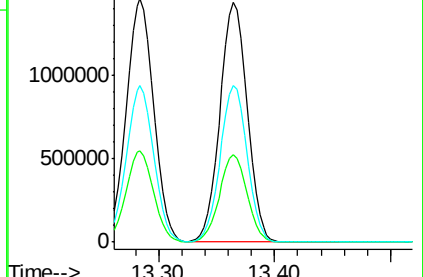
148 64.6 32.0 96.0

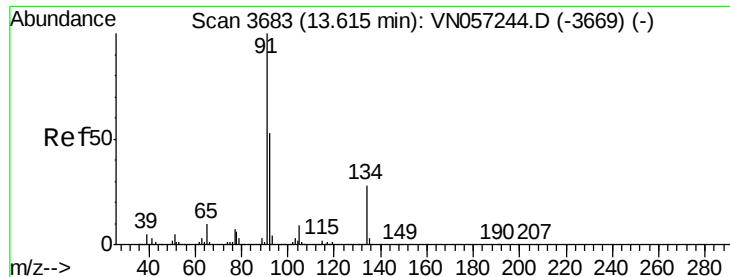


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





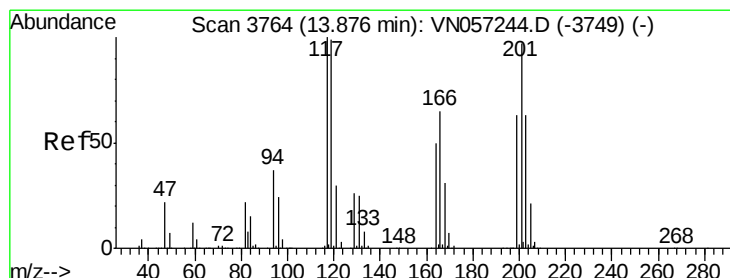
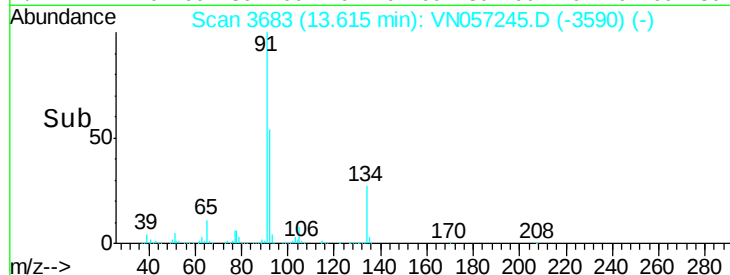
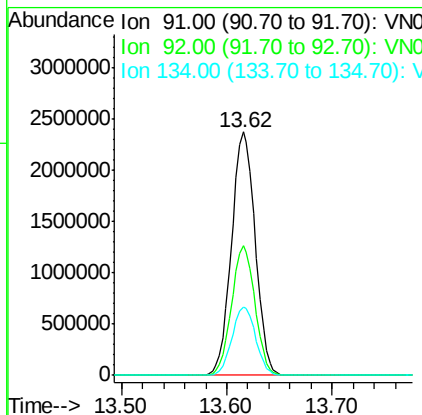
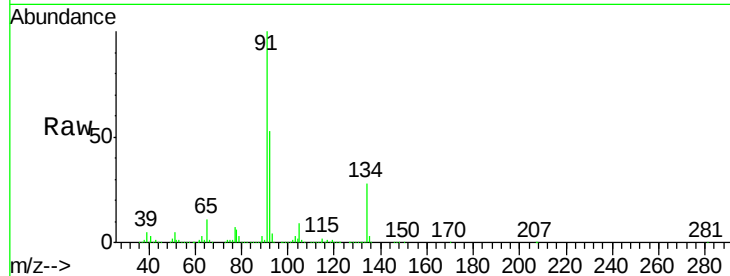
#89
n-Butylbenzene
Concen: 89.063 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3678250
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 28.1 14.1 42.3

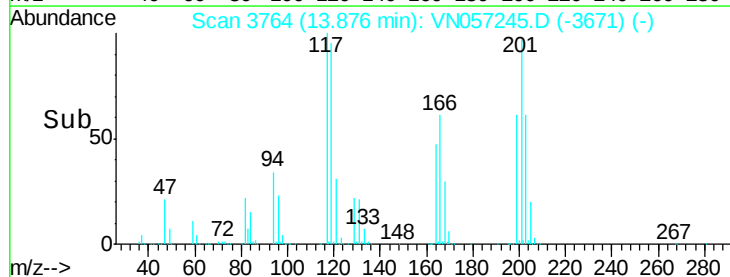
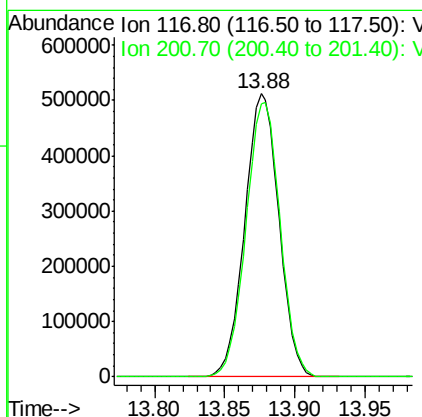
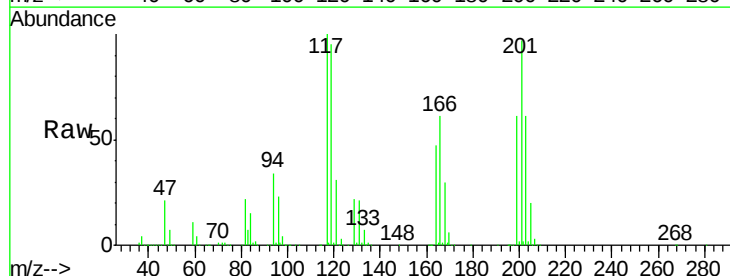
Manual Integrations
APPROVED

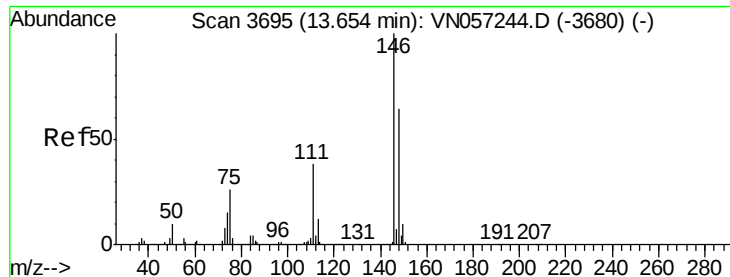
MMDadoda
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#90
Hexachloroethane
Concen: 99.559 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057245.D
Acq: 13 Aug 2019 13:04

Tgt Ion: 117 Resp: 868049
Ion Ratio Lower Upper
117 100
201 97.1 49.5 148.5





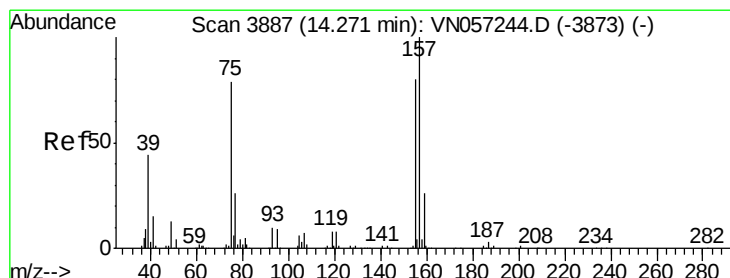
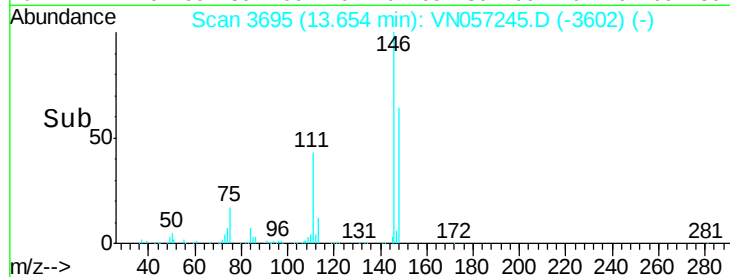
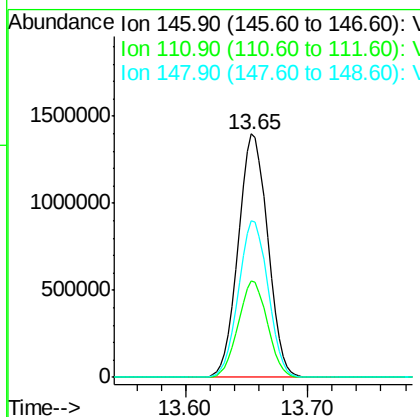
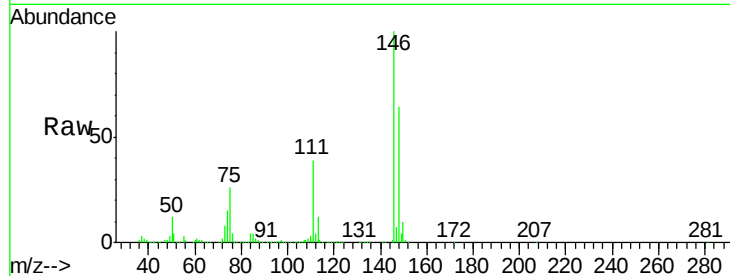
#91
 1,2-Dichlorobenzene
 Concen: 87.194 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.9
148	64.5	31.9	95.5

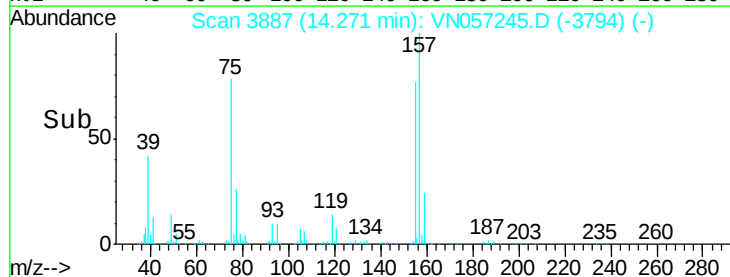
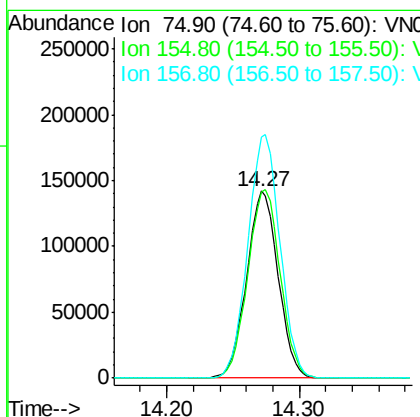
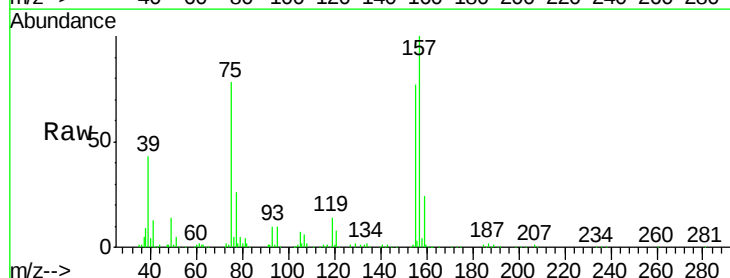
Manual Integrations
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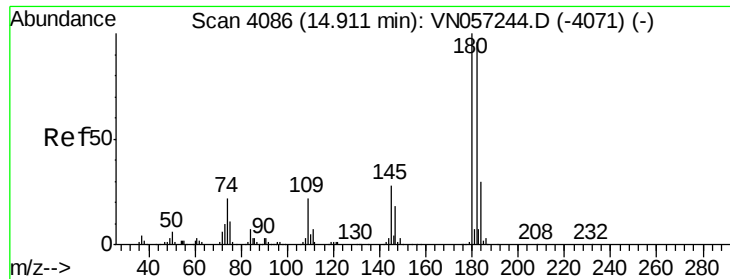
MMDadoda
 8/16/2019 8:58:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.261 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	50.3	151.0
157	132.6	65.3	195.9





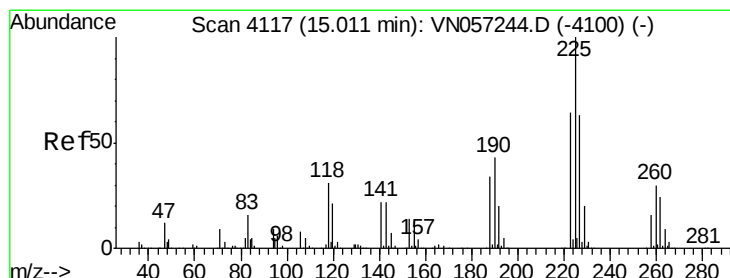
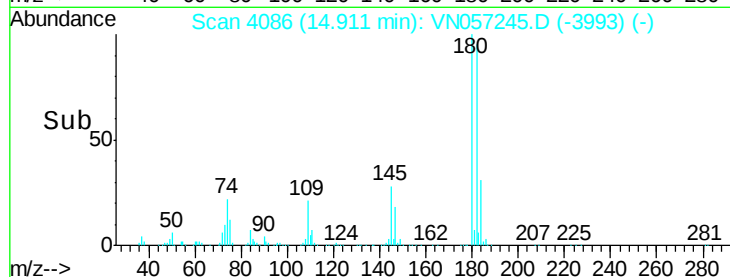
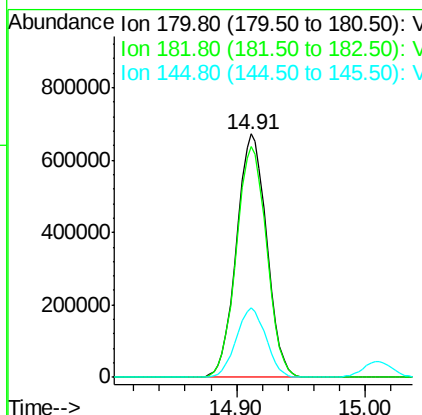
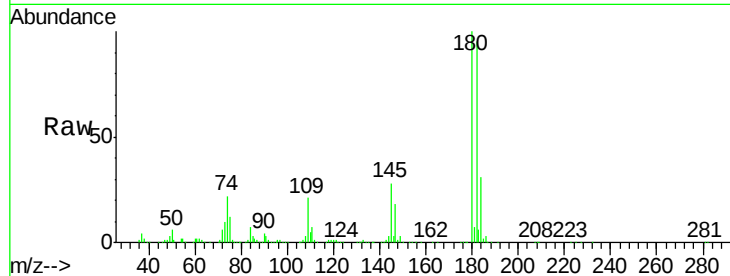
#93
 1,2,4-Trichlorobenzene
 Concen: 94.473 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	28.2	14.2	42.6

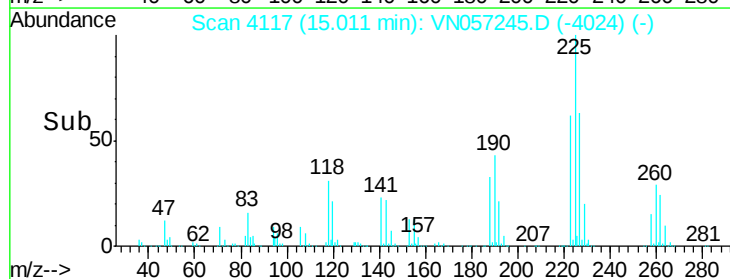
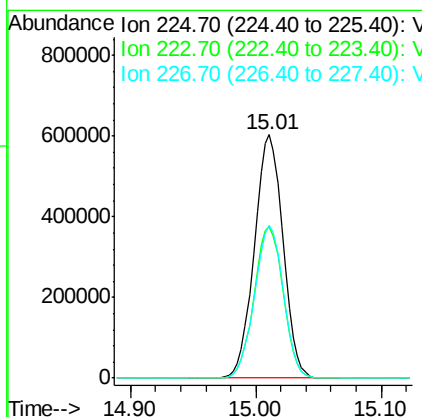
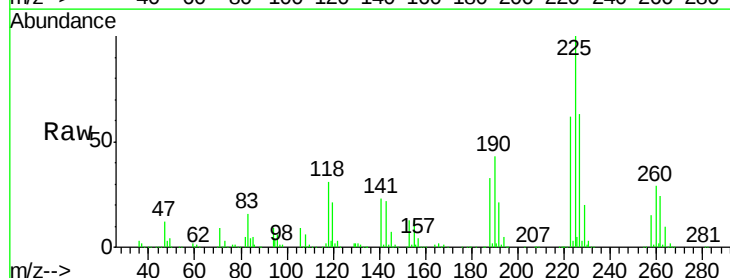
Manual Integrations
 APPROVED

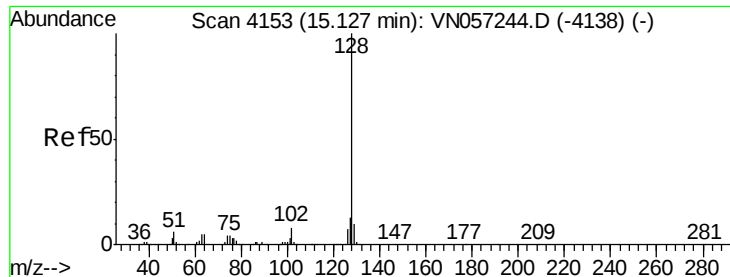
MMDadoda
 8/16/2019 8:58:21 AM



#94
 Hexachlorobutadiene
 Concen: 96.423 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057245.D
 Acq: 13 Aug 2019 13:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	63.2	31.4	94.3





#95

Naphthalene

Concen: 66.743 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Instrument :

MSVOA_N

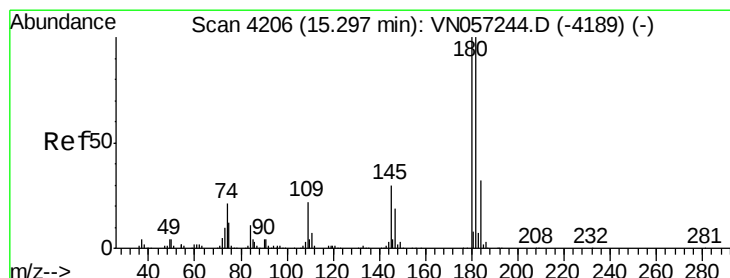
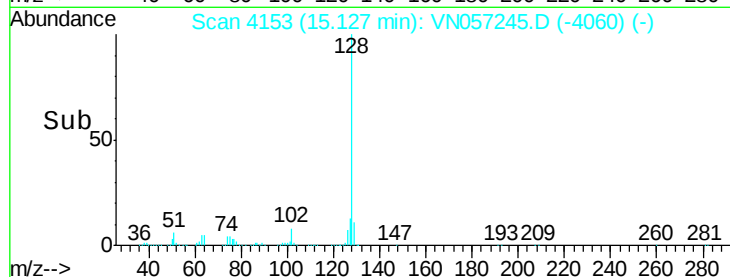
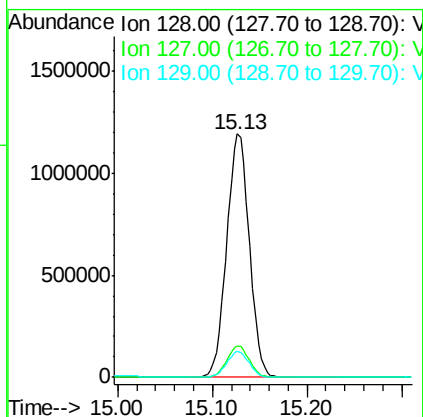
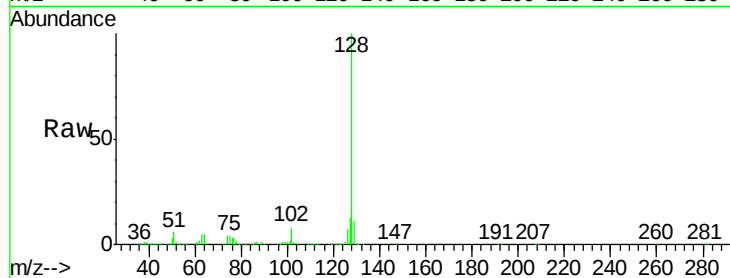
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	1979451
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 75.900 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057245.D

Acq: 13 Aug 2019 13:04

Tgt Ion:	180	Resp:	893710
Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.9	146.7
145	29.8	15.0	45.1

