

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057247.D
 Acq On : 13 Aug 2019 14:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 9:48:47 AM

Quant Time: Aug 22 09:31:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 22 09:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1258966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1819689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1652949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	658088	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	634407	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.58	113	583082	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.08	98	2257708	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.40	95	747810	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	506708	47.744	ug/l	100
3) Chloromethane	2.05	50	619912	51.523	ug/l	99
4) Vinyl Chloride	2.18	62	576517	49.329	ug/l	100
5) Bromomethane	2.54	94	439136m	52.250	ug/l	
6) Chloroethane	2.69	64	389283	50.657	ug/l	100
7) Trichlorofluoromethane	3.02	101	876959	47.691	ug/l	99
8) Diethyl Ether	3.40	74	331845	49.802	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	529863	47.988	ug/l	99
10) Methyl Iodide	3.95	142	871473	50.807	ug/l	99
11) Tert butyl alcohol	4.76	59	425995	249.076	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	525534	47.971	ug/l	98
13) Acrolein	3.60	56	309395	252.851	ug/l	99
14) Allyl chloride	4.32	41	824111	49.588	ug/l	99
15) Acrylonitrile	4.97	53	1233262	255.949	ug/l	99
16) Acetone	3.80	43	1069950	245.732	ug/l	100
17) Carbon Disulfide	4.05	76	1478487	49.373	ug/l	99
18) Methyl Acetate	4.31	43	560341	49.919	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1603274	49.010	ug/l	98
20) Methylene Chloride	4.54	84	608928	47.875	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	570481	48.849	ug/l	98
22) Diisopropyl ether	5.94	45	1623337	49.680	ug/l	99
23) Vinyl Acetate	5.88	43	6537698	252.487	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1007264	48.928	ug/l	100
25) 2-Butanone	6.82	43	1566519	253.052	ug/l	99
26) 2,2-Dichloropropane	6.82	77	827769	49.009	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	663187	49.245	ug/l	100
28) Bromochloromethane	7.19	49	450437	49.584	ug/l	98
29) Tetrahydrofuran	7.20	42	984645	248.811	ug/l	99
30) Chloroform	7.36	83	1024084	47.621	ug/l	97
31) Cyclohexane	7.65	56	860917	47.849	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	908210	49.929	ug/l	99
36) 1,1-Dichloropropene	7.79	75	784711	49.324	ug/l	99
37) Ethyl Acetate	6.91	43	622988	48.720	ug/l	99
38) Carbon Tetrachloride	7.77	117	813705	48.148	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	941332	49.975	ug/l	99
40) Benzene	8.04	78	2366055	48.954	ug/l	98
41) Methacrylonitrile	7.16	41	292024	54.526	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	750760	48.474	ug/l	99
43) Isopropyl Acetate	8.16	43	1058661	50.271	ug/l	100
44) Trichloroethene	8.83	130	677372	48.349	ug/l	100
45) 1,2-Dichloropropane	9.11	63	603015	49.248	ug/l	99
46) Dibromomethane	9.20	93	399819	48.429	ug/l	99
47) Bromodichloromethane	9.40	83	802833	50.439	ug/l	100
48) Methyl methacrylate	9.19	41	510799	52.420	ug/l	99
49) 1,4-Dioxane	9.19	88	213302	971.340	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3128821	253.016	ug/l	100
52) Toluene	10.15	92	1518010	50.556	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	885300	51.999	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	977490	50.943	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	579167	49.347	ug/l	98
56) Ethyl methacrylate	10.43	69	861674	52.330	ug/l	99
57) 1,3-Dichloropropane	10.70	76	951158	49.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1111131	232.411	ug/l	99
59) 2-Hexanone	10.75	43	2255233	257.037	ug/l	100
60) Dibromochloromethane	10.90	129	670566	50.949	ug/l	98
61) 1,2-Dibromoethane	11.00	107	616552	50.601	ug/l	99
64) Tetrachloroethene	10.63	164	680079	46.580	ug/l	98
65) Chlorobenzene	11.43	112	1661515	49.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	626411	47.958	ug/l	98
67) Ethyl Benzene	11.51	91	2874347	49.778	ug/l	99
68) m/p-Xylenes	11.62	106	2166001	100.536	ug/l	100
69) o-Xylene	11.95	106	1062188	50.354	ug/l	98
70) Styrene	11.96	104	1733916	53.090	ug/l	100
71) Bromoform	12.12	173	513076	51.264	ug/l	100
73) Isopropylbenzene	12.25	105	2838306	56.208	ug/l	98
74) N-amyl acetate	12.07	43	836363	54.156	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	794713	58.142	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	641412m	56.060	ug/l	
77) Bromobenzene	12.53	156	758478	55.616	ug/l	98
78) n-propylbenzene	12.59	91	2978125	53.944	ug/l	100
79) 2-Chlorotoluene	12.67	91	1822235	54.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2363416	55.095	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	255008	52.048	ug/l	99
82) 4-Chlorotoluene	12.77	91	1731546	48.245	ug/l	99
83) tert-Butylbenzene	12.99	119	2111436	55.717	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2253110	48.619	ug/l	100
85) sec-Butylbenzene	13.17	105	2611306	53.953	ug/l	99
86) p-Isopropyltoluene	13.29	119	2333773	48.226	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1129434	49.541	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1054119	47.538	ug/l	100
89) n-Butylbenzene	13.62	91	1747085	51.471	ug/l	100
90) Hexachloroethane	13.88	117	437340	54.378	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1066265	47.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	101029	45.959	ug/l	98

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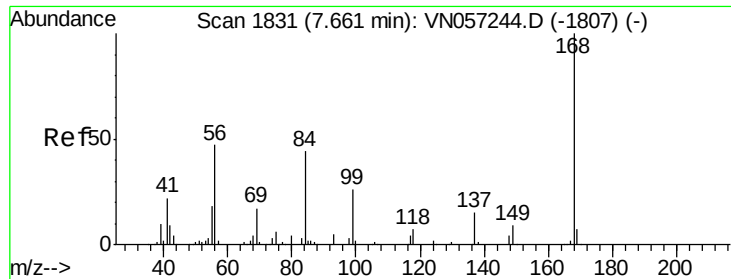
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	395667	45.957	ug/l	98
94) Hexachlorobutadiene	15.01	225	468831	55.789	ug/l	99
95) Naphthalene	15.13	128	709897	51.288	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	357725	46.313	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057247.D

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Instrument :

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ClientSampleId :

ICVVN081319

Tgt Ion:168 Resp: 1258966

Ion Ratio Lower Upper

168 100

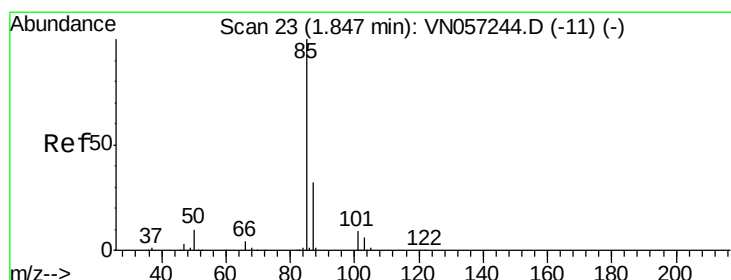
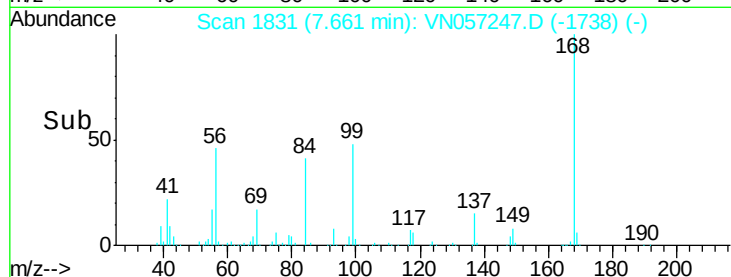
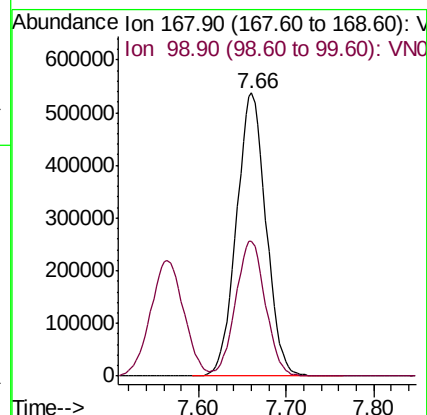
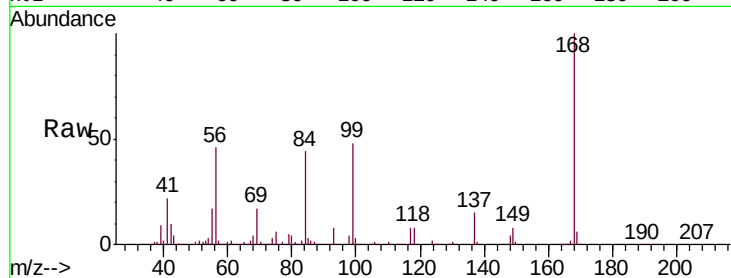
99 47.8 38.6 58.0

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#2

Dichlorodifluoromethane

Concen: 47.744 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057247.D

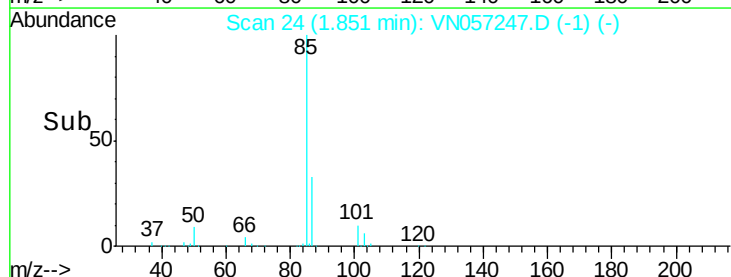
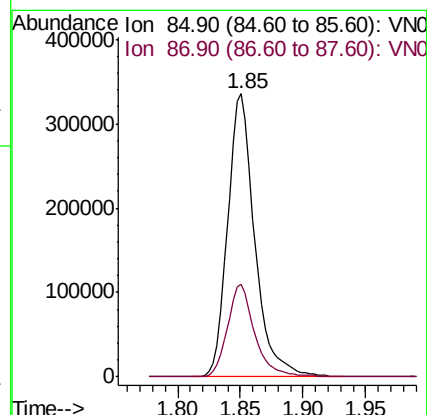
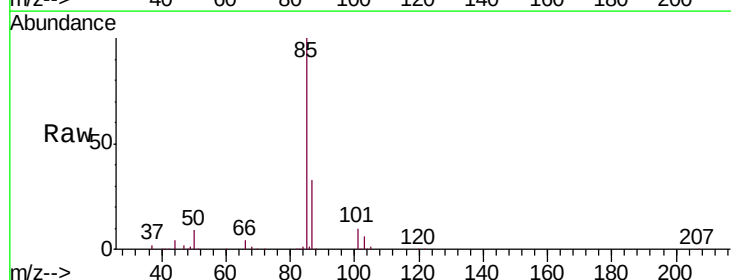
Acq: 13 Aug 2019 14:46

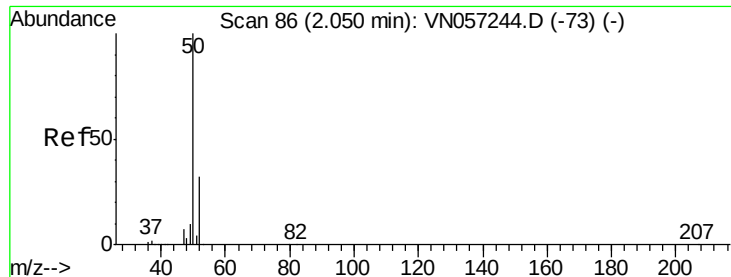
Tgt Ion: 85 Resp: 506708

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.6





#3

Chloromethane

Concen: 51.523 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 50 Resp: 619912

Ion Ratio Lower Upper

50 100

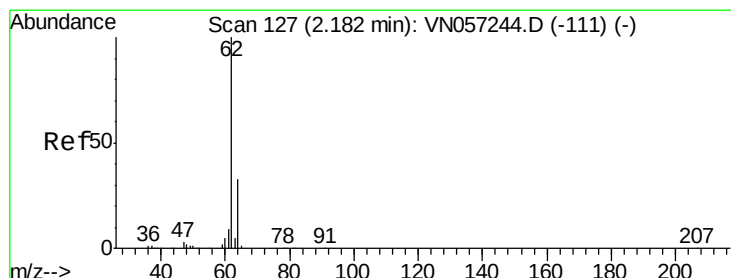
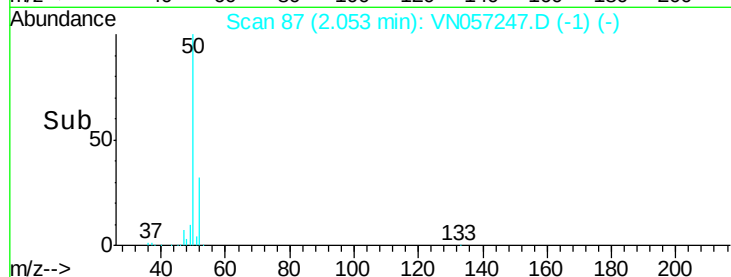
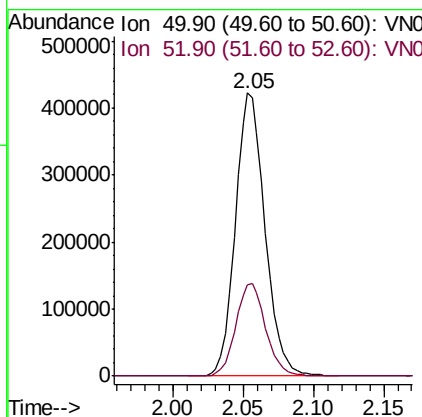
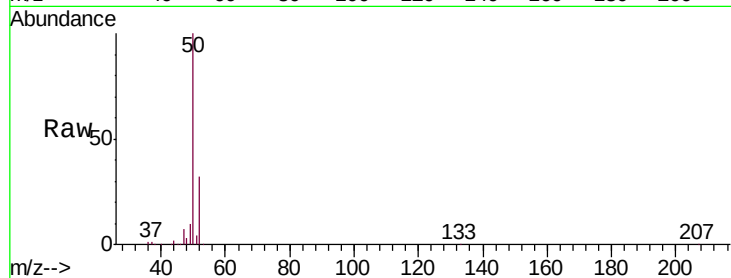
52 32.5 25.6 38.4

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#4

Vinyl Chloride

Concen: 49.329 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057247.D

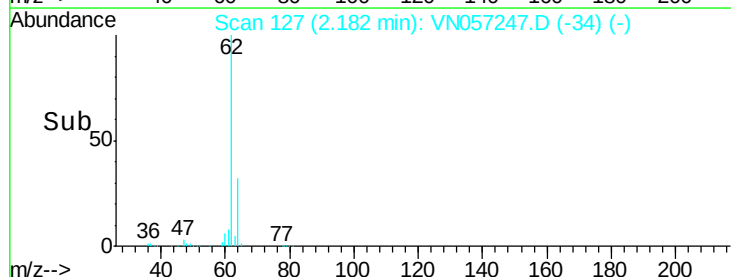
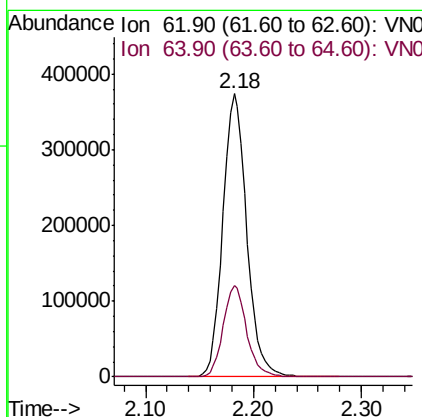
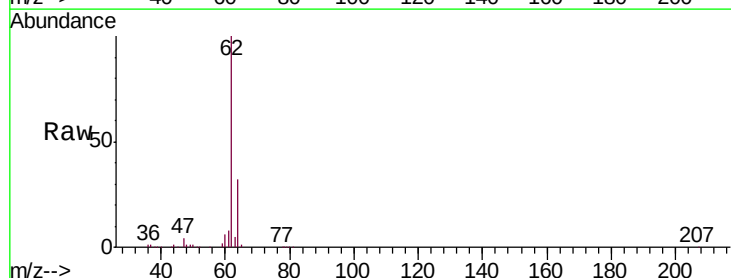
Acq: 13 Aug 2019 14:46

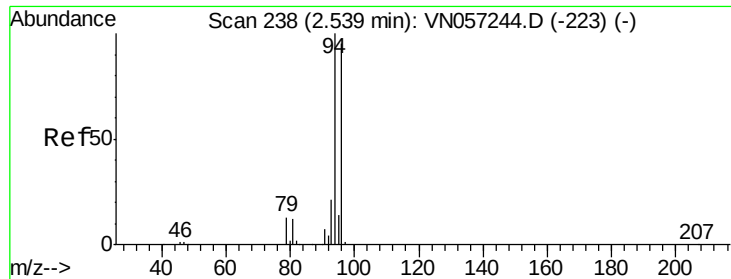
Tgt Ion: 62 Resp: 576517

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.2





#5

Bromomethane

Concen: 52.250 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

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Tgt Ion: 94 Resp: 439136

Ion Ratio Lower Upper

94 100

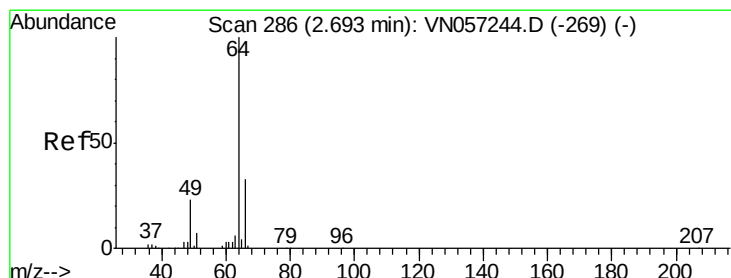
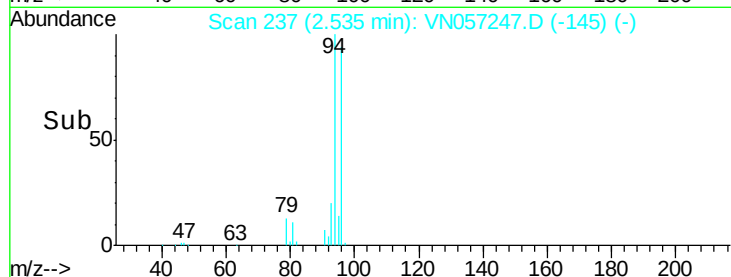
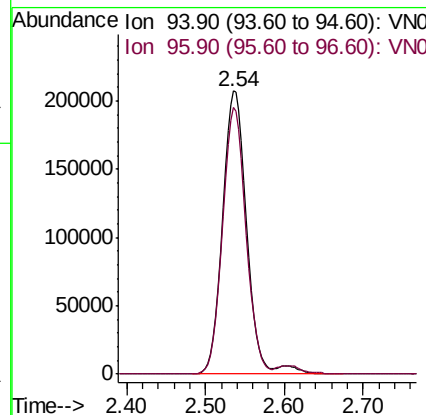
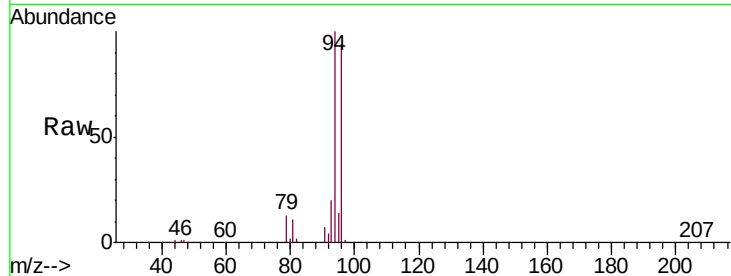
96 94.0 75.7 113.5

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#6

Chloroethane

Concen: 50.657 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057247.D

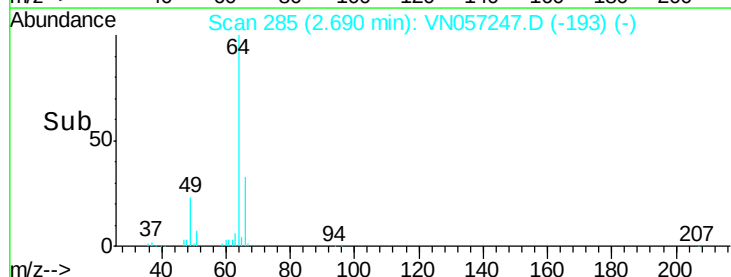
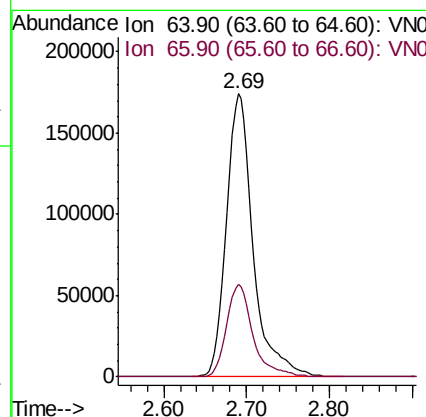
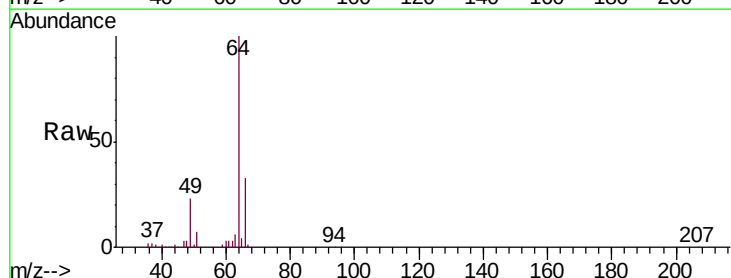
Acq: 13 Aug 2019 14:46

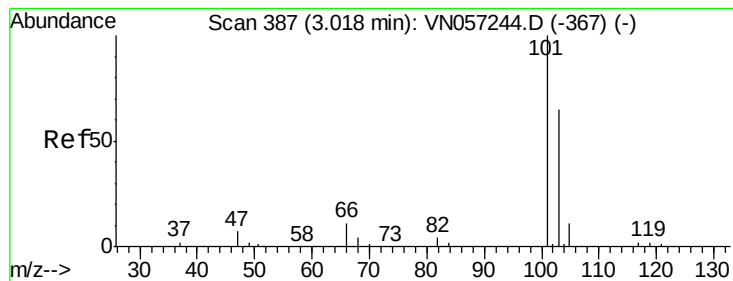
Tgt Ion: 64 Resp: 389283

Ion Ratio Lower Upper

64 100

66 32.7 26.3 39.5





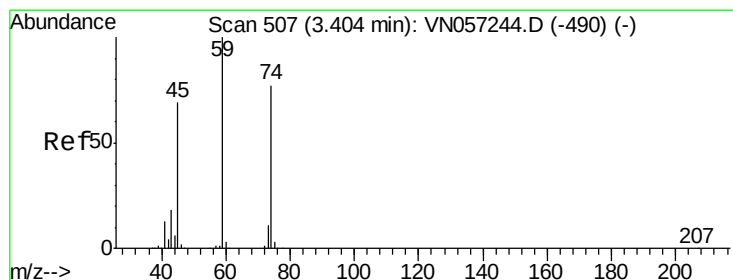
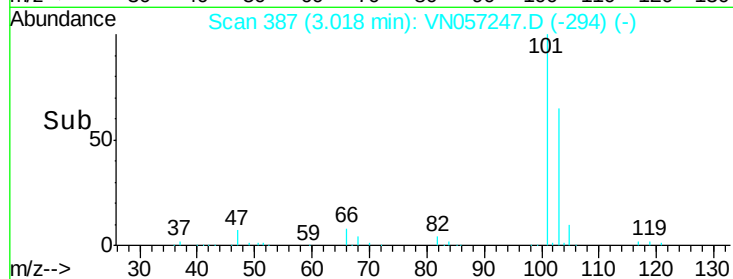
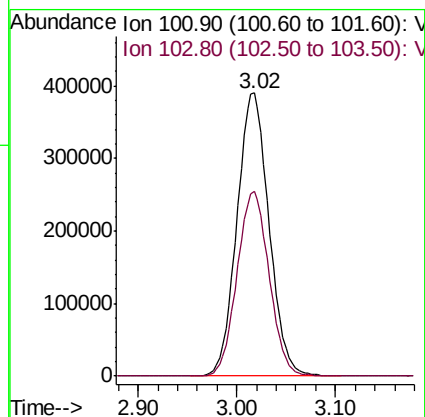
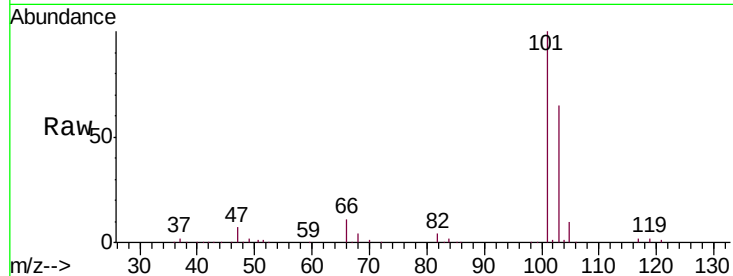
#7
 Trichlorofluoromethane
 Concen: 47.691 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
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 ClientSampleId :
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Tgt Ion: 101 Resp: 876959
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.6

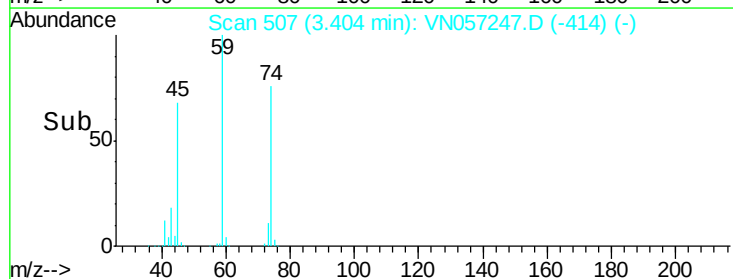
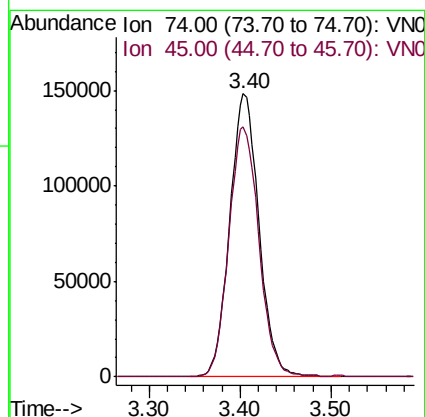
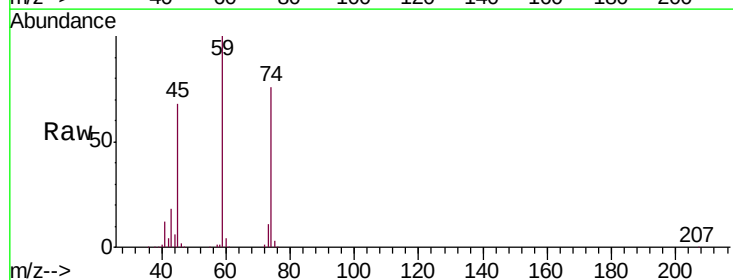
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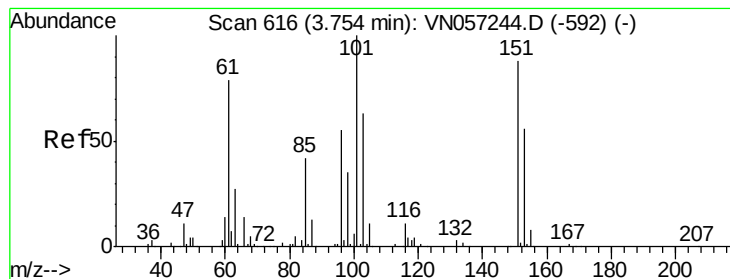
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#8
 Diethyl Ether
 Concen: 49.802 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion: 74 Resp: 331845
 Ion Ratio Lower Upper
 74 100
 45 91.1 45.1 135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.988 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

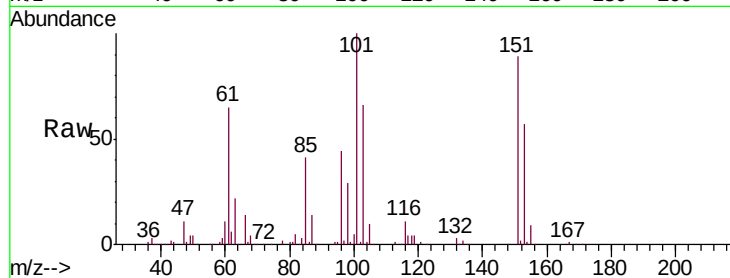
ClientSampleId :

ICVVN081319

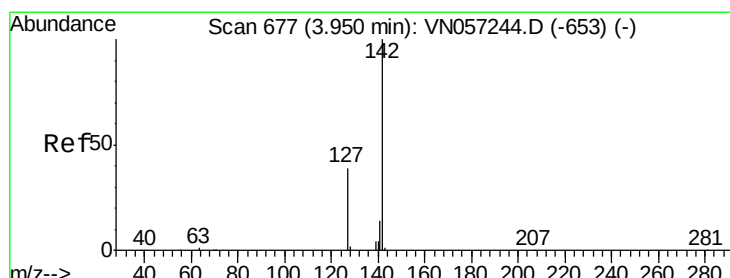
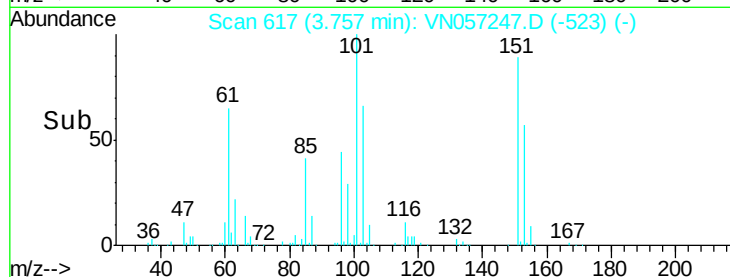
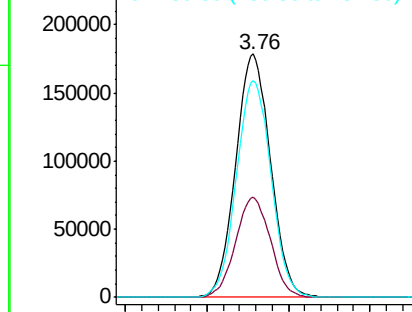
Tgt Ion:	101	Resp:	529863
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.7	49.1
151	88.8	70.1	105.1

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



#10

Methyl Iodide

Concen: 50.807 ug/l

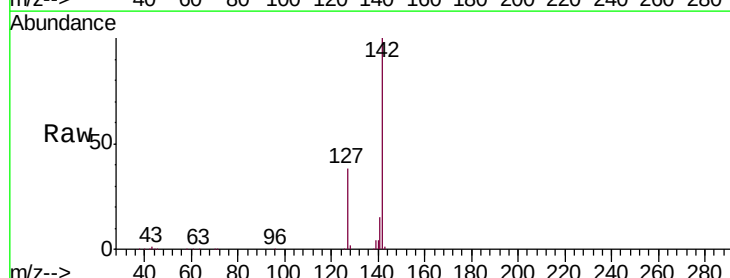
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

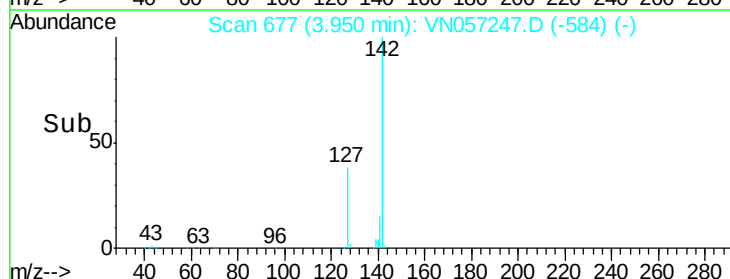
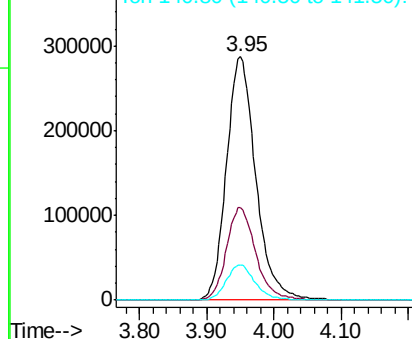
Lab File: VN057247.D

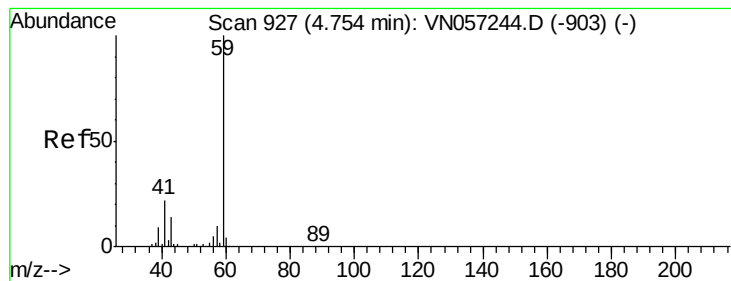
Acq: 13 Aug 2019 14:46

Tgt Ion:	142	Resp:	871473
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.7	46.1
141	14.3	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

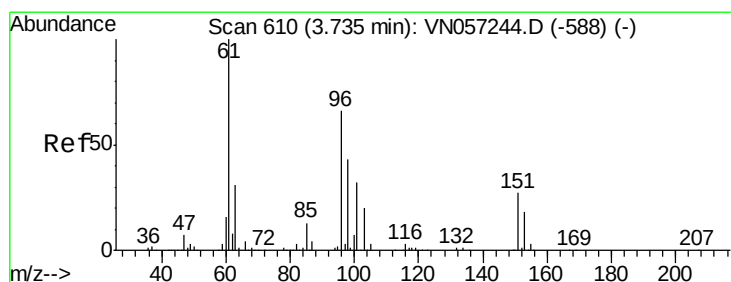
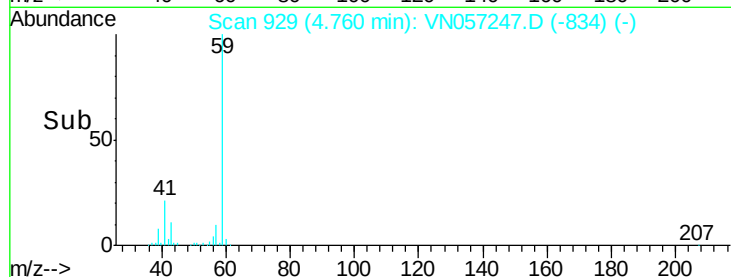
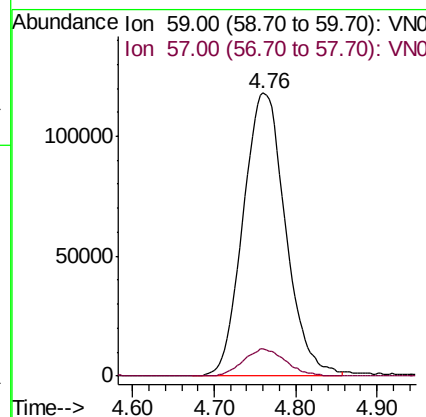
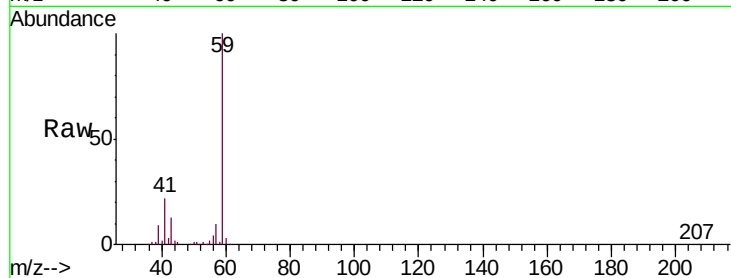
Tert butyl alcohol
Concen: 249.076 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	425995		
57	9.7		3.4	5.2#

Manual Integrations
APPROVED

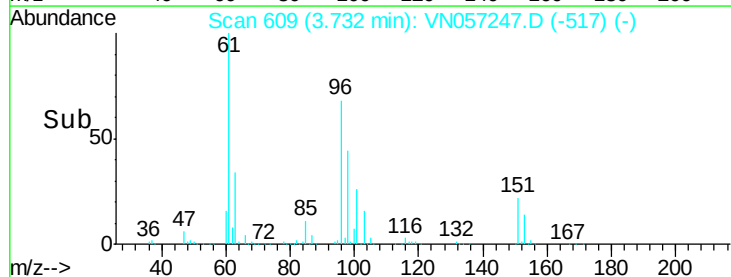
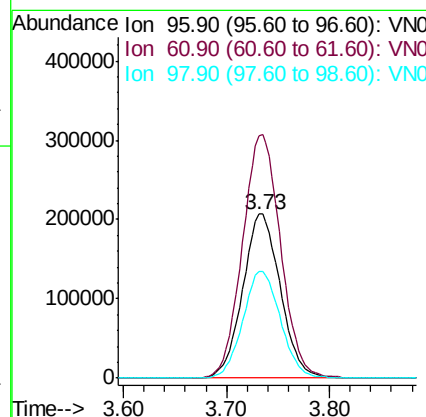
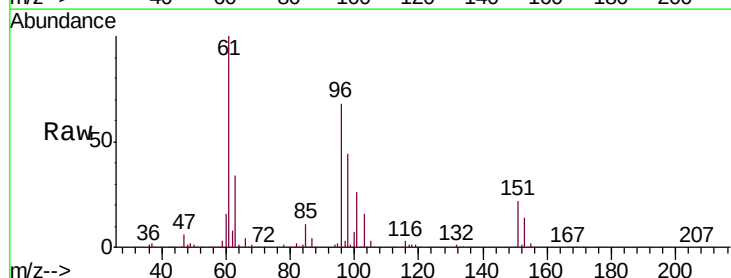
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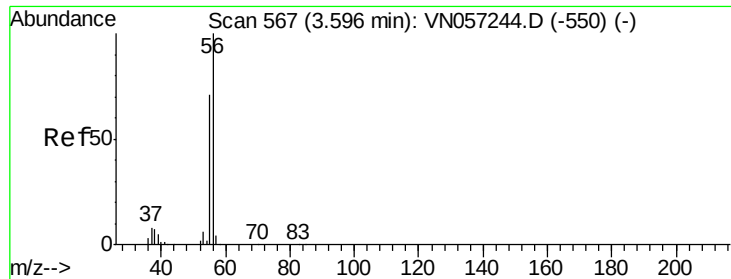


#12

1,1-Dichloroethene
Concen: 47.971 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	525534		
61	147.9		121.1	181.7
98	65.1		52.0	78.0





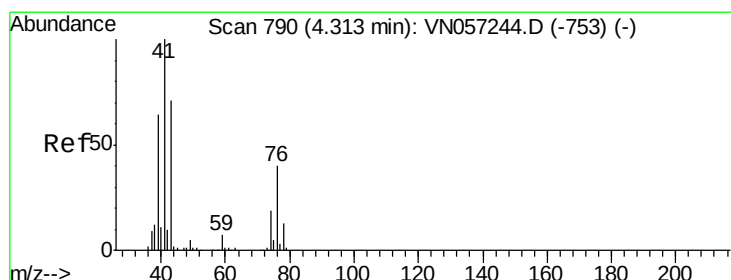
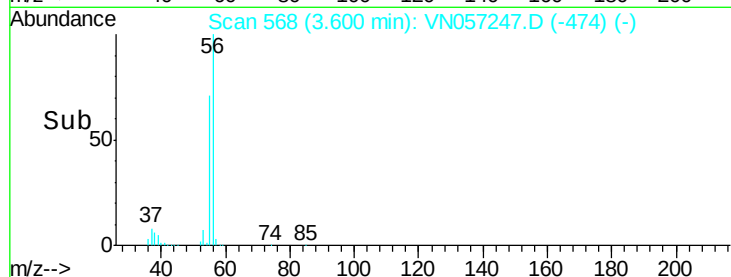
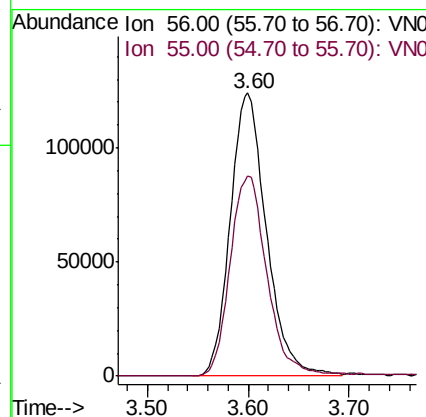
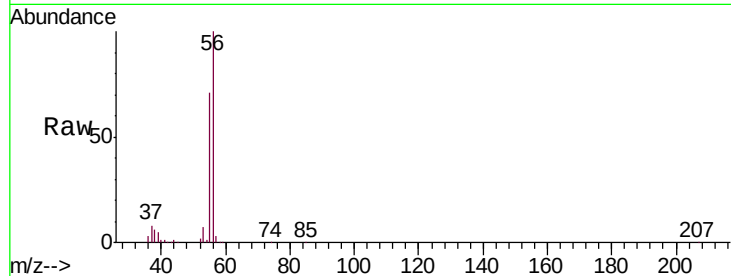
#13
Acrolein
Concen: 252.851 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampled :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.6	84.8

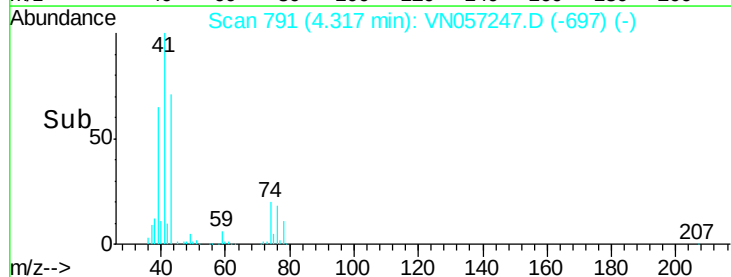
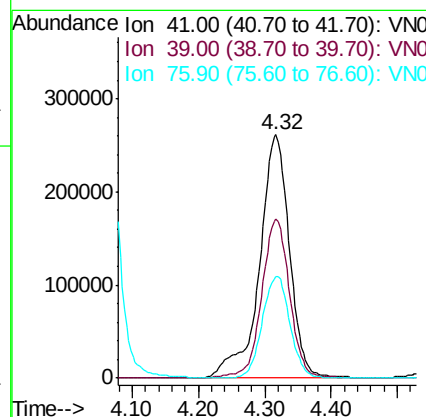
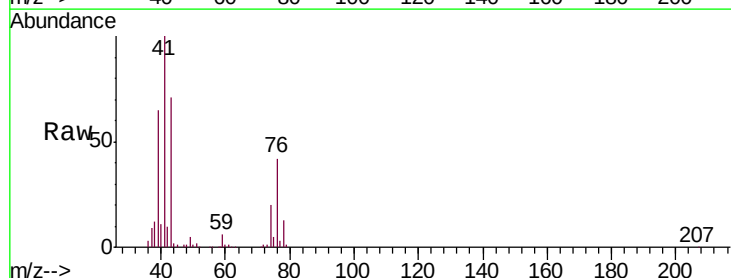
Manual Integrations
APPROVED

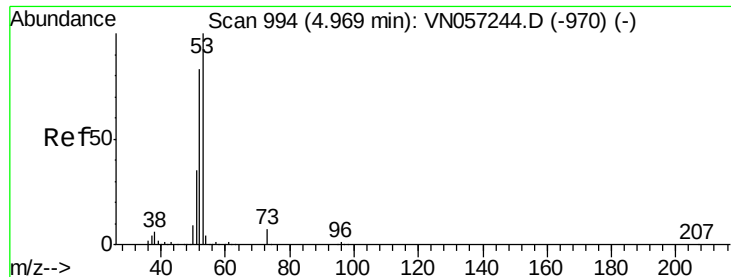
MMDadoda
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#14
Allyl chloride
Concen: 49.588 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.9	48.5	72.7
76	38.0	29.8	44.8





#15

Acrylonitrile

Concen: 255.949 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 53 Resp: 1233262

Ion Ratio Lower Upper

53 100

52 81.1 65.9 98.9

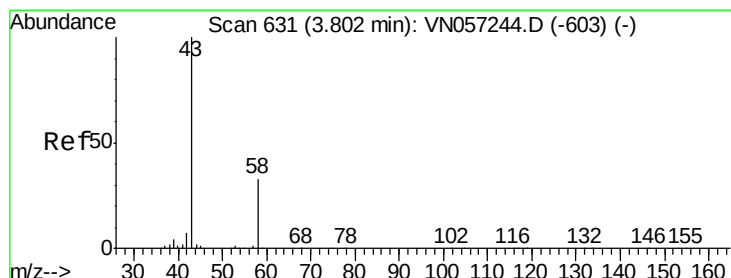
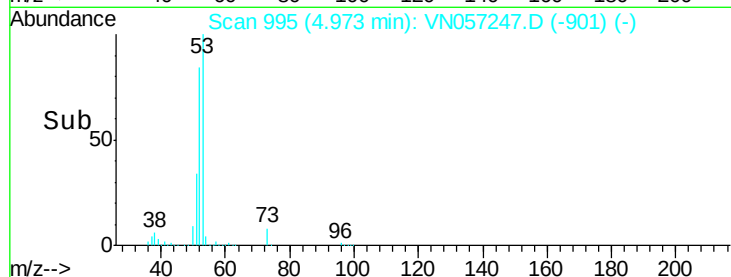
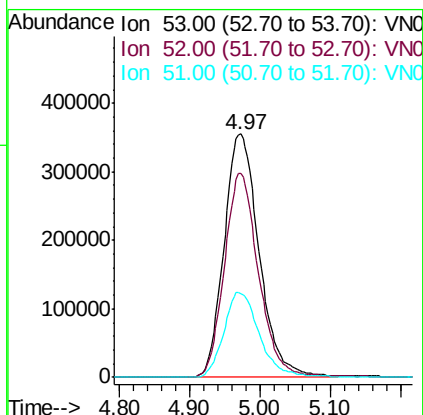
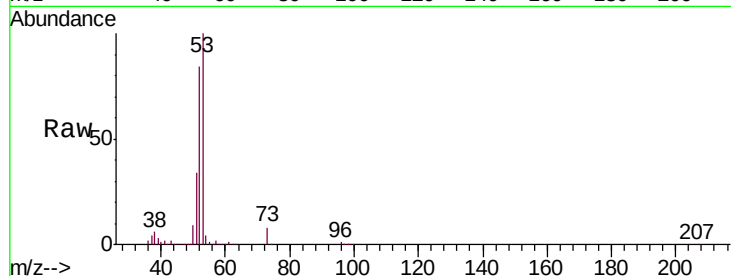
51 35.3 27.8 41.6

Manual Integrations

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#16

Acetone

Concen: 245.732 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057247.D

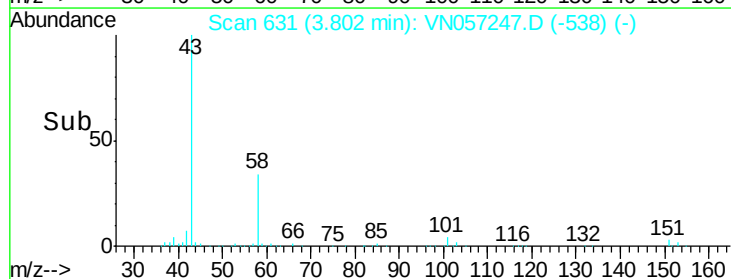
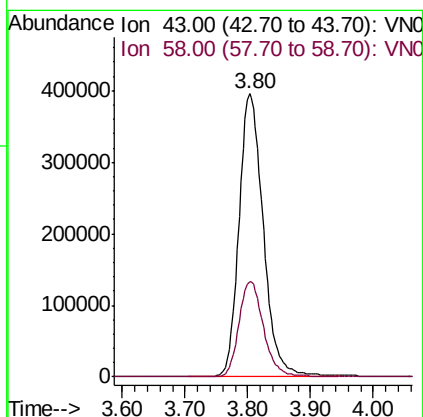
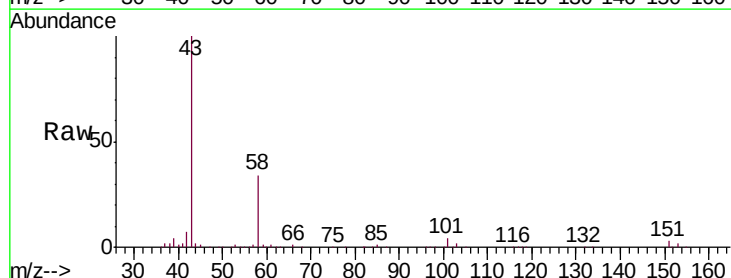
Acq: 13 Aug 2019 14:46

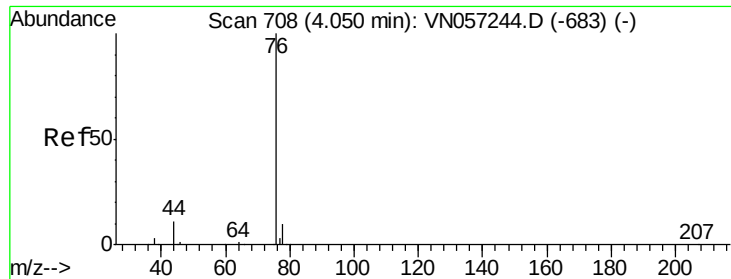
Tgt Ion: 43 Resp: 1069950

Ion Ratio Lower Upper

43 100

58 33.6 26.7 40.1





#17

Carbon Disulfide

Concen: 49.373 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 76 Resp: 1478487

Ion Ratio Lower Upper

76 100

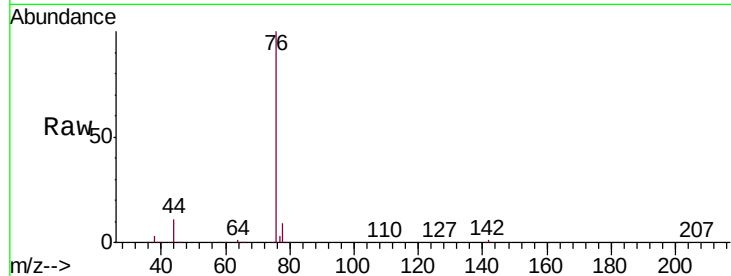
78 9.3 7.7 11.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN057247.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN057247.D (-615) (-)

4.05

600000

500000

400000

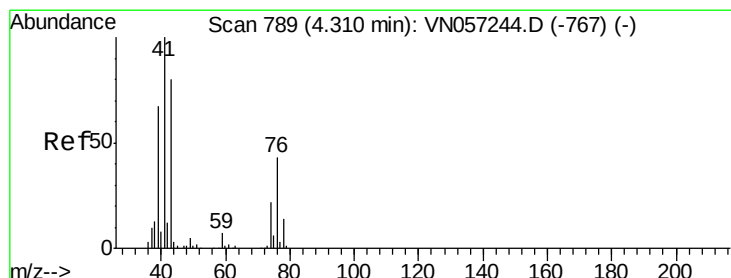
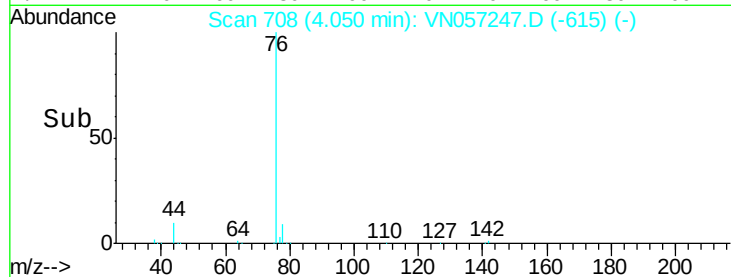
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.919 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057247.D

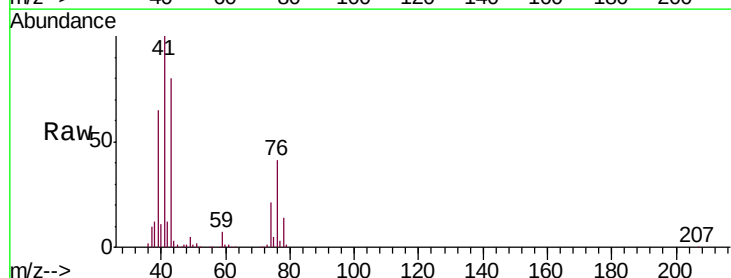
Acq: 13 Aug 2019 14:46

Tgt Ion: 43 Resp: 560341

Ion Ratio Lower Upper

43 100

74 26.3 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN057247.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN057247.D (-696) (-)

4.31

200000

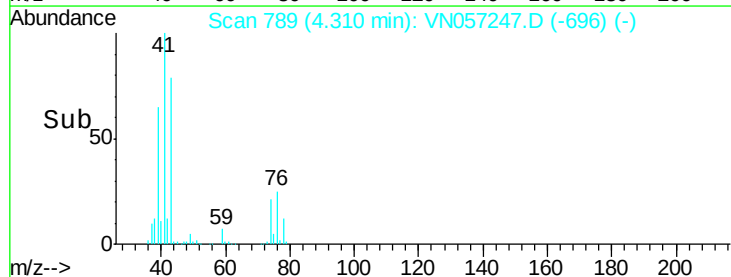
150000

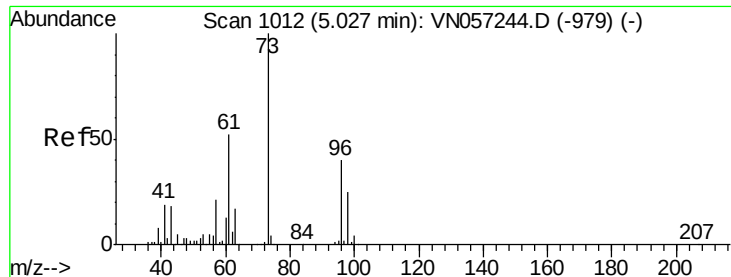
100000

50000

0

Time-->





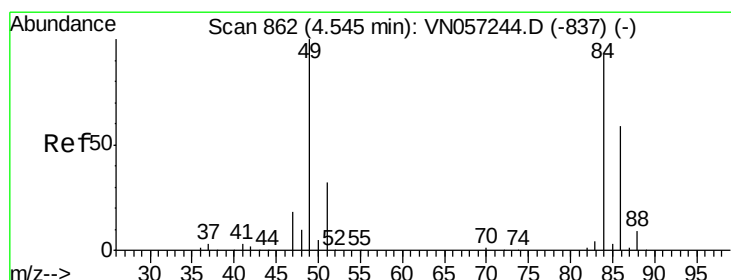
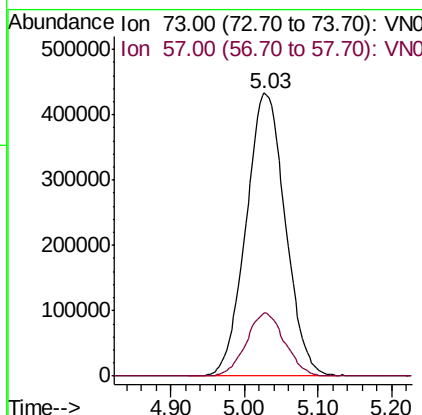
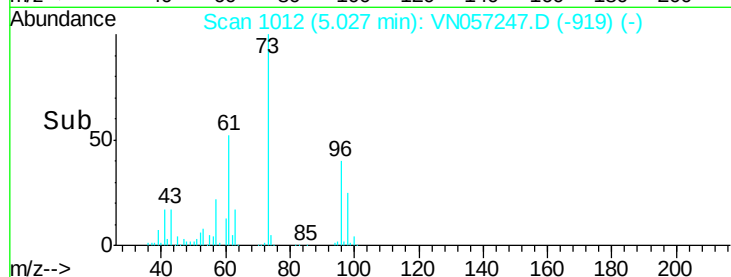
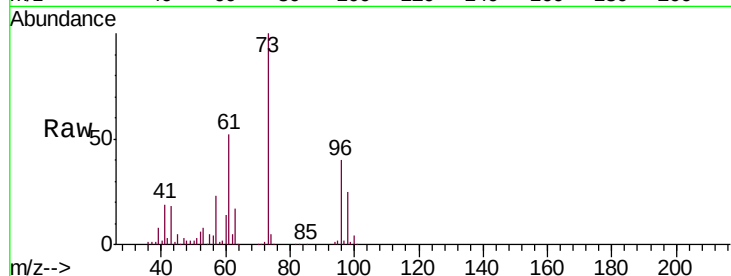
#19
Methyl tert-butyl Ether
Concen: 49.010 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion: 73 Resp: 1603274
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

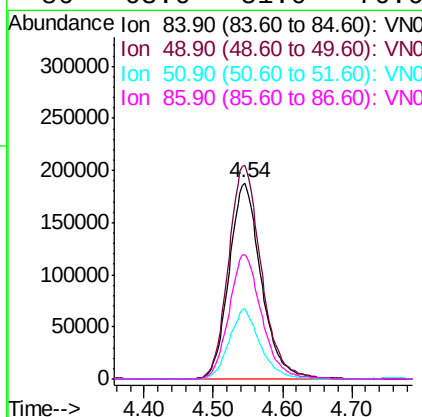
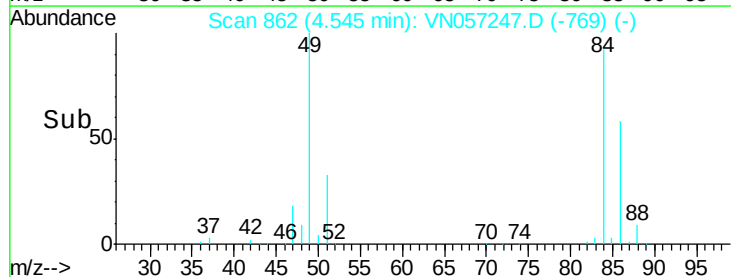
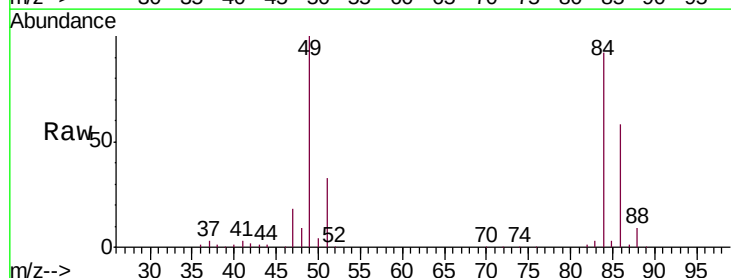
Manual Integrations
APPROVED

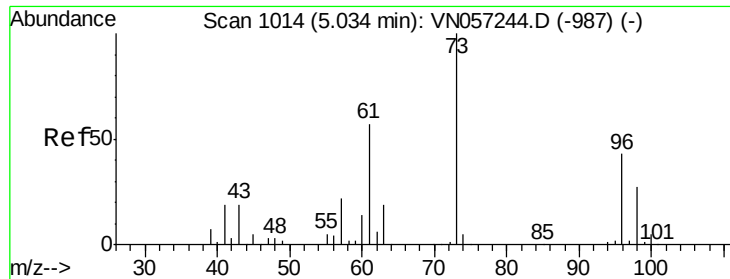
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#20
Methylene Chloride
Concen: 47.875 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion: 84 Resp: 608928
Ion Ratio Lower Upper
84 100
49 109.0 85.9 128.9
51 35.7 27.1 40.7
86 63.6 51.0 76.6





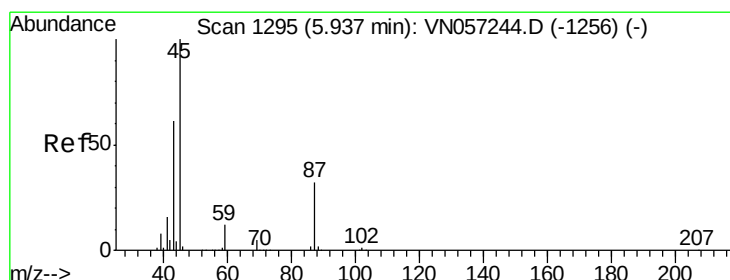
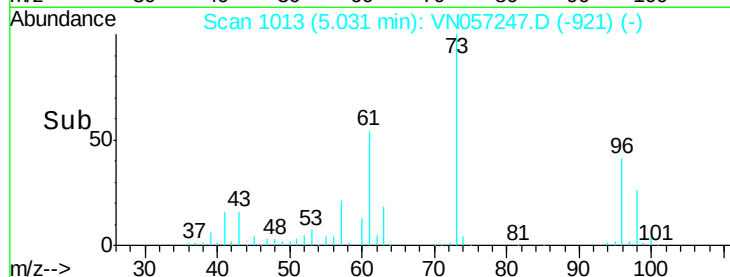
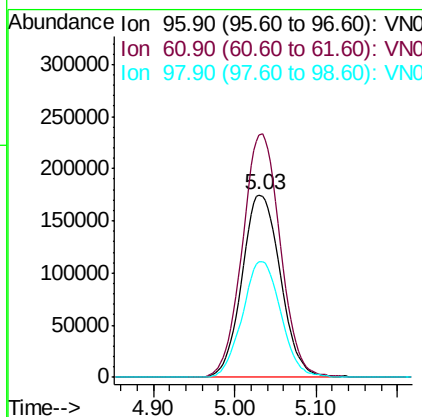
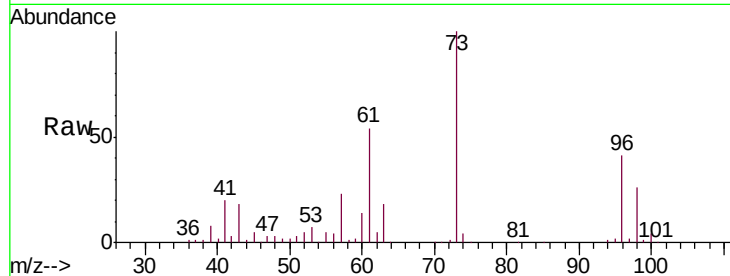
#21
trans-1,2-Dichloroethene
Concen: 48.849 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.8	104.6	156.8
98	63.3	49.7	74.5

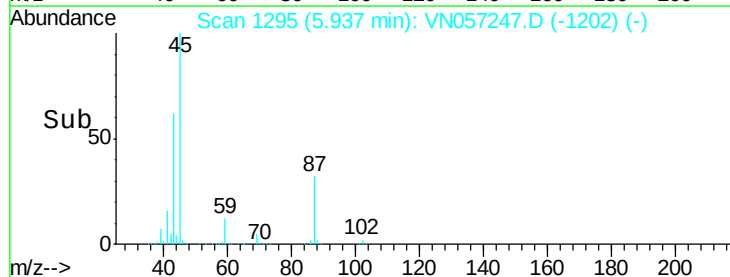
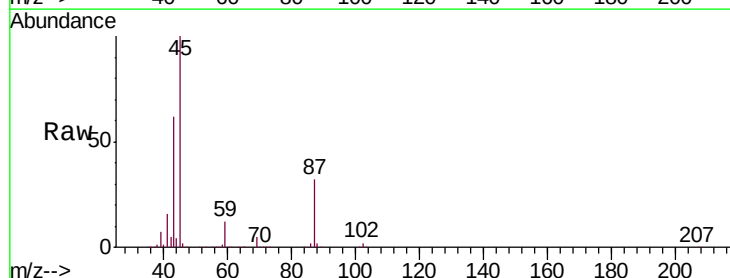
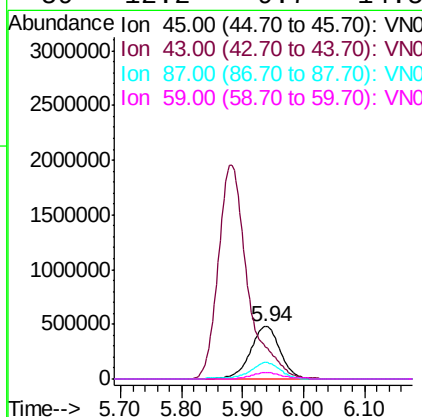
Manual Integrations
APPROVED

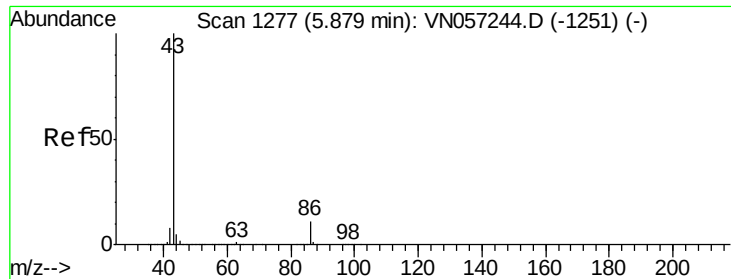
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#22
Diisopropyl ether
Concen: 49.680 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	48.9	73.3
87	31.7	25.5	38.3
59	12.2	9.7	14.5





#23

Vinyl Acetate

Concen: 252.487 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 43 Resp: 6537698

Ion Ratio Lower Upper

43 100

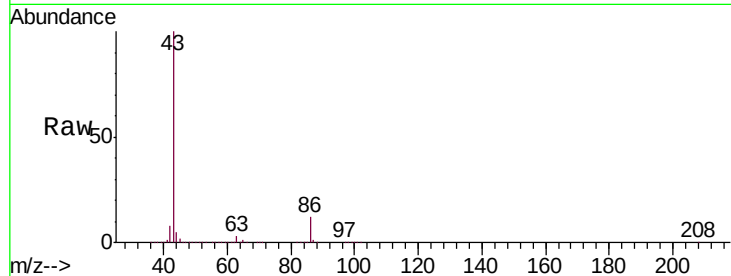
86 11.6 9.2 13.8

Manual Integrations

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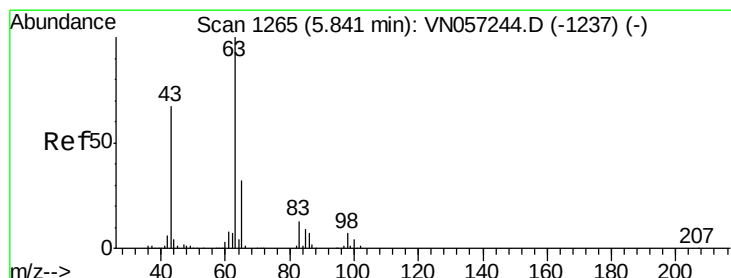
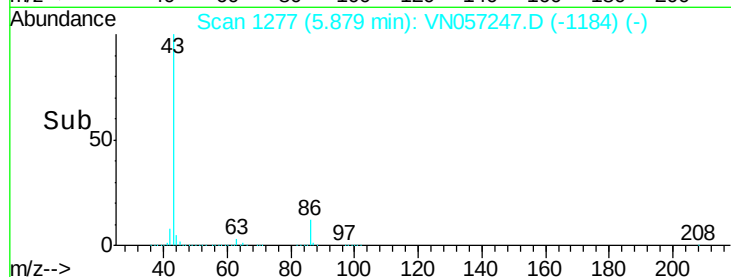
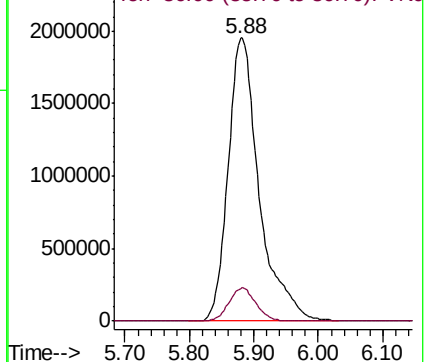
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.928 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

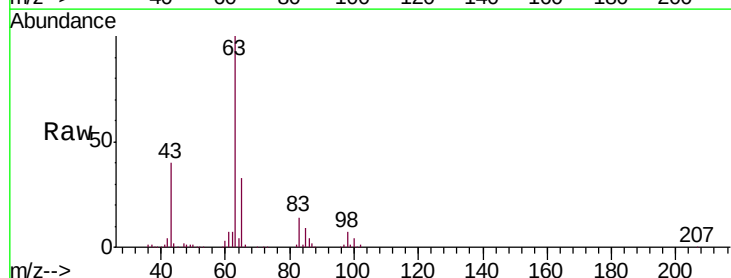
Tgt Ion: 63 Resp: 1007264

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

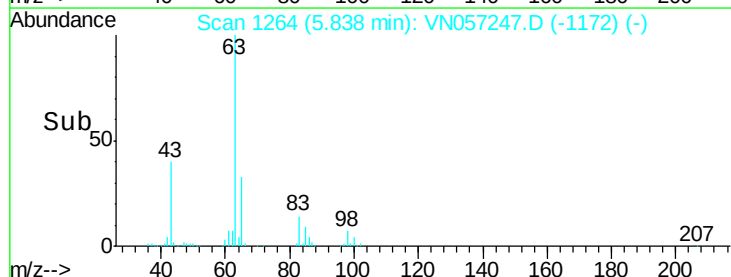
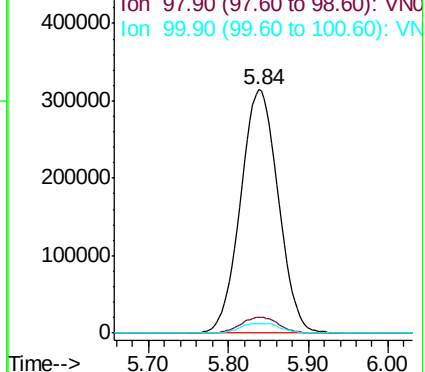
100 3.9 2.1 6.2

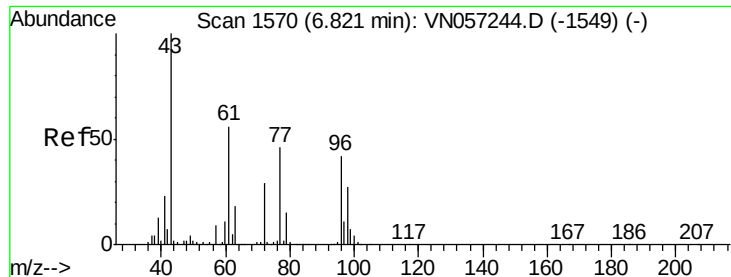


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 253.052 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 43 Resp: 1566519

Ion Ratio Lower Upper

43 100

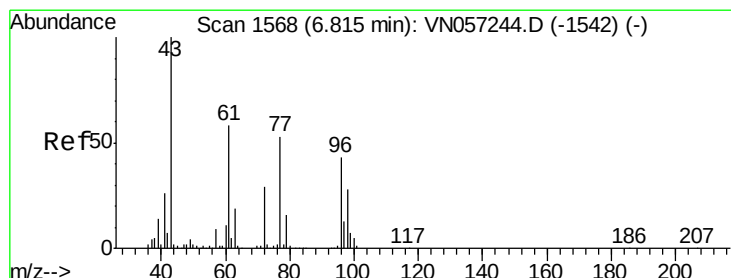
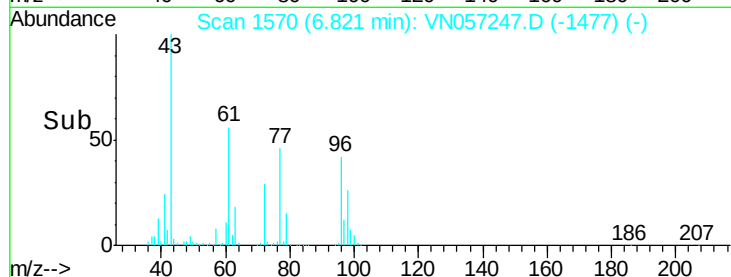
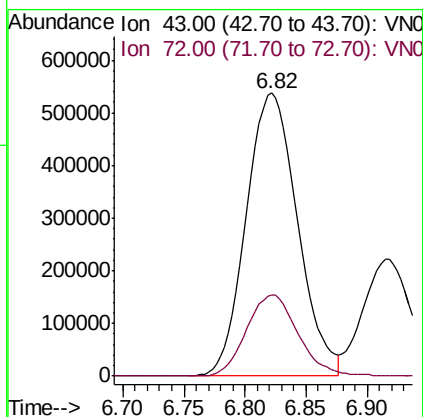
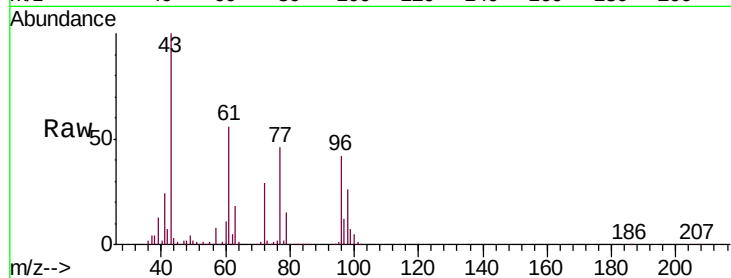
72 28.6 23.1 34.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.009 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057247.D

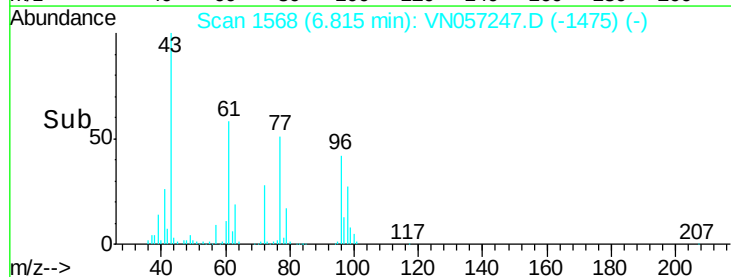
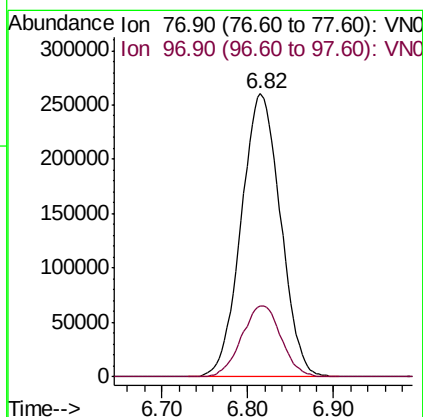
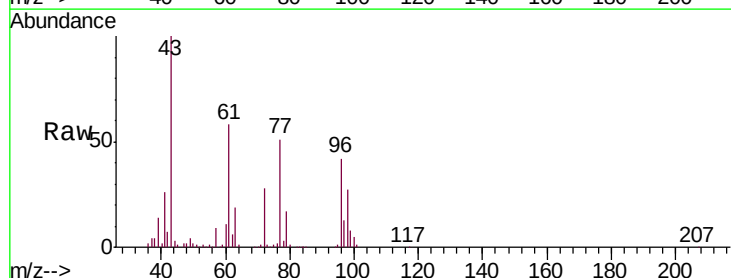
Acq: 13 Aug 2019 14:46

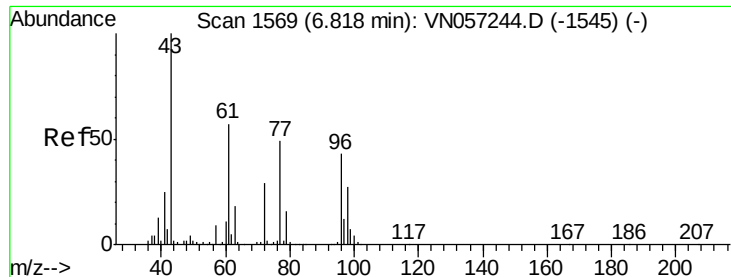
Tgt Ion: 77 Resp: 827769

Ion Ratio Lower Upper

77 100

97 25.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 49.245 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

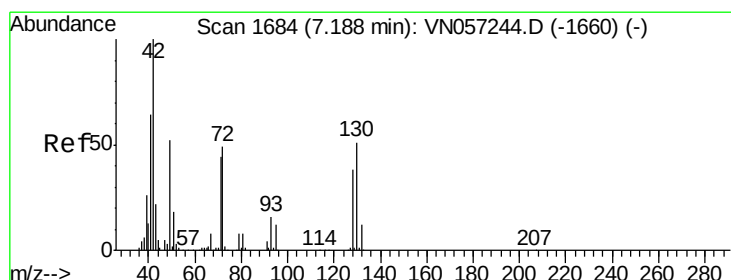
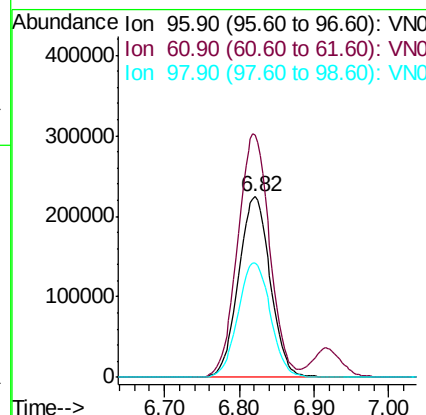
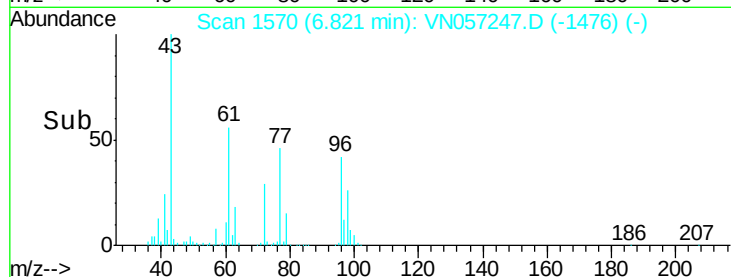
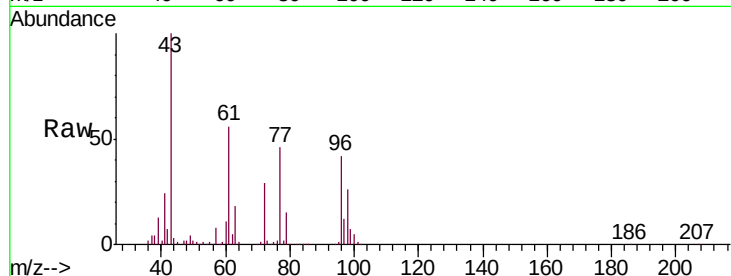
ClientSampleId :

ICVVN081319

Tgt Ion:	96	Resp:	663187
Ion Ratio	Lower	Upper	
96	100		
61	135.5	0.0	271.0
98	64.6	0.0	129.2

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#28

Bromochloromethane

Concen: 49.584 ug/l

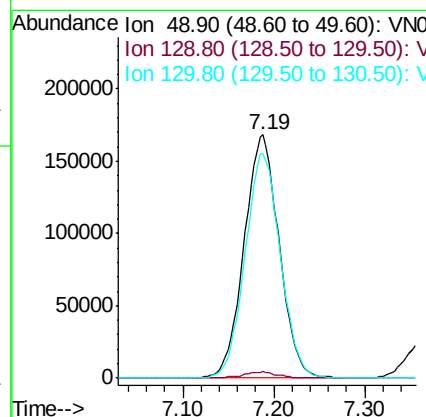
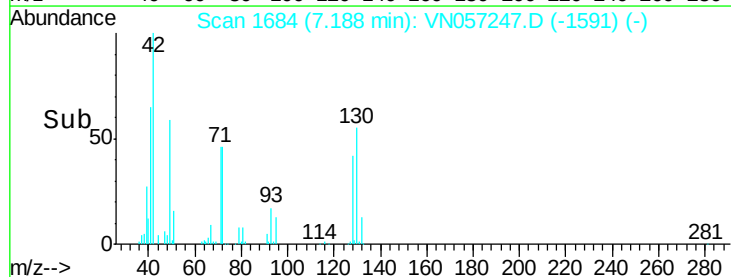
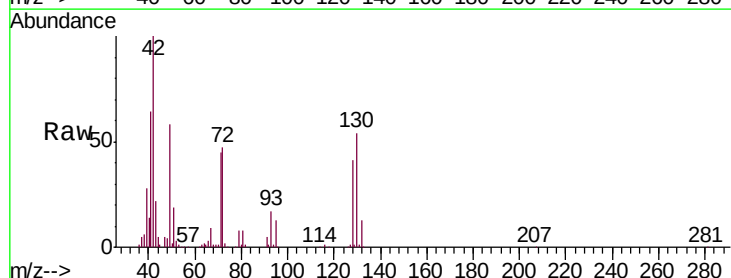
RT: 7.19 min Scan# 1684

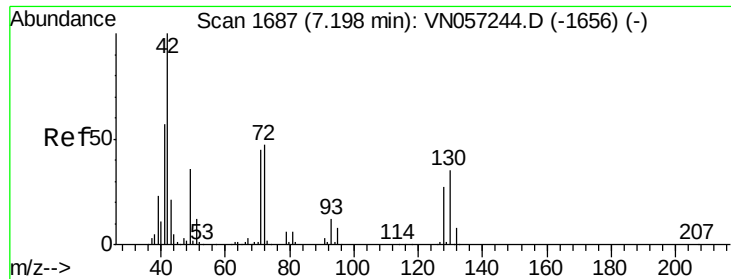
Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Tgt Ion:	49	Resp:	450437
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	3.0
130	92.7	75.6	113.4





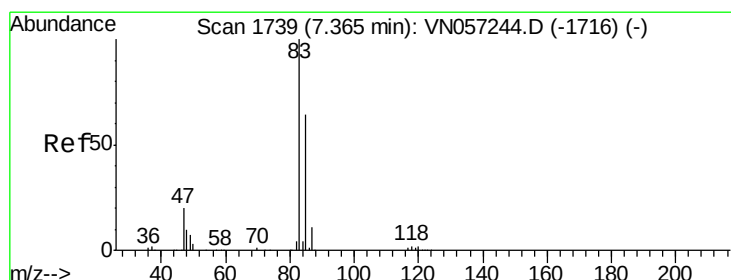
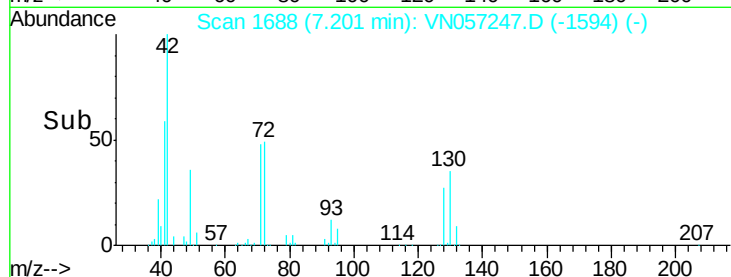
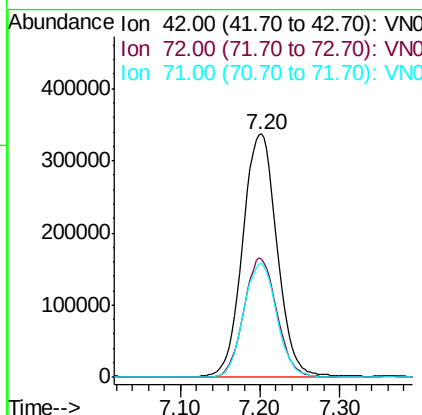
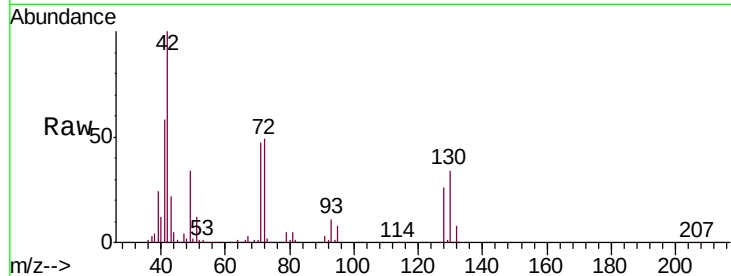
#29
Tetrahydrofuran
Concen: 248.811 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.6	56.4
71	45.1	35.6	53.4

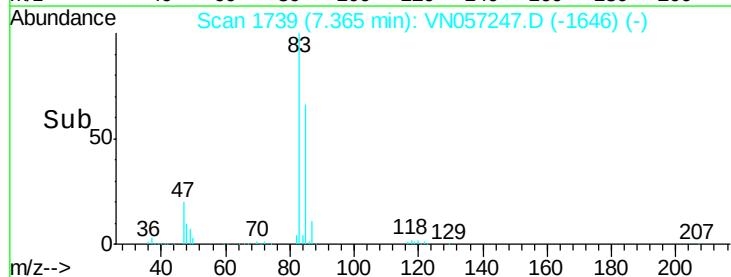
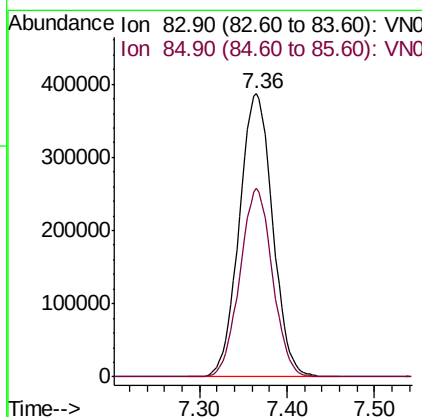
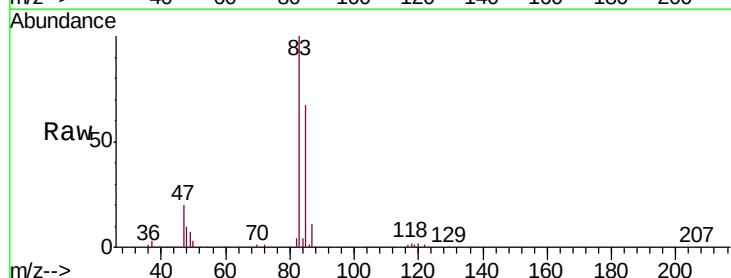
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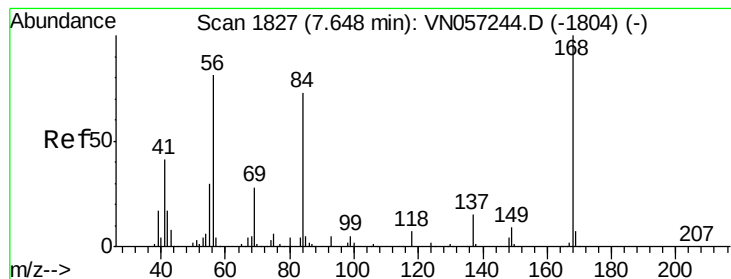
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#30
Chloroform
Concen: 47.621 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.3	76.9





#31

Cyclohexane

Concen: 47.849 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

ICVVN081319

Tgt Ion: 56 Resp: 860917
Ion Ratio Lower Upper

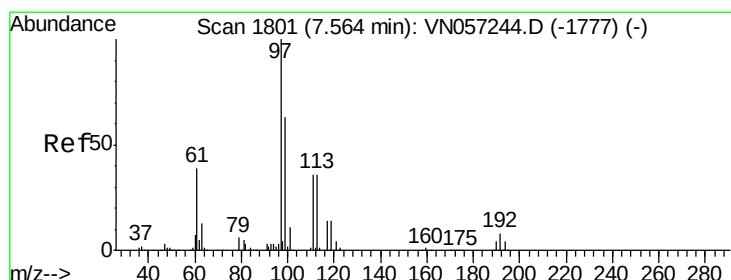
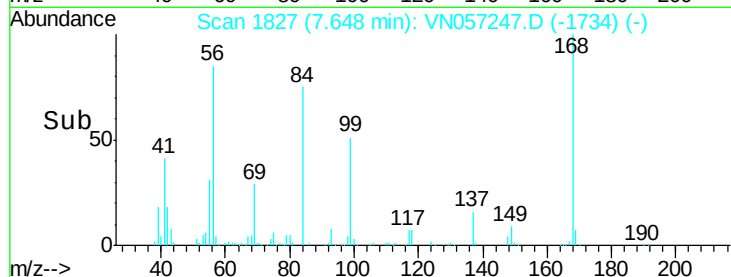
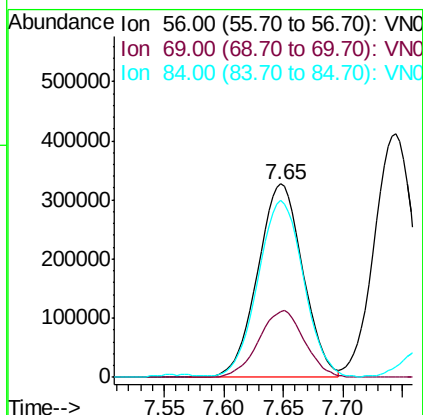
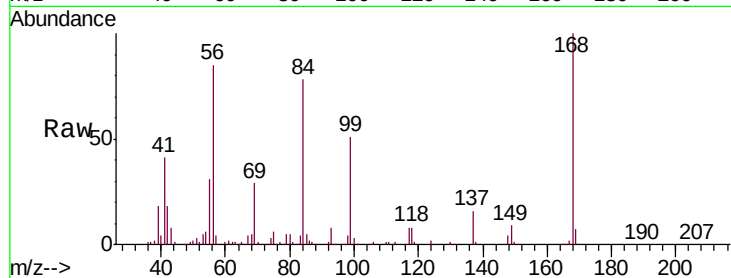
56 100

69 34.0 27.8 41.8

84 90.2 72.0 108.0

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#32

1,1,1-Trichloroethane

Concen: 49.929 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057247.D

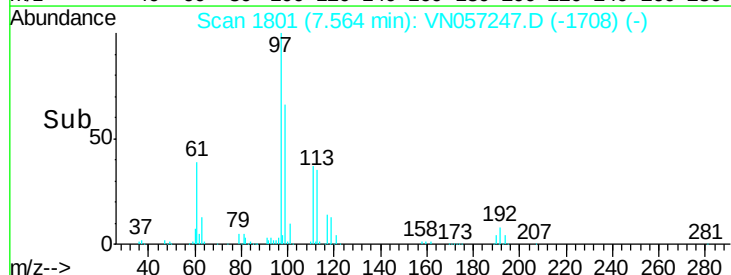
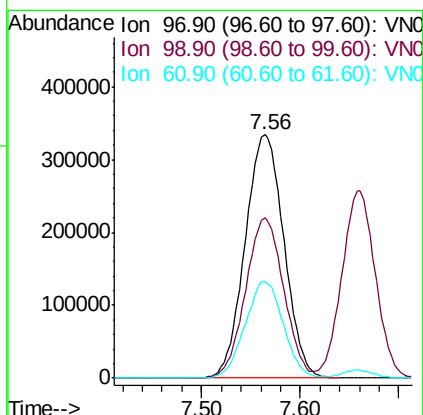
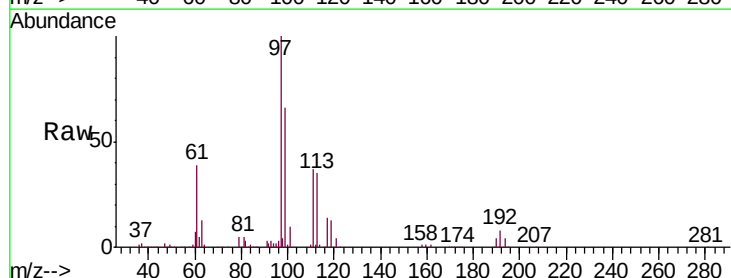
Acq: 13 Aug 2019 14:46

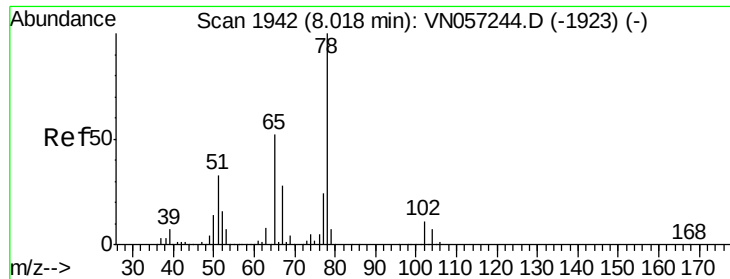
Tgt Ion: 97 Resp: 908210
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 39.2 32.1 48.1





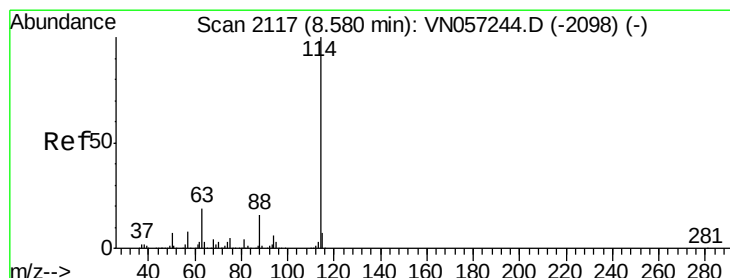
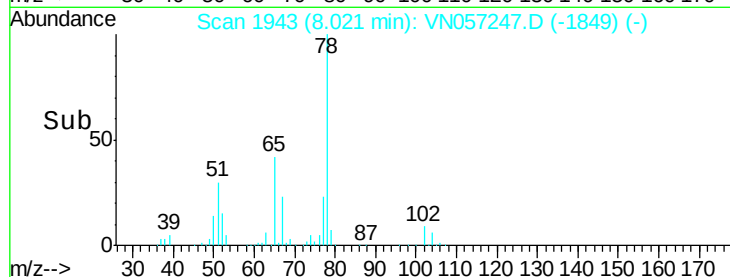
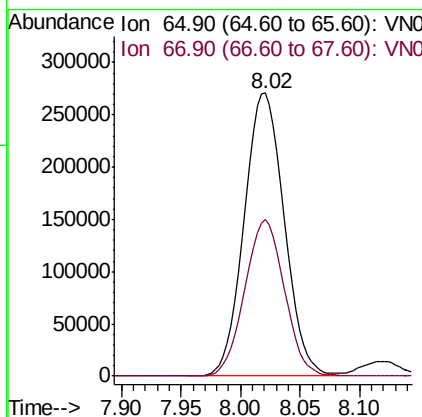
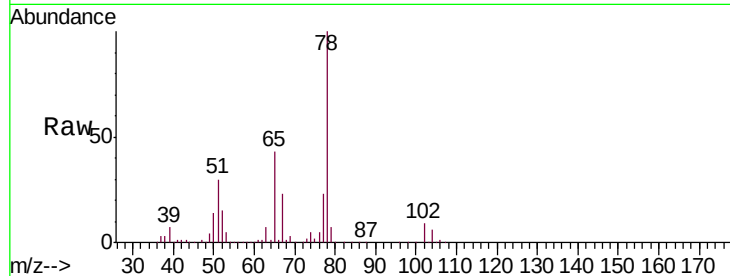
#33
 1,2-Dichloroethane-d4
 Concen: 49.953 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	634407		
67	54.6	0.0	107.0	

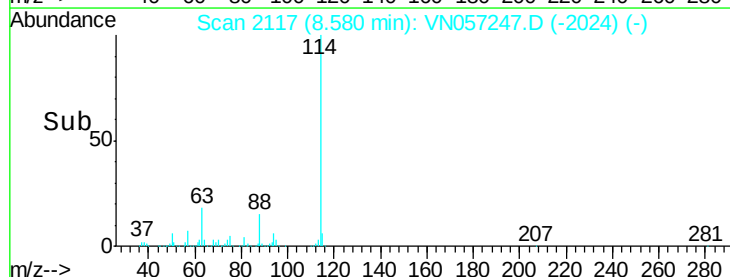
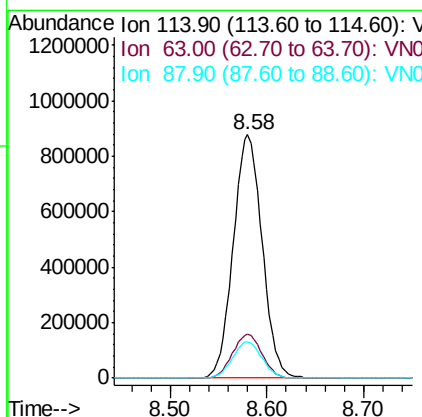
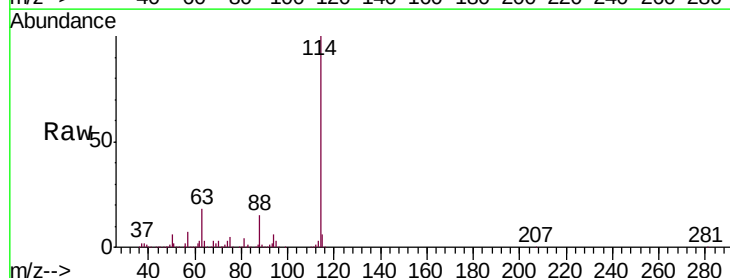
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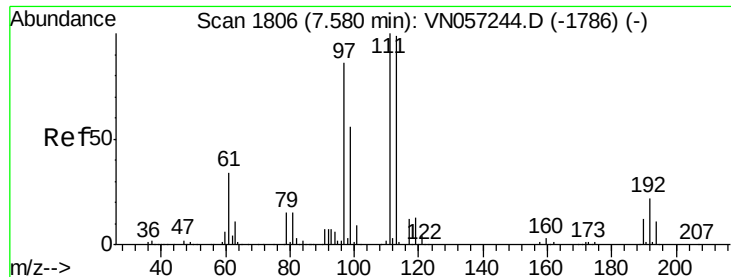
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1819689		
63	17.8	0.0	37.0	
88	15.1	0.0	31.0	





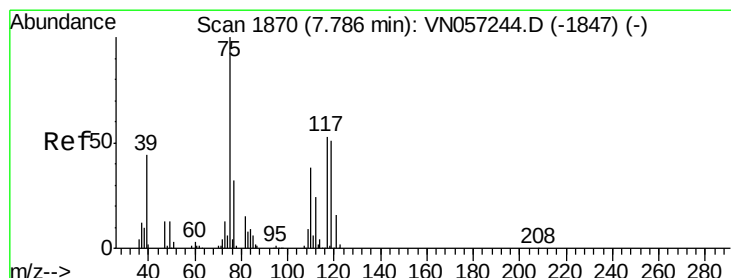
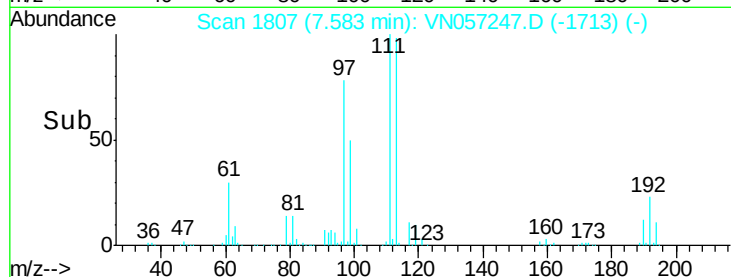
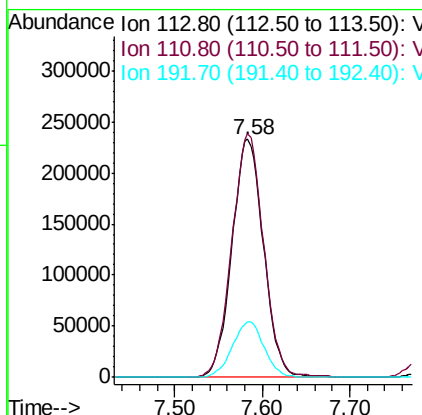
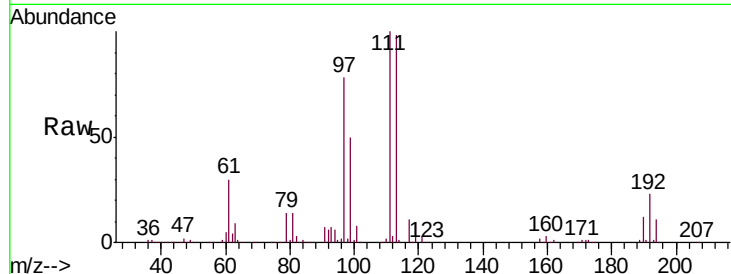
#35
 Dibromofluoromethane
 Concen: 50.183 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	583082		
111	103.1	81.4	122.2	
192	23.7	18.8	28.2	

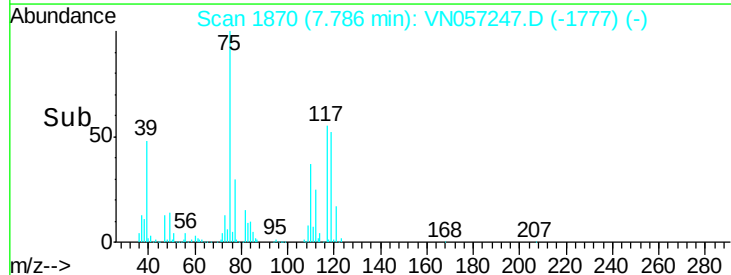
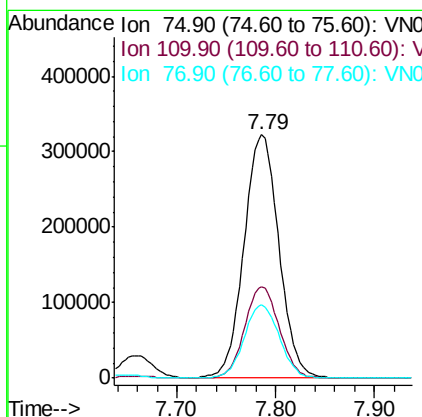
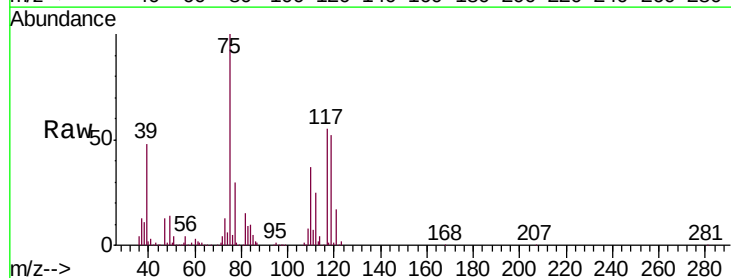
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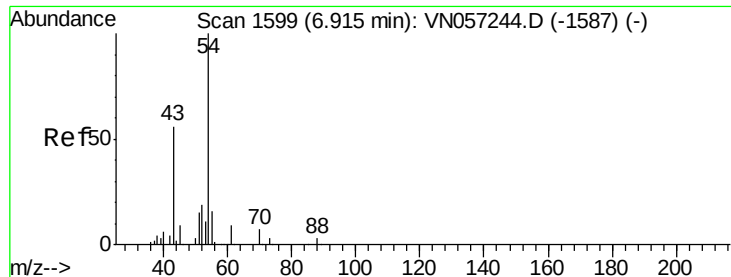
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.324 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	784711		
110	37.3	19.1	57.1	
77	30.7	25.2	37.8	





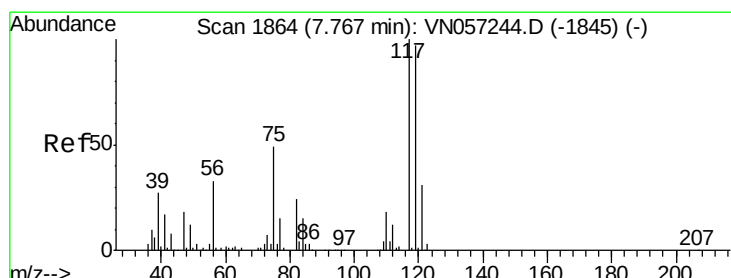
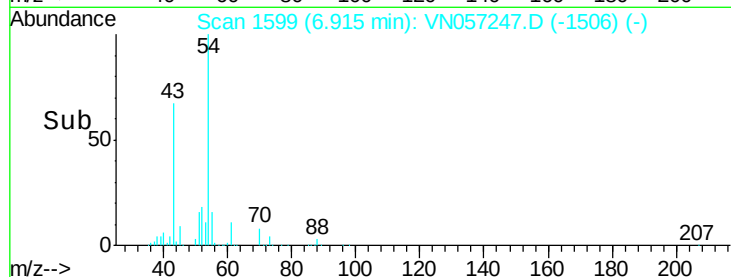
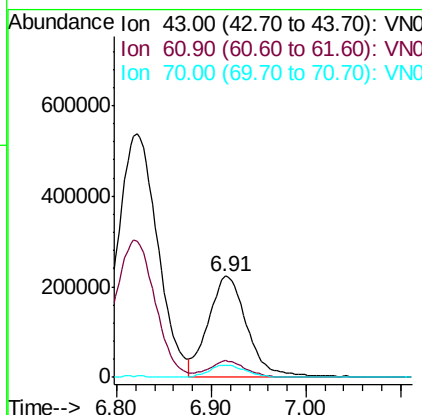
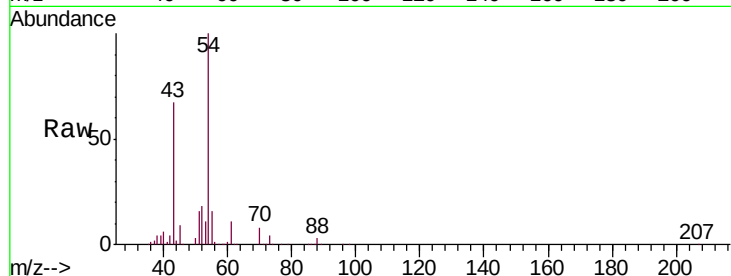
#37
Ethyl Acetate
Concen: 48.720 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.7	19.1
70	11.6	9.0	13.4

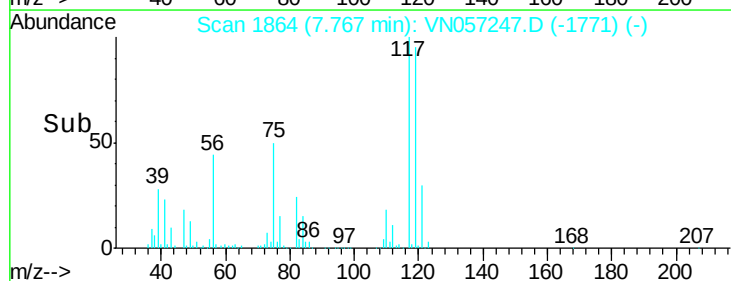
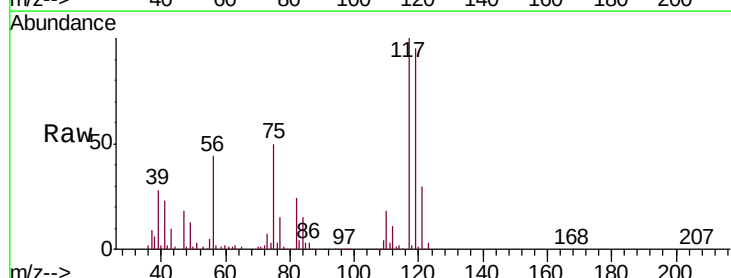
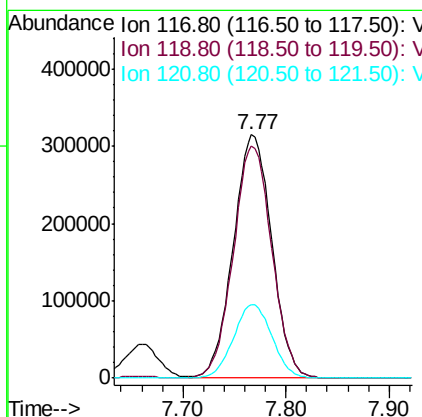
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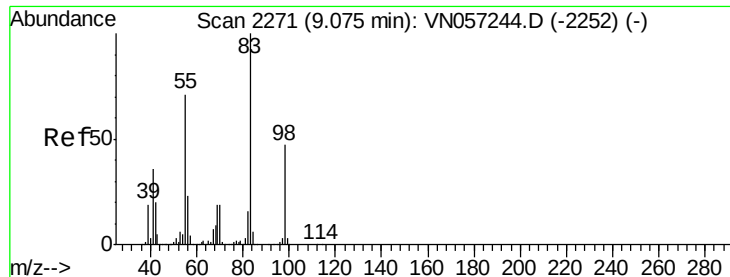
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#38
Carbon Tetrachloride
Concen: 48.148 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.8	116.6
121	30.3	24.9	37.3





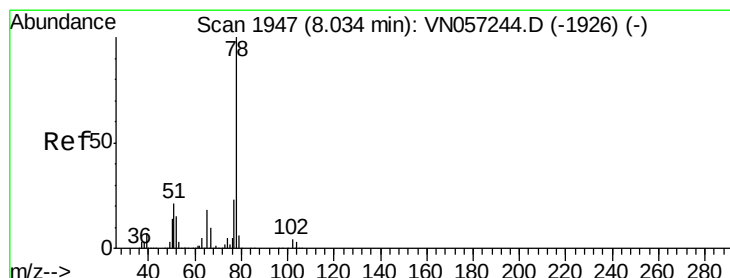
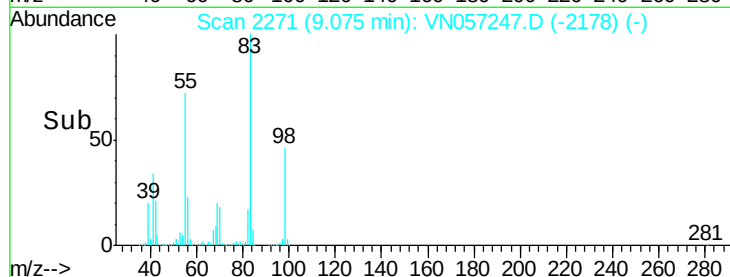
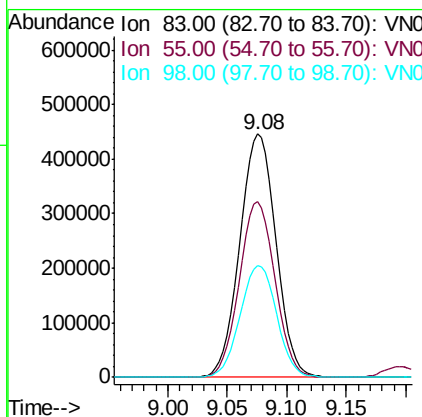
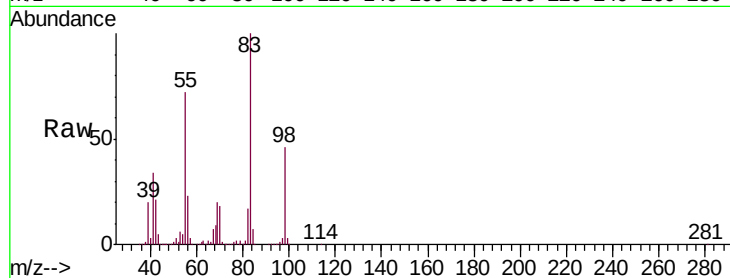
#39
Methylcyclohexane
Concen: 49.975 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.1	57.0	85.4
98	45.9	37.2	55.8

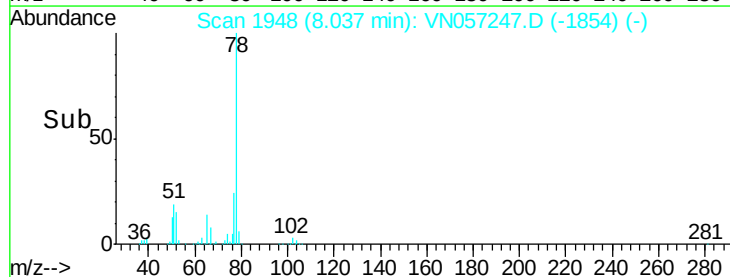
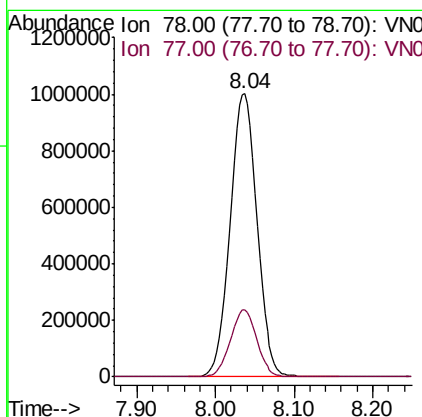
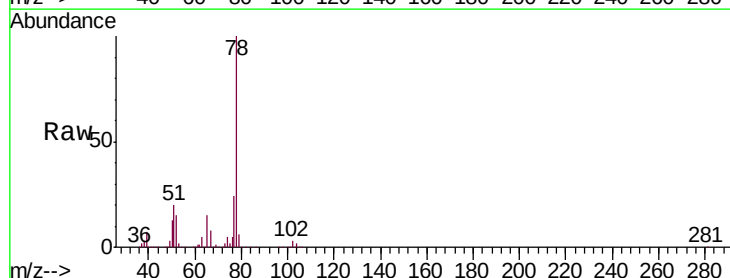
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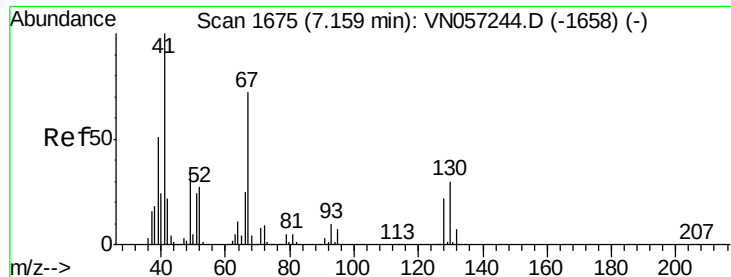
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#40
Benzene
Concen: 48.954 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.4





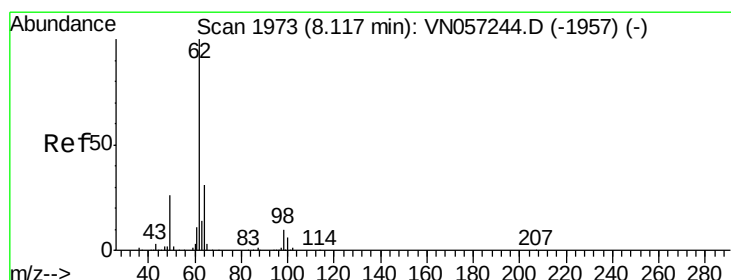
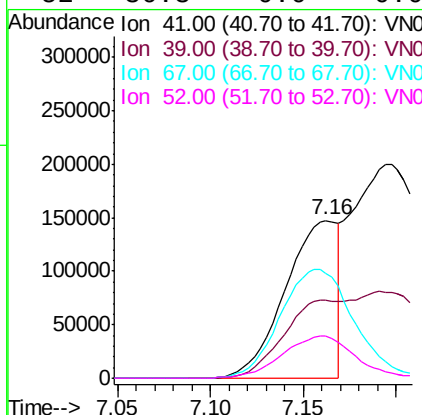
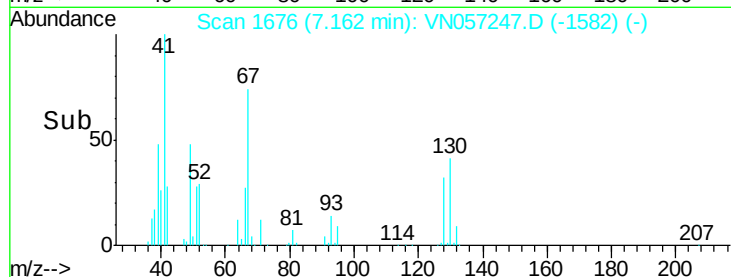
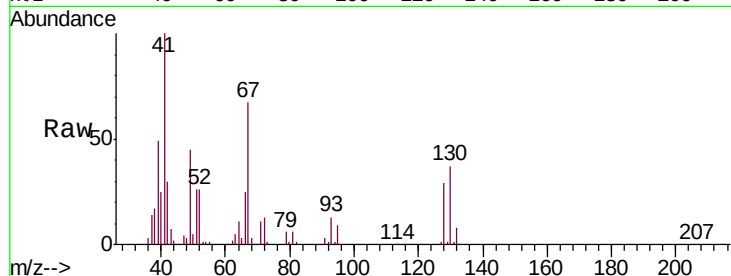
#41
Methacrylonitrile
Concen: 54.526 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Resp Lower	Upper
41	100		
39	50.7	0.0	0.0#
67	97.0	0.0	0.0#
52	36.3	0.0	0.0#

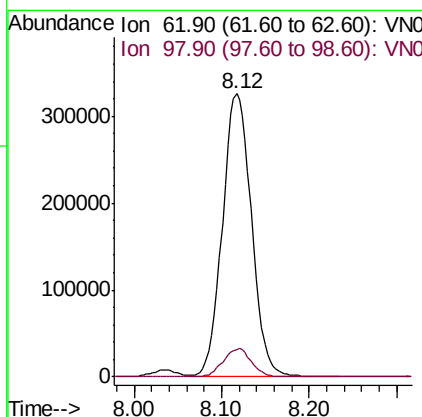
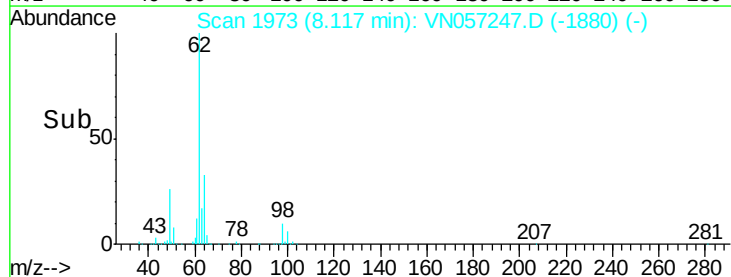
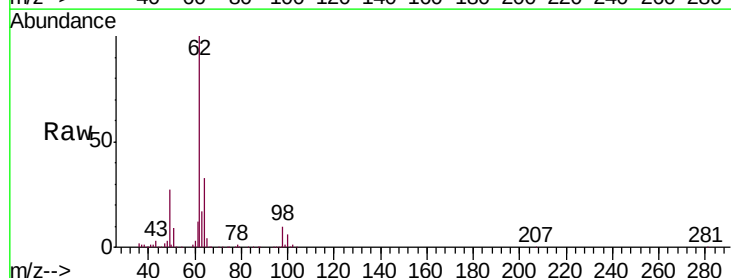
Manual Integrations
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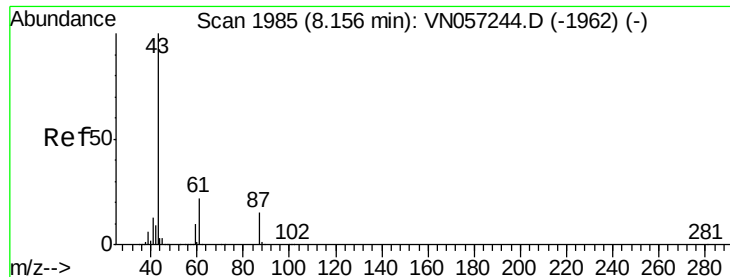
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.474 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	9.8	0.0	20.0





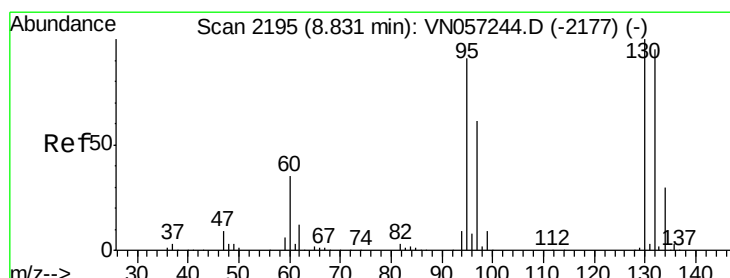
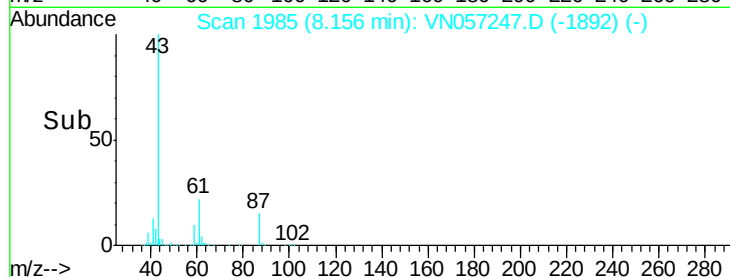
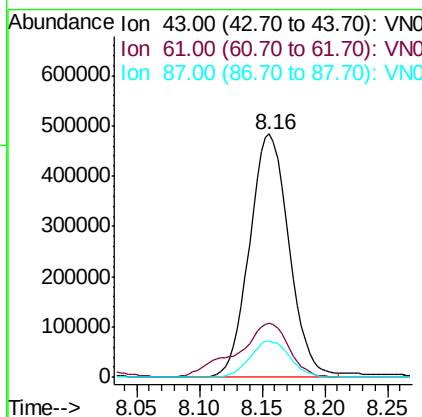
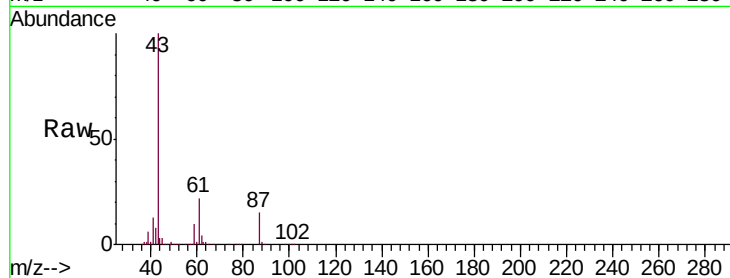
#43
Isopropyl Acetate
Concen: 50.271 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.5	35.3
87	15.3	12.1	18.1

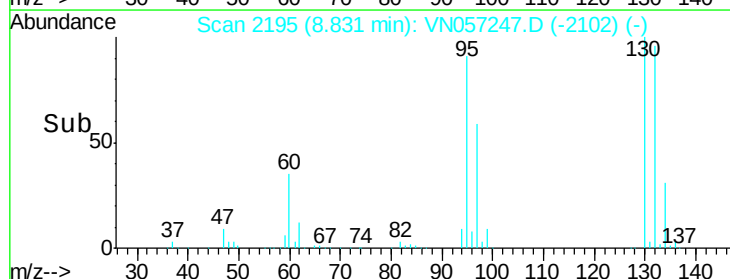
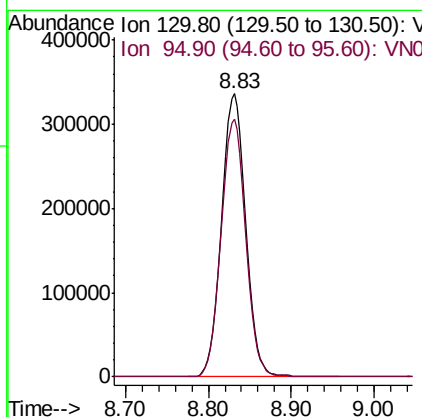
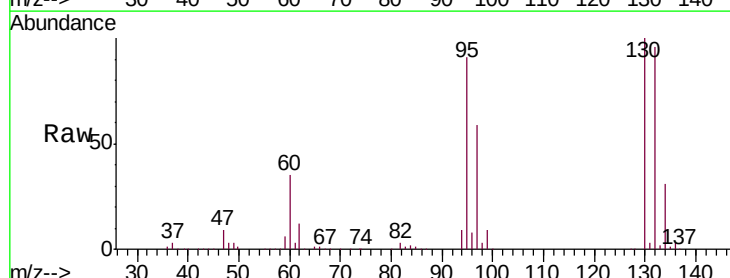
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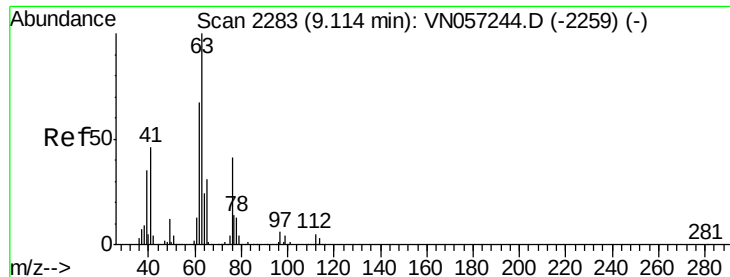
MMDadoda
8/22/2019 9:48:47 AM



#44
Trichloroethene
Concen: 48.349 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	181.8





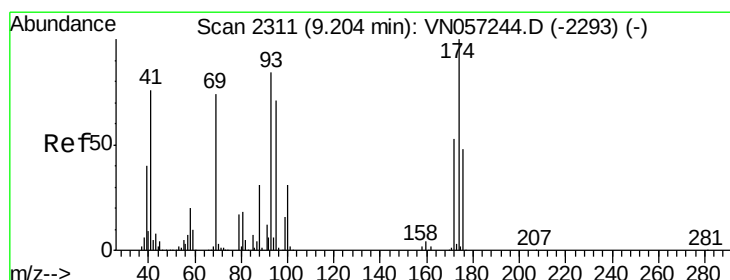
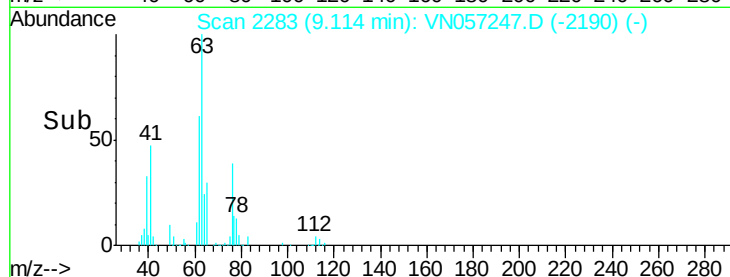
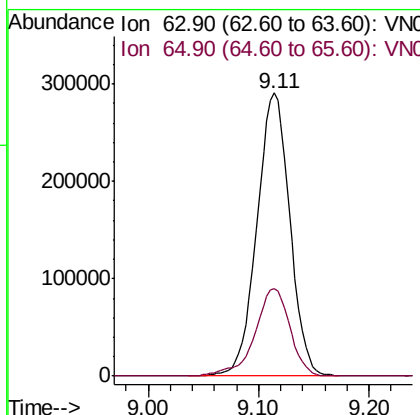
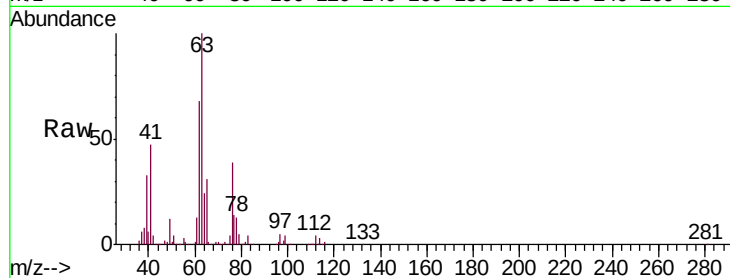
#45
 1,2-Dichloropropane
 Concen: 49.248 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.0	37.4

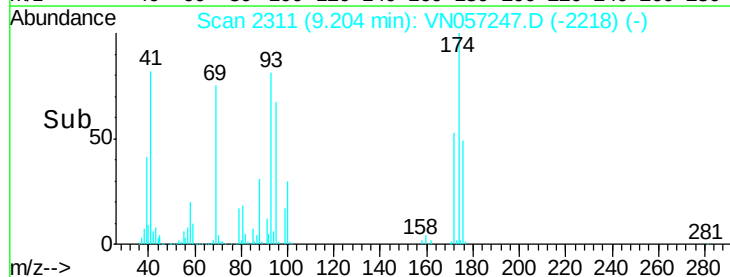
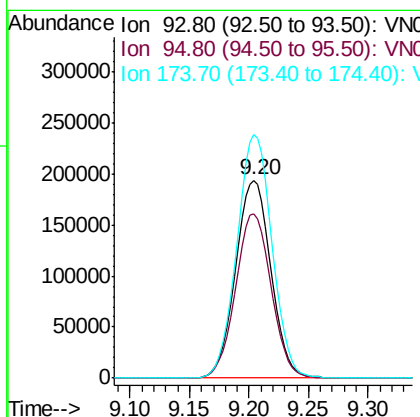
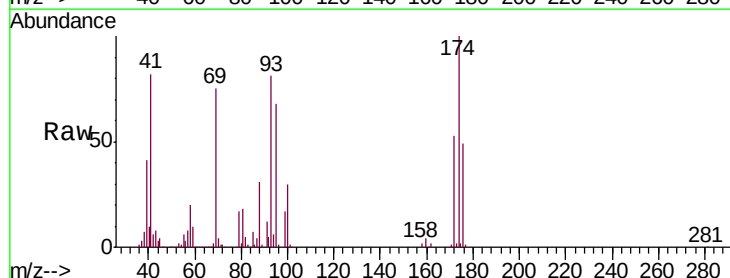
Manual Integrations
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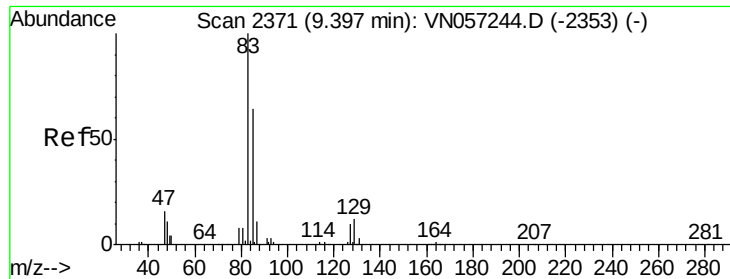
MMDadoda
 8/22/2019 9:48:47 AM



#46
 Dibromomethane
 Concen: 48.429 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.0	100.4
174	122.3	96.2	144.2





#47

Bromodichloromethane

Concen: 50.439 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

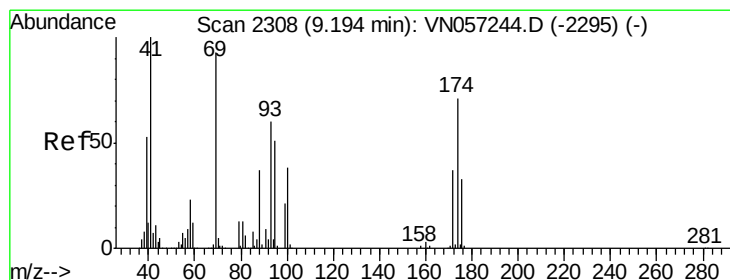
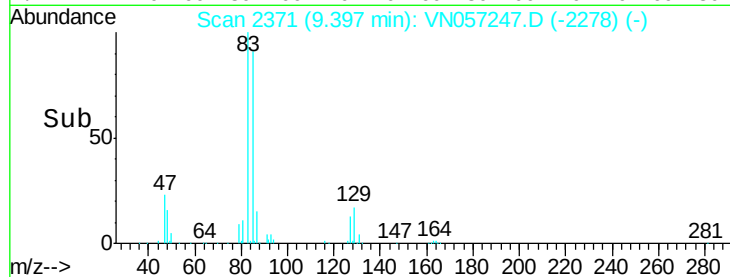
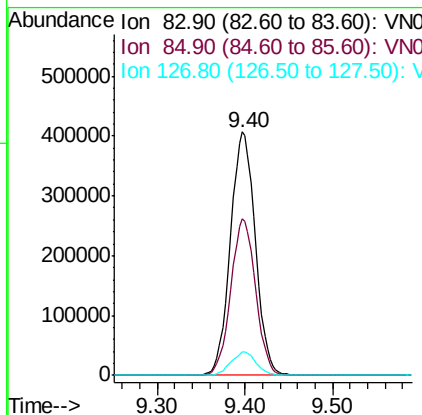
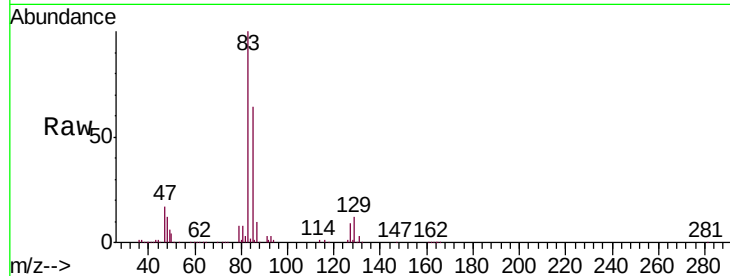
ClientSampleId :

ICVVN081319

Tgt Ion:	83	Resp:	802833
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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#48

Methyl methacrylate

Concen: 52.420 ug/l

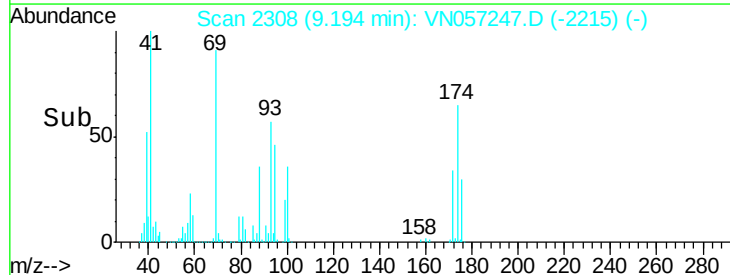
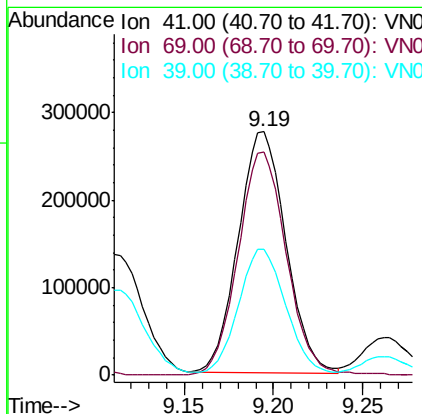
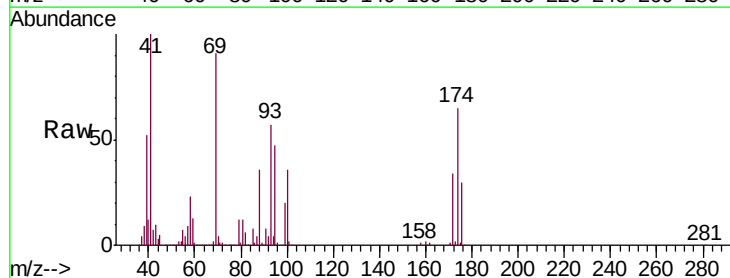
RT: 9.19 min Scan# 2308

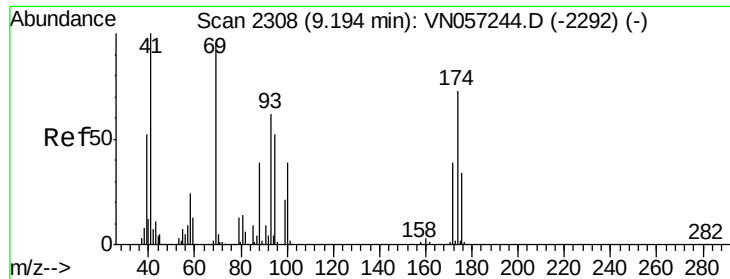
Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Tgt Ion:	41	Resp:	510799
Ion	Ratio	Lower	Upper
41	100		
69	94.7	75.7	113.5
39	52.7	43.3	64.9





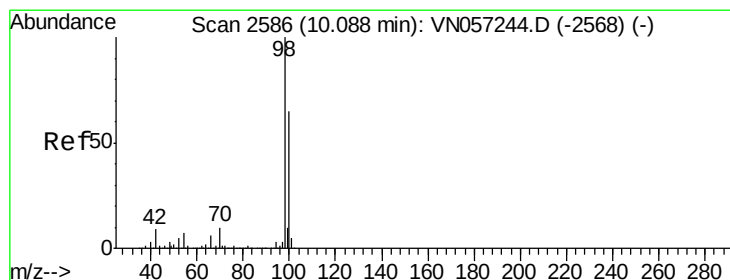
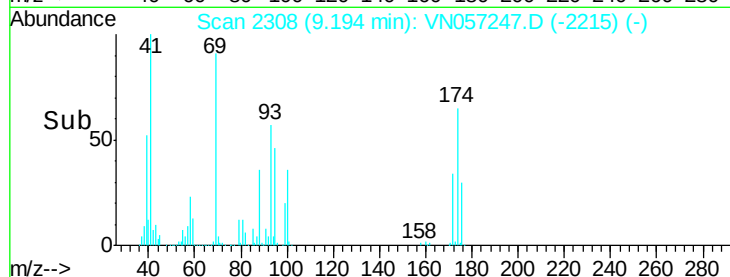
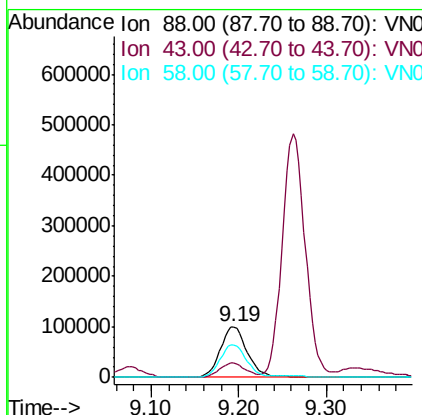
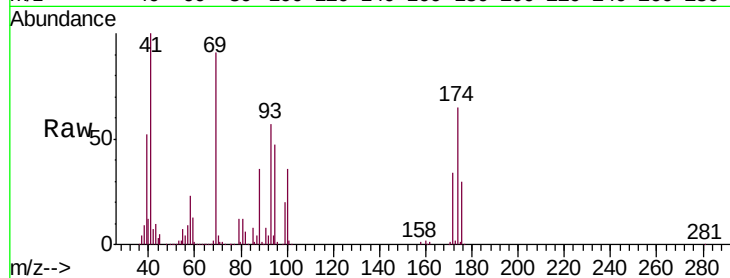
#49
1,4-Dioxane
Concen: 971.340 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.7	31.1
58	63.6	52.0	78.0

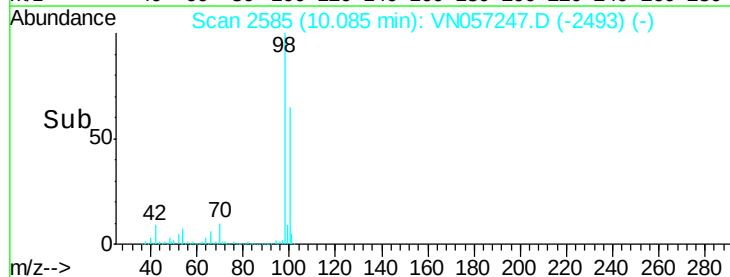
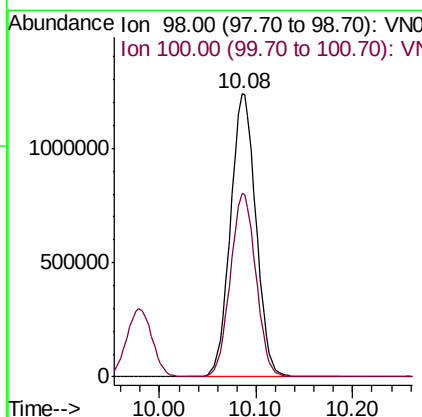
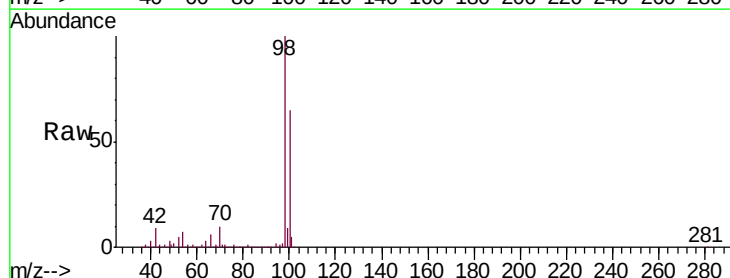
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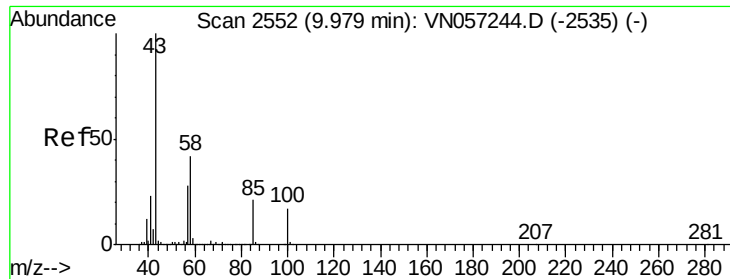
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#50
Toluene-d8
Concen: 53.274 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.8	77.6





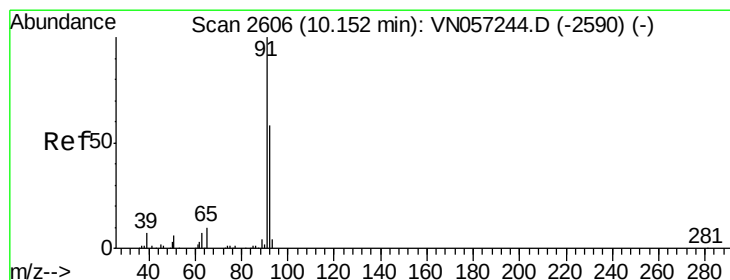
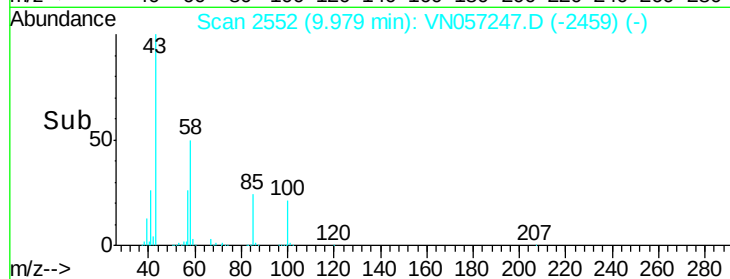
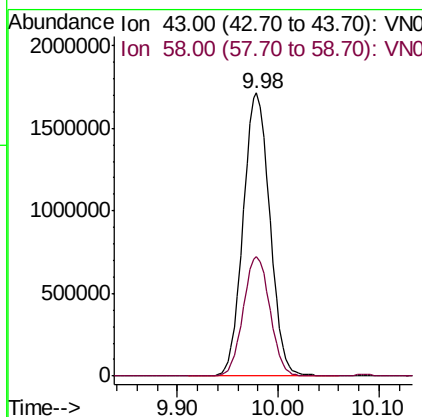
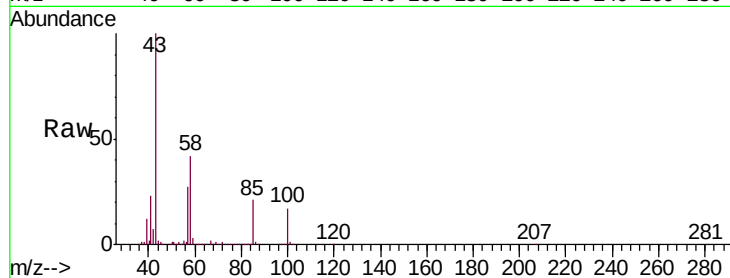
#51
 4-Methyl-2-Pentanone
 Concen: 253.016 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion: 43 Resp: 3128821
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.7 50.5

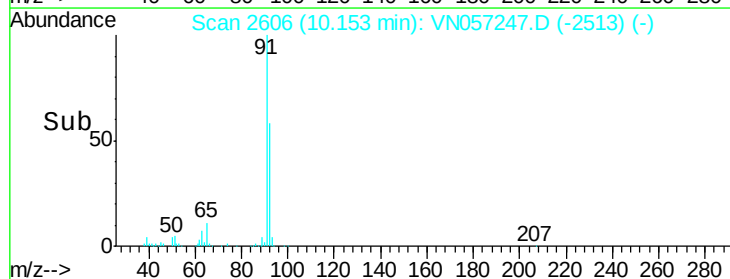
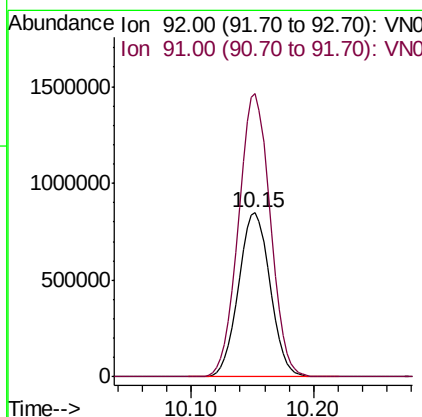
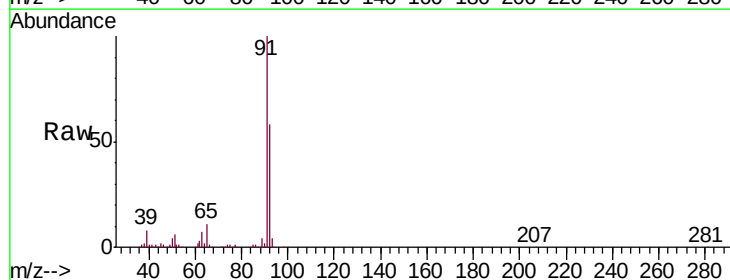
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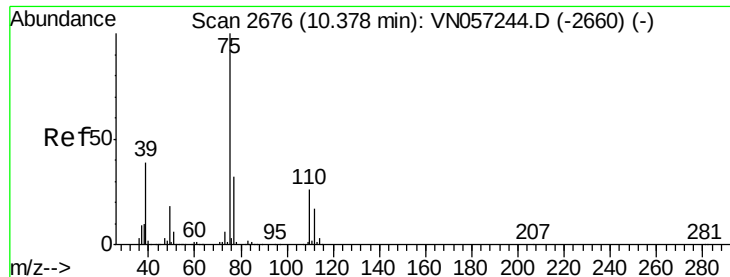
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#52
 Toluene
 Concen: 50.556 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion: 92 Resp: 1518010
 Ion Ratio Lower Upper
 92 100
 91 173.4 138.2 207.2





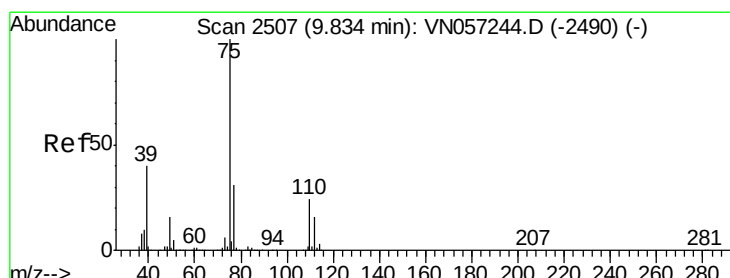
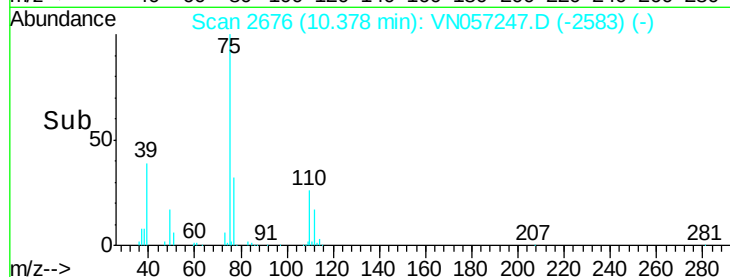
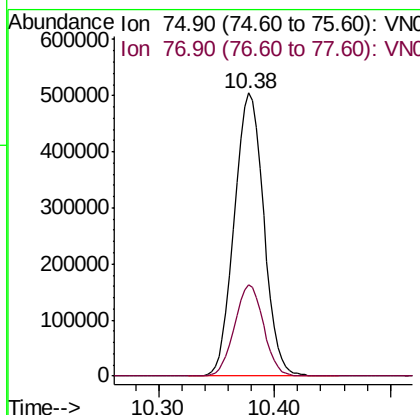
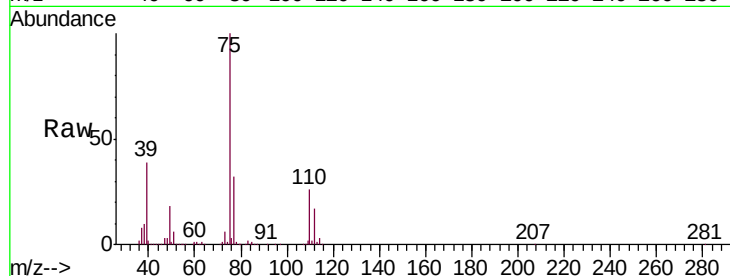
#53
t-1,3-Dichloropropene
Concen: 51.999 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion: 75 Resp: 885300
Ion Ratio Lower Upper
75 100
77 32.5 25.3 37.9

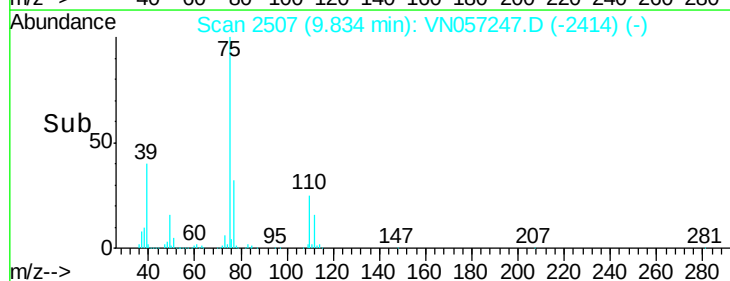
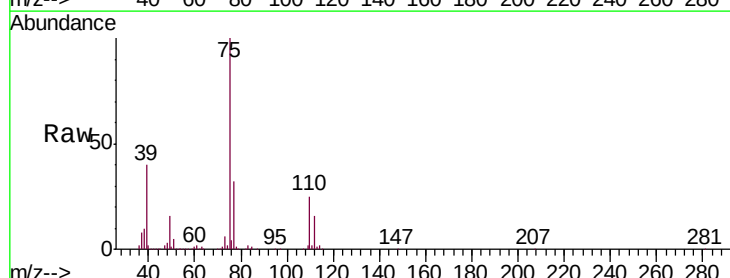
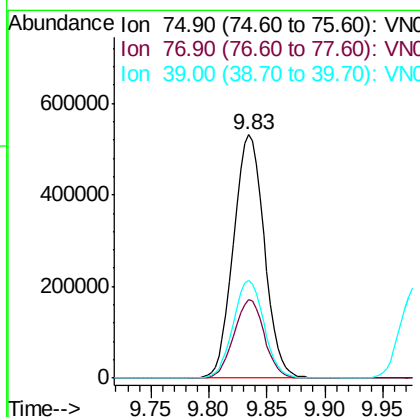
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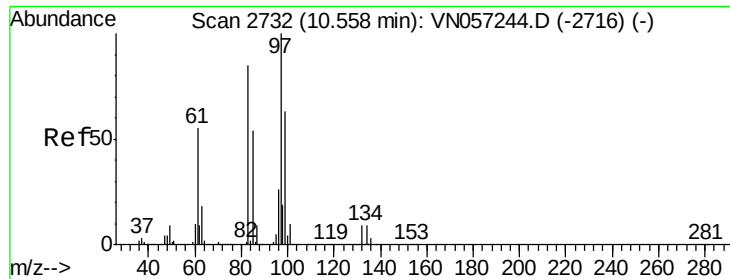
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#54
cis-1,3-Dichloropropene
Concen: 50.943 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion: 75 Resp: 977490
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6
39 40.3 32.3 48.5





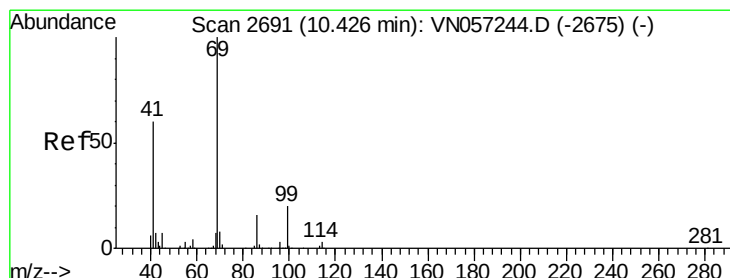
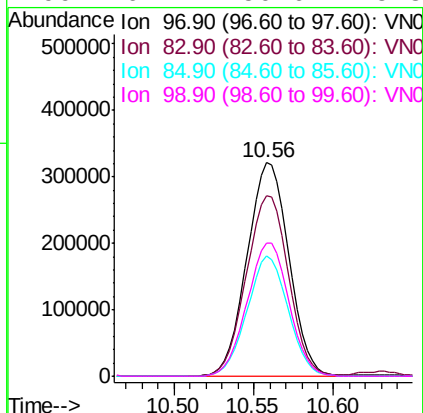
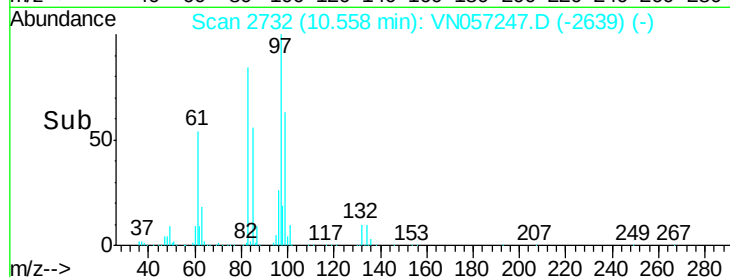
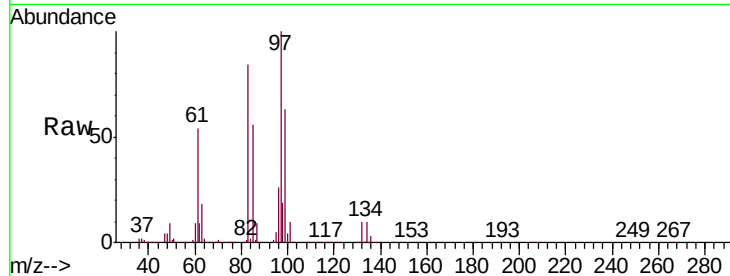
#55
 1,1,2-Trichloroethane
 Concen: 49.347 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.4	102.6
85	56.1	43.0	64.6
99	62.4	50.6	75.8

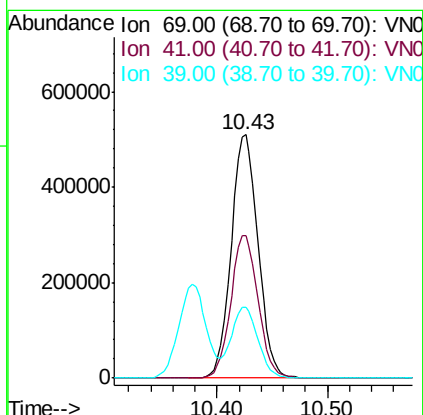
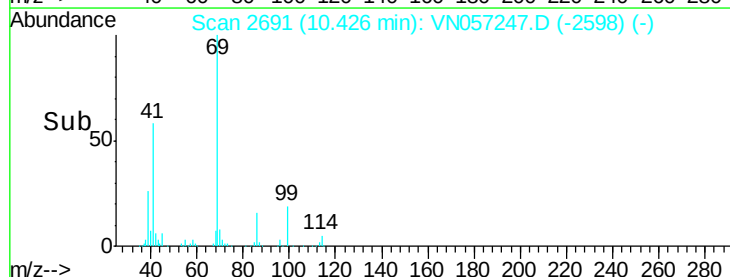
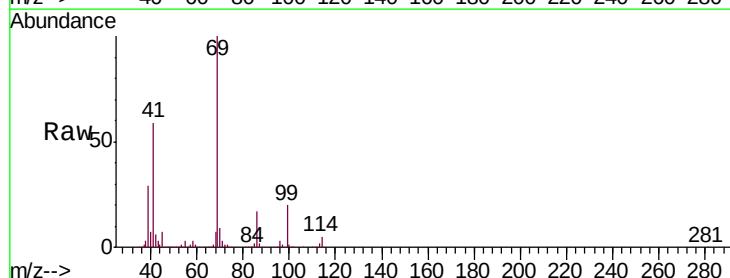
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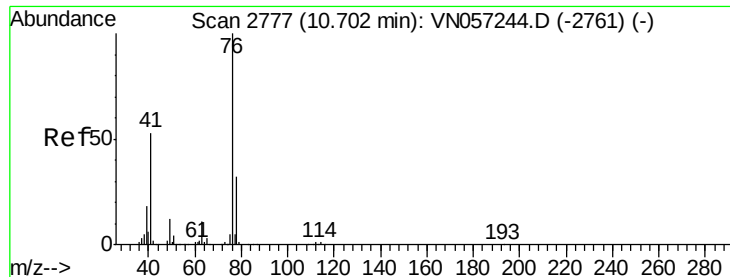
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#56
 Ethyl methacrylate
 Concen: 52.330 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.6	71.4
39	28.9	23.4	35.0





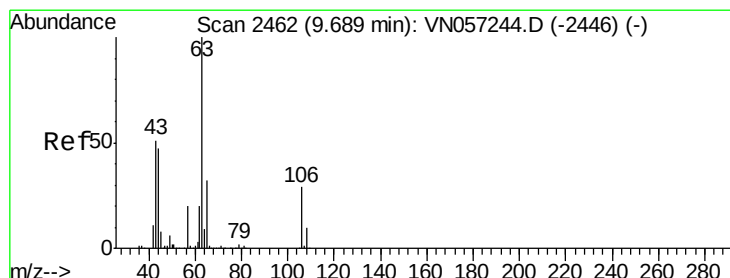
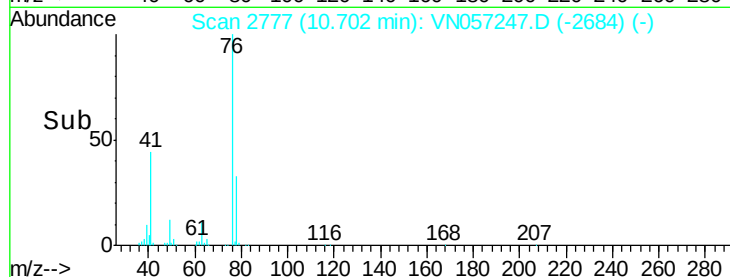
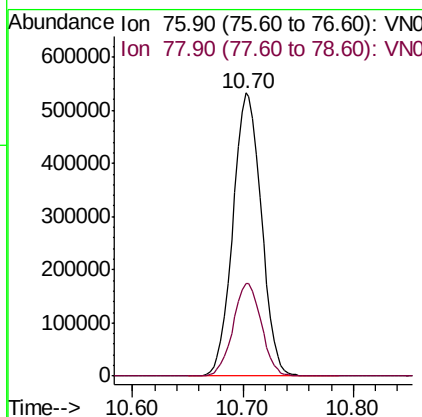
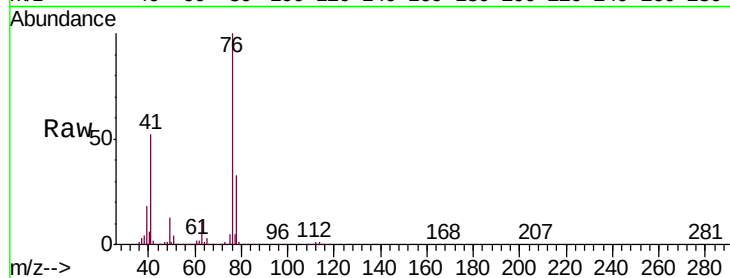
#57
 1,3-Dichloropropane
 Concen: 49.120 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

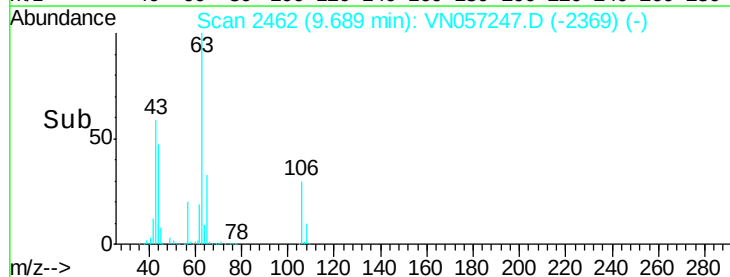
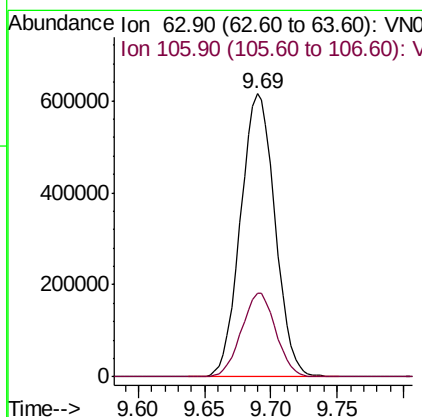
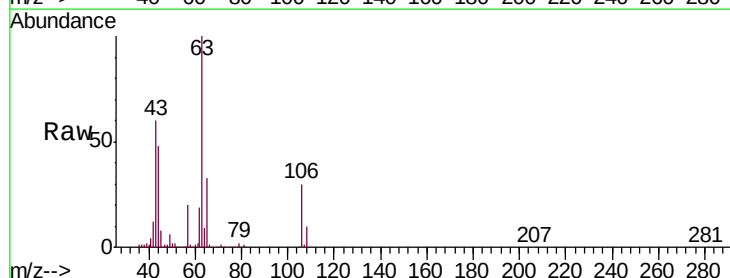
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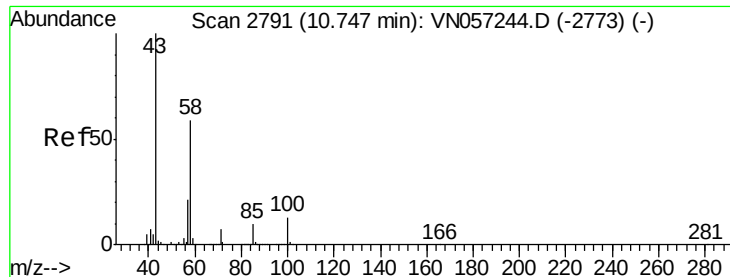
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 232.411 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.4	35.2





#59

2-Hexanone

Concen: 257.037 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 43 Resp: 2255233

Ion Ratio Lower Upper

43 100

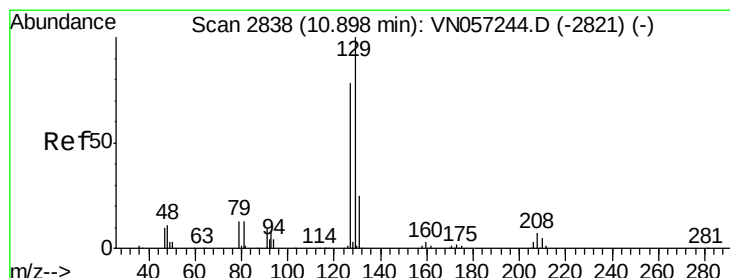
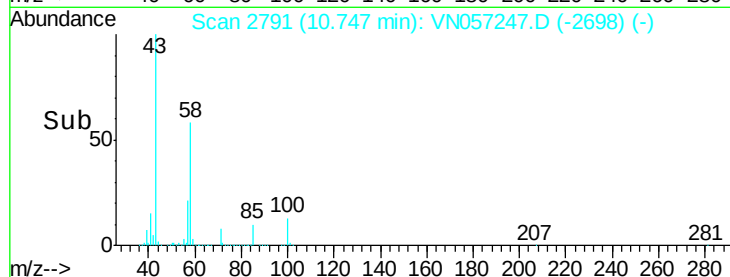
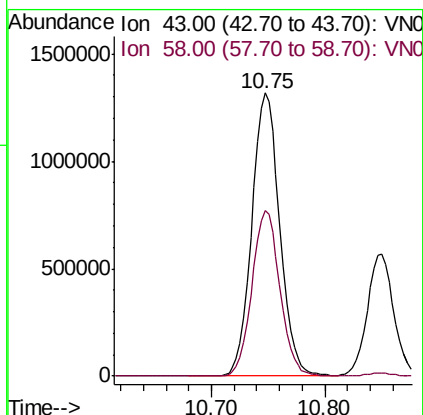
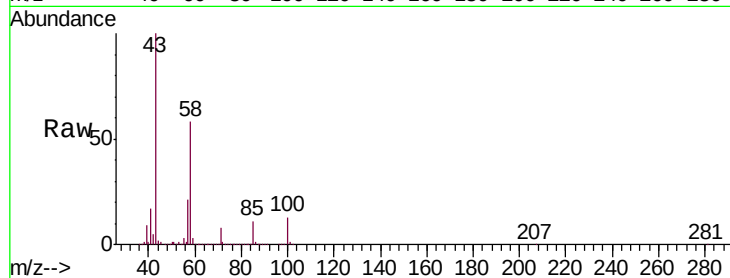
58 58.5 29.1 87.4

Manual Integrations

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8/22/2019 9:48:47 AM



#60

Dibromochloromethane

Concen: 50.949 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057247.D

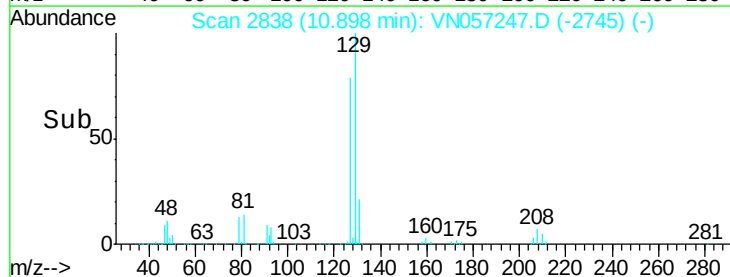
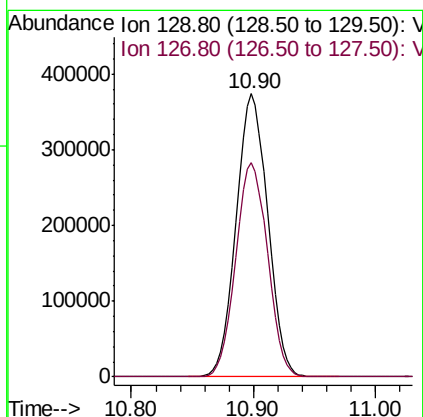
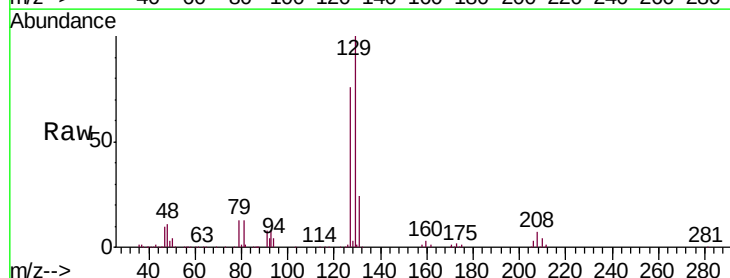
Acq: 13 Aug 2019 14:46

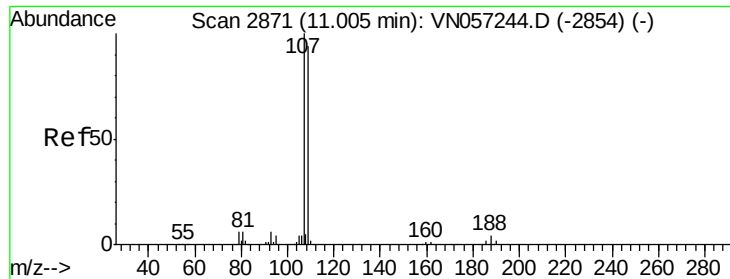
Tgt Ion: 129 Resp: 670566

Ion Ratio Lower Upper

129 100

127 76.3 38.9 116.6





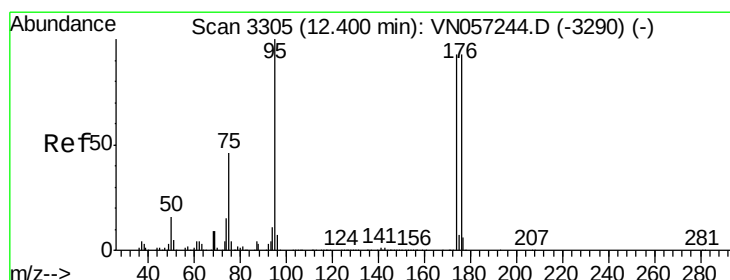
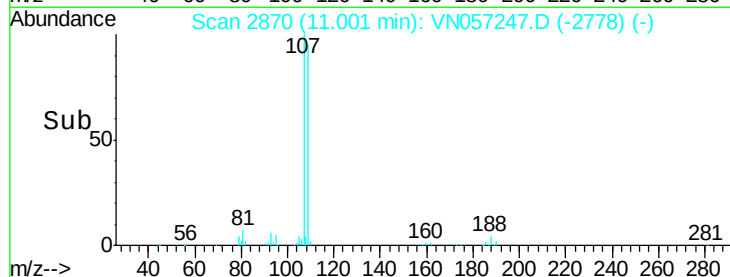
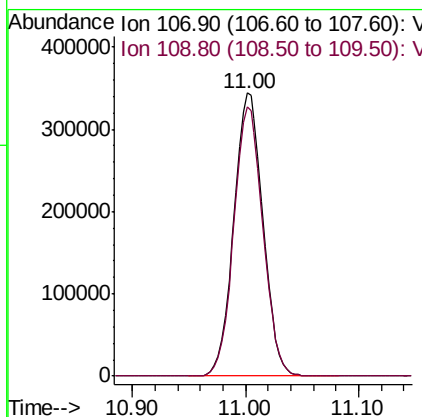
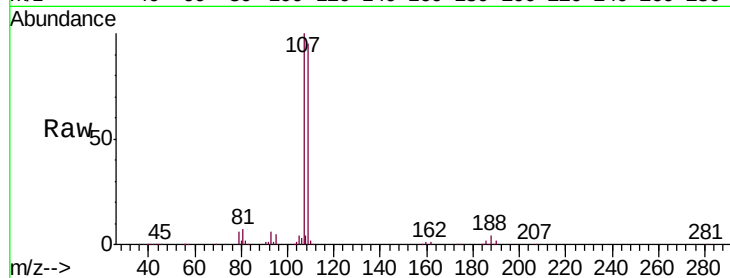
#61
 1,2-Dibromoethane
 Concen: 50.601 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	616552		
109	95.3	75.7	113.5	

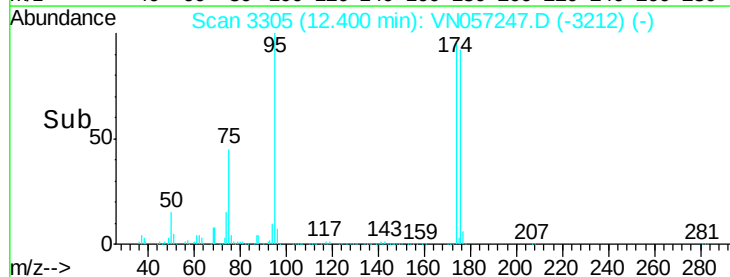
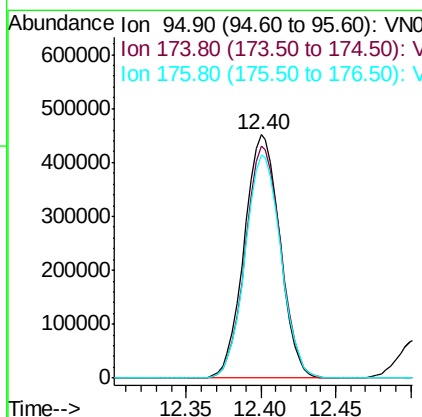
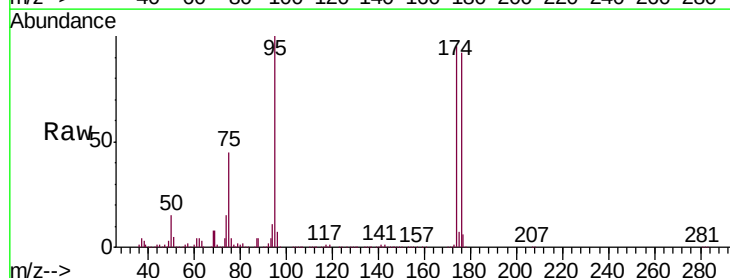
Manual Integrations
 APPROVED

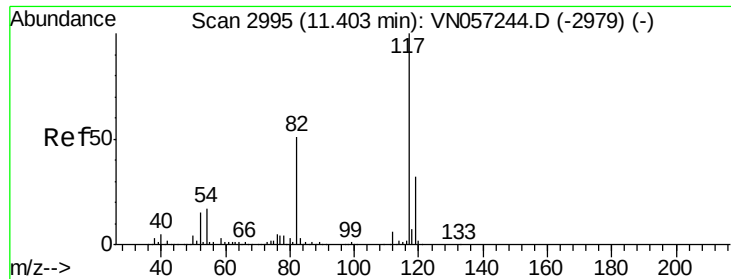
MMDadoda
 8/22/2019 9:48:47 AM



#62
 4-Bromofluorobenzene
 Concen: 51.454 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	747810		
174	95.1	0.0	187.6	
176	91.9	0.0	185.8	





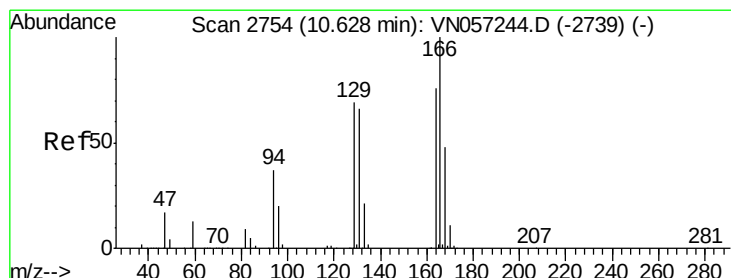
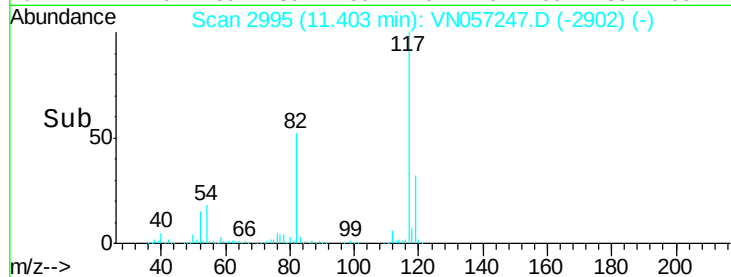
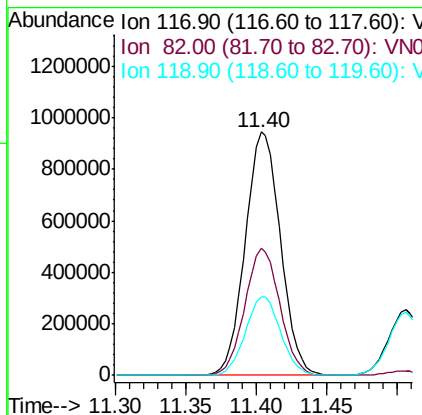
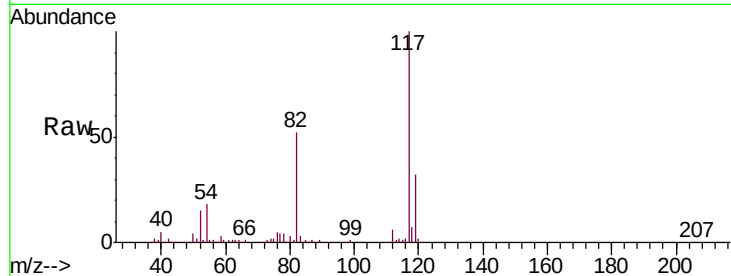
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.9	61.3
119	32.3	25.4	38.2

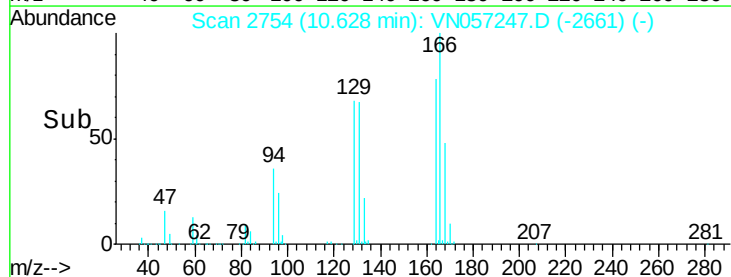
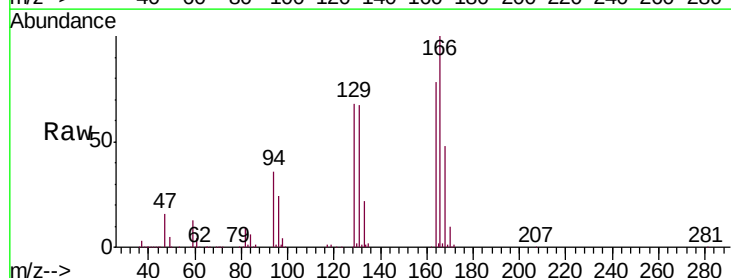
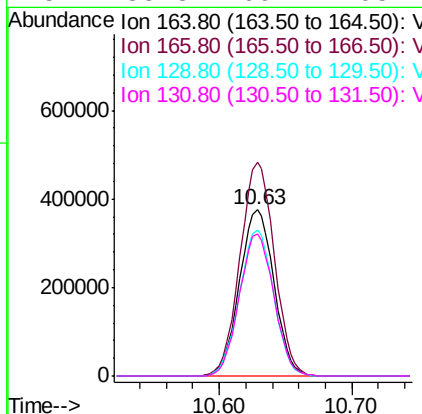
Manual Integrations
APPROVED

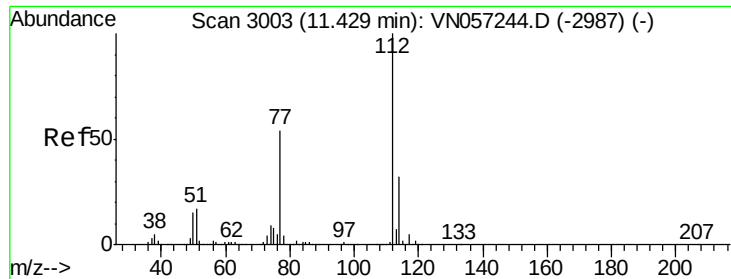
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#64
Tetrachloroethene
Concen: 46.580 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	104.9	157.3
129	88.0	71.9	107.9
131	85.8	69.1	103.7





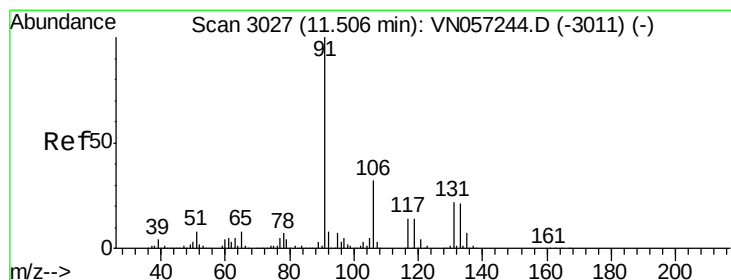
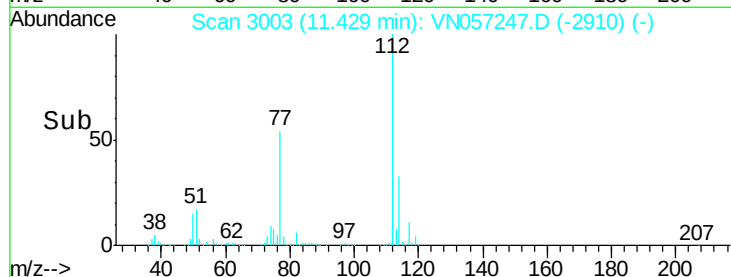
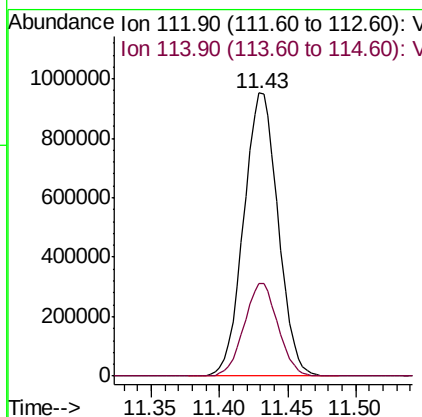
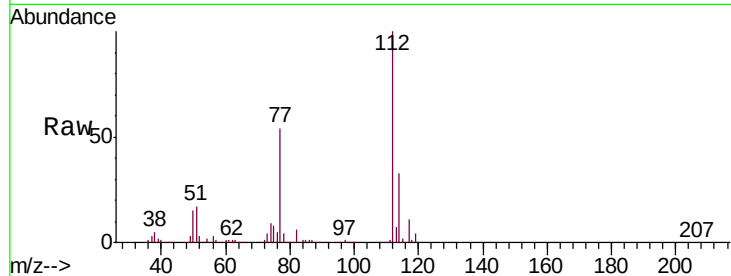
#65
Chlorobenzene
Concen: 49.122 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion:112 Resp: 1661515
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2

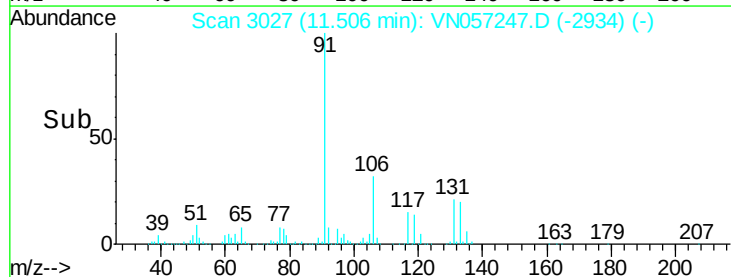
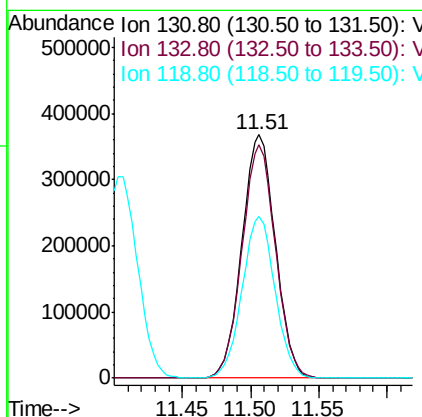
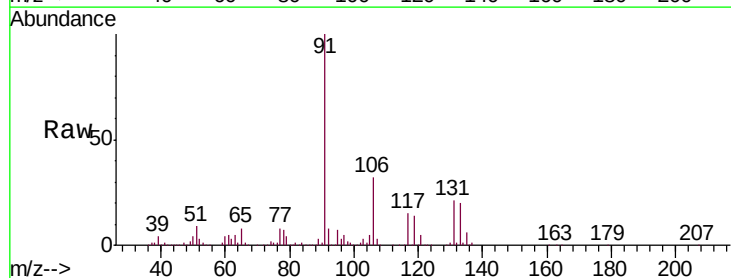
Manual Integrations
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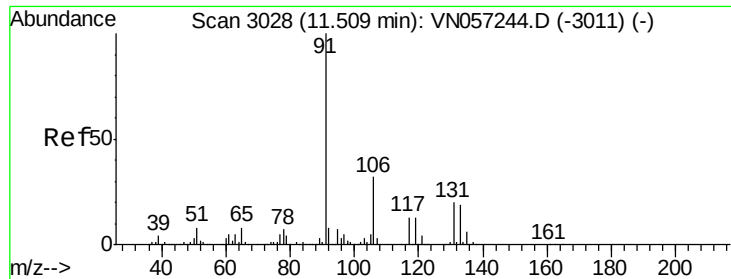
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.958 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion:131 Resp: 626411
Ion Ratio Lower Upper
131 100
133 96.0 46.9 140.7
119 65.5 32.3 96.8





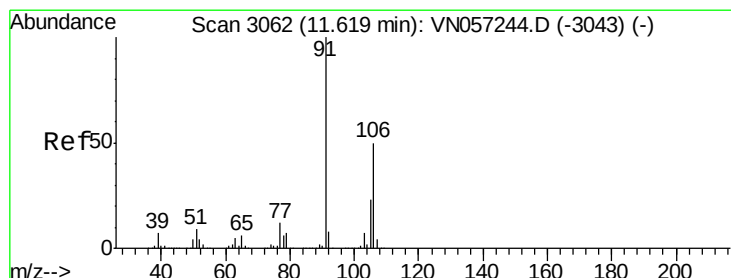
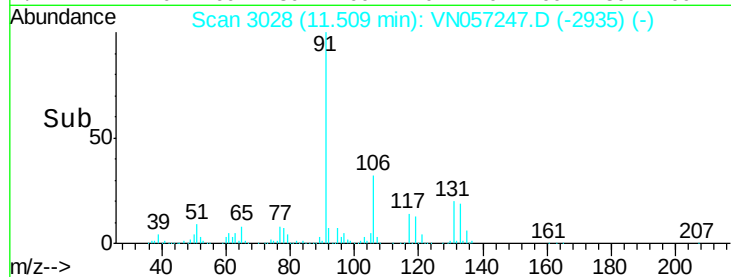
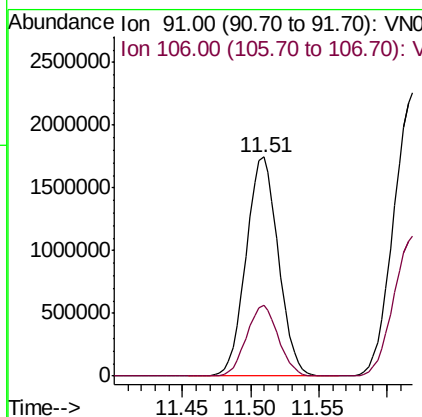
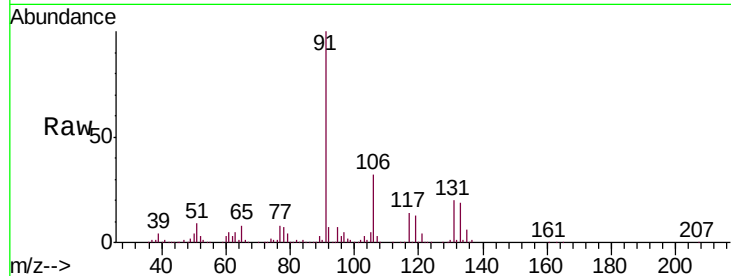
#67
Ethyl Benzene
Concen: 49.778 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampled :
ICVVN081319

Tgt Ion: 91 Resp: 2874347
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0

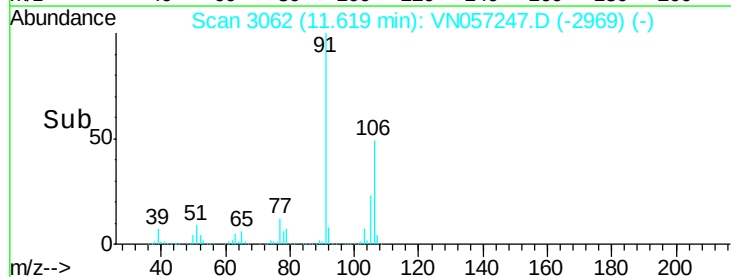
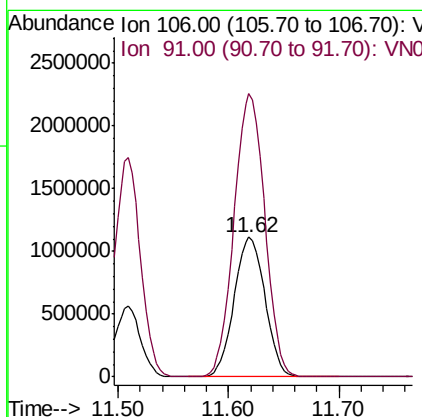
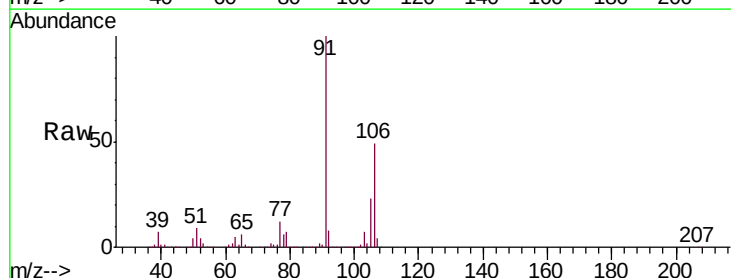
Manual Integrations
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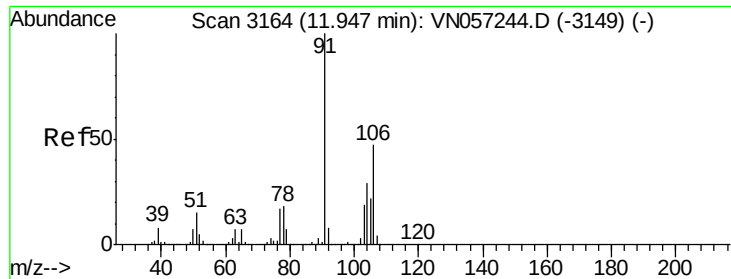
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#68
m/p-Xylenes
Concen: 100.536 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion: 106 Resp: 2166001
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.0





#69

o-Xylene

Concen: 50.354 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

ICVVN081319

Tgt Ion:106 Resp: 1062188

Ion Ratio Lower Upper

106 100

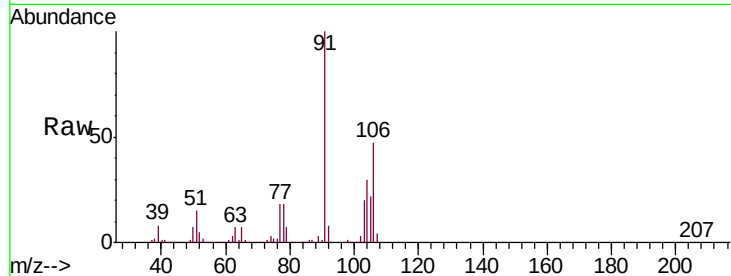
91 210.3 106.5 319.4

Manual Integrations

APPROVED

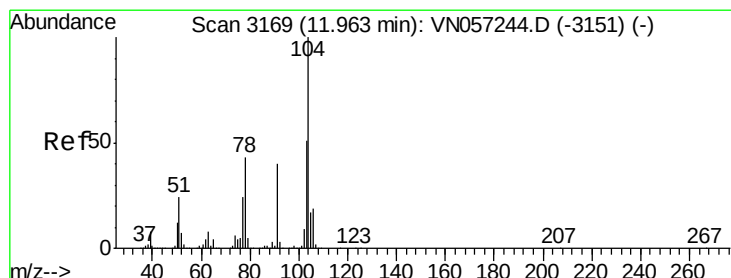
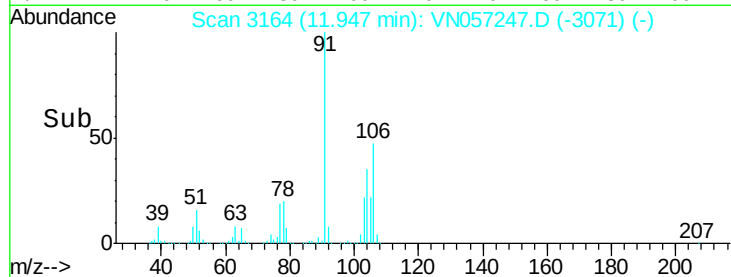
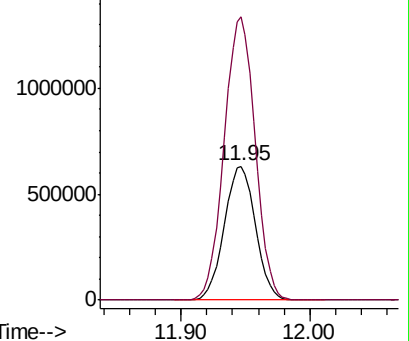
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 53.090 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

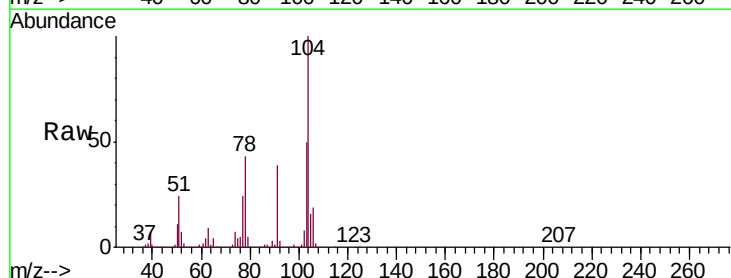
Tgt Ion:104 Resp: 1733916

Ion Ratio Lower Upper

104 100

78 48.1 38.6 57.8

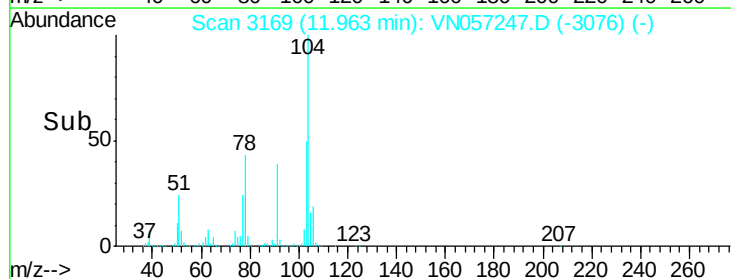
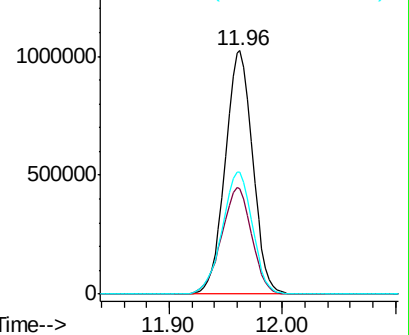
103 54.9 43.9 65.9

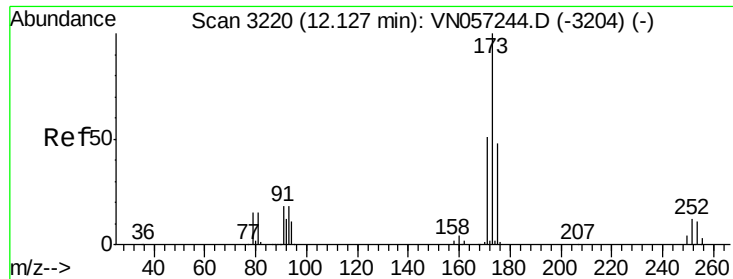


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.264 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

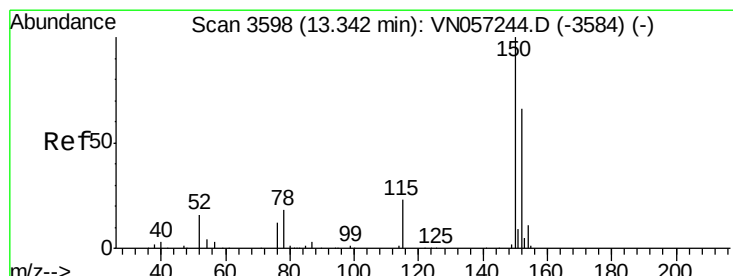
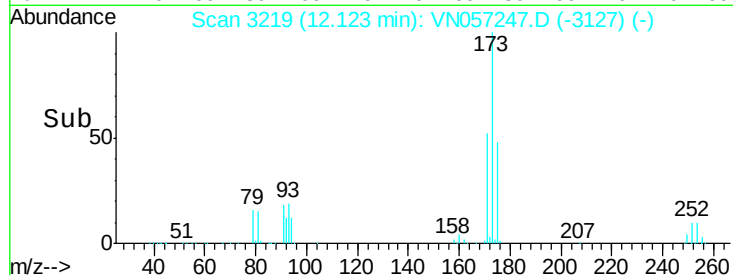
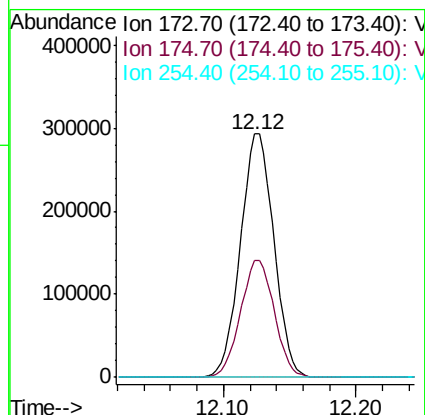
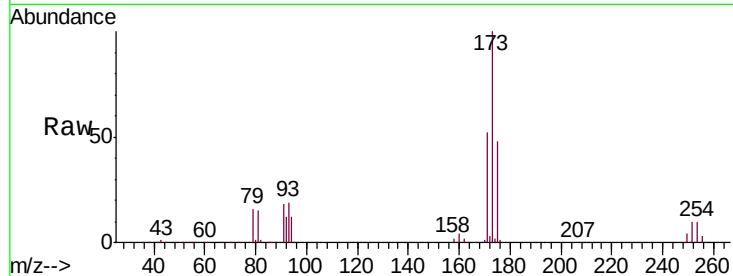
ClientSampleId :

ICVVN081319

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	513076		
175	48.6	24.4	73.2	
254	0.2	0.2	0.2	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

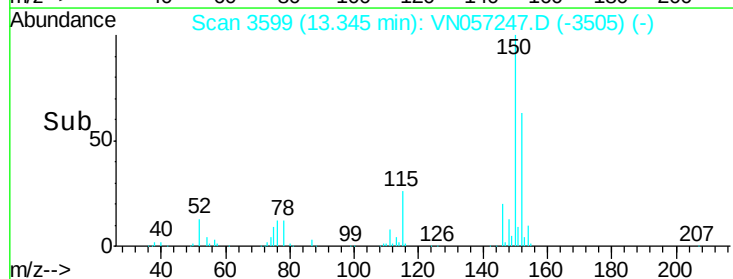
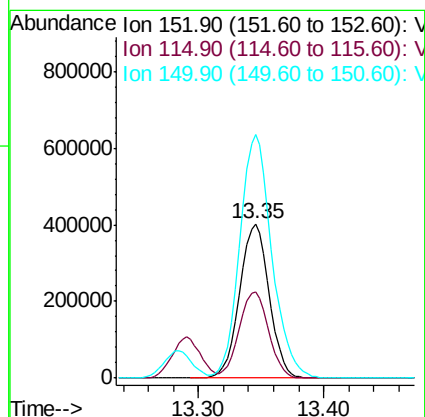
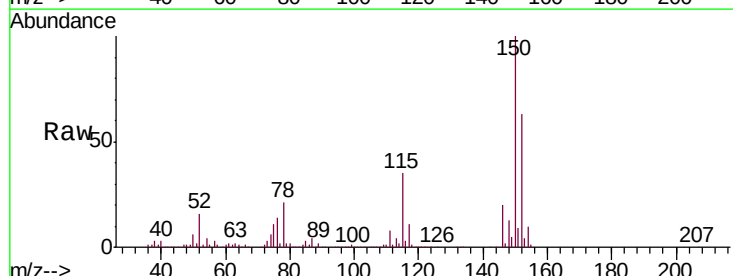
RT: 13.35 min Scan# 3599

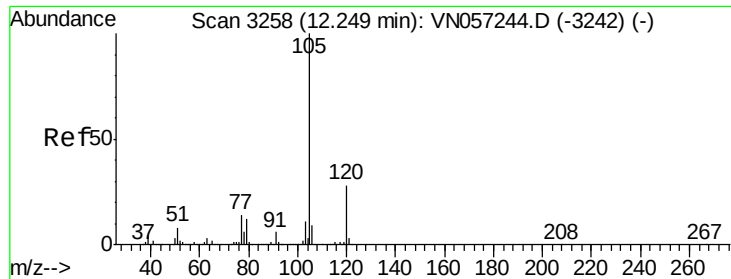
Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	658088		
115	55.5	27.6	82.8	
150	171.5	0.0	348.4	





#73

Isopropylbenzene

Concen: 56.208 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion:105 Resp: 2838306

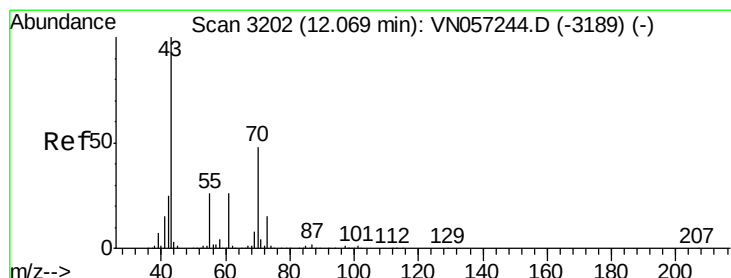
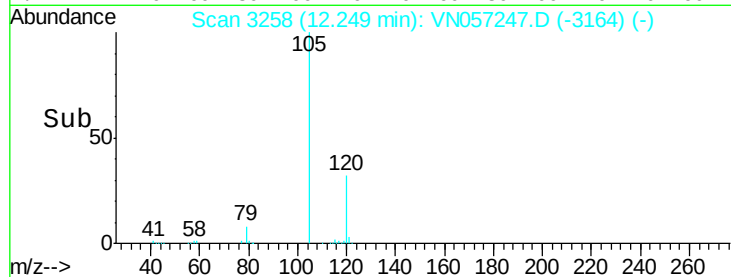
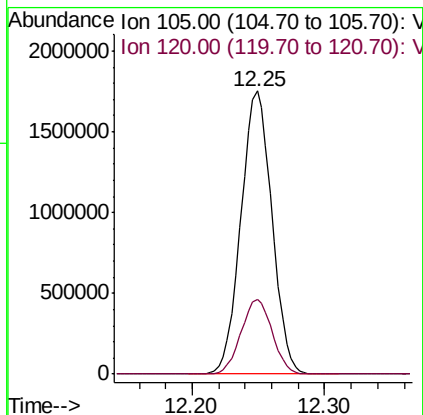
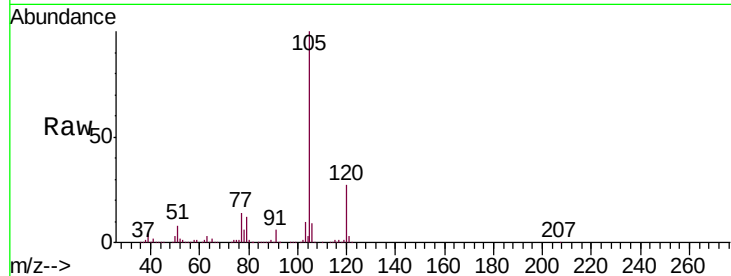
Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.156 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Tgt Ion: 43 Resp: 836363

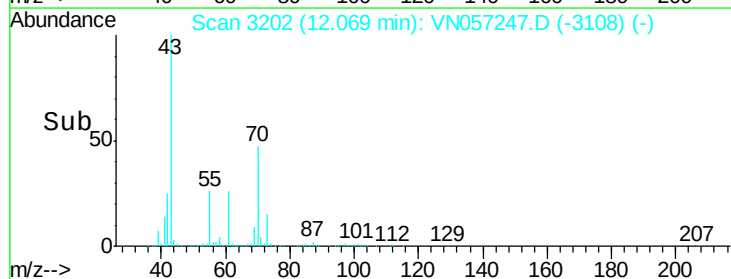
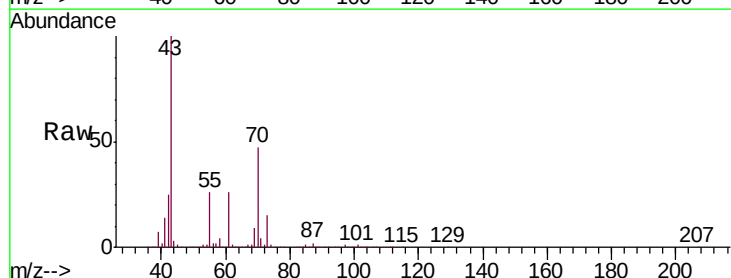
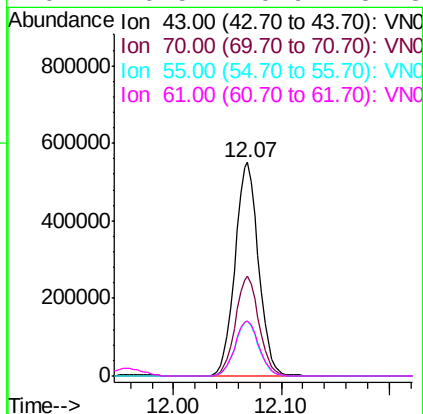
Ion Ratio Lower Upper

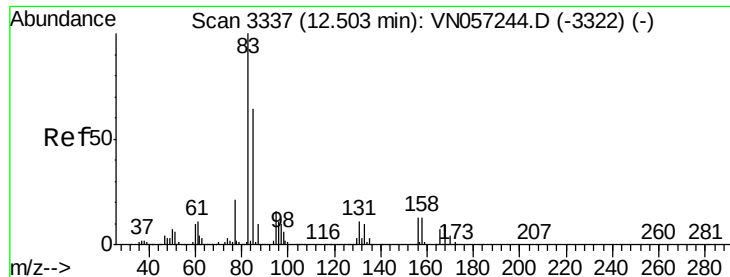
43 100

70 46.8 37.4 56.2

55 25.9 21.0 31.4

61 26.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 58.142 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 83 Resp: 794713
Ion Ratio Lower Upper

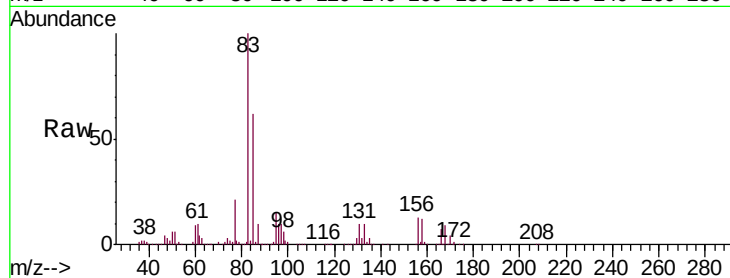
83 100

131 10.8 5.6 16.8

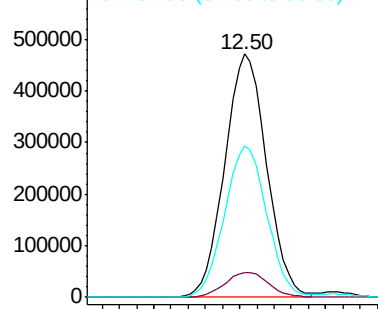
85 62.9 32.3 96.8

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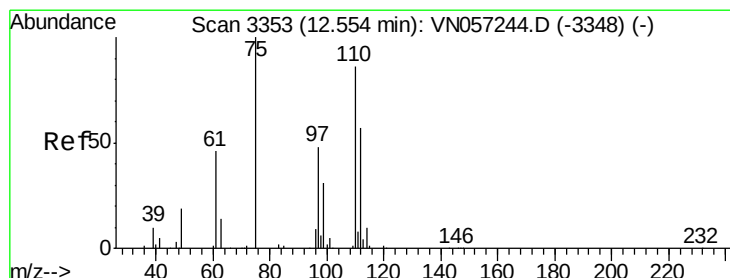
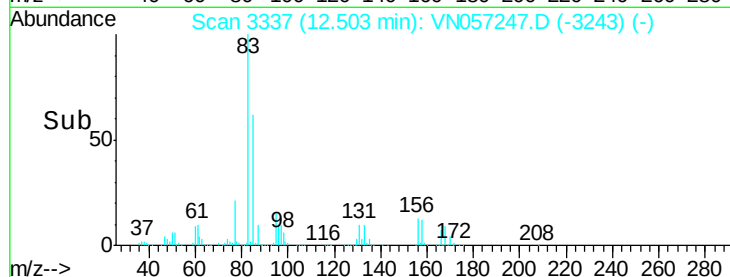
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



Time-->



#76

1,2,3-Trichloropropane

Concen: 56.060 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

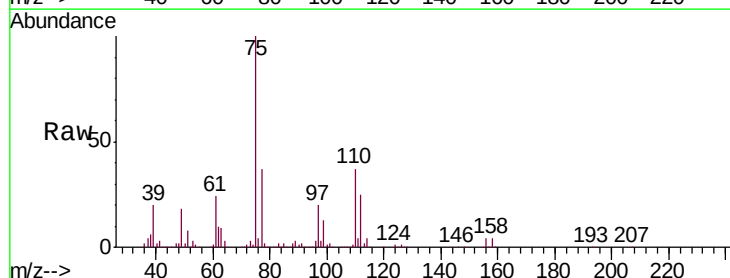
Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

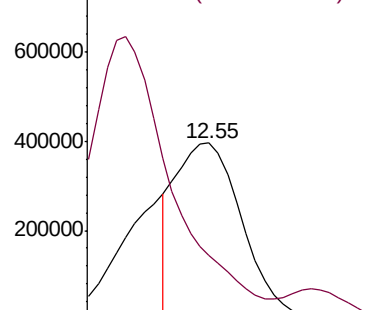
Tgt Ion: 75 Resp: 641412
Ion Ratio Lower Upper

75 100

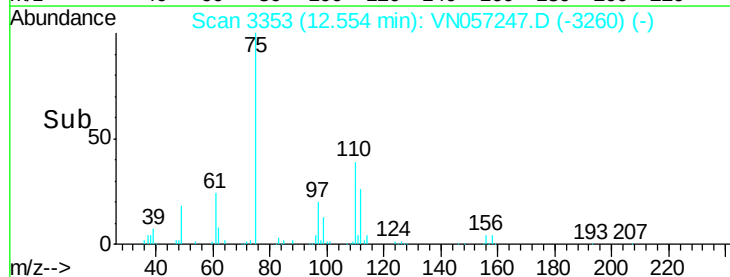
77 0.0 0.0 0.0

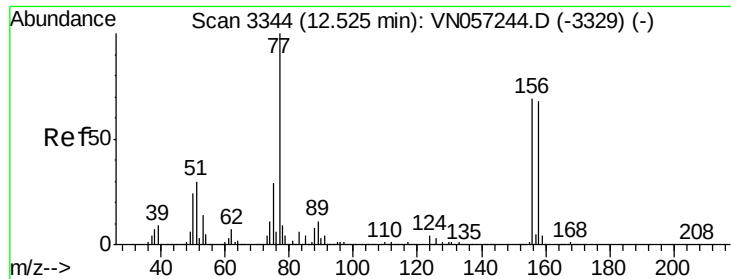


Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC



Time-->





#77

Bromobenzene

Concen: 55.616 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

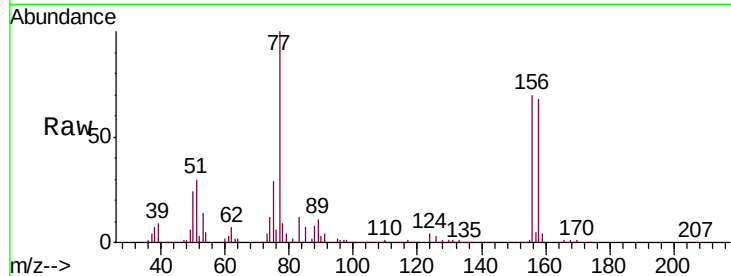
ClientSampleId :

ICVVN081319

Tgt Ion:	156	Resp:	758478
Ion Ratio	Lower	Upper	
156	100		
77	172.7	88.0	264.1
158	96.7	49.4	148.0

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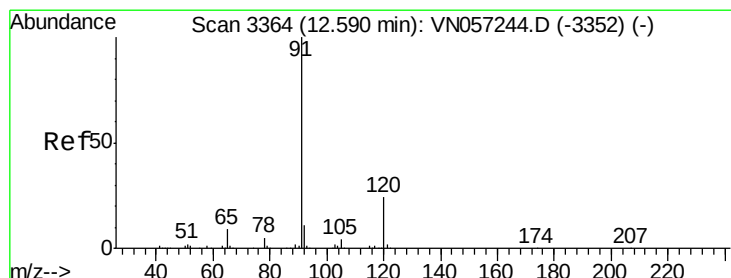
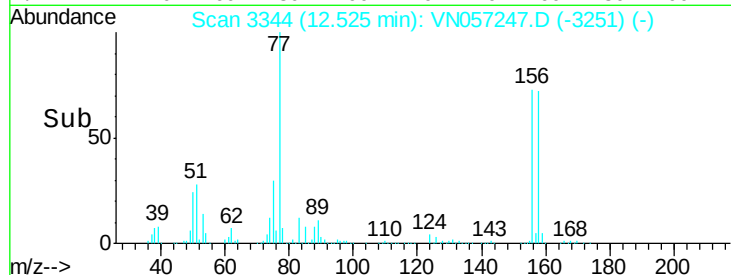
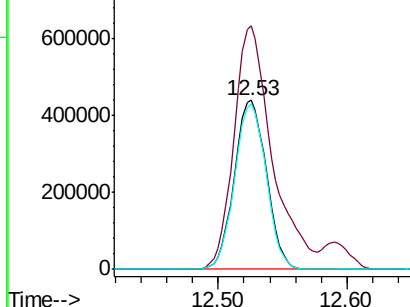
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.944 ug/l

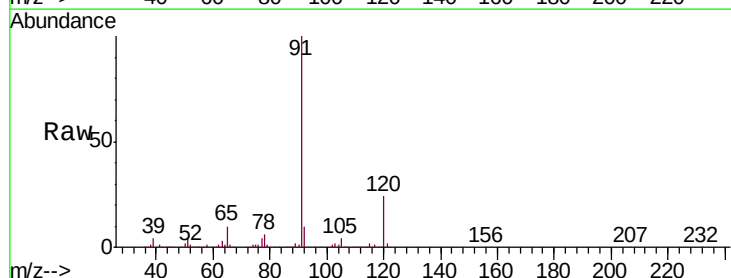
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057247.D

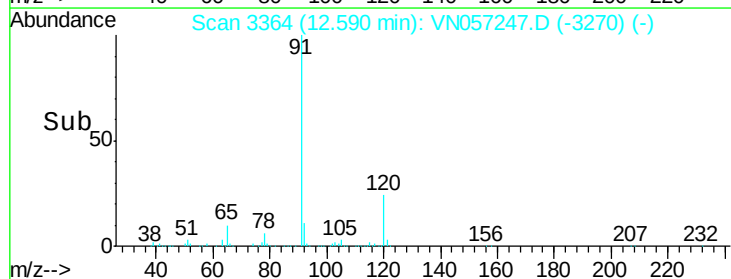
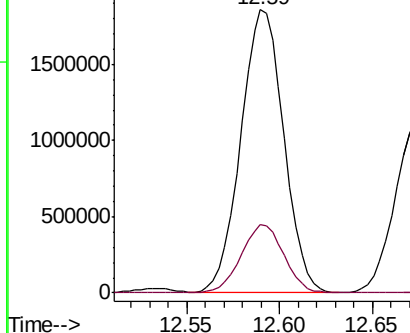
Acq: 13 Aug 2019 14:46

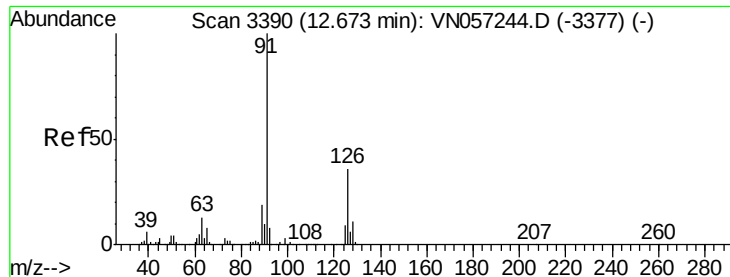
Tgt Ion:	91	Resp:	2978125
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.873 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion: 91 Resp: 1822235

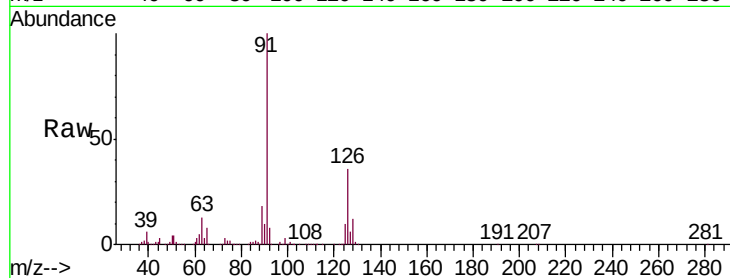
Ion Ratio Lower Upper

91 100

126 36.5 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VN057247.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN057247.D (-3297) (-)

2000000

1500000

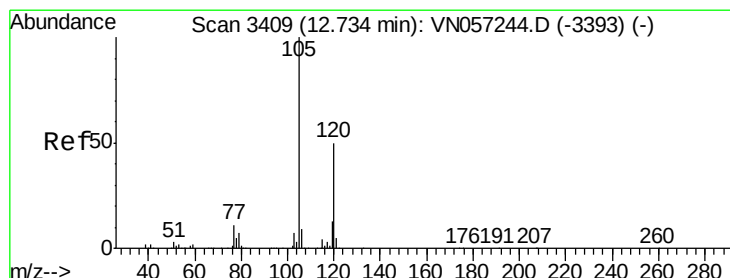
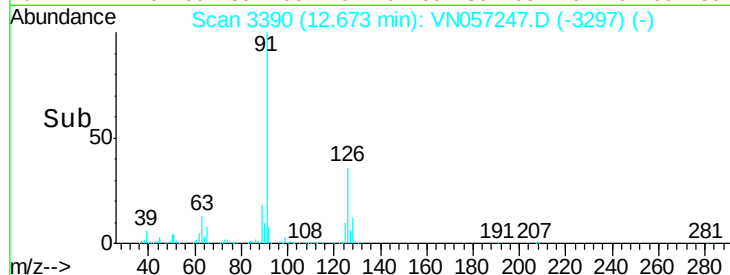
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.095 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057247.D

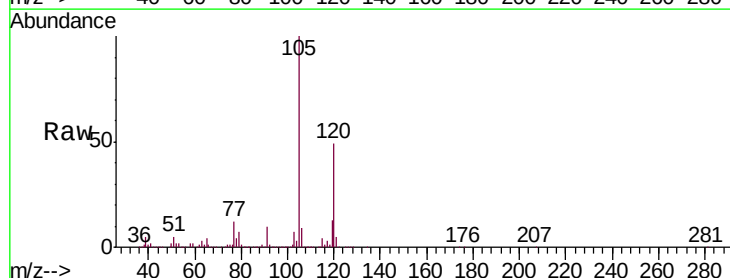
Acq: 13 Aug 2019 14:46

Tgt Ion: 105 Resp: 2363416

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN057247.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN057247.D (-3316) (-)

1500000

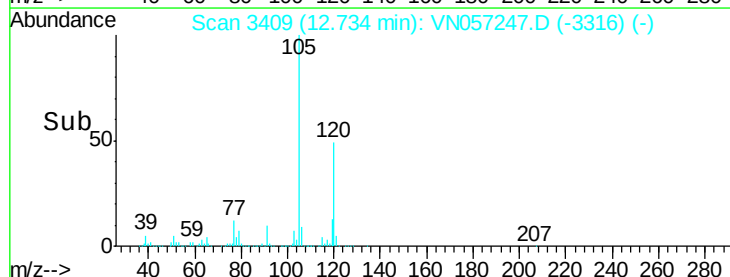
1000000

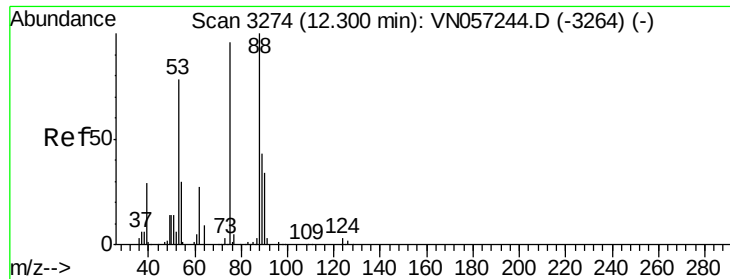
500000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.048 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

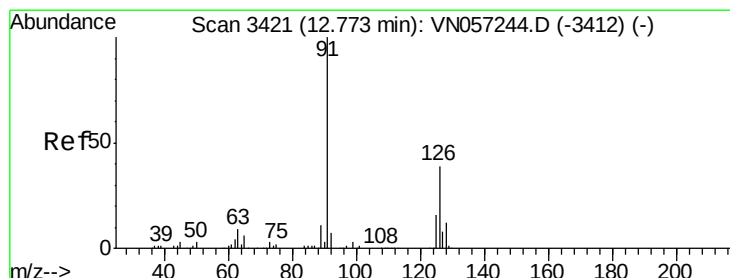
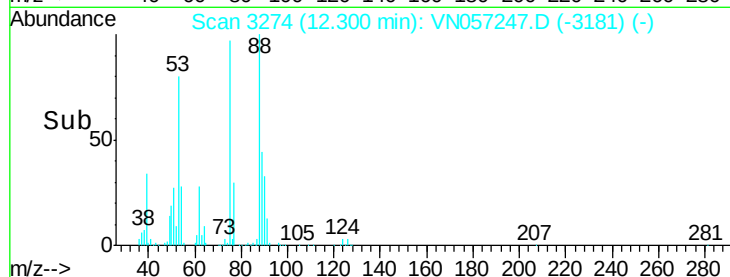
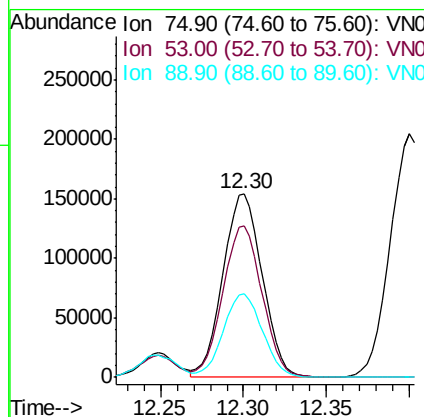
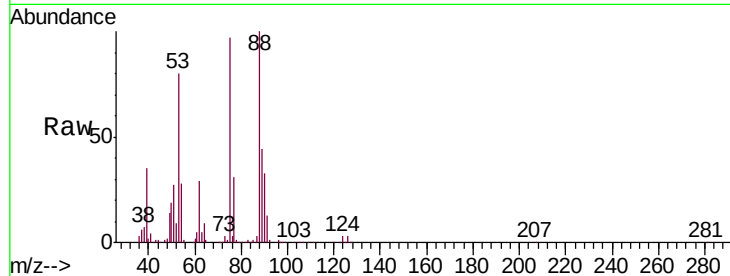
ClientSampleId :

ICVVN081319

Tgt Ion:	75	Resp:	255008
Ion	Ratio	Lower	Upper
75	100		
53	82.7	65.8	98.6
89	45.1	36.7	55.1

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#82

4-Chlorotoluene

Concen: 48.245 ug/l

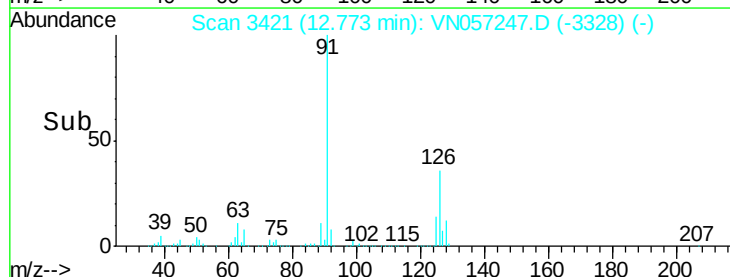
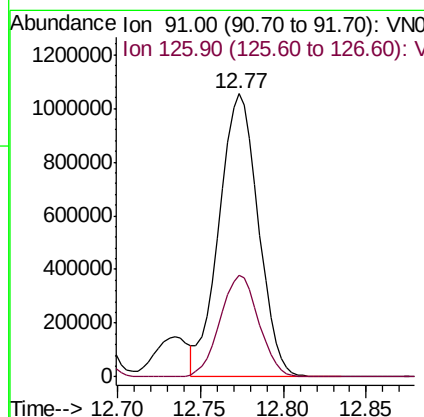
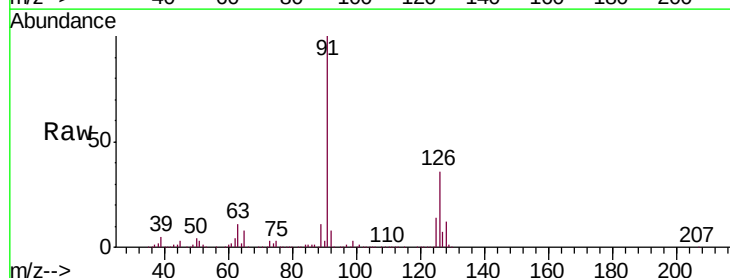
RT: 12.77 min Scan# 3421

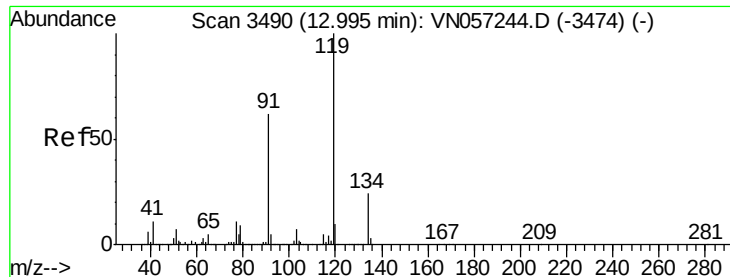
Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Tgt Ion:	91	Resp:	1731546
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.7





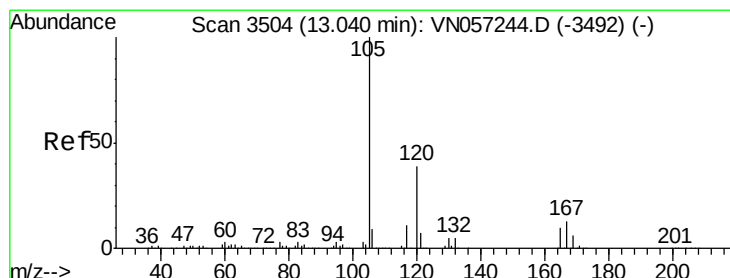
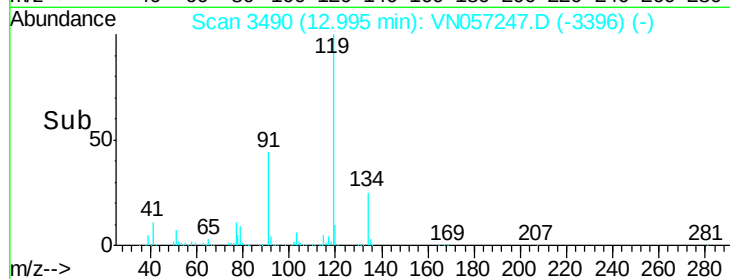
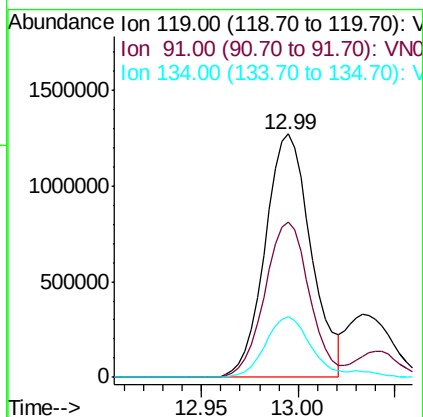
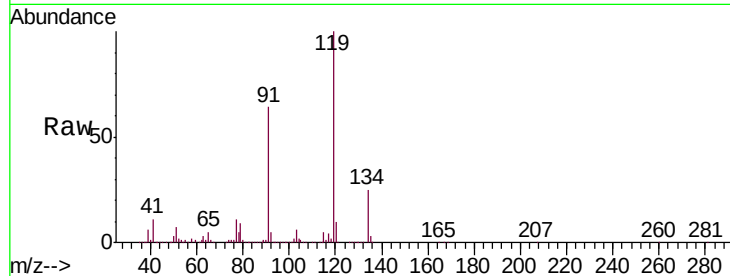
#83
 tert-Butylbenzene
 Concen: 55.717 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion:119 Resp: 2111436
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.8 92.3
 134 26.1 12.9 38.7

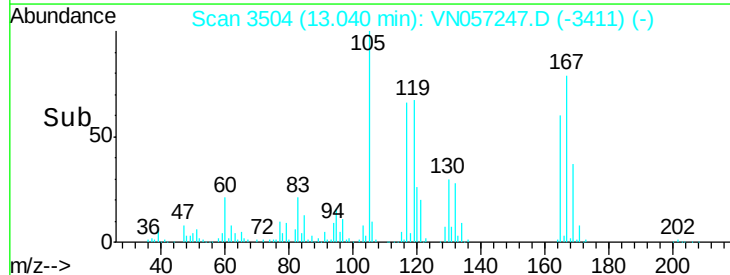
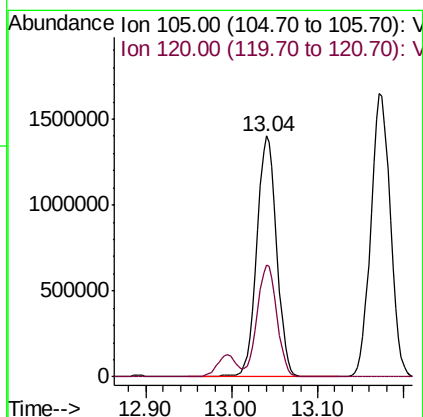
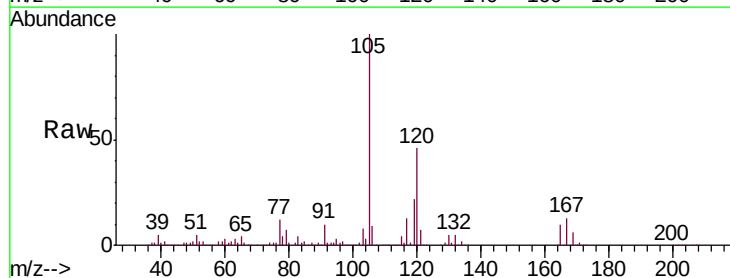
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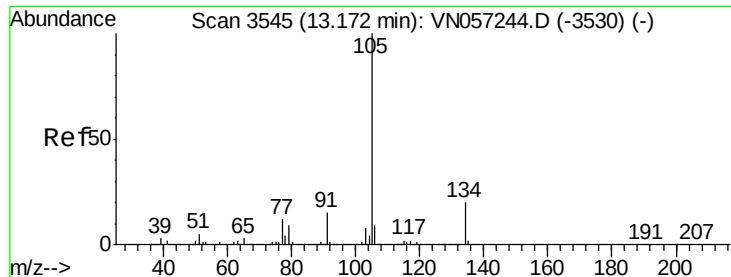
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.619 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion:105 Resp: 2253110
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.5





#85

sec-Butylbenzene

Concen: 53.953 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081319

Tgt Ion:105 Resp: 2611306

Ion Ratio Lower Upper

105 100

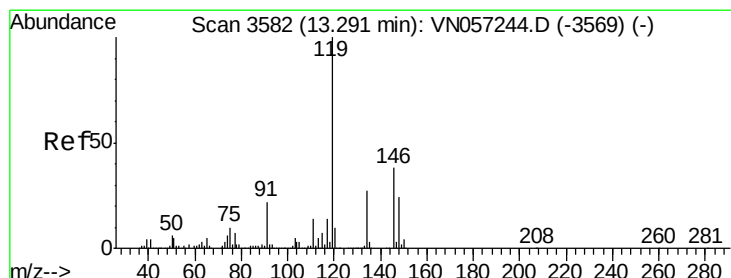
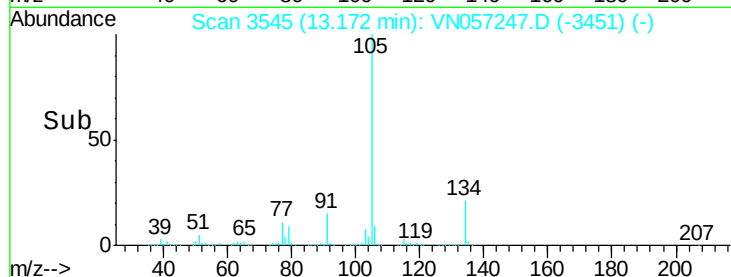
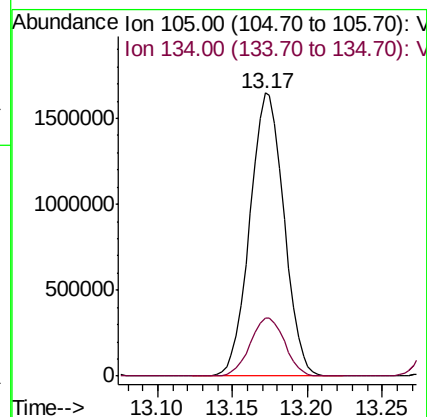
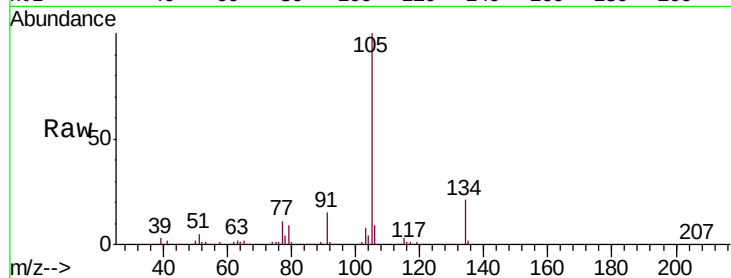
134 21.0 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 48.226 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057247.D

Acq: 13 Aug 2019 14:46

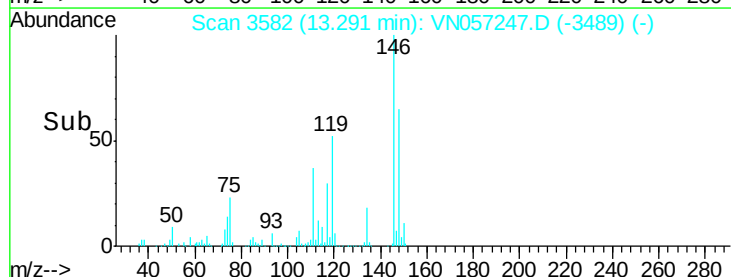
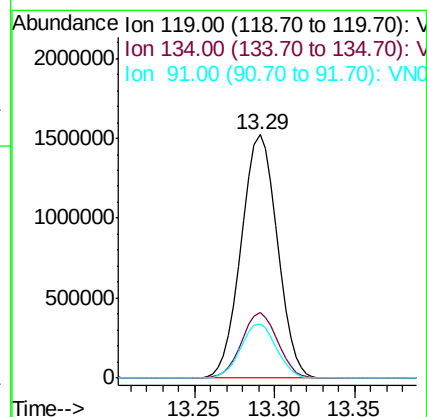
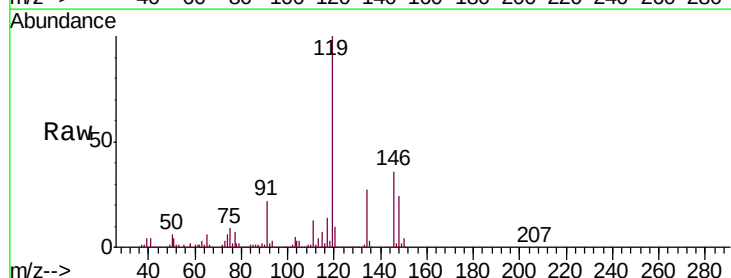
Tgt Ion:119 Resp: 2333773

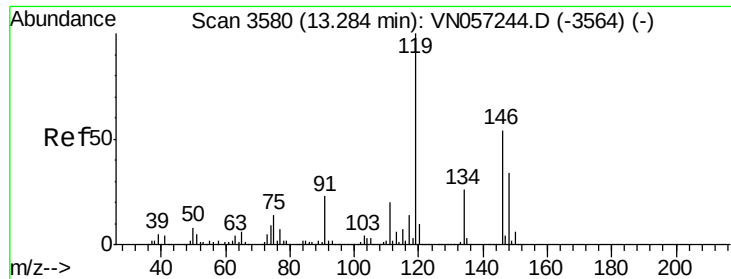
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 21.9 11.1 33.3





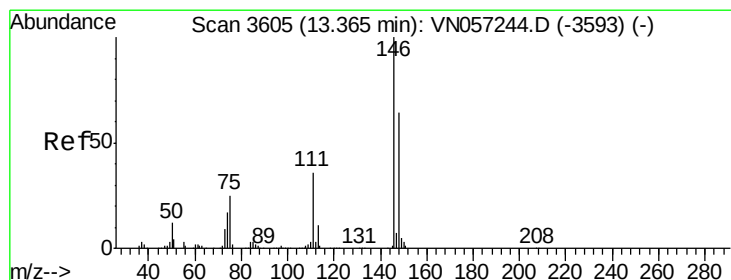
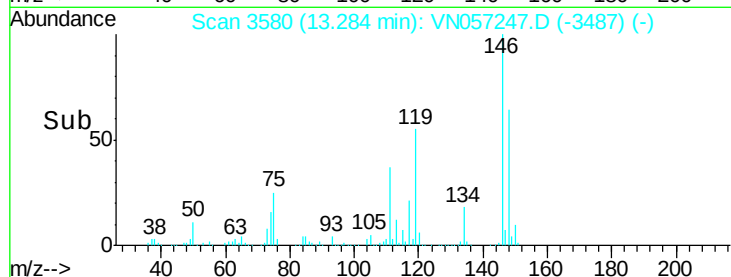
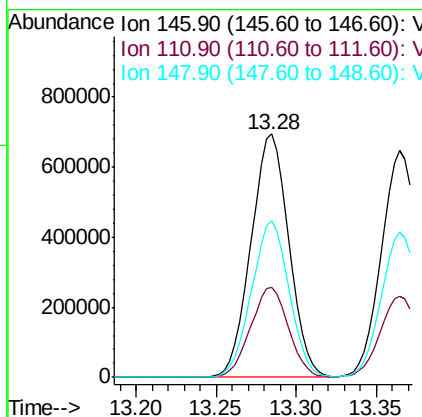
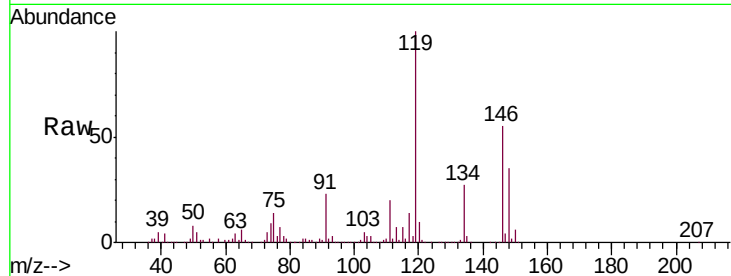
#87
 1,3-Dichlorobenzene
 Concen: 49.541 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	64.0	32.1	96.5

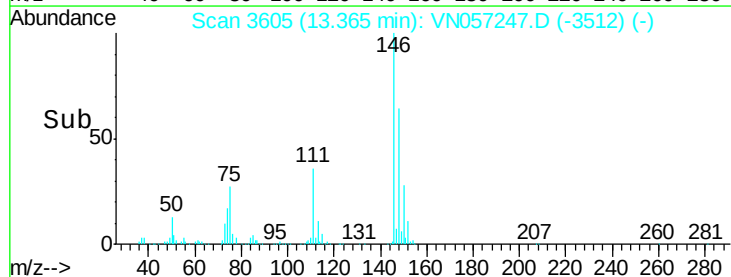
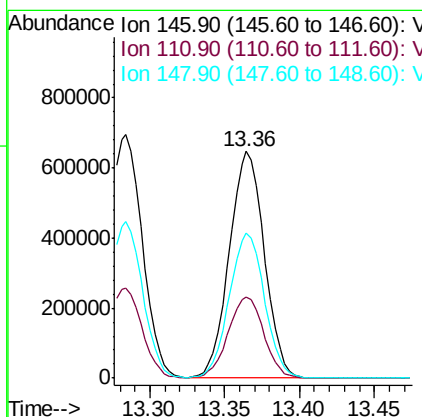
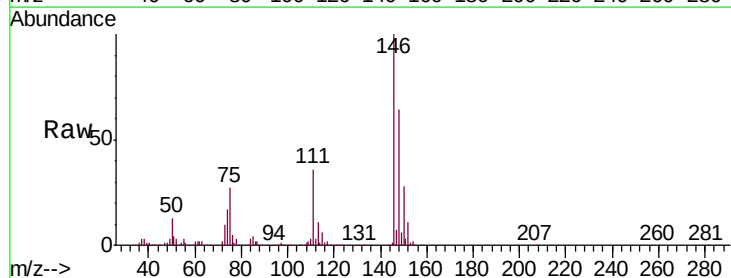
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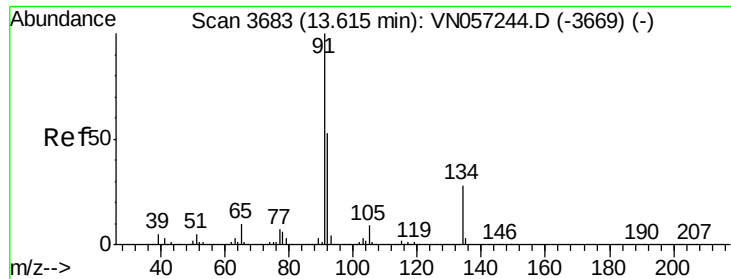
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#88
 1,4-Dichlorobenzene
 Concen: 47.538 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	64.4	32.0	96.0





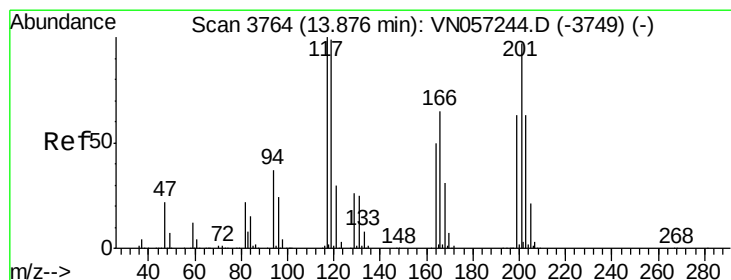
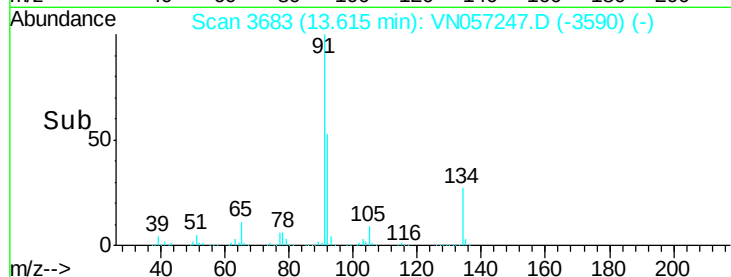
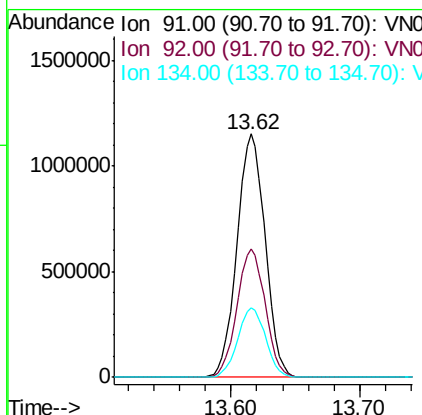
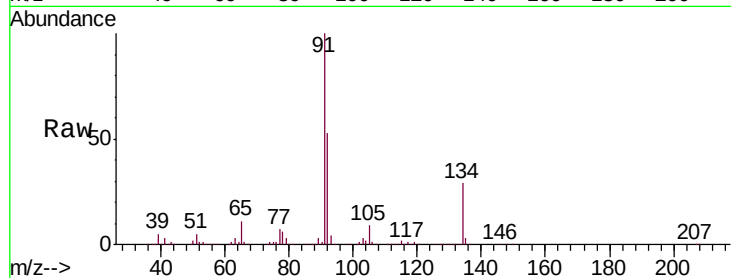
#89
n-Butylbenzene
Concen: 51.471 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion: 91 Resp: 1747085
Ion Ratio Lower Upper
91 100
92 52.9 26.3 78.9
134 28.4 14.1 42.3

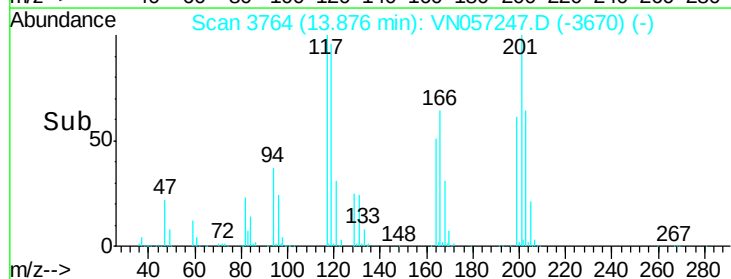
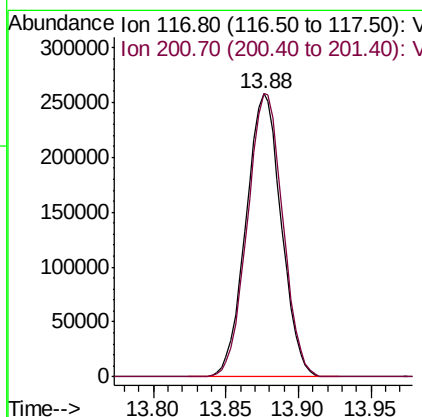
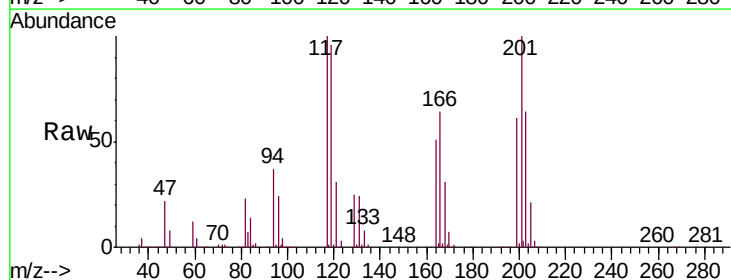
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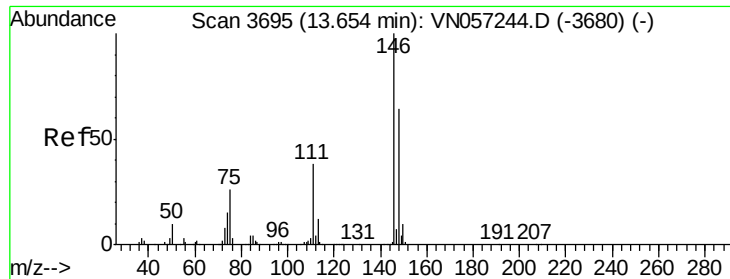
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#90
Hexachloroethane
Concen: 54.378 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion: 117 Resp: 437340
Ion Ratio Lower Upper
117 100
201 100.2 49.5 148.5





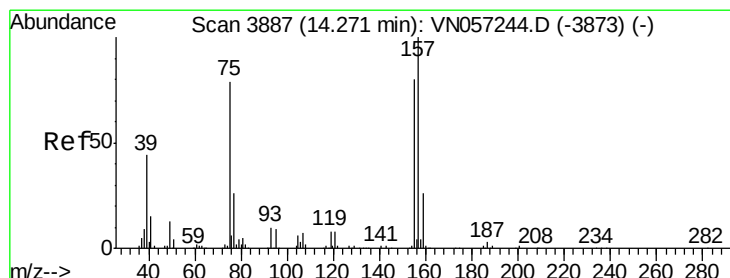
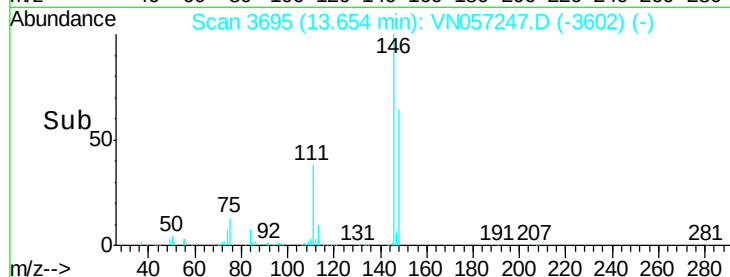
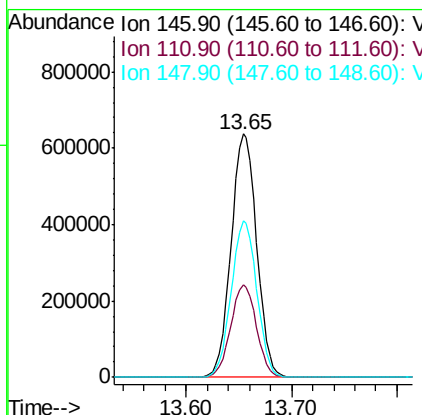
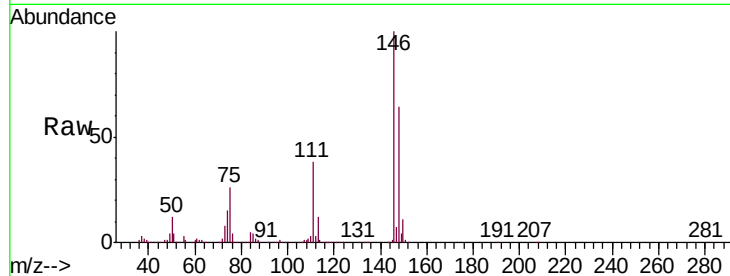
#91
 1,2-Dichlorobenzene
 Concen: 47.970 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.4	31.9	95.5

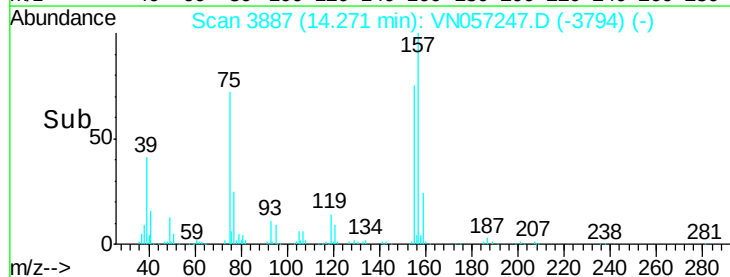
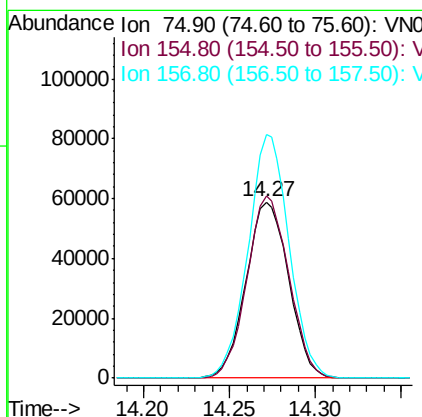
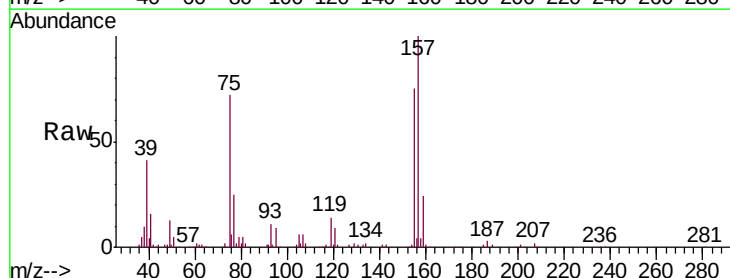
Manual Integrations
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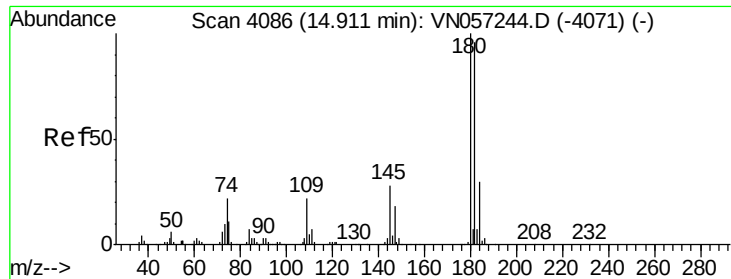
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.959 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	50.3	151.0
157	133.3	65.3	195.9





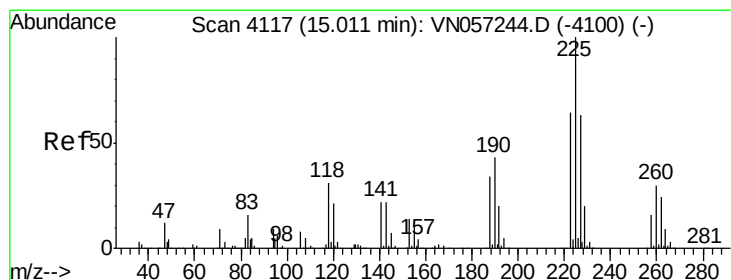
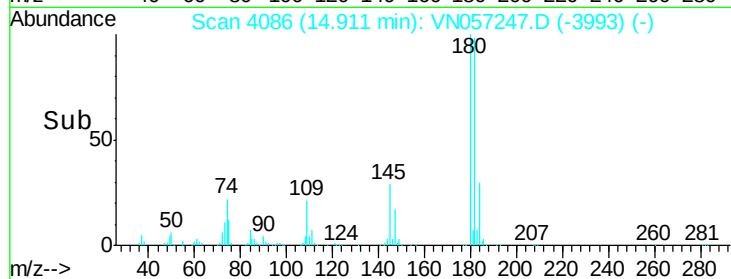
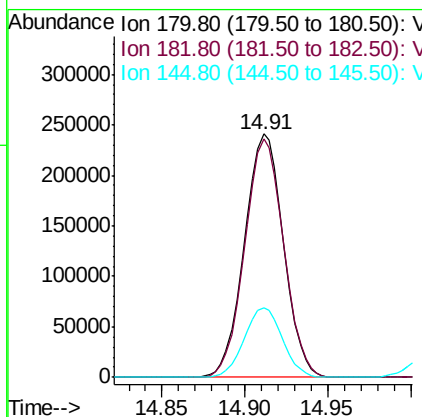
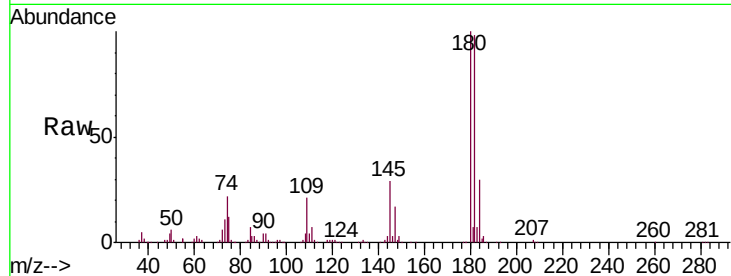
#93
 1,2,4-Trichlorobenzene
 Concen: 45.957 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081319

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	395667		
182	97.5	47.7	143.1	
145	28.1	14.2	42.6	

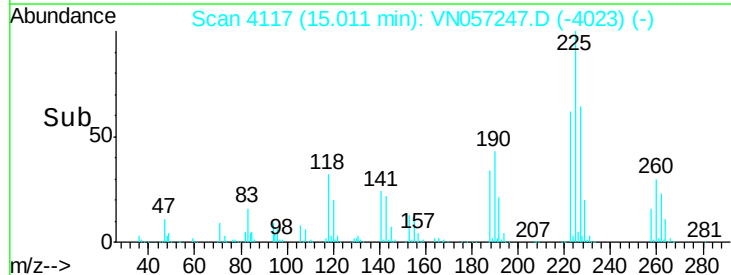
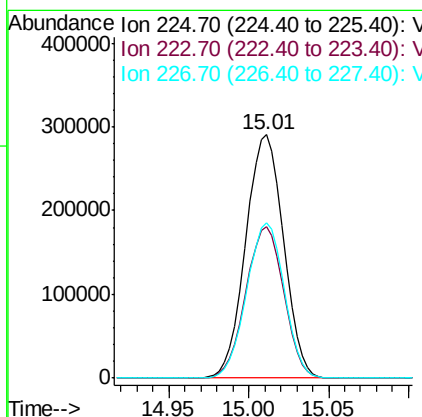
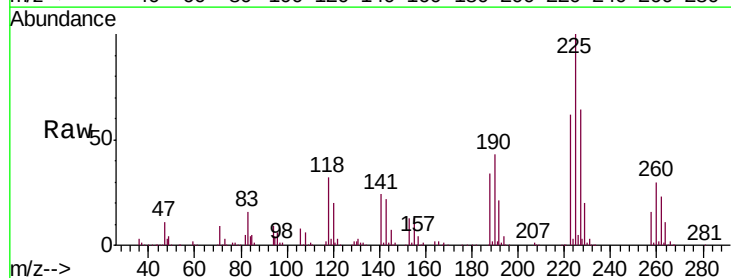
Manual Integrations
 APPROVED

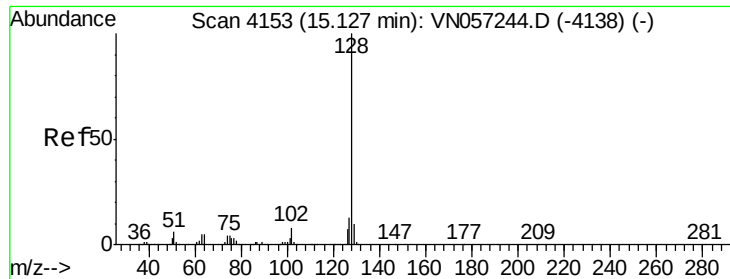
MMDadoda
 8/22/2019 9:48:47 AM



#94
 Hexachlorobutadiene
 Concen: 55.789 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057247.D
 Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	468831		
223	62.5	31.4	94.2	
227	63.8	31.4	94.3	





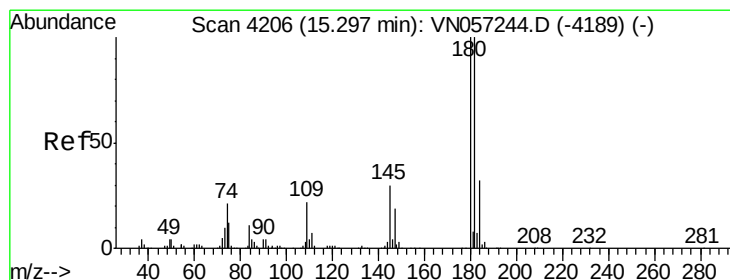
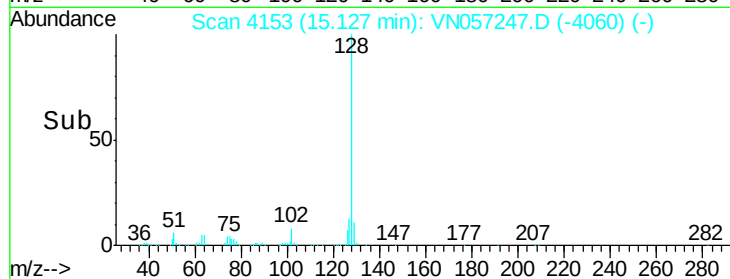
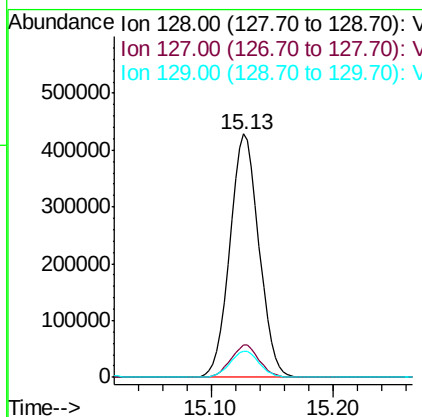
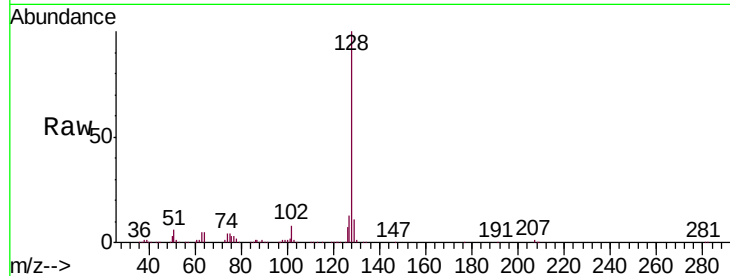
#95
Naphthalene
Concen: 51.288 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081319

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	709897		
127	13.1	10.4	15.6	
129	11.0	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
8/22/2019 9:48:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.313 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN057247.D
Acq: 13 Aug 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	357725		
182	95.4	48.9	146.7	
145	29.3	15.0	45.1	

