

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057244.D
 Acq On : 13 Aug 2019 12:39
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:19 AM

Quant Time: Aug 14 11:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1239804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1788000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1628451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	677051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	651521	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	7.58	113	589390	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	10.09	98	2235183	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.40	95	751888	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	518103	44.883	ug/l	100
3) Chloromethane	2.05	50	598309	39.315	ug/l	100
4) Vinyl Chloride	2.18	62	578369	39.543	ug/l	100
5) Bromomethane	2.54	94	434701m	49.179	ug/l	100
6) Chloroethane	2.69	64	385701	44.274	ug/l	100
7) Trichlorofluoromethane	3.02	101	895670	46.388	ug/l	100
8) Diethyl Ether	3.40	74	327703	44.293	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	534389	46.244	ug/l	100
10) Methyl Iodide	3.95	142	892995	55.957	ug/l	100
11) Tert butyl alcohol	4.75	59	423594	195.007	ug/l	100
12) 1,1-Dichloroethene	3.73	96	528081	45.669	ug/l	100
13) Acrolein	3.60	56	300806	324.153	ug/l	100
14) Allyl chloride	4.31	41	823897	41.998	ug/l	100
15) Acrylonitrile	4.97	53	1226651	194.194	ug/l	100
16) Acetone	3.80	43	1095784	181.682	ug/l	100
17) Carbon Disulfide	4.05	76	1453857	47.299	ug/l	100
18) Methyl Acetate	4.31	43	557384	33.759	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1604288	43.969	ug/l	100
20) Methylene Chloride	4.54	84	602290	44.174	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	565422	46.351	ug/l	100
22) Diisopropyl ether	5.94	45	1586717	41.222	ug/l	100
23) Vinyl Acetate	5.88	43	6520430	209.879	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1000276	44.121	ug/l	100
25) 2-Butanone	6.82	43	1561833	178.355	ug/l	100
26) 2,2-Dichloropropane	6.81	77	851445	50.913	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	661170	47.065	ug/l	100
28) Bromochloromethane	7.19	49	420946	40.218	ug/l	100
29) Tetrahydrofuran	7.20	42	994188	174.829	ug/l	100
30) Chloroform	7.36	83	1017078	44.501	ug/l	100
31) Cyclohexane	7.65	56	865906	40.982	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	909390	49.777	ug/l	100
36) 1,1-Dichloropropene	7.79	75	780479	47.299	ug/l	100
37) Ethyl Acetate	6.91	43	627204	40.218	ug/l	100
38) Carbon Tetrachloride	7.77	117	825213	52.384	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	940223	46.463	ug/l	100
40) Benzene	8.03	78	2348102	46.658	ug/l	100
41) Methacrylonitrile	7.16	41	269105m	39.691	ug/l	
42) 1,2-Dichloroethane	8.12	62	765398	47.891	ug/l	100
43) Isopropyl Acetate	8.16	43	1069823	43.002	ug/l	100
44) Trichloroethene	8.83	130	675267	48.794	ug/l	100
45) 1,2-Dichloropropane	9.11	63	596966	45.032	ug/l	100
46) Dibromomethane	9.20	93	405516	48.790	ug/l	100
47) Bromodichloromethane	9.40	83	805069	50.607	ug/l	100
48) Methyl methacrylate	9.19	41	503662	42.129	ug/l	100
49) 1,4-Dioxane	9.19	88	213390	856.254	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	3095435	194.840	ug/l	100
52) Toluene	10.15	92	1503337	49.937	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	881345	53.008	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	981325	51.077	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	573496	45.833	ug/l	100
56) Ethyl methacrylate	10.43	69	847733	47.631	ug/l	100
57) 1,3-Dichloropropane	10.70	76	952996	46.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1065327	134.970	ug/l	100
59) 2-Hexanone	10.75	43	2255212	198.765	ug/l	100
60) Dibromochloromethane	10.90	129	655377	52.501	ug/l	100
61) 1,2-Dibromoethane	11.00	107	611510	49.017	ug/l	100
64) Tetrachloroethene	10.63	164	670251	47.489	ug/l	100
65) Chlorobenzene	11.43	112	1648778	49.362	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	641324	51.793	ug/l	100
67) Ethyl Benzene	11.51	91	2862108	48.983	ug/l	100
68) m/p-Xylenes	11.62	106	2154983	98.759	ug/l	100
69) o-Xylene	11.95	106	1046772	48.810	ug/l	100
70) Styrene	11.96	104	1734587	50.197	ug/l	100
71) Bromoform	12.13	173	512181	54.432	ug/l	100
73) Isopropylbenzene	12.25	105	2825281	50.809	ug/l	100
74) N-amyl acetate	12.07	43	829825	41.935	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	778791	42.586	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	637439m	43.727	ug/l	
77) Bromobenzene	12.53	156	749676	51.456	ug/l	100
78) n-propylbenzene	12.59	91	3003752	49.183	ug/l	100
79) 2-Chlorotoluene	12.67	91	1842854	48.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2360770	50.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	251170	52.003	ug/l	100
82) 4-Chlorotoluene	12.77	91	1752765	49.006	ug/l	100
83) tert-Butylbenzene	12.99	119	2120213	51.365	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2234210	49.096	ug/l	100
85) sec-Butylbenzene	13.17	105	2633439	50.532	ug/l	100
86) p-Isopropyltoluene	13.29	119	2318925	49.383	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1155391	49.113	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1085430	47.711	ug/l	100
89) n-Butylbenzene	13.62	91	1690249	45.786	ug/l	100
90) Hexachloroethane	13.88	117	436019	55.946	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1115750	46.717	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	110964	39.321	ug/l	100

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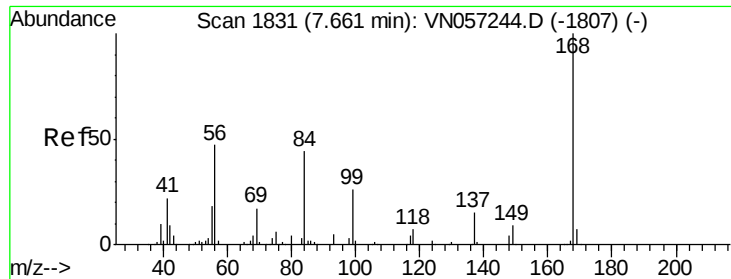
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	417403	40.439	ug/l	100
94) Hexachlorobutadiene	15.01	225	476739	53.739	ug/l	100
95) Naphthalene	15.13	128	761923	28.741	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	369071	35.066	ug/l	100

(#) = 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: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1239804

Ion Ratio Lower Upper

168 100

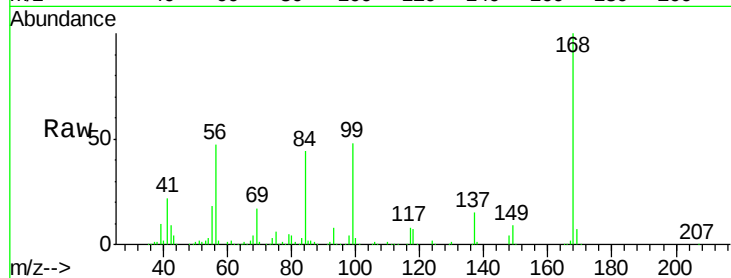
99 48.3 38.6 58.0

Manual Integrations

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8/16/2019 8:58:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

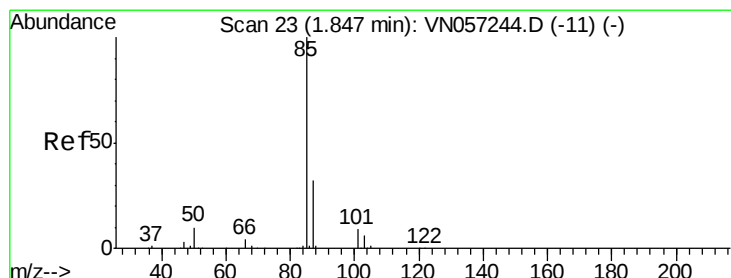
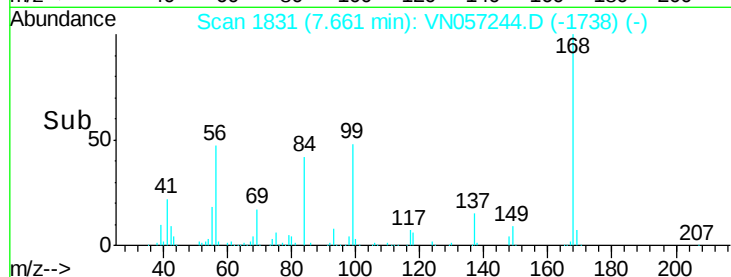
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.883 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057244.D

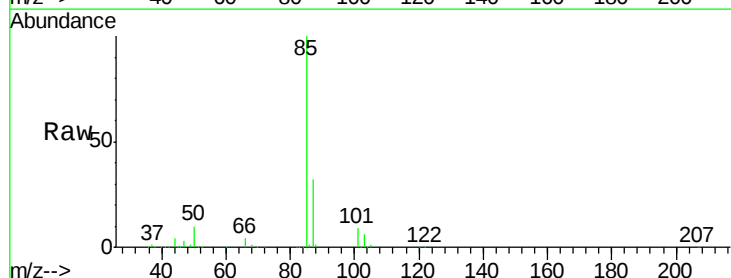
Acq: 13 Aug 2019 12:39

Tgt Ion: 85 Resp: 518103

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

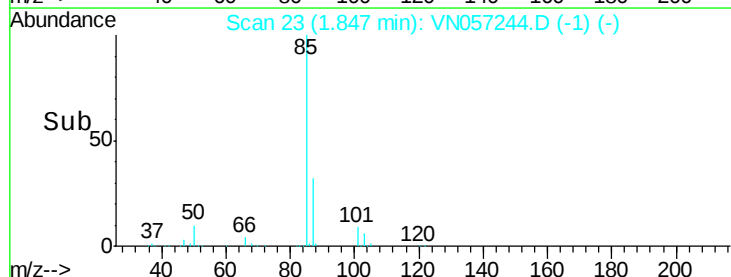
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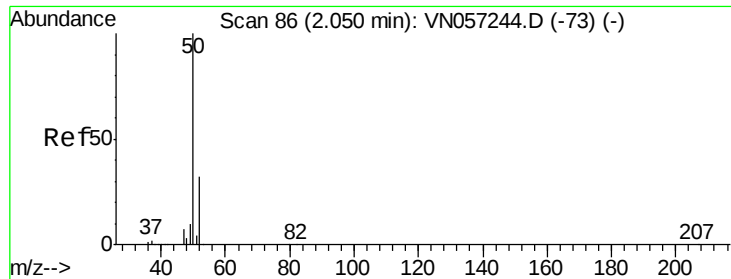
200000

100000

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Time-->





#3

Chloromethane

Concen: 39.315 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 598309

Ion Ratio Lower Upper

50 100

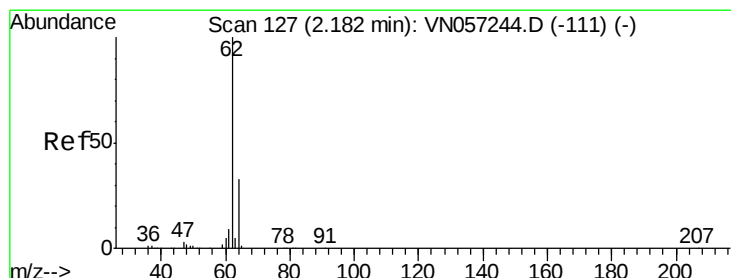
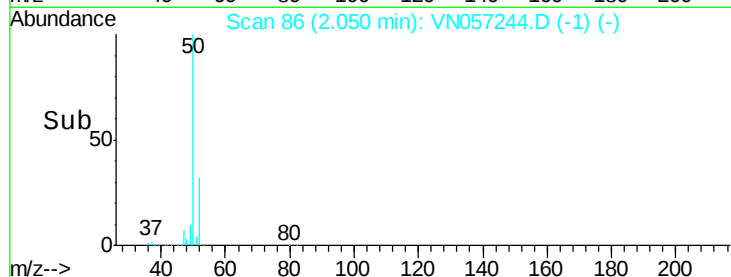
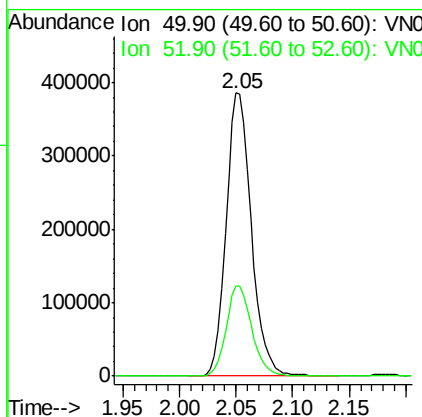
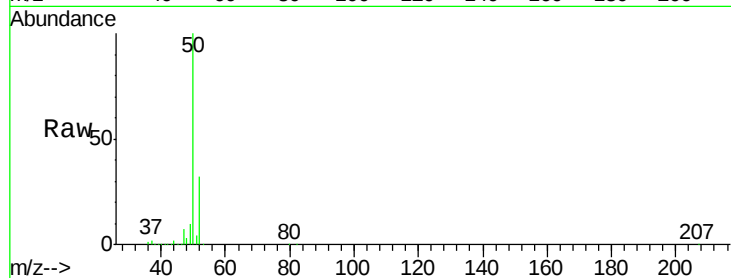
52 32.0 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 39.543 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057244.D

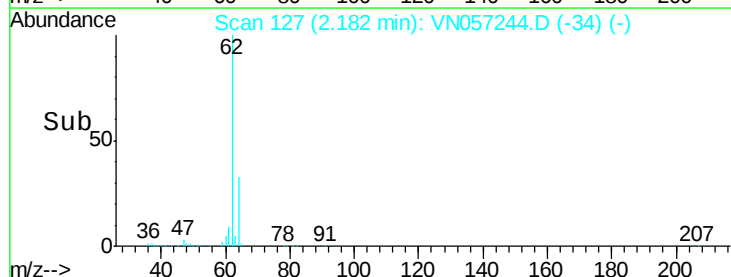
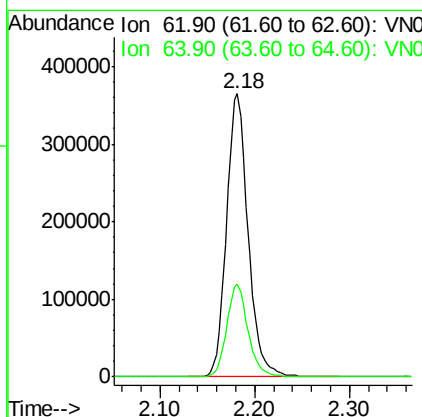
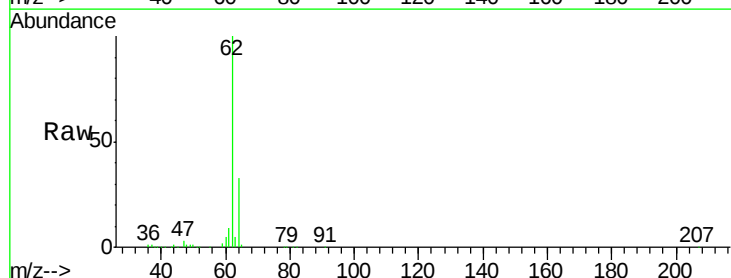
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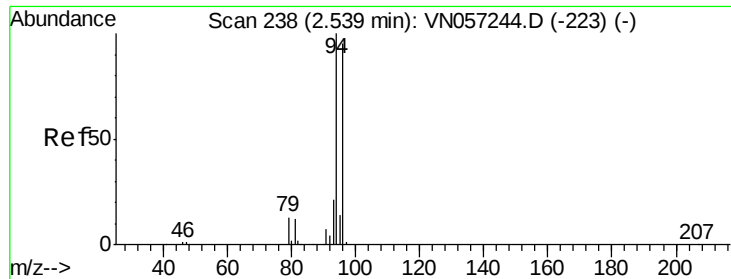
Tgt Ion: 62 Resp: 578369

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 49.179 ug/l m

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tot Ion: 94 Resp: 434701

Ion Ratio Lower Upper

94 100

96 94.6 75.7 113.5

Instrument :

MSVOA_N

ClientSampleId :

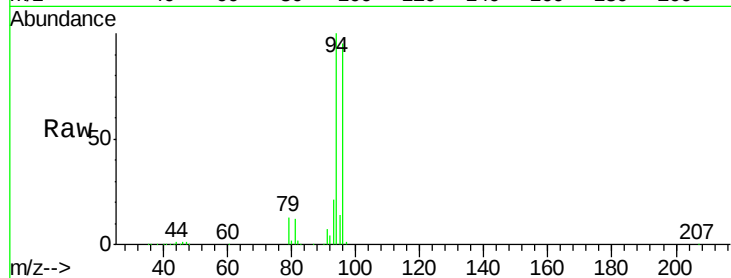
VSTDICCC050

Manual Integrations

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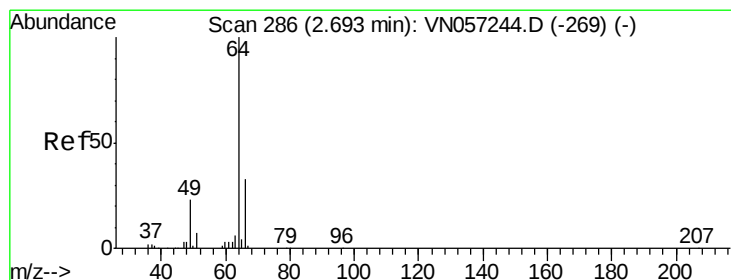
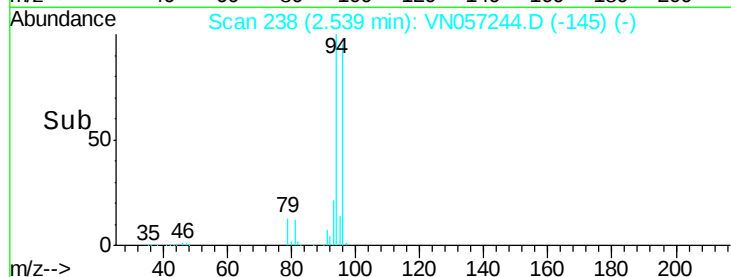
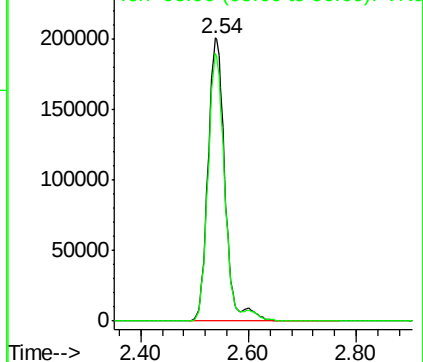
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.274 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057244.D

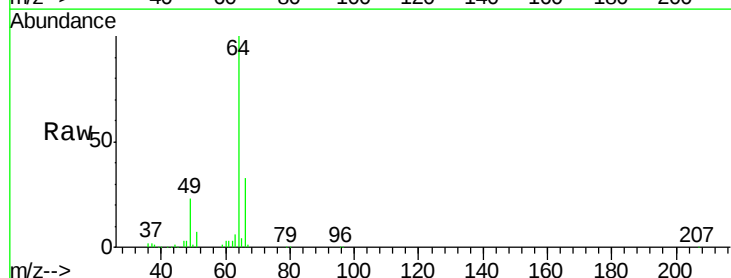
Acq: 13 Aug 2019 12:39

Tgt Ion: 64 Resp: 385701

Ion Ratio Lower Upper

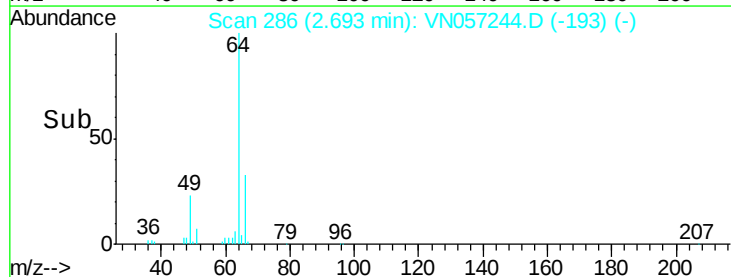
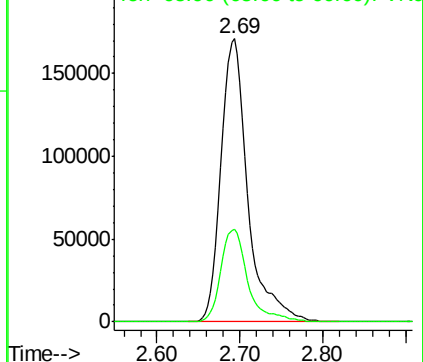
64 100

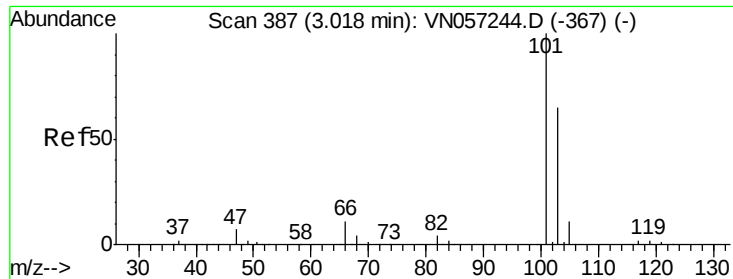
66 32.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

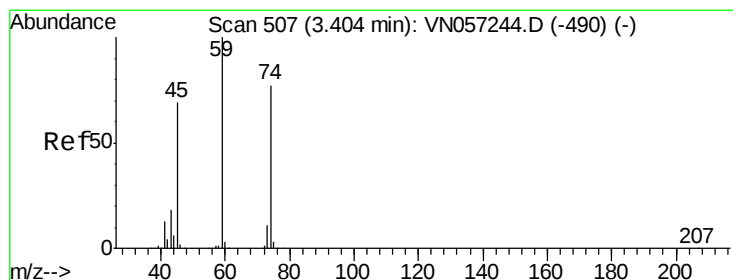
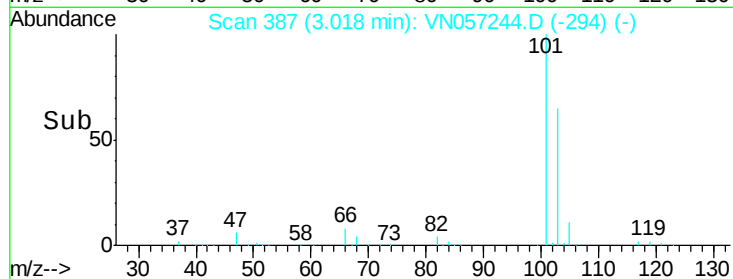
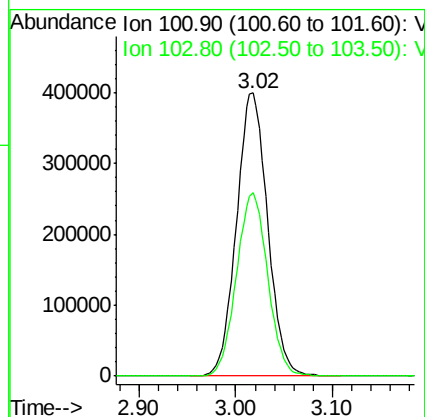
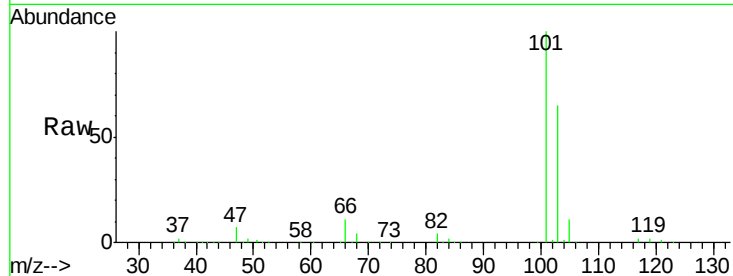
Trichlorofluoromethane
Concen: 46.388 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	895670		
103	64.7	51.8	77.6	

Manual Integrations
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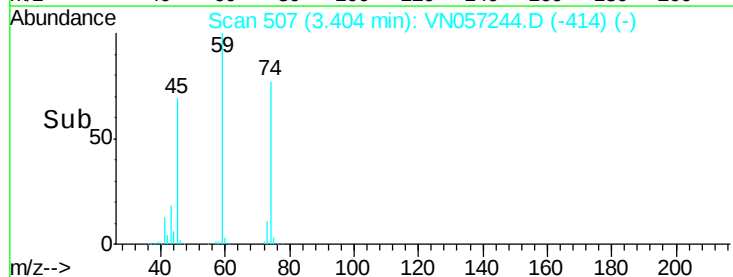
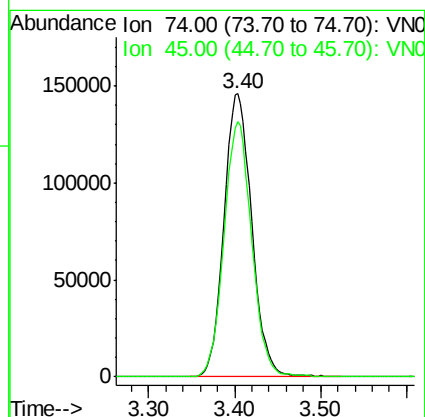
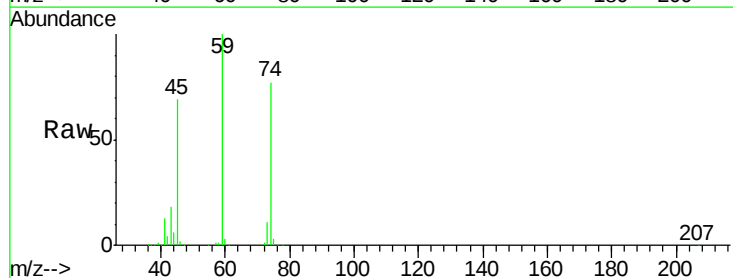
MMDadoda
8/16/2019 8:58:19 AM

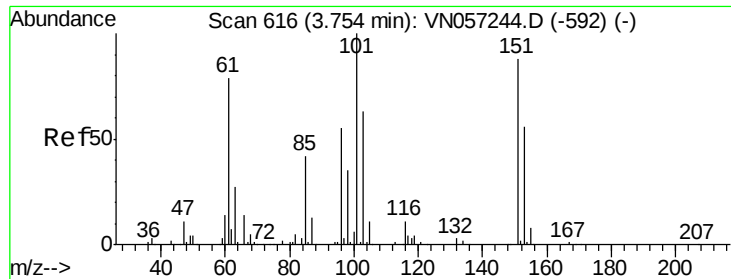


#8

Diethyl Ether
Concen: 44.293 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	327703		
45	90.1	45.1	135.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.244 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

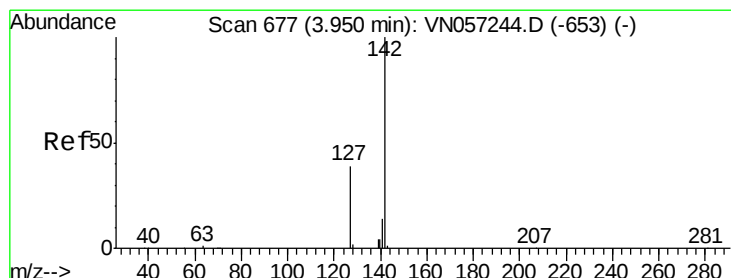
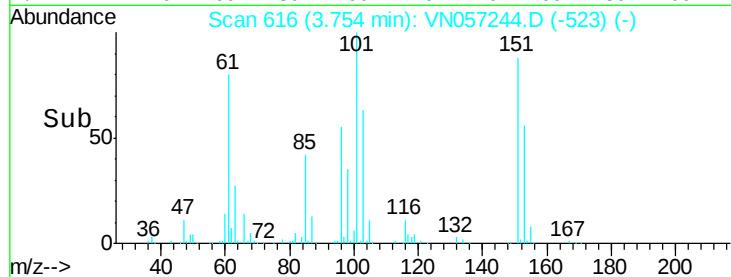
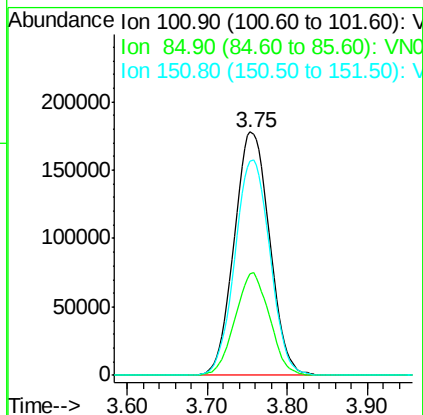
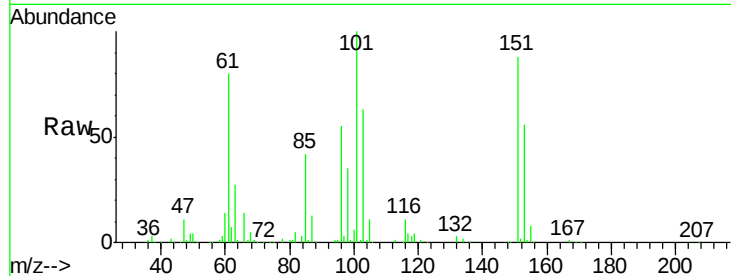
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	534389
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.7	49.1
151	87.6	70.1	105.1

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#10

Methyl Iodide

Concen: 55.957 ug/l

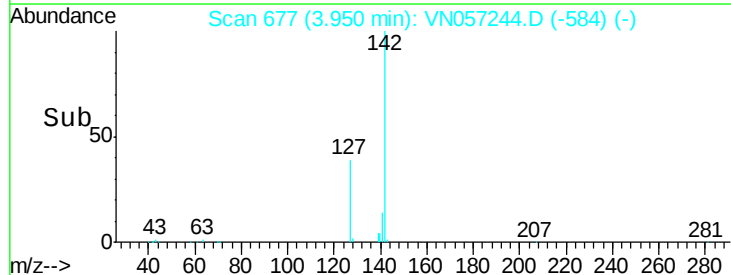
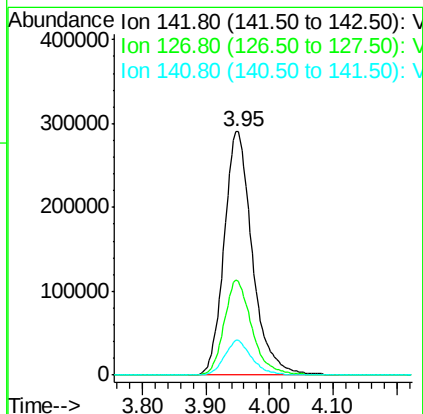
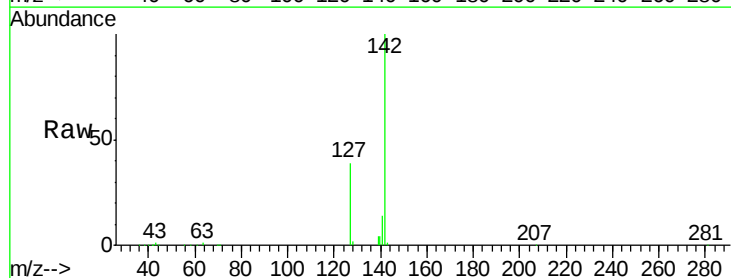
RT: 3.95 min Scan# 677

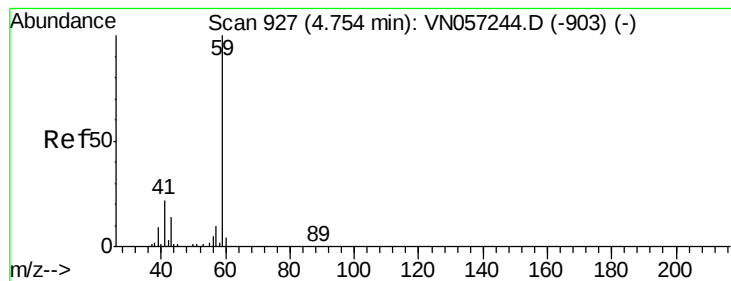
Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion:	142	Resp:	892995
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.7	46.1
141	13.8	11.0	16.6





#11

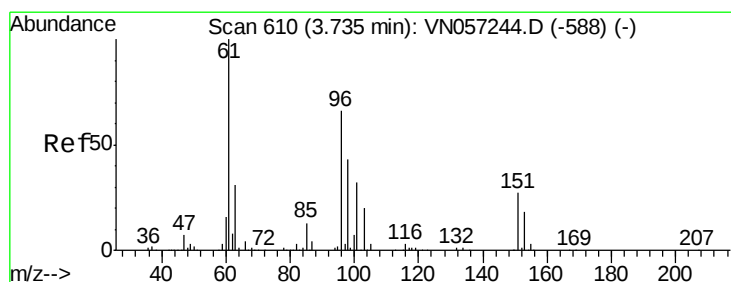
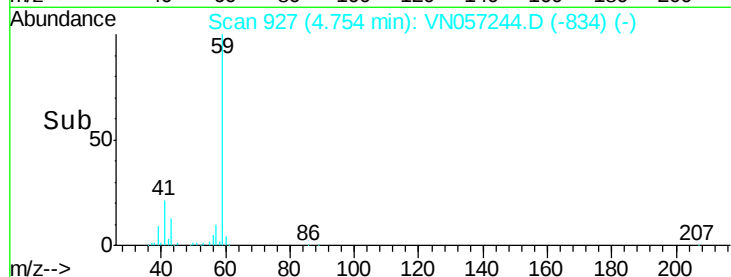
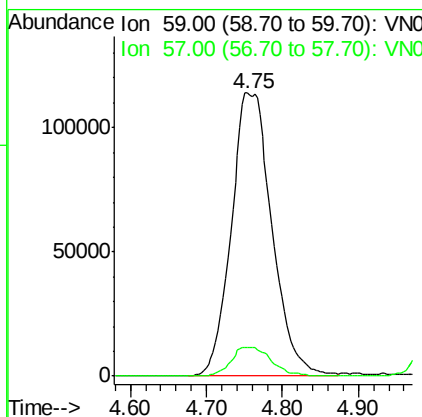
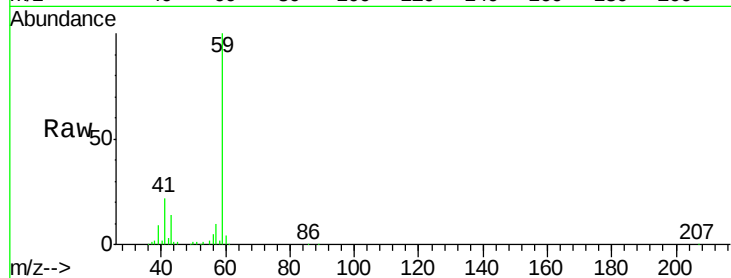
Tert butyl alcohol
 Concen: 195.007 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	3.4	5.2

Manual Integrations
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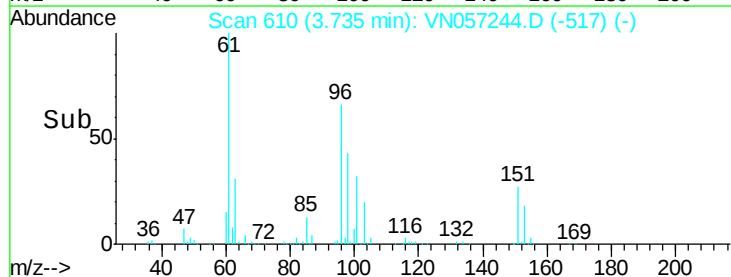
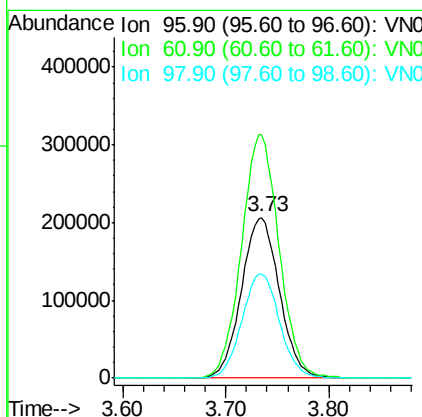
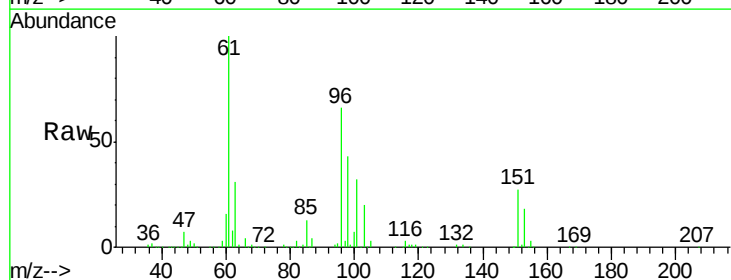
MMDadoda
 8/16/2019 8:58:19 AM

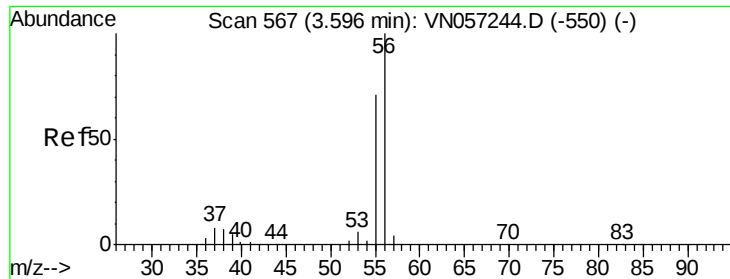


#12

1,1-Dichloroethene
 Concen: 45.669 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.4	121.1	181.7
98	65.0	52.0	78.0





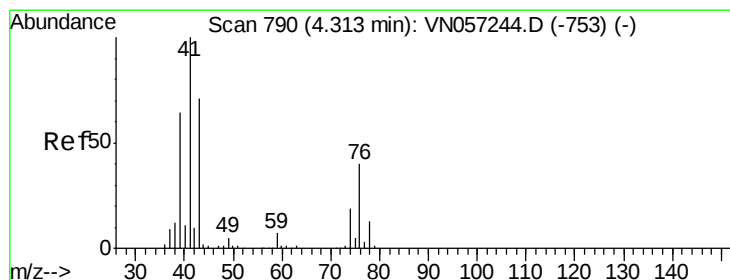
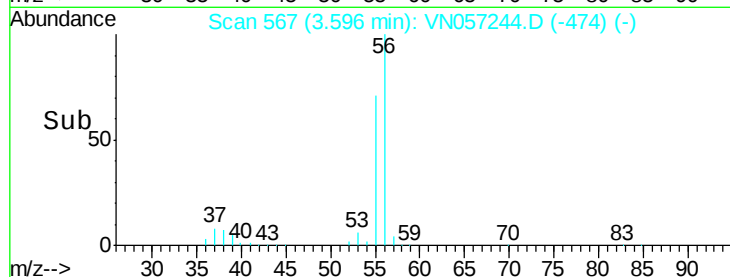
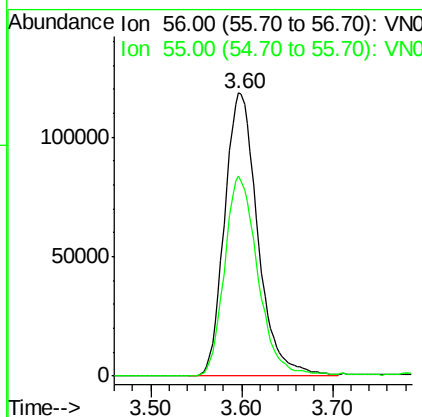
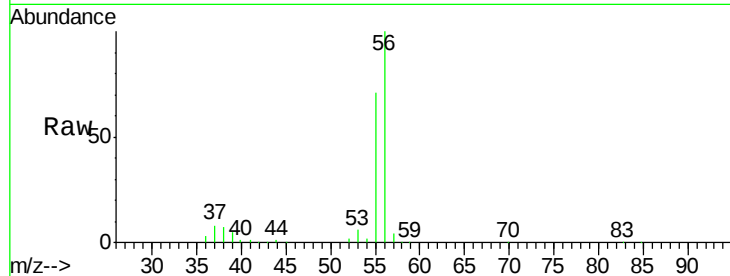
#13
Acrolein
Concen: 324.153 ug/l
RT: 3.60 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Ratio	100	Resp	300806
Ion	56	55	Ratio	100	Lower	Upper
					56.6	84.8

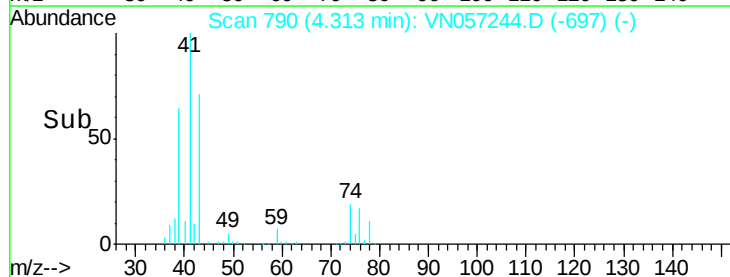
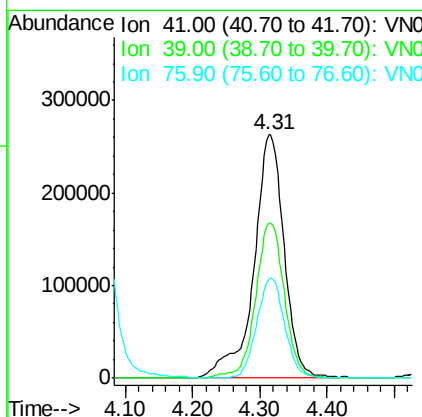
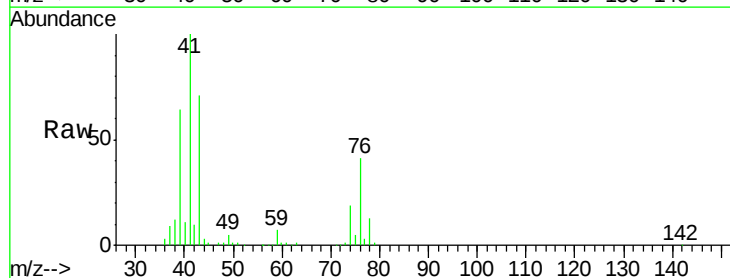
Manual Integrations
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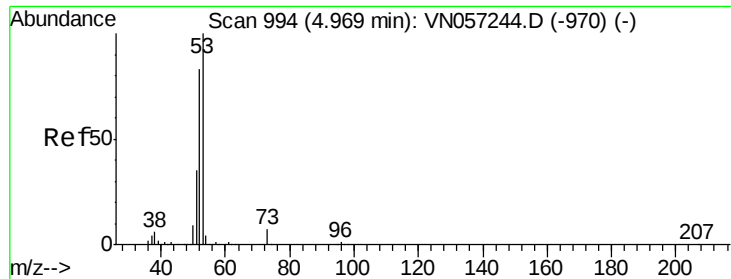
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#14
Allyl chloride
Concen: 41.998 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	41	39	76	Ratio	100	Resp	823897
Ion	41	39	76	Ratio	100	Lower	Upper
						48.5	72.7
						29.8	44.8





#15

Acrylonitrile

Concen: 194.194 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

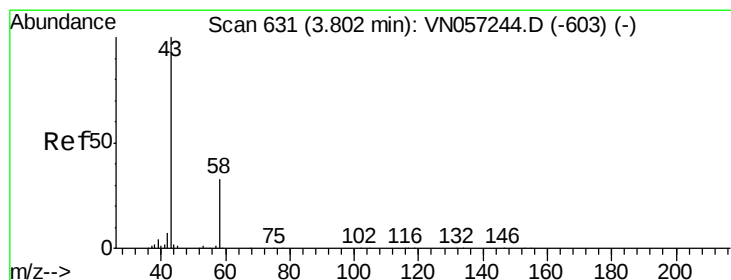
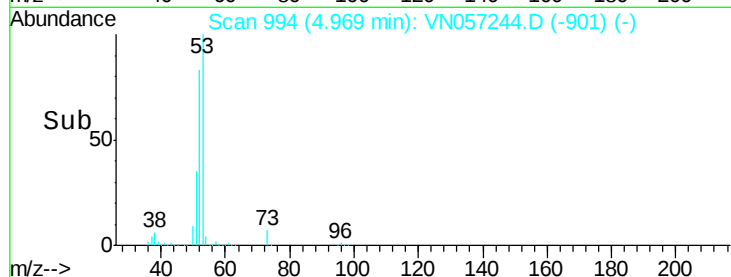
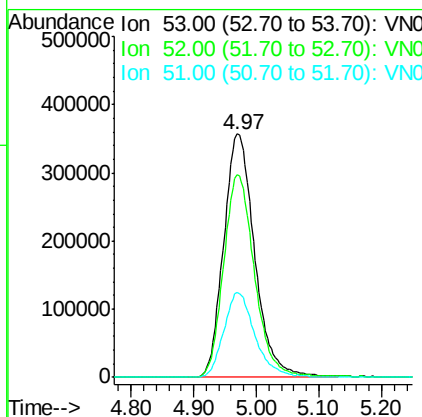
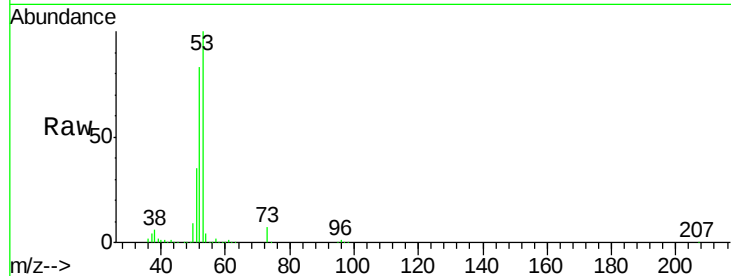
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	1226651
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.9	98.9
51	34.7	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 181.682 ug/l

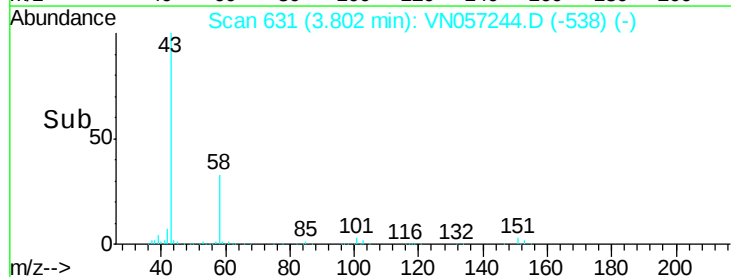
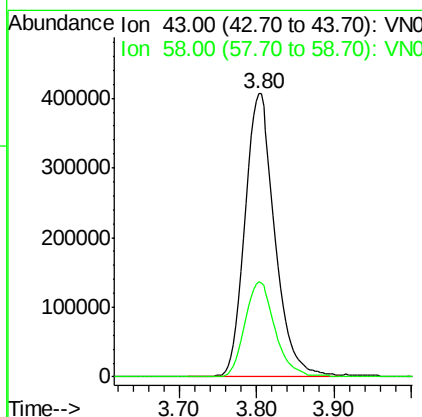
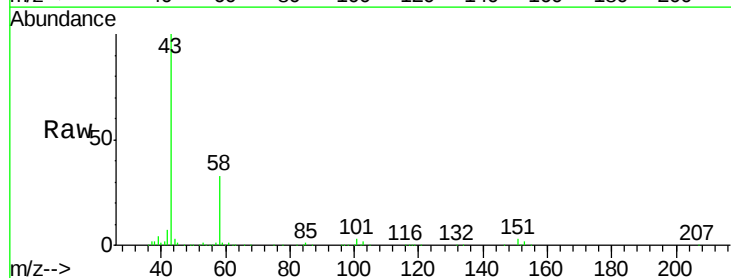
RT: 3.80 min Scan# 631

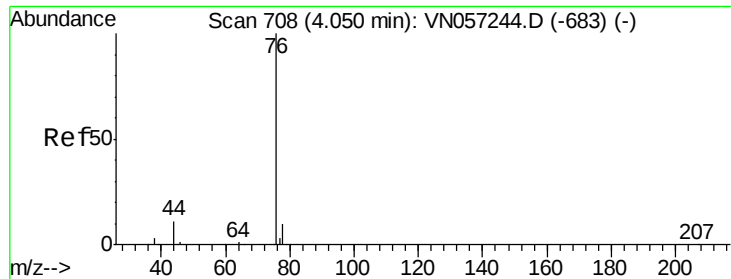
Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion:	43	Resp:	1095784
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.7	40.1





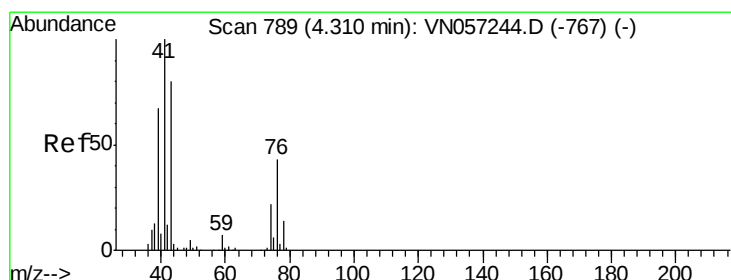
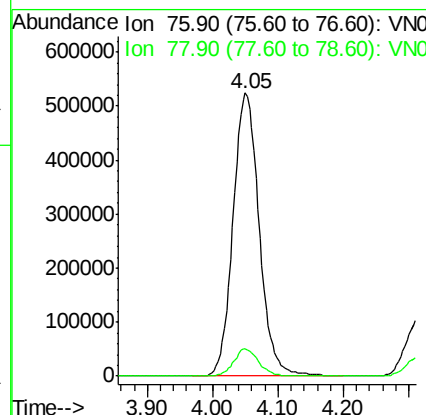
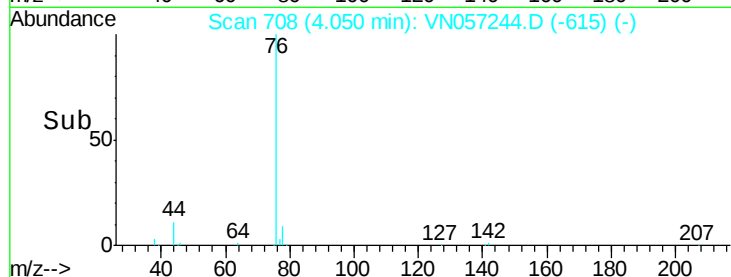
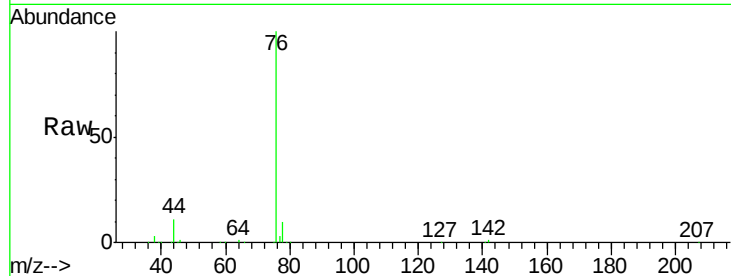
#17
Carbon Disulfide
Concen: 47.299 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1453857
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5

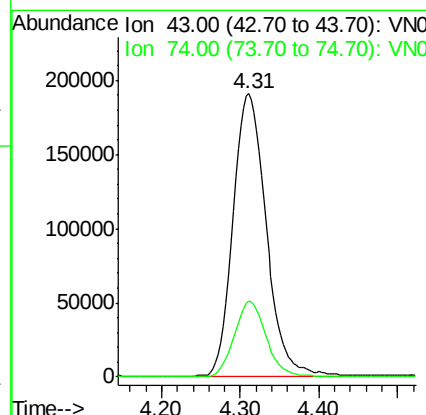
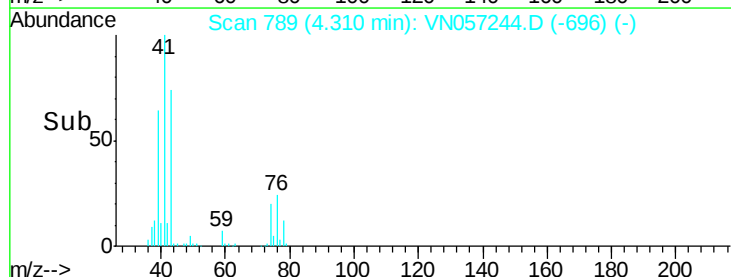
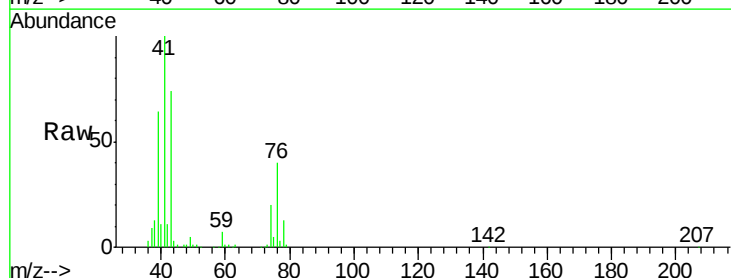
Manual Integrations
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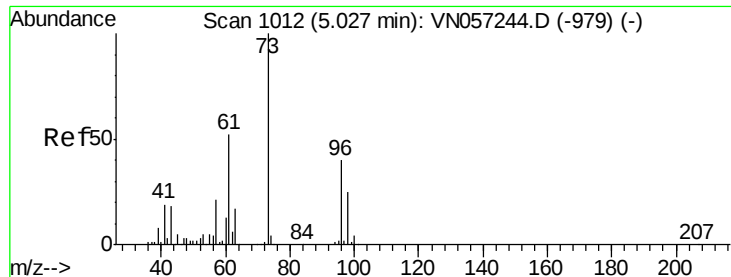
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#18
Methyl Acetate
Concen: 33.759 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion: 43 Resp: 557384
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0





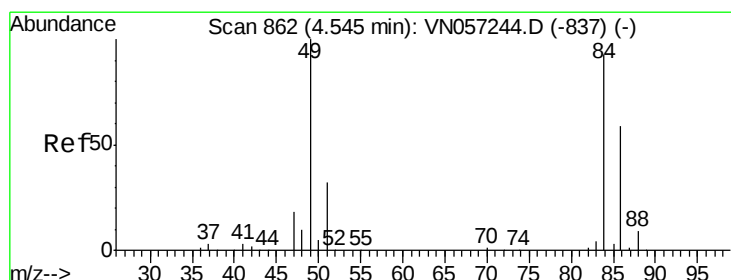
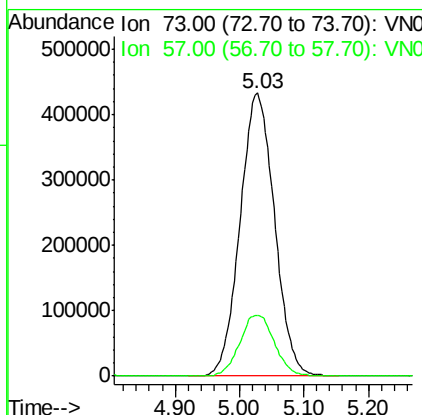
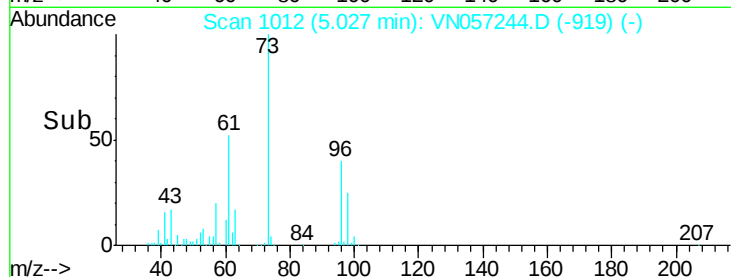
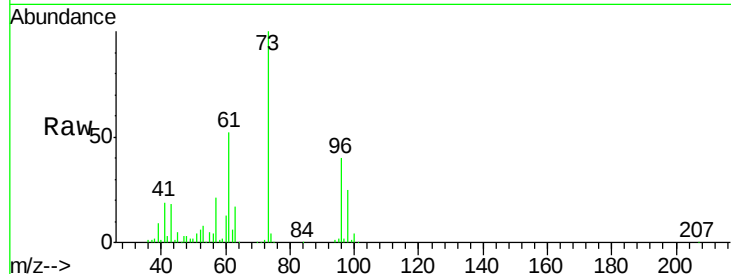
#19
Methvl tert-butvl Ether
Concen: 43.969 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1604288
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

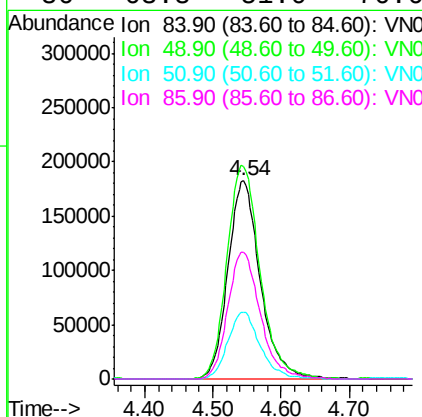
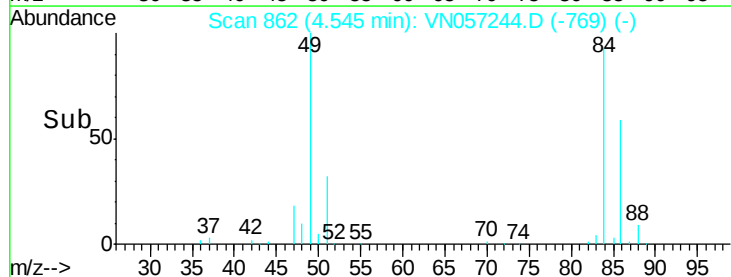
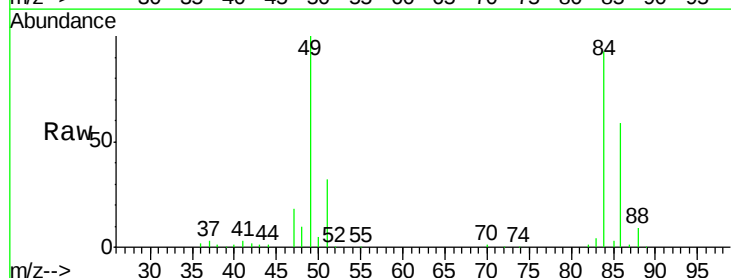
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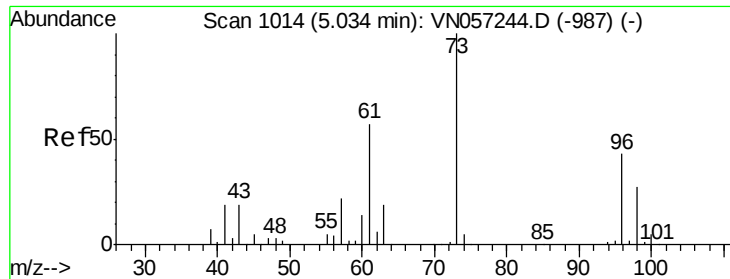
MMDadoda
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#20
Methylene Chloride
Concen: 44.174 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion: 84 Resp: 602290
Ion Ratio Lower Upper
84 100
49 107.4 85.9 128.9
51 33.9 27.1 40.7
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.351 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 565422

Ion Ratio Lower Upper

96 100

61 130.7 104.6 156.8

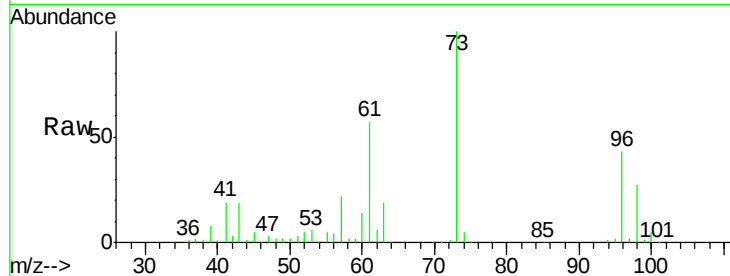
98 62.1 49.7 74.5

Manual Integrations

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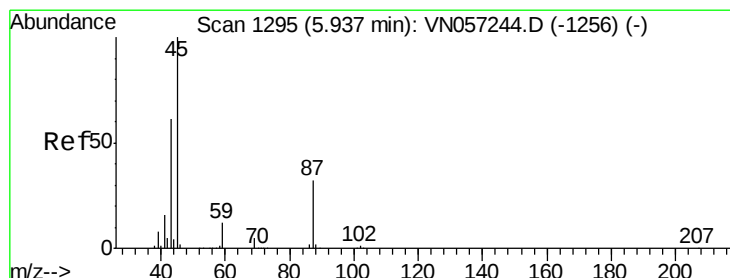
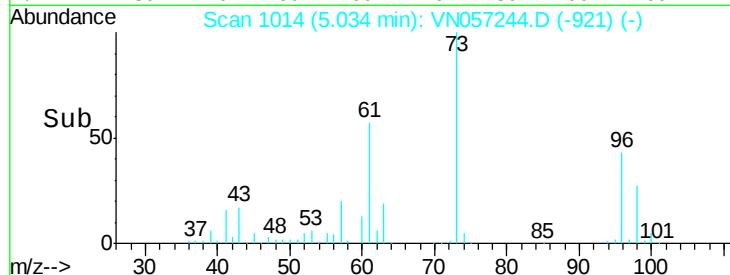
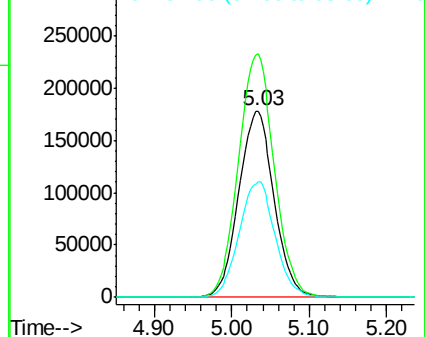


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 41.222 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion: 45 Resp: 1586717

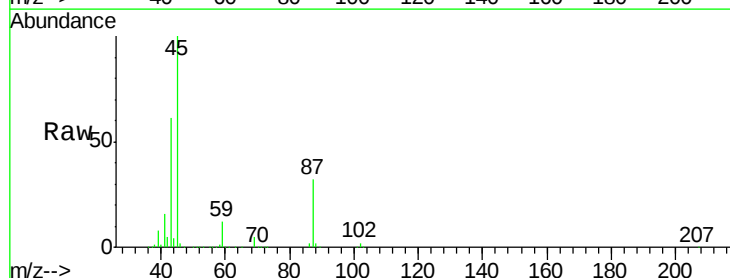
Ion Ratio Lower Upper

45 100

43 61.1 48.9 73.3

87 31.9 25.5 38.3

59 12.1 9.7 14.5



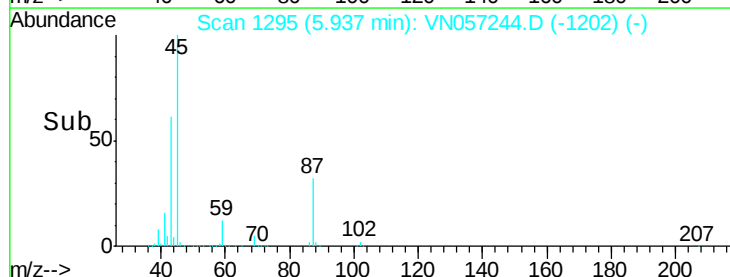
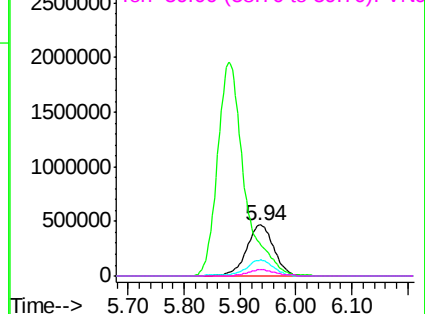
Abundance

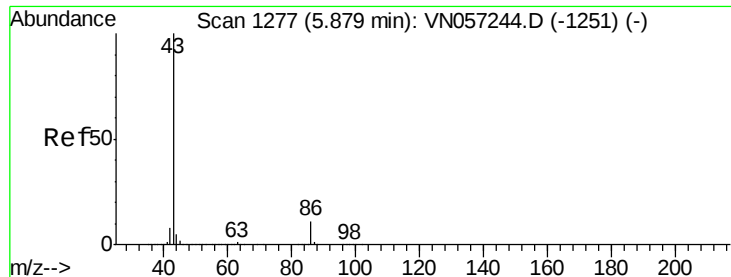
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 209.879 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 6520430

Ion Ratio Lower Upper

43 100

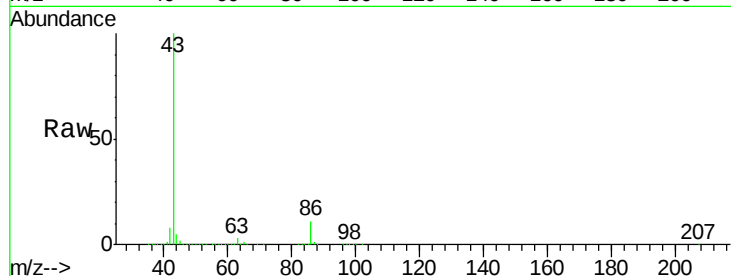
86 11.5 9.2 13.8

Manual Integrations

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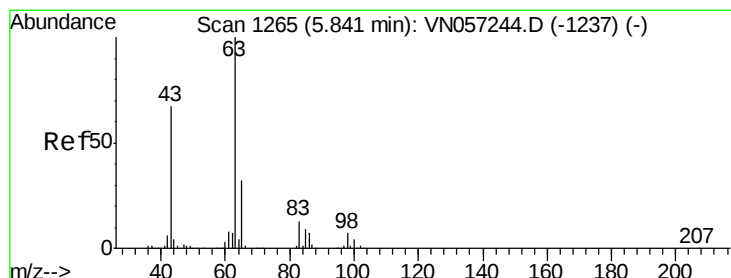
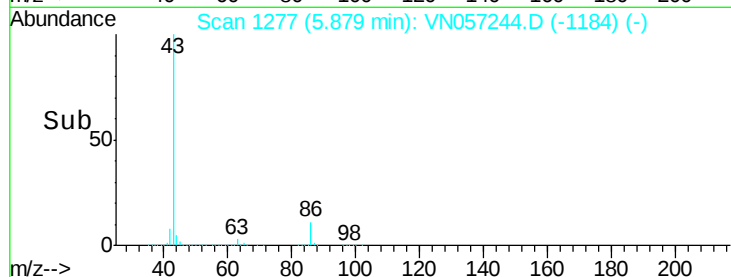
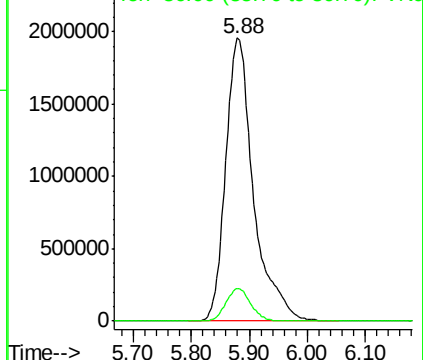
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC



#24

1,1-Dichloroethane

Concen: 44.121 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

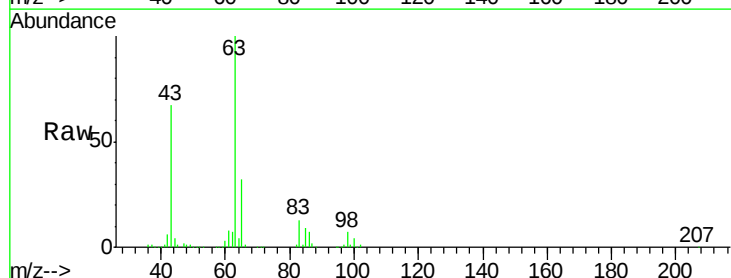
Tgt Ion: 63 Resp: 1000276

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

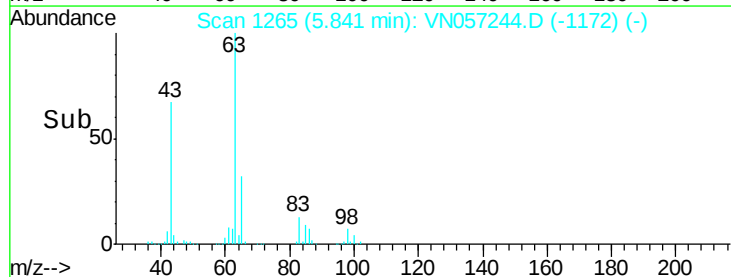
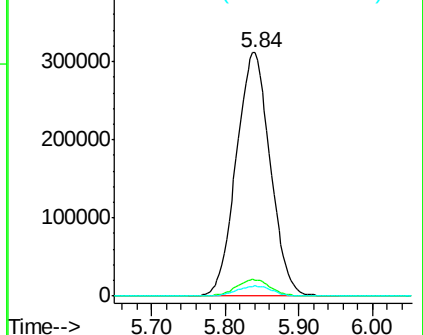
100 4.1 2.1 6.2

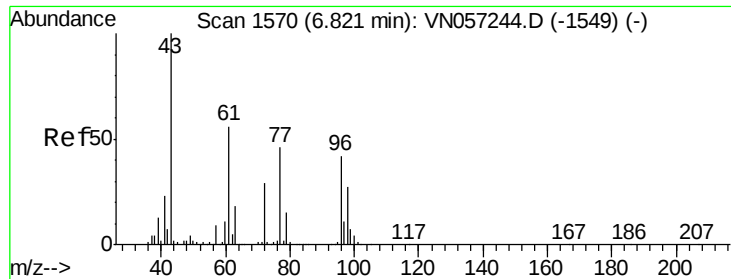


Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

Ion 99.90 (99.60 to 100.60): VNC





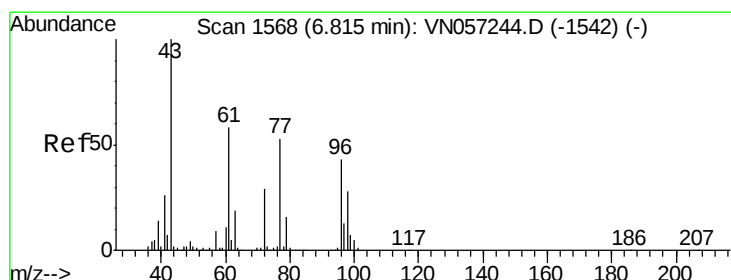
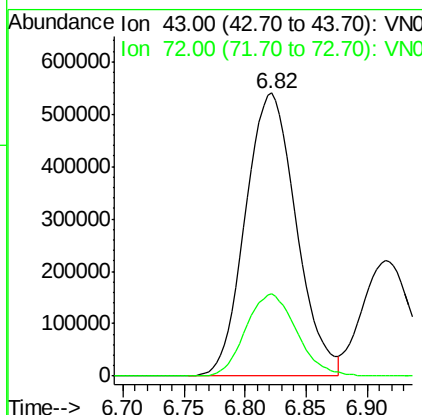
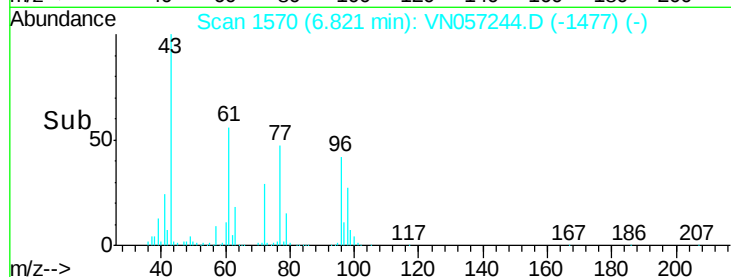
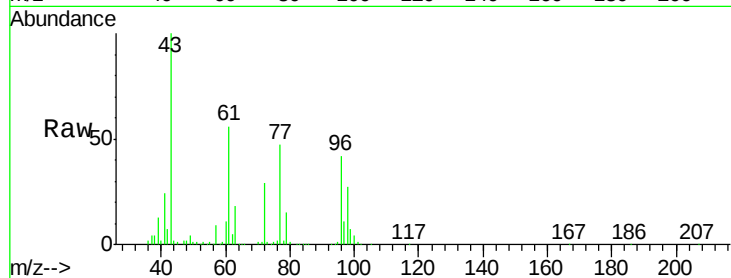
#25
2-Butanone
Concen: 178.355 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1561833
Ion Ratio Lower Upper
43 100
72 28.9 23.1 34.7

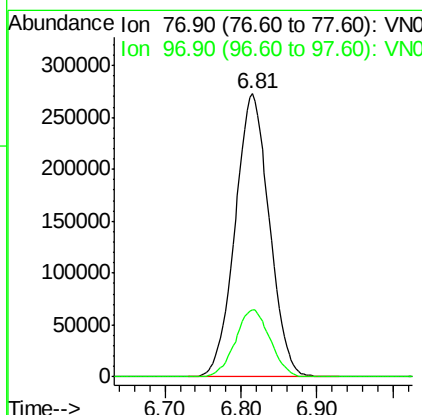
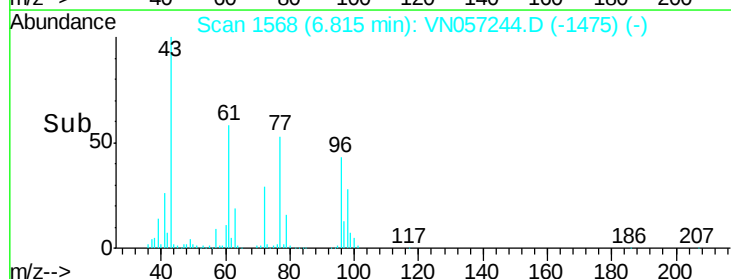
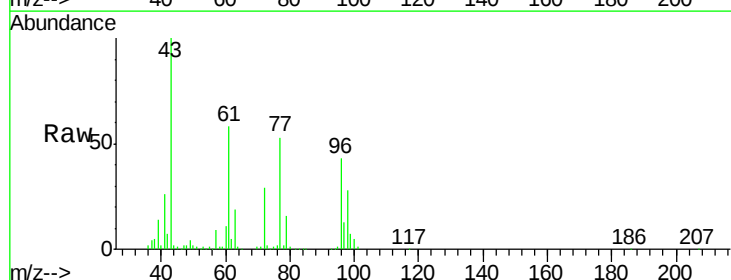
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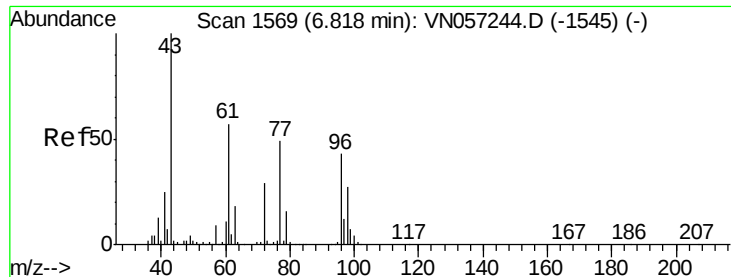
MMDadoda
8/16/2019 8:58:19 AM



#26
2,2-Dichloropropane
Concen: 50.913 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion: 77 Resp: 851445
Ion Ratio Lower Upper
77 100
97 24.2 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 47.065 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

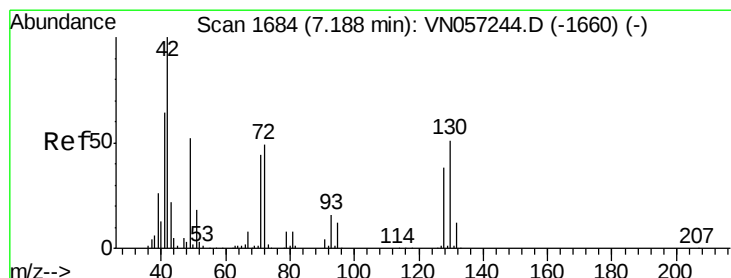
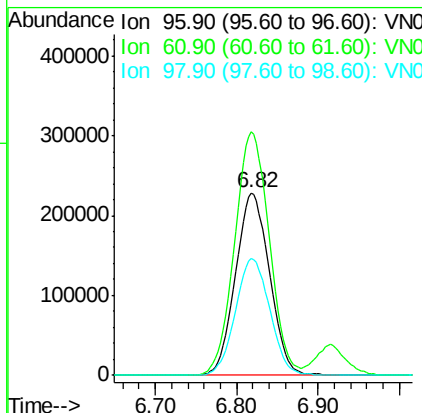
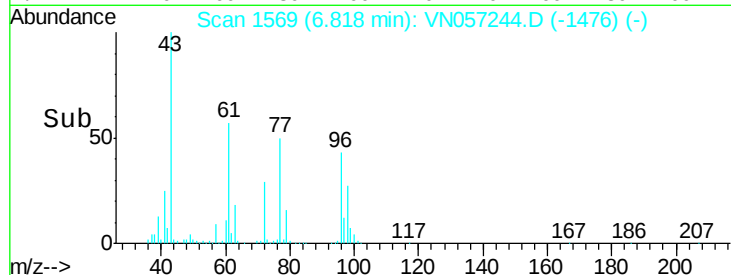
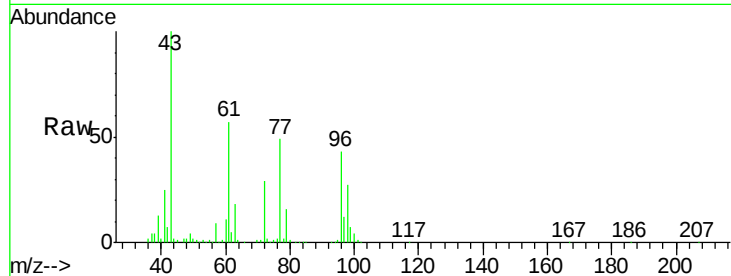
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	661170
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: 40.218 ug/l

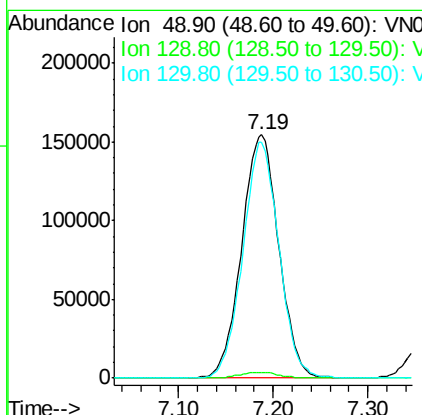
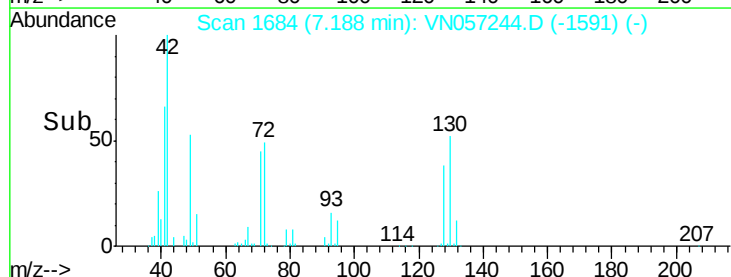
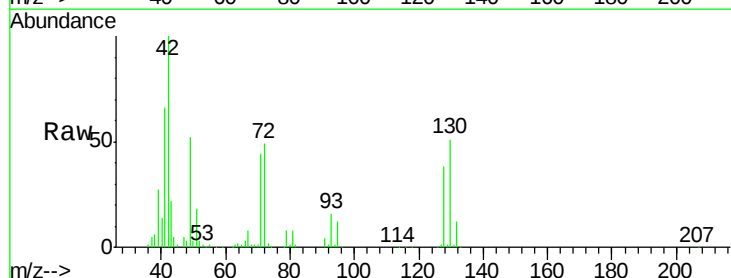
RT: 7.19 min Scan# 1684

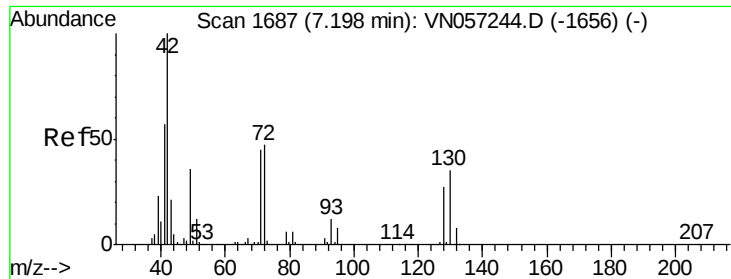
Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion:	49	Resp:	420946
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	94.5	75.6	113.4





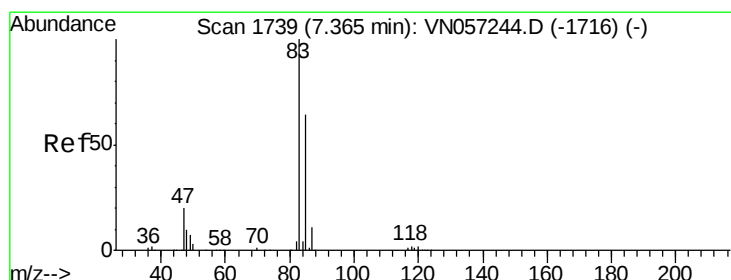
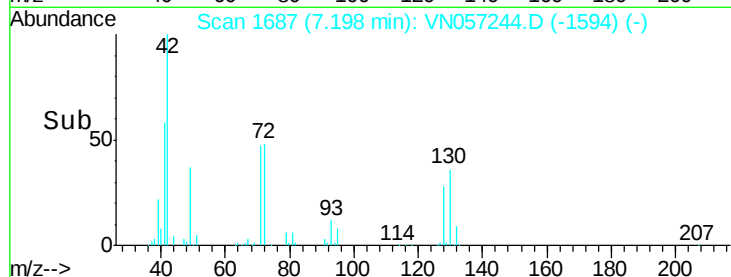
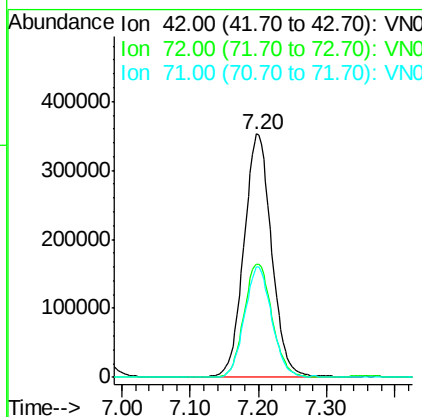
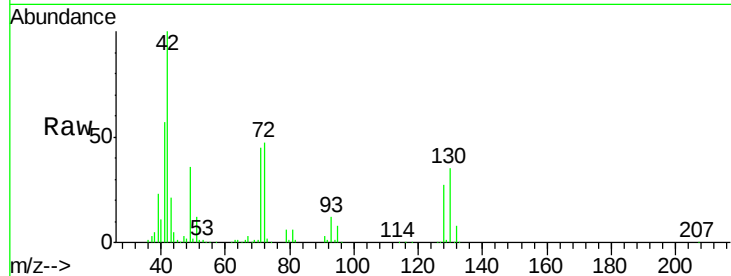
#29
Tetrahydrofuran
Concen: 174.829 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.6	56.4
71	44.5	35.6	53.4

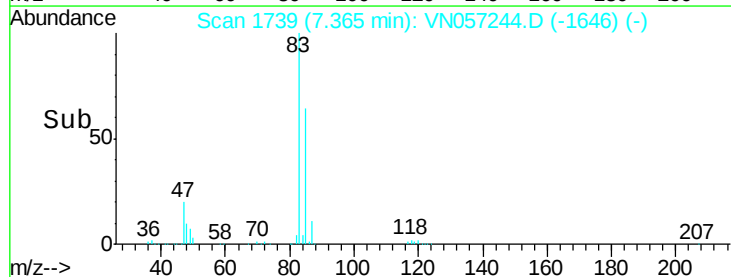
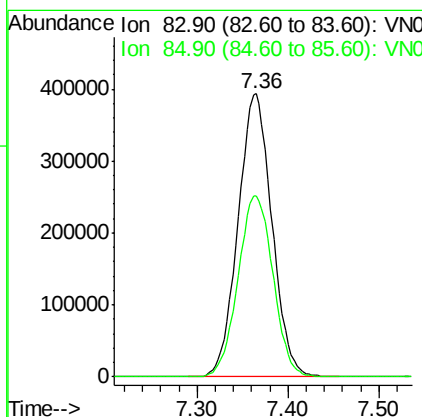
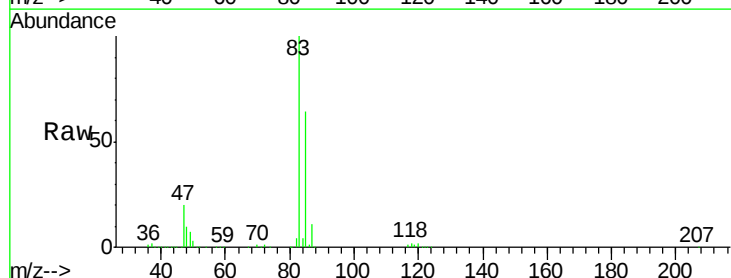
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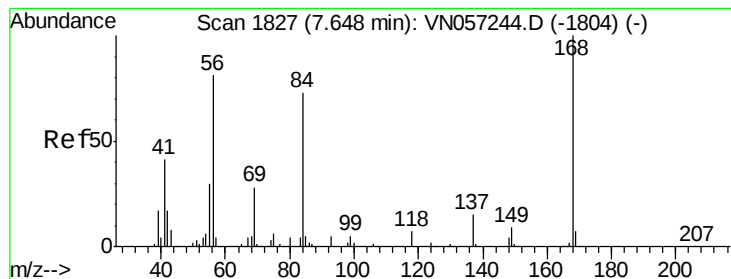
MMDadoda
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#30
Chloroform
Concen: 44.501 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





#31

Cyclohexane

Concen: 40.982 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 865906

Ion Ratio Lower Upper

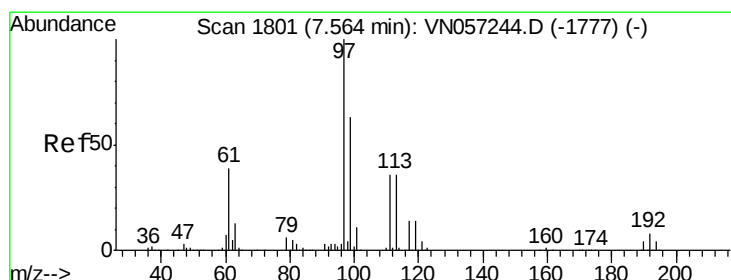
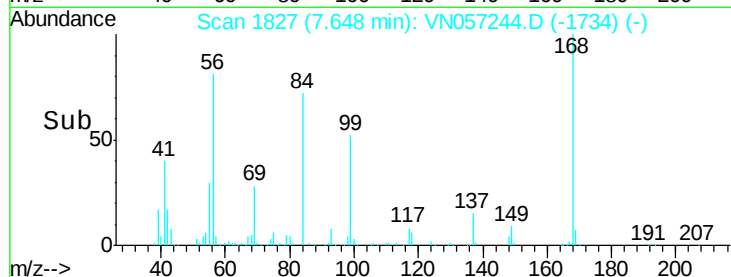
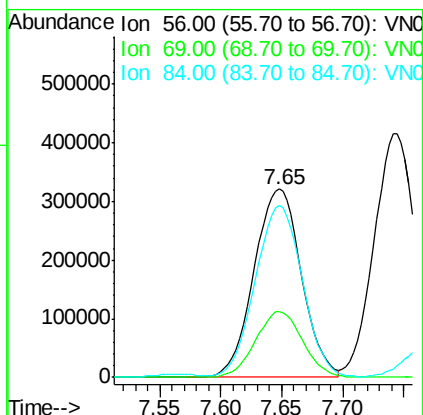
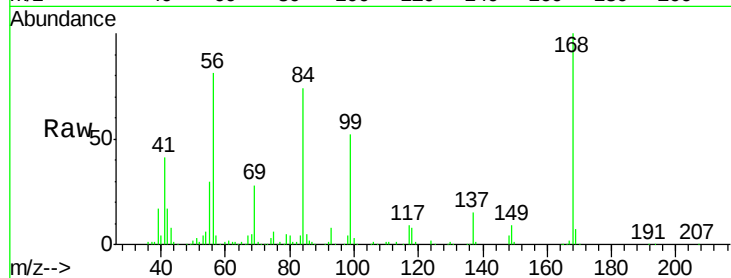
56 100

69 34.8 27.8 41.8

84 90.0 72.0 108.0

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#32

1,1,1-Trichloroethane

Concen: 49.777 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

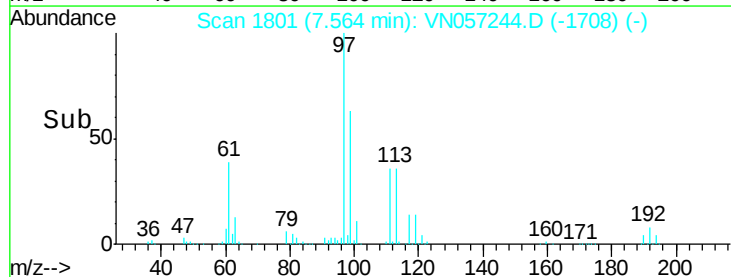
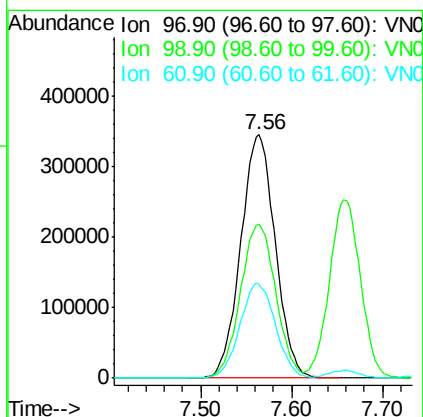
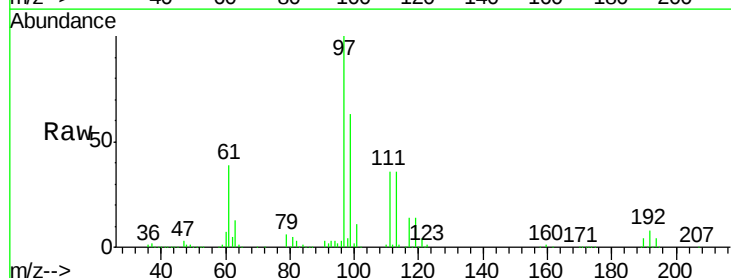
Tgt Ion: 97 Resp: 909390

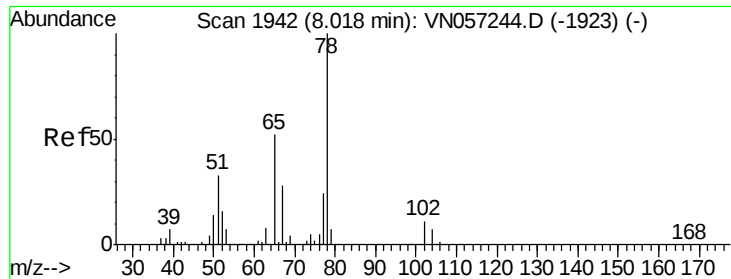
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 40.1 32.1 48.1





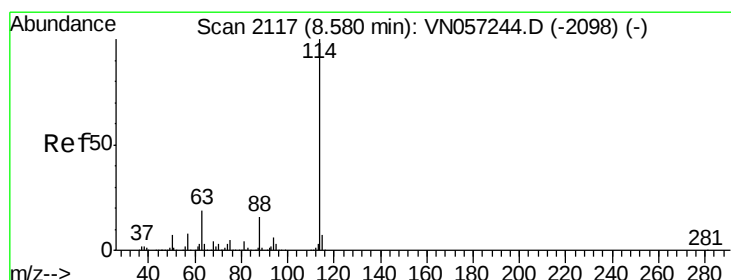
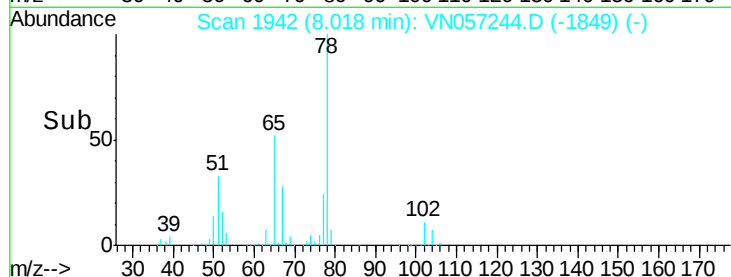
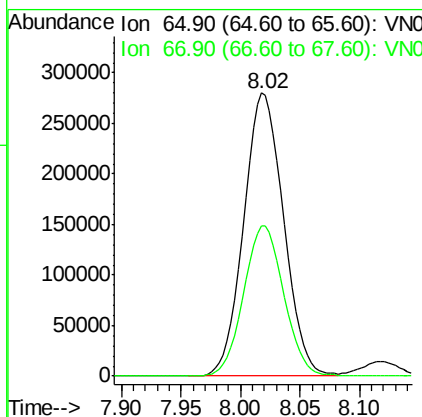
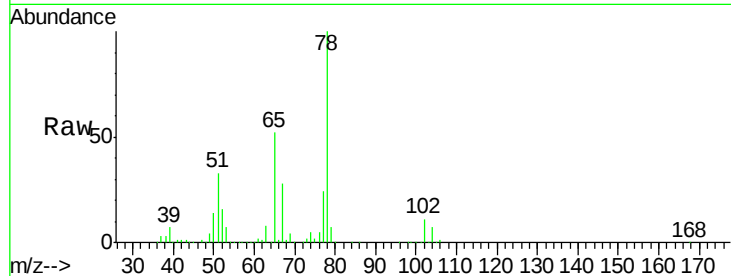
#33
 1,2-Dichloroethane-d4
 Concen: 47.924 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	651521		
67	53.5	0.0	107.0	

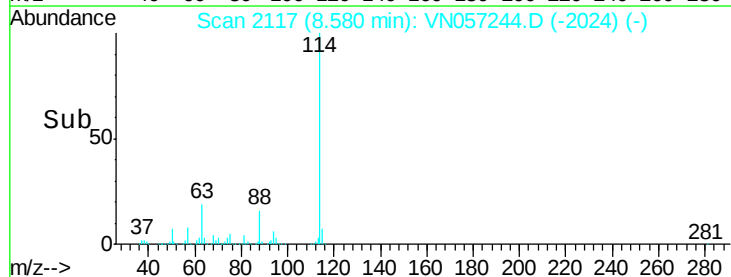
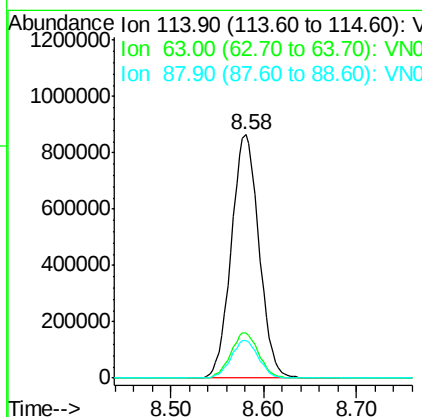
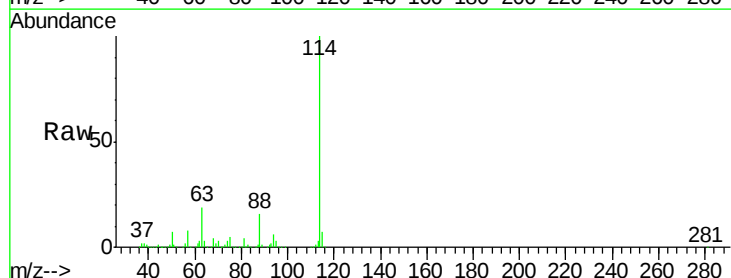
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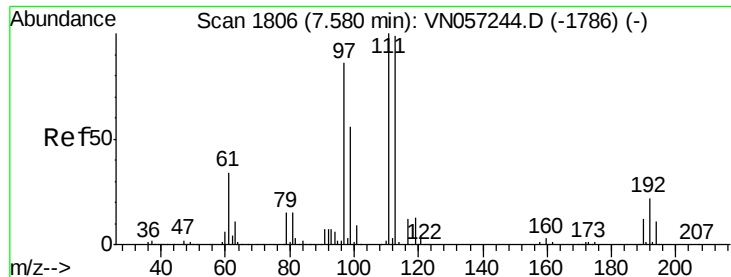
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1788000		
63	18.5	0.0	37.0	
88	15.5	0.0	31.0	





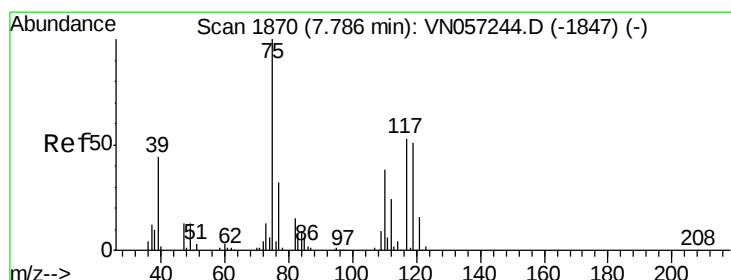
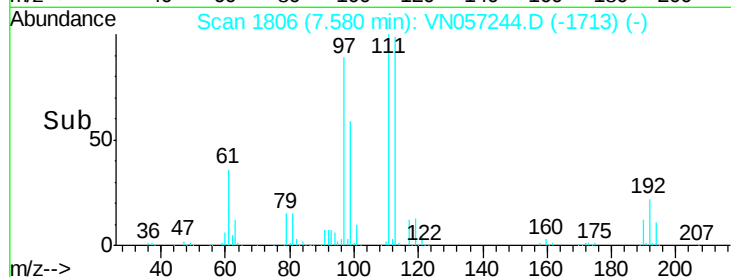
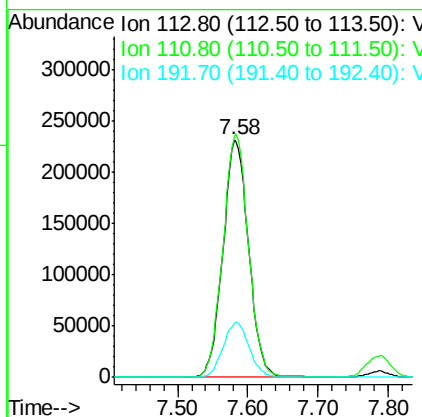
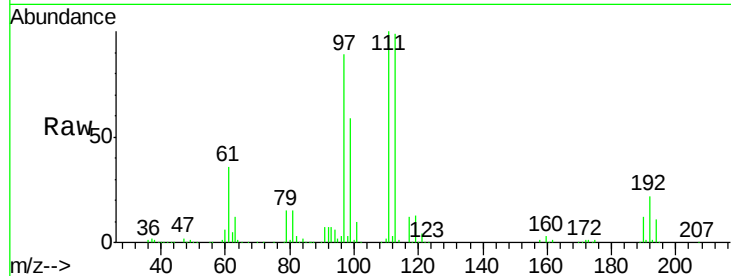
#35
 Dibromofluoromethane
 Concen: 52.330 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	589390		
111	101.8	81.4	122.2	
192	23.5	18.8	28.2	

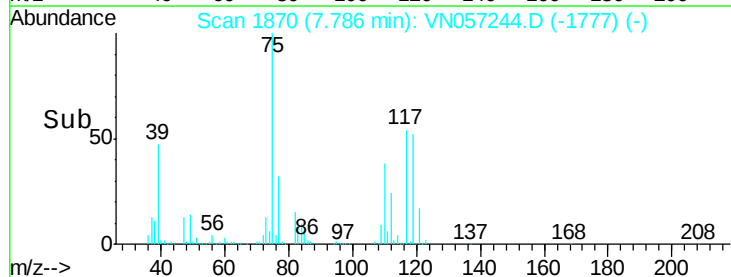
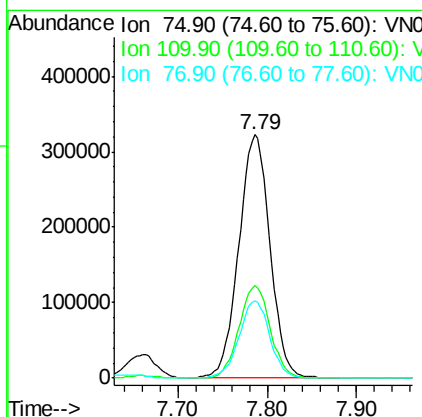
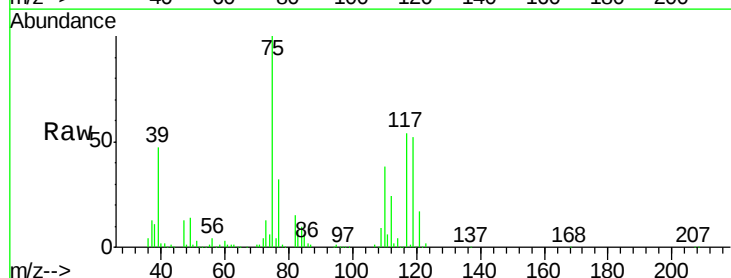
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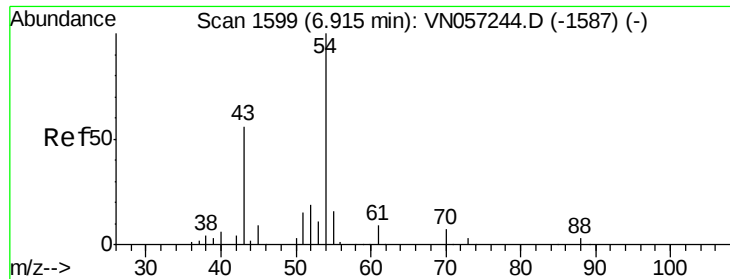
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#36
 1,1-Dichloropropene
 Concen: 47.299 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	780479		
110	38.1	19.1	57.1	
77	31.5	25.2	37.8	





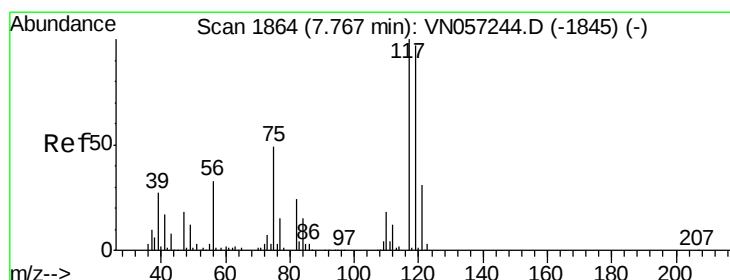
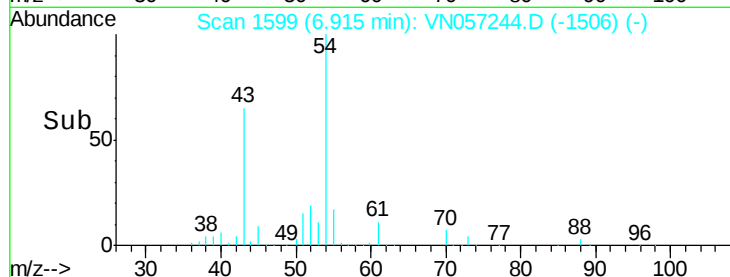
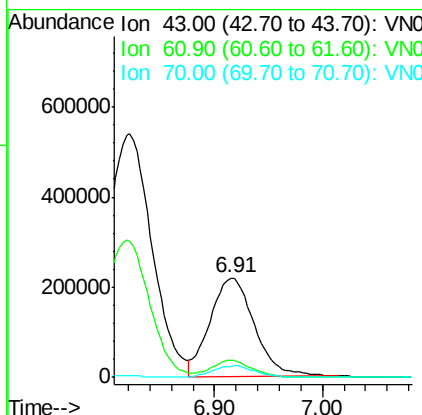
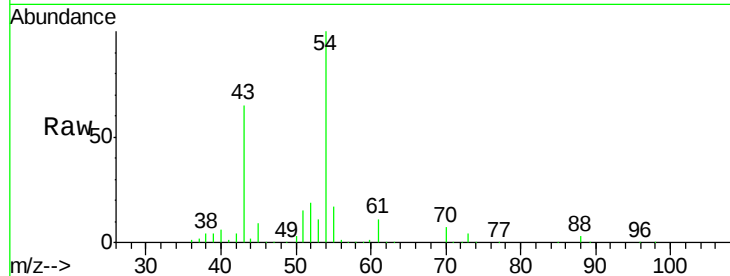
#37
Ethyl Acetate
Concen: 40.218 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.7	19.1
70	11.2	9.0	13.4

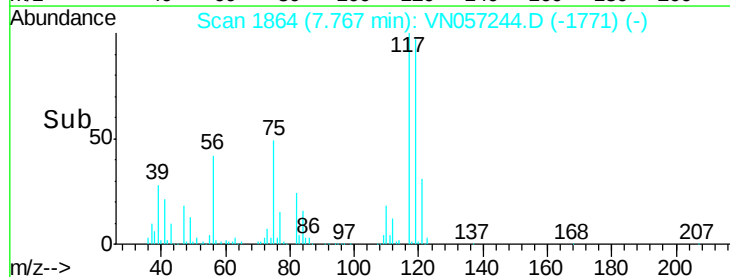
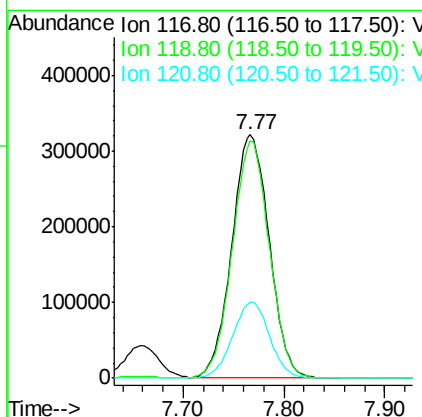
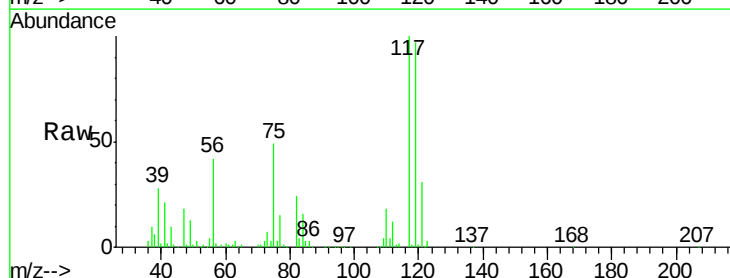
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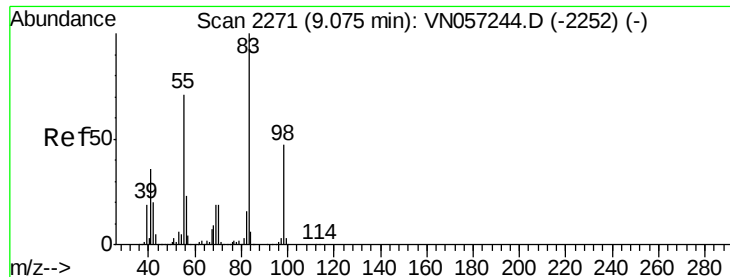
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.384 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	31.1	24.9	37.3





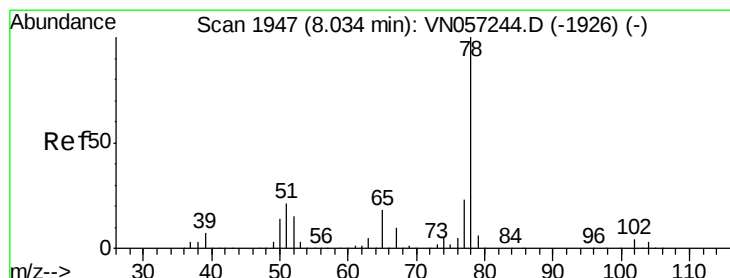
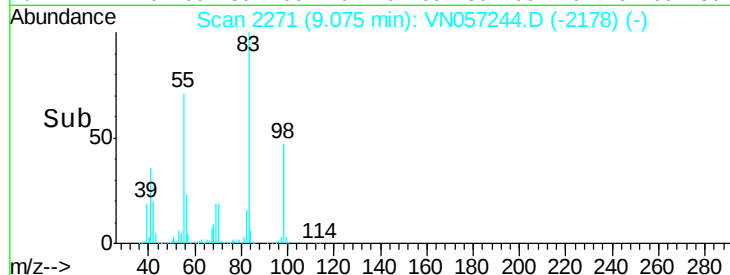
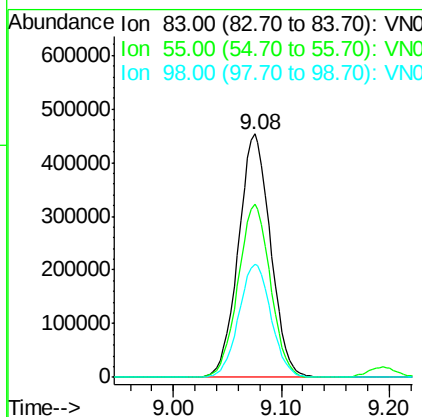
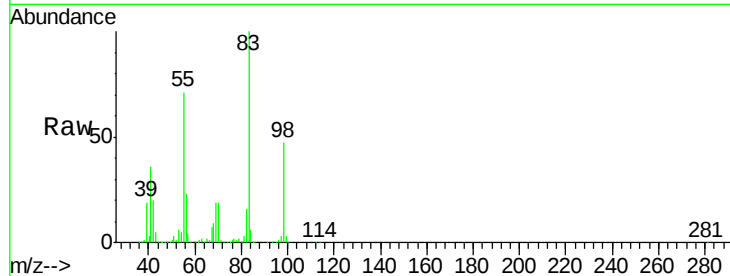
#39
Methvlcvclohexane
Concen: 46.463 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	940223
Ion Ratio	100	Lower	Upper
83	100		
55	71.2	57.0	85.4
98	46.5	37.2	55.8

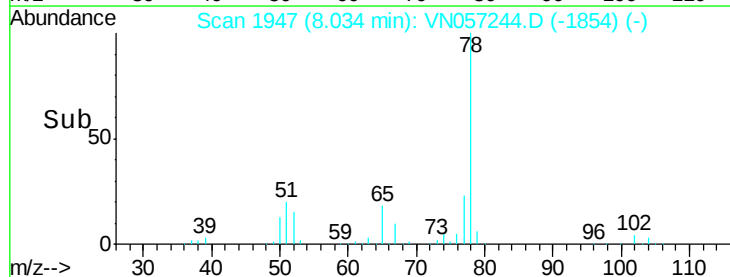
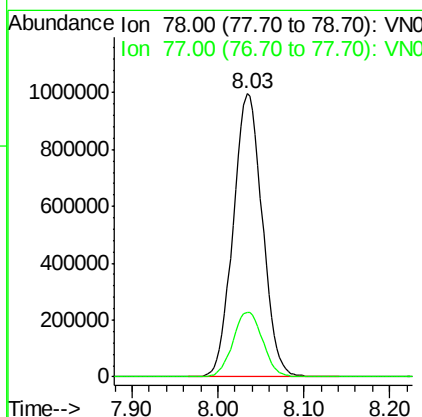
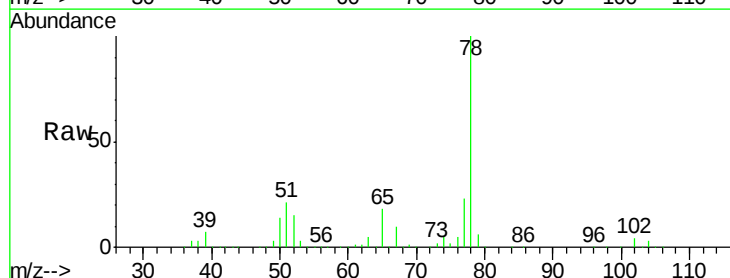
Manual Integrations
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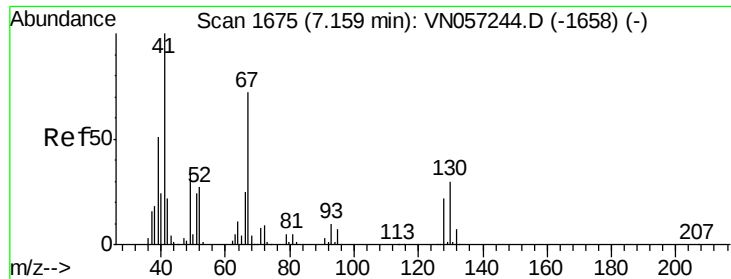
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#40
Benzene
Concen: 46.658 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	78	Resp	2348102
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.2	27.4





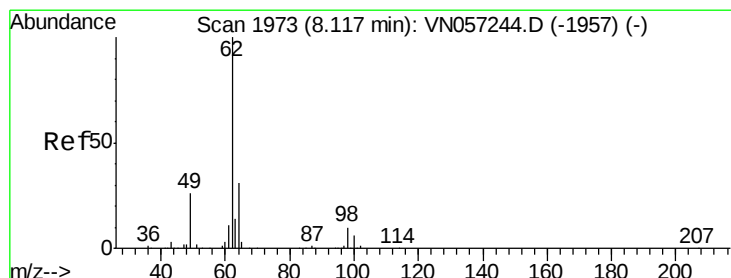
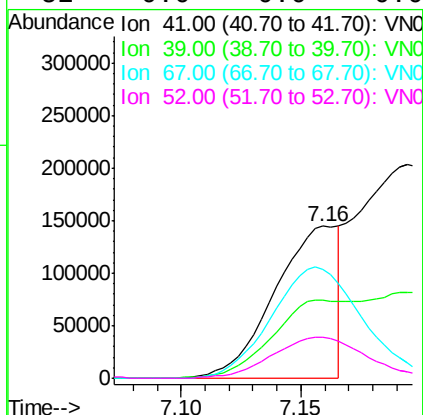
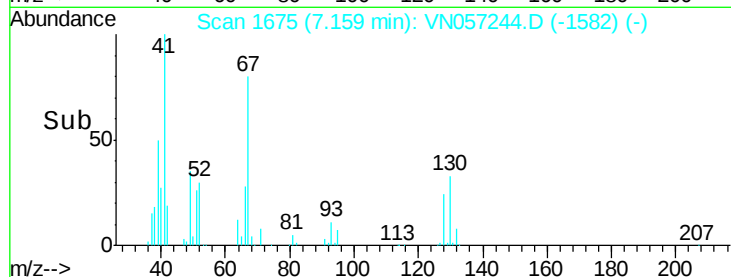
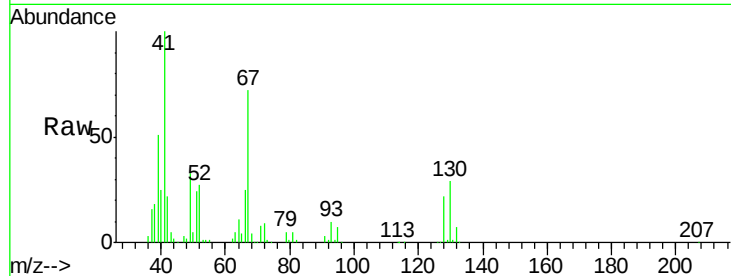
#41
Methacrylonitrile
Concen: 39.691 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	269105		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

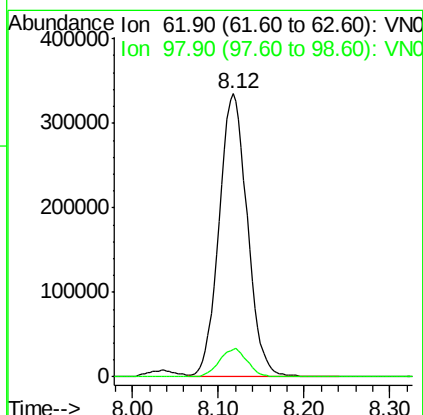
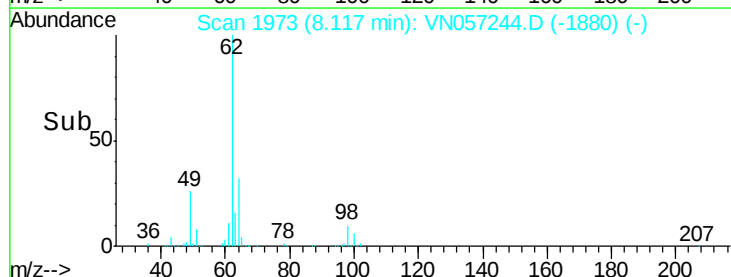
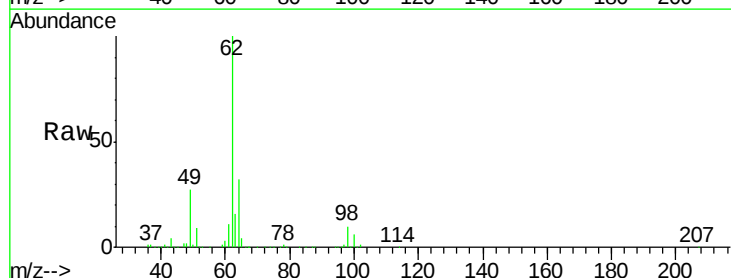
Manual Integrations
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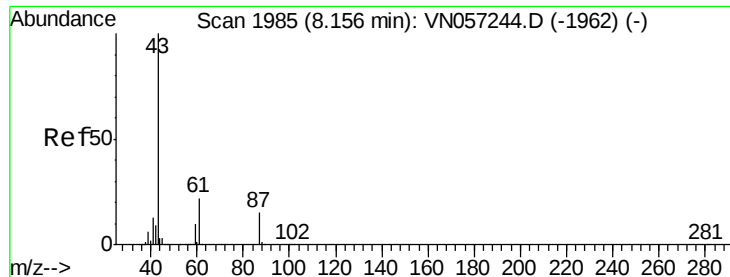
MMDadoda
8/16/2019 8:58:19 AM



#42
1,2-Dichloroethane
Concen: 47.891 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	765398		
98	10.0	0.0	0.0	20.0





#43

Isopropyl Acetate

Concen: 43.002 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1069823

Ion Ratio Lower Upper

43 100

61 29.4 23.5 35.3

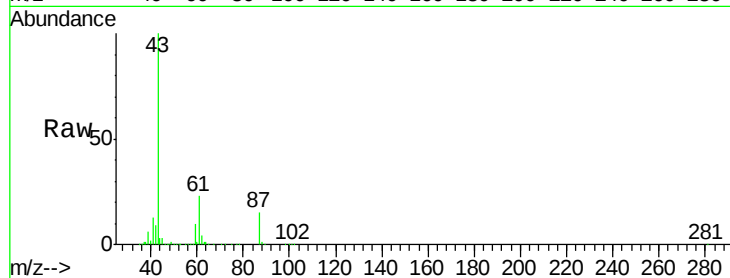
87 15.1 12.1 18.1

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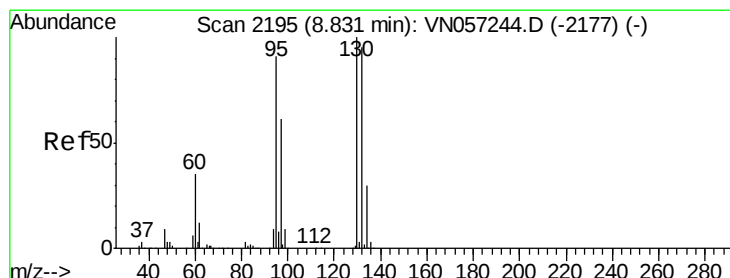
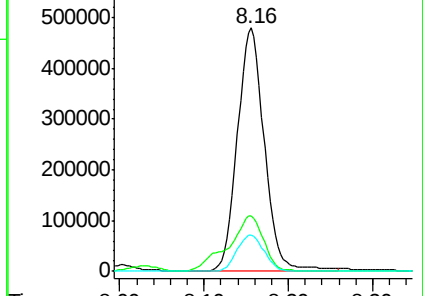
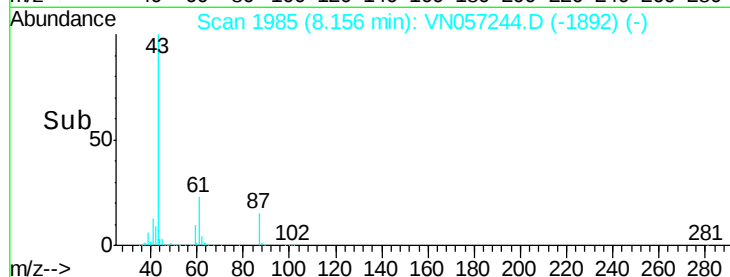


Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN057244.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN057244.D (-1962) (-)

Time-->



#44

Trichloroethene

Concen: 48.794 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057244.D

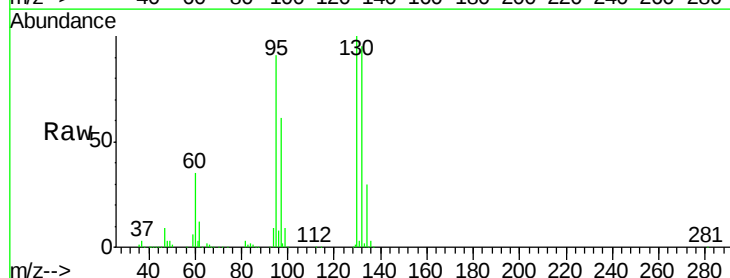
Acq: 13 Aug 2019 12:39

Tgt Ion: 130 Resp: 675267

Ion Ratio Lower Upper

130 100

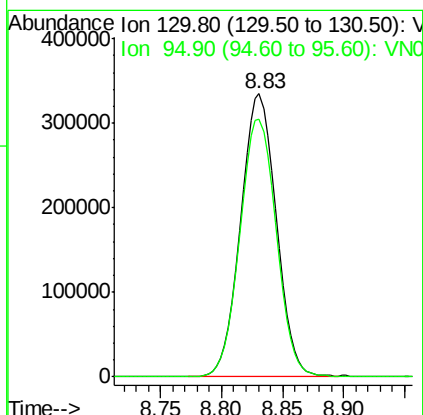
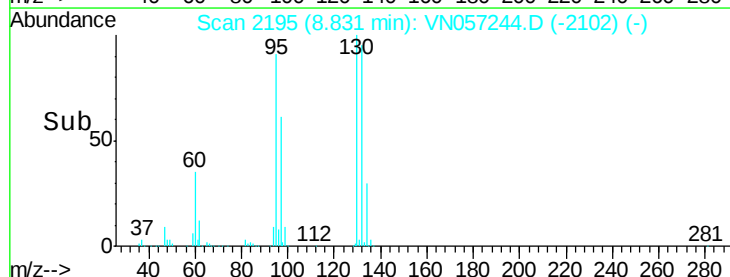
95 90.9 0.0 181.8

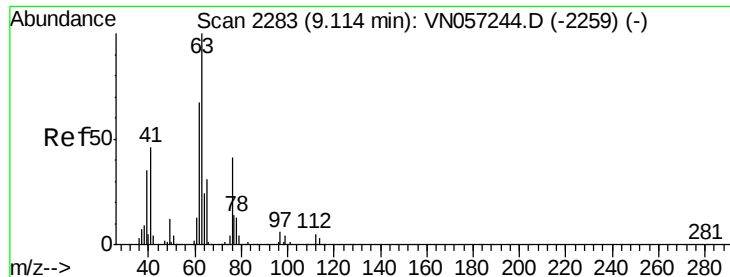


Abundance Ion 129.80 (129.50 to 130.50): VN057244.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057244.D (-2177) (-)

Time-->





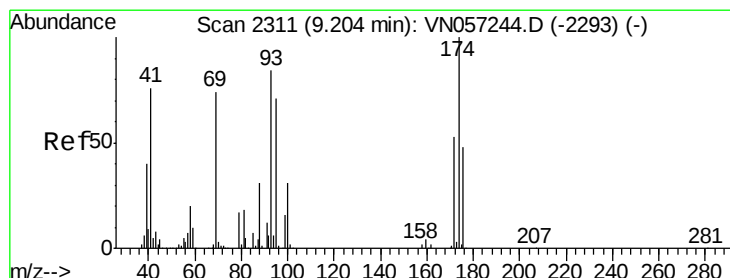
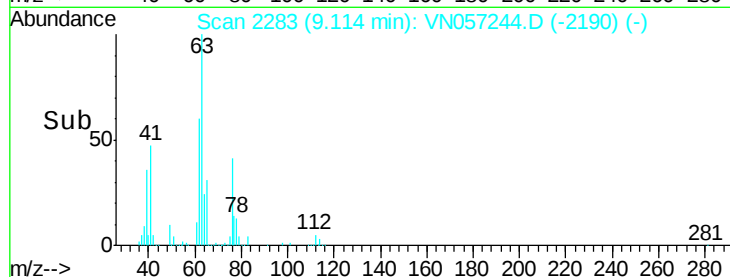
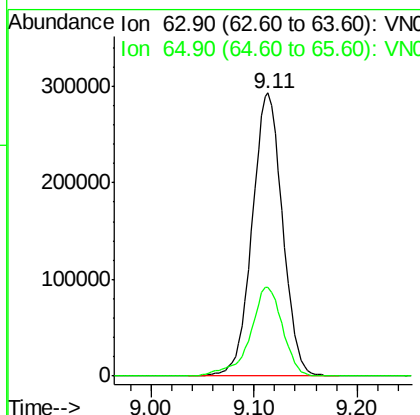
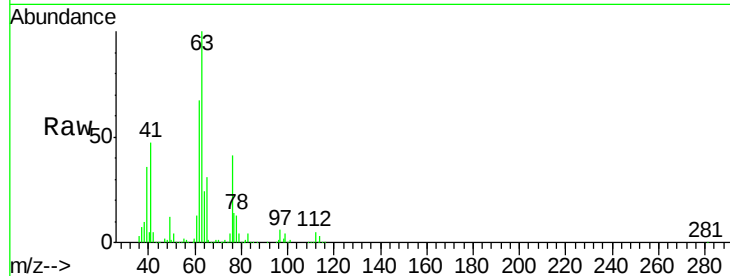
#45
 1,2-Dichloropropane
 Concen: 45.032 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	31.2	25.0	37.4	

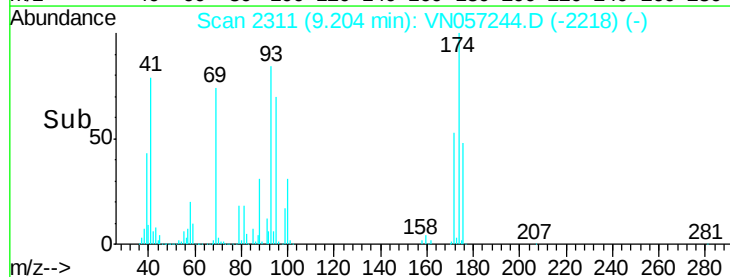
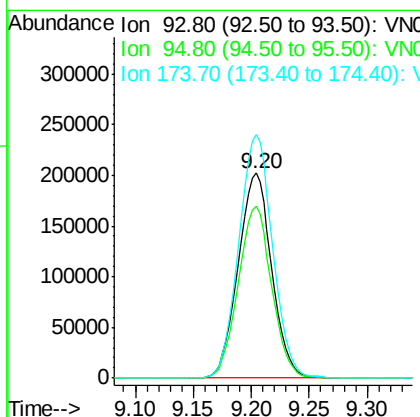
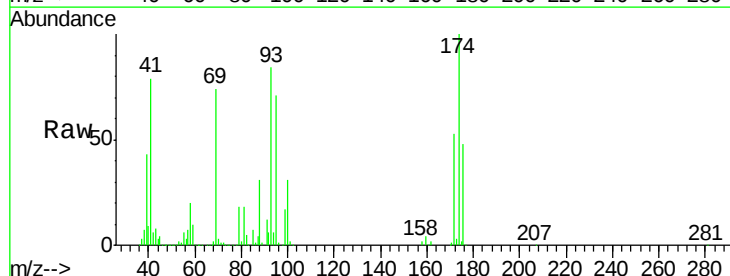
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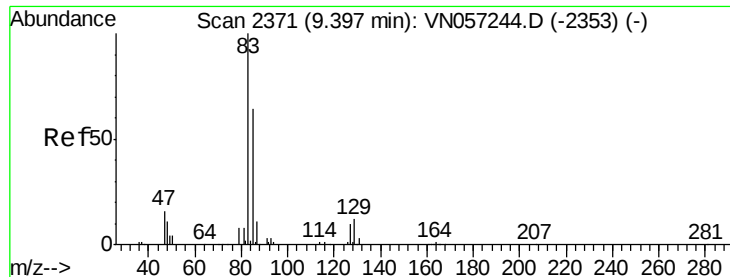
MMDadoda
 8/16/2019 8:58:19 AM



#46
 Dibromomethane
 Concen: 48.790 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	83.7	67.0	100.4	
174	120.2	96.2	144.2	





#47

Bromodichloromethane

Concen: 50.607 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

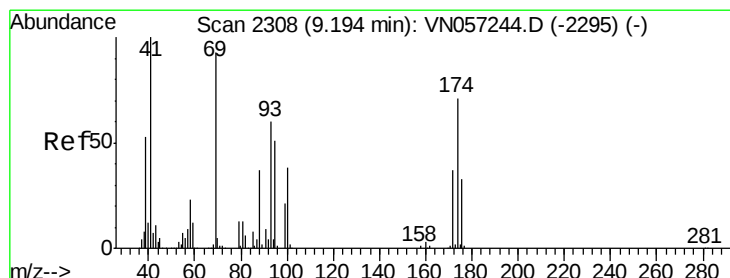
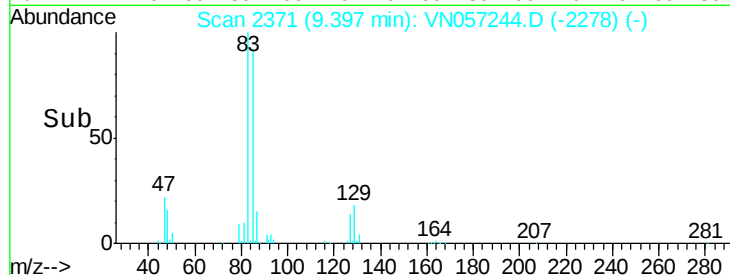
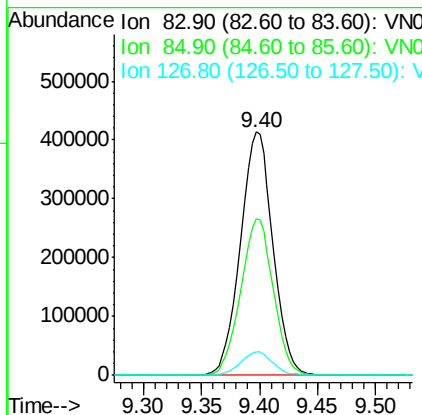
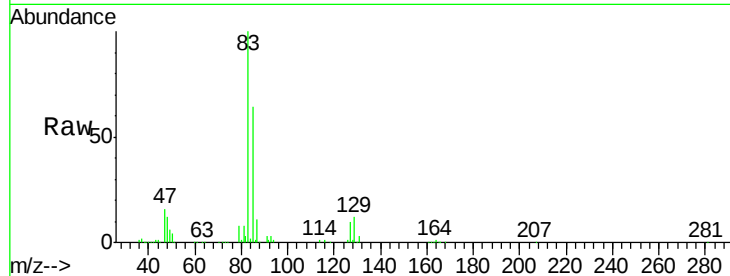
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	805069
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	9.6	7.7	11.5

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#48

Methyl methacrylate

Concen: 42.129 ug/l

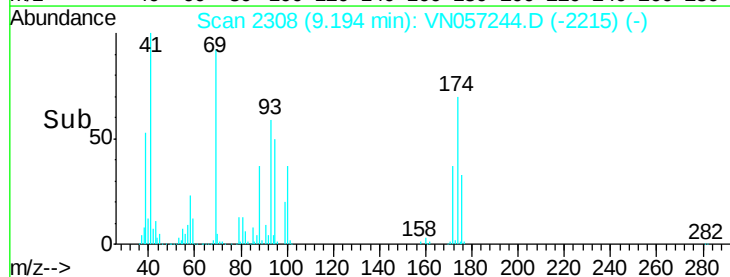
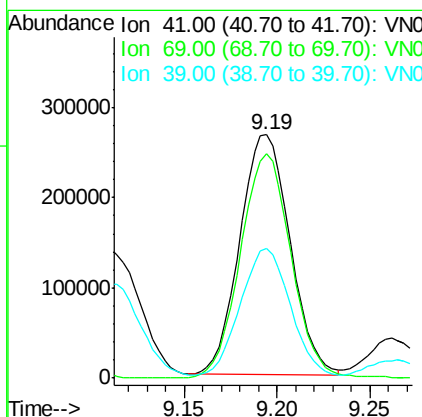
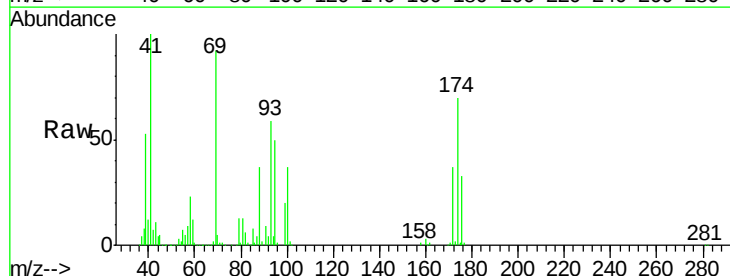
RT: 9.19 min Scan# 2308

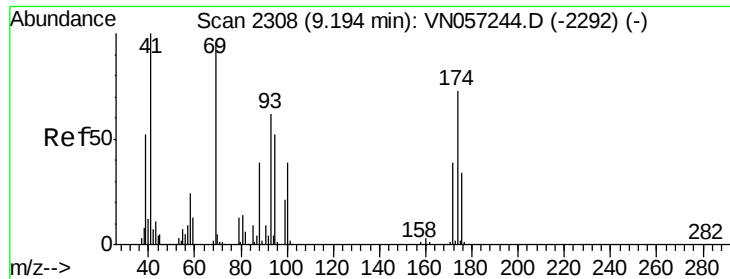
Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion:	41	Resp:	503662
Ion	Ratio	Lower	Upper
41	100		
69	94.6	75.7	113.5
39	54.1	43.3	64.9





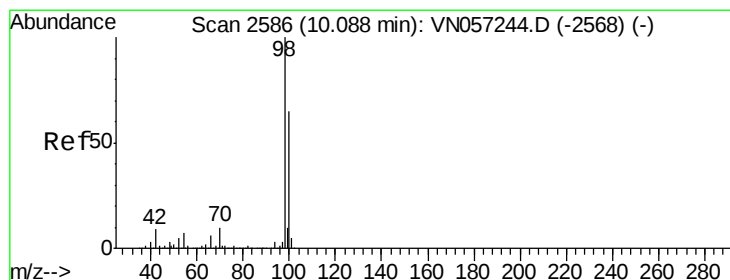
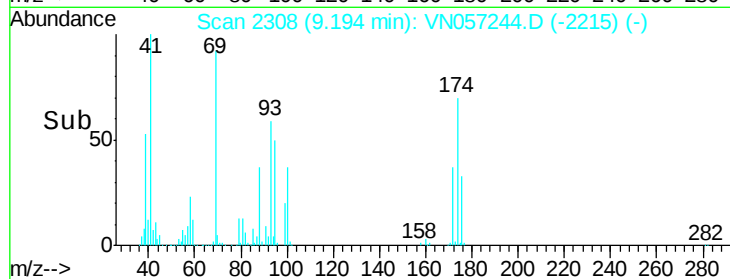
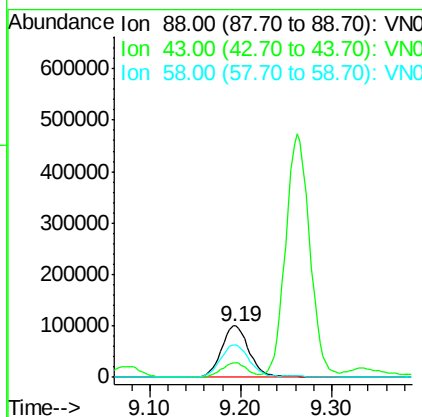
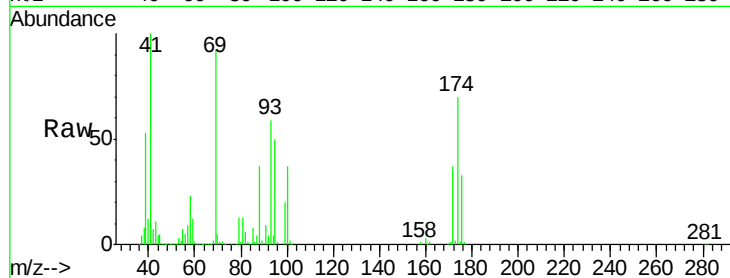
#49
1,4-Dioxane
Concen: 856.254 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.7	31.1
58	65.0	52.0	78.0

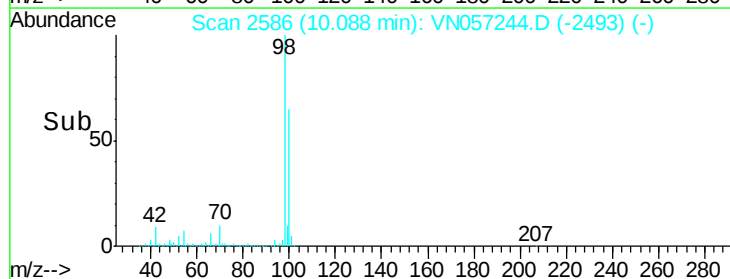
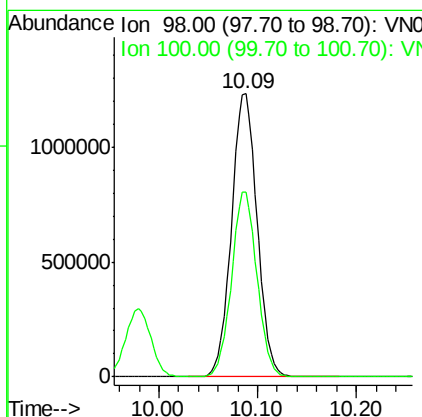
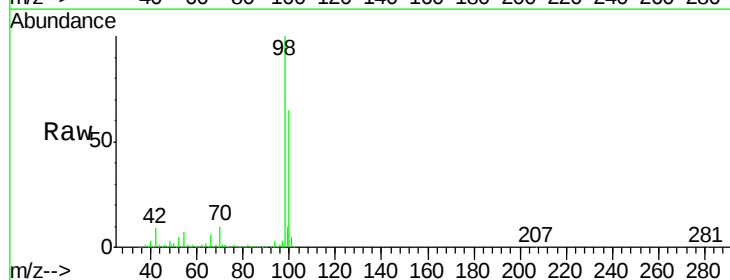
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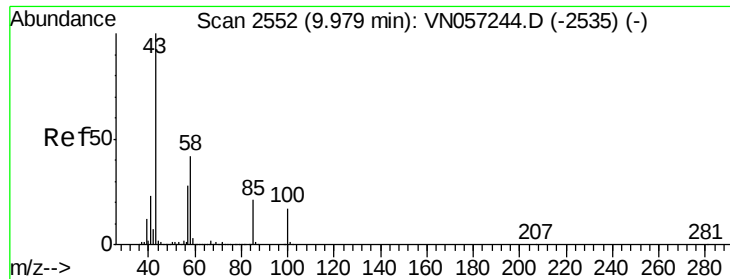
MMDadoda
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#50
Toluene-d8
Concen: 51.611 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 194.840 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3095435

Ion Ratio Lower Upper

43 100

58 42.1

33.7

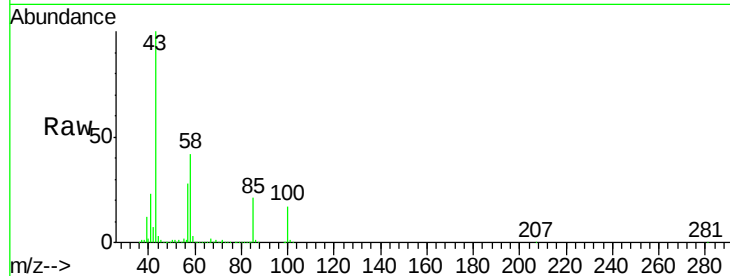
50.5

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Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN057244.D (-2535) (-)

2000000

1500000

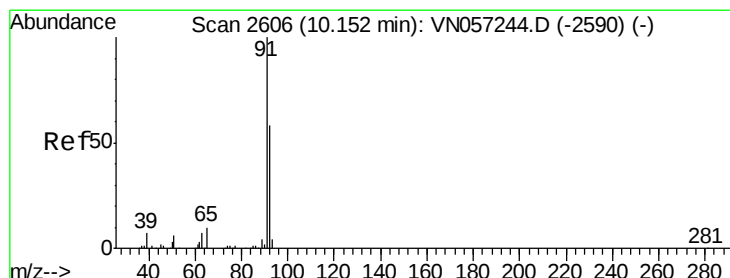
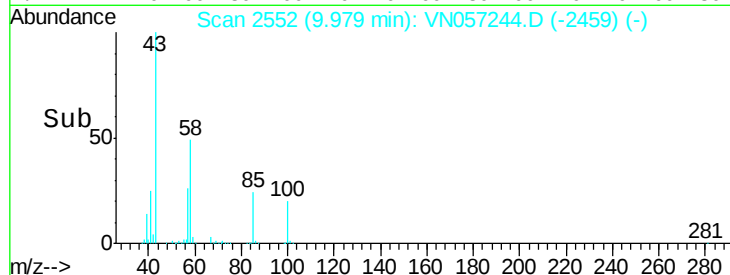
1000000

500000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 49.937 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion: 92 Resp: 1503337

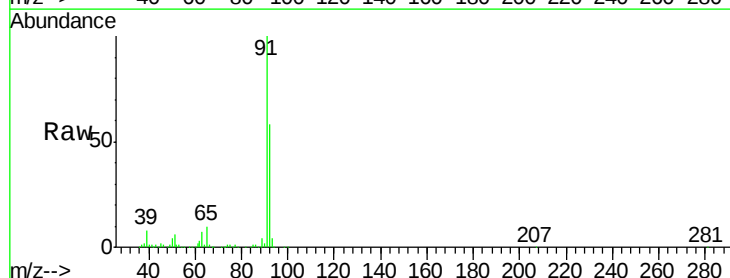
Ion Ratio Lower Upper

92 100

91 172.7

138.2

207.2



Abundance Ion 92.00 (91.70 to 92.70): VN057244.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057244.D (-2590) (-)

1500000

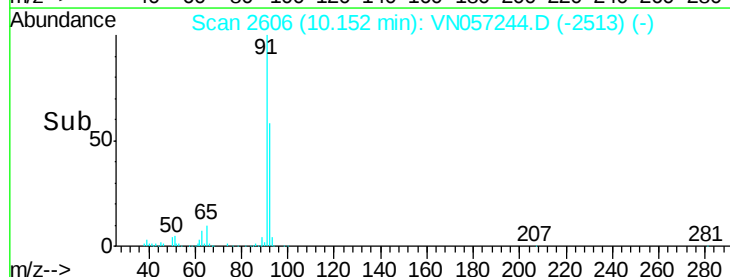
1000000

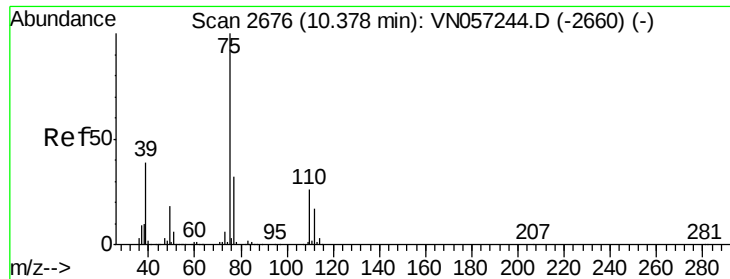
500000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.008 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tot Ion: 75 Resp: 881345

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

Instrument :

MSVOA_N

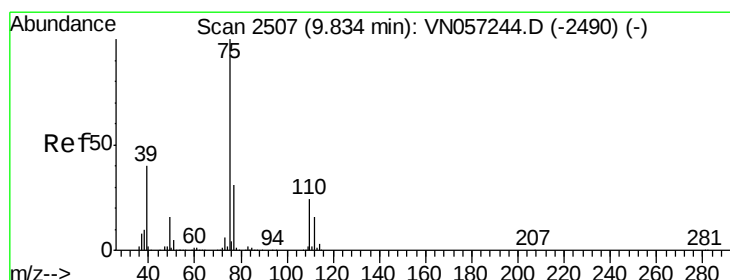
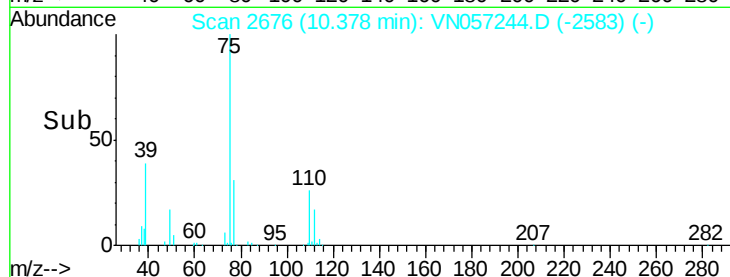
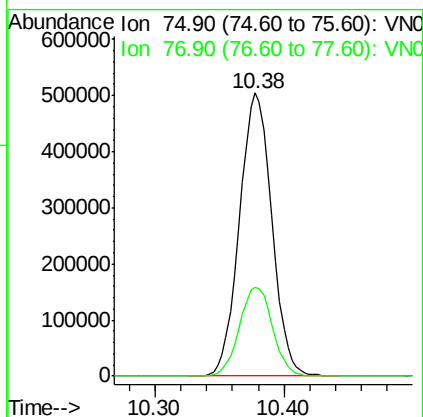
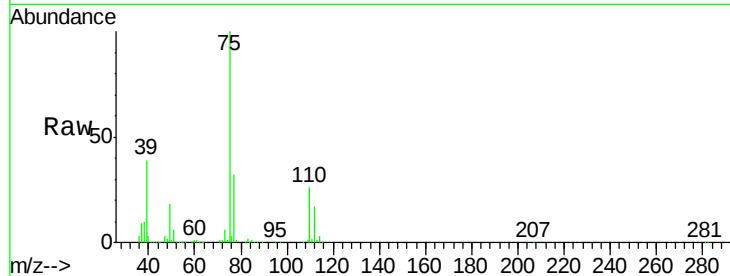
ClientSampleId :

VSTDICCC050

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#54

cis-1,3-Dichloropropene

Concen: 51.077 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

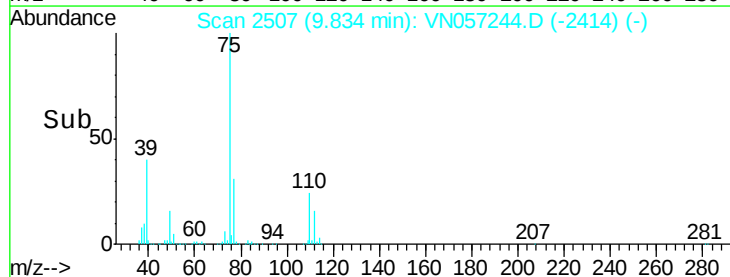
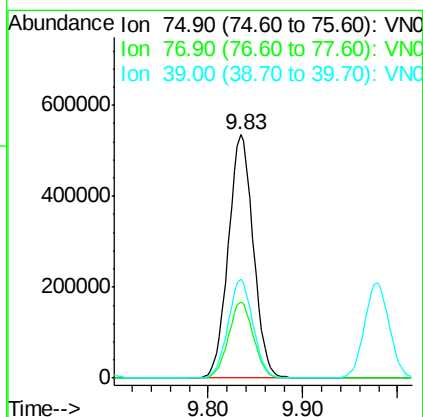
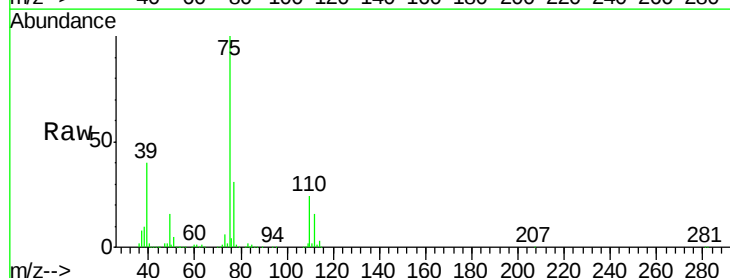
Tgt Ion: 75 Resp: 981325

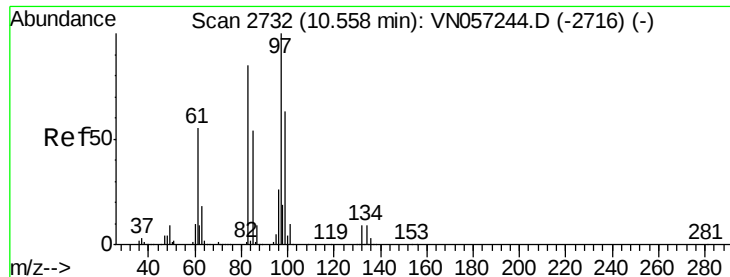
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 40.4 32.3 48.5





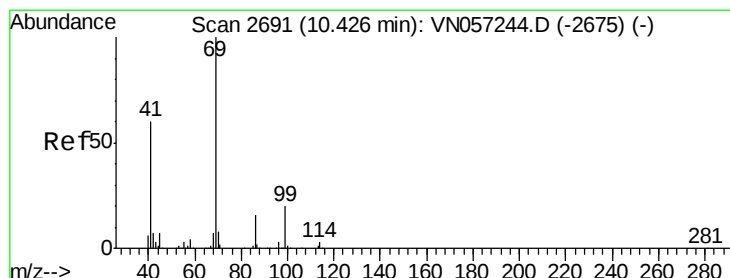
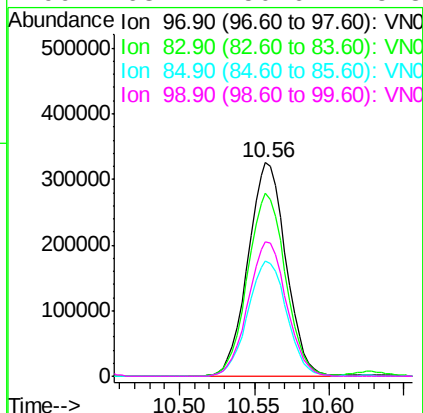
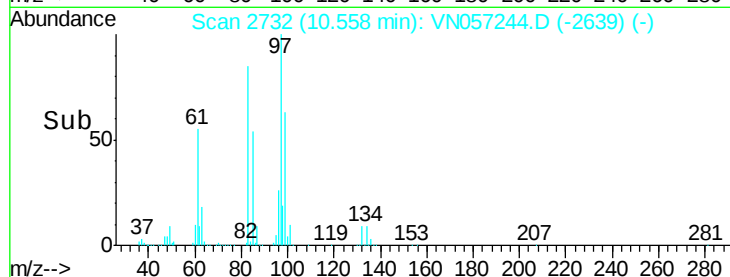
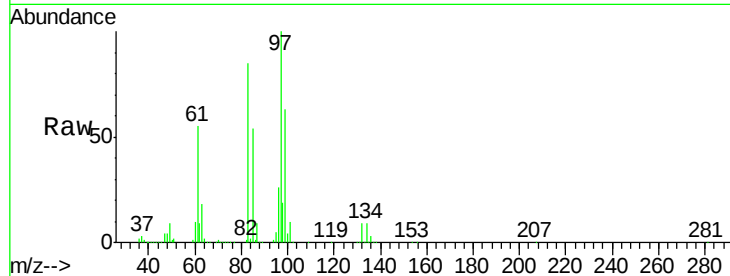
#55
 1,1,2-Trichloroethane
 Concen: 45.833 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		573496		
83	85.5	68.4	102.6		
85	53.8	43.0	64.6		
99	63.2	50.6	75.8		

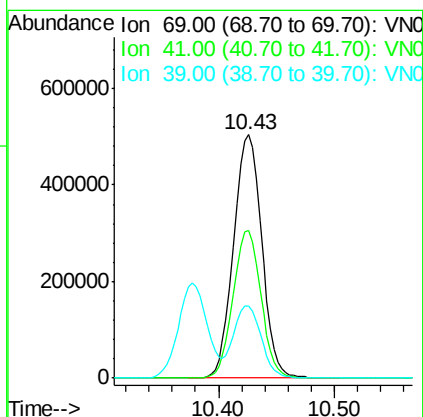
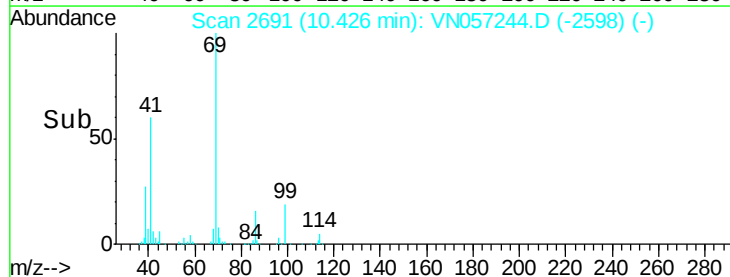
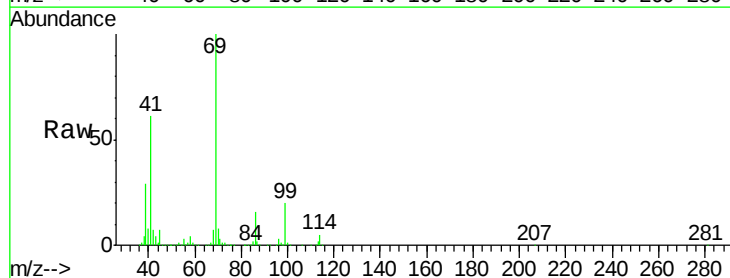
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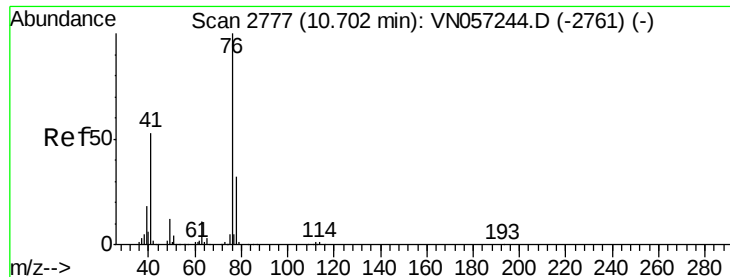
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#56
 Ethyl methacrylate
 Concen: 47.631 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		847733		
41	59.5	47.6	71.4		
39	29.2	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 46.683 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 952996

Ion Ratio Lower Upper

76 100

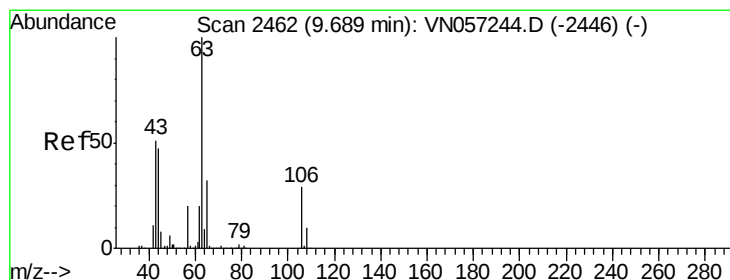
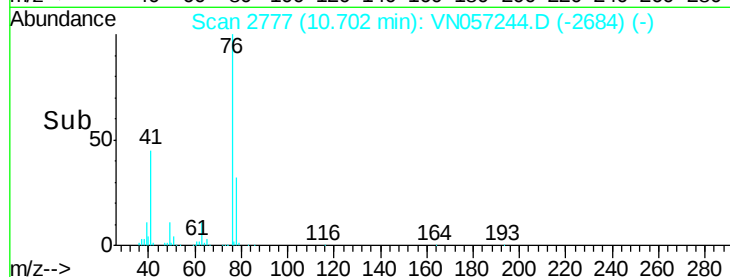
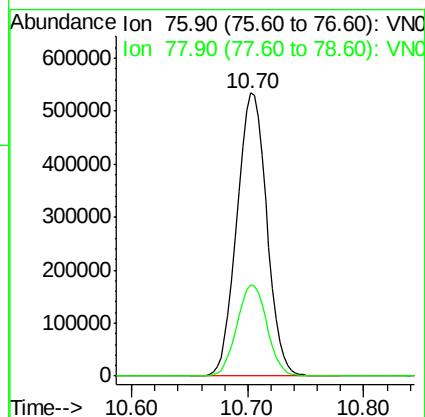
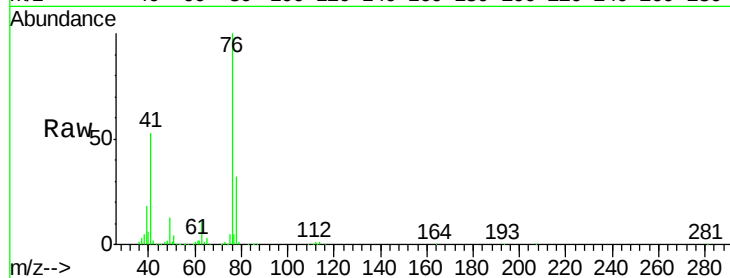
78 32.5 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 134.970 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057244.D

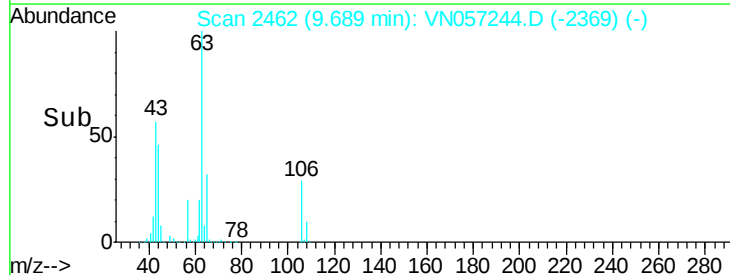
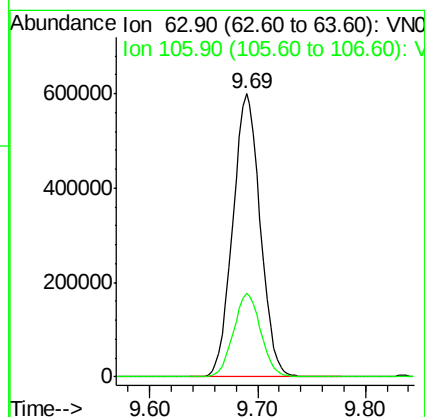
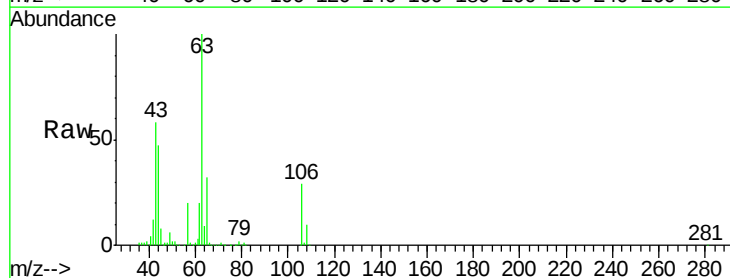
Acq: 13 Aug 2019 12:39

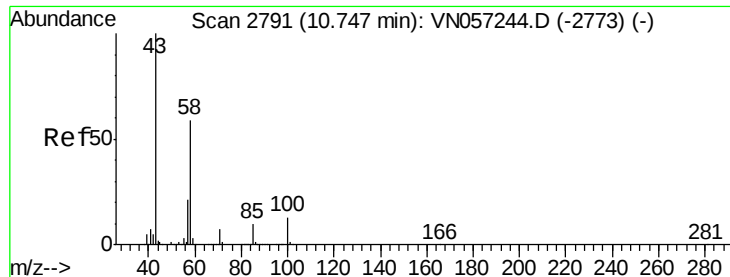
Tgt Ion: 63 Resp: 1065327

Ion Ratio Lower Upper

63 100

106 29.3 23.4 35.2





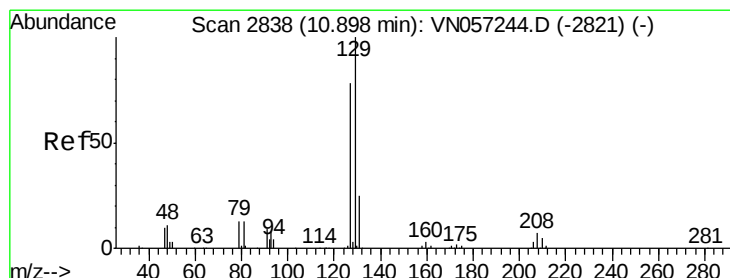
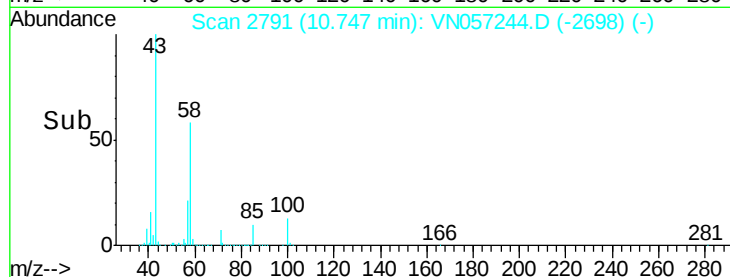
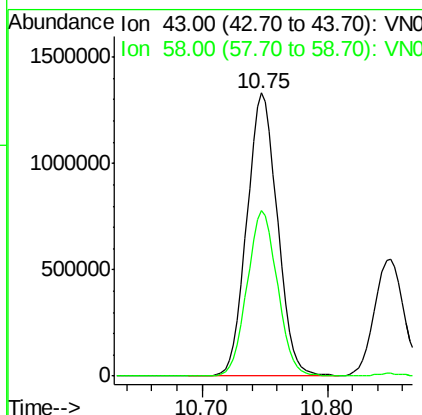
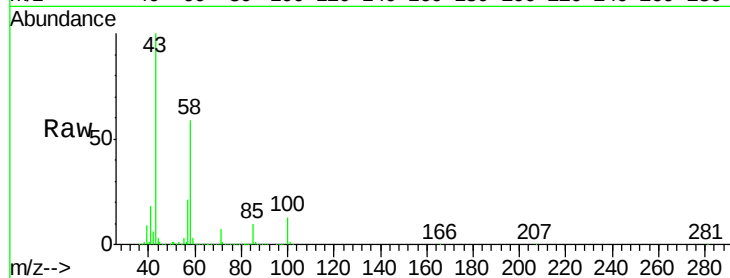
#59
2-Hexanone
Concen: 198.765 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2255212
Ion Ratio Lower Upper
43 100
58 58.3 29.1 87.4

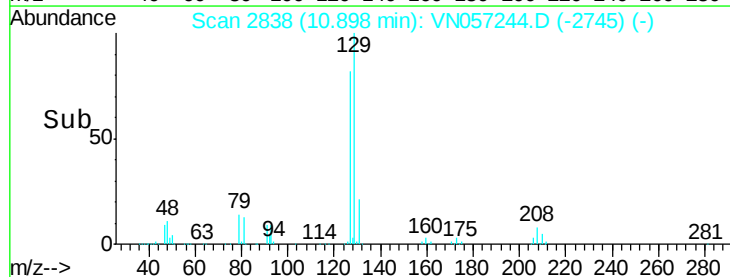
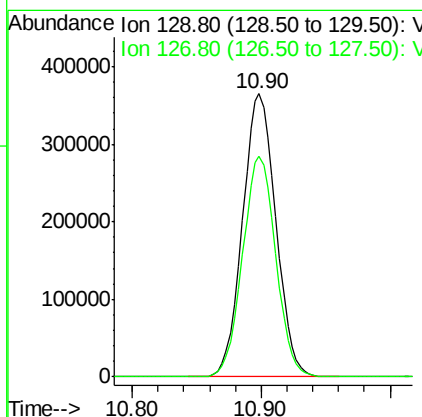
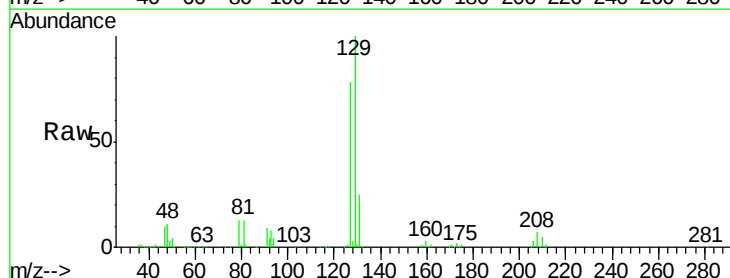
Manual Integrations
APPROVED

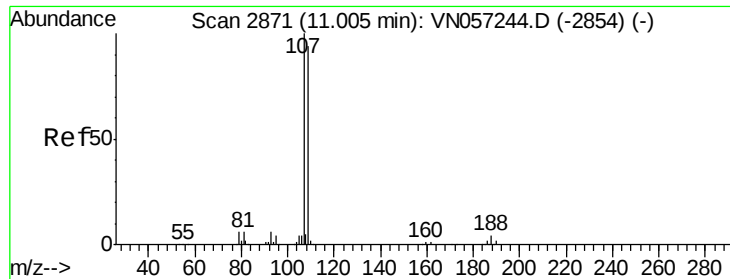
MMDadoda
8/16/2019 8:58:19 AM



#60
Dibromochloromethane
Concen: 52.501 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion: 129 Resp: 655377
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.017 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 611510

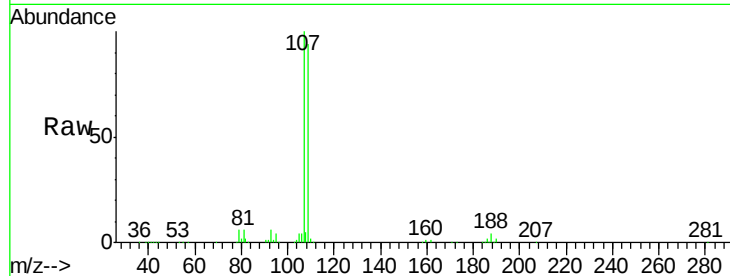
Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5

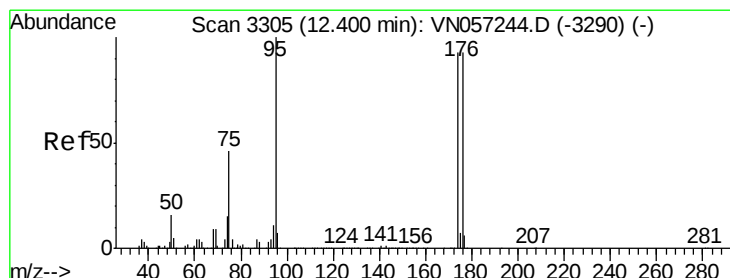
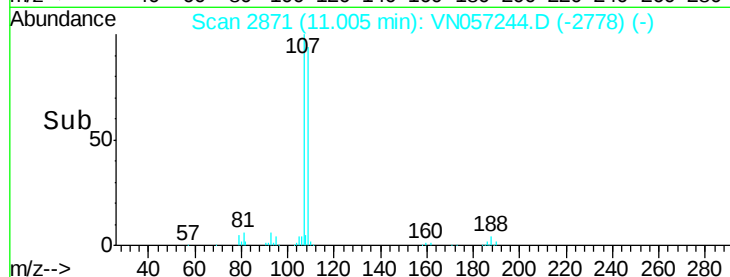
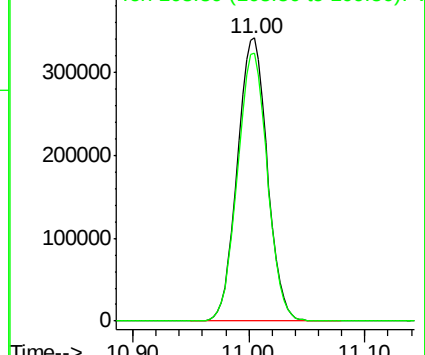
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.688 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

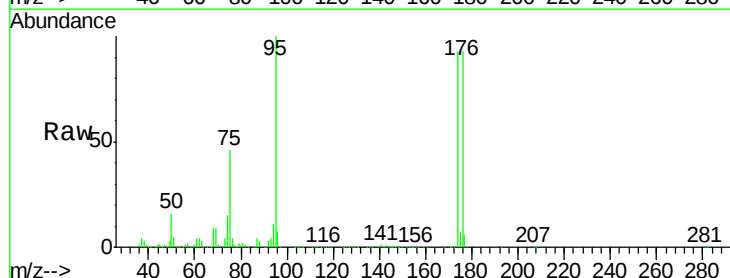
Tgt Ion: 95 Resp: 751888

Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.6

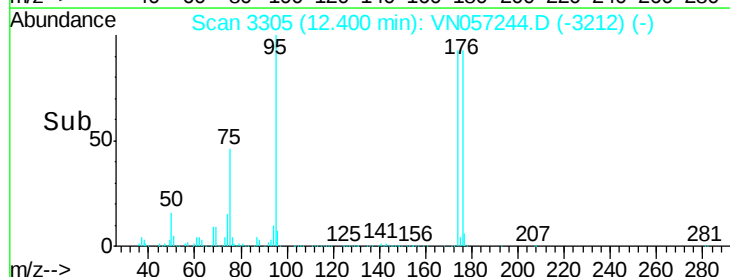
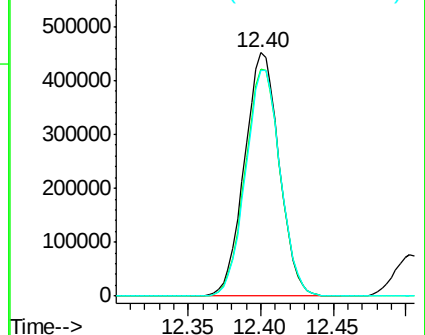
176 92.9 0.0 185.8

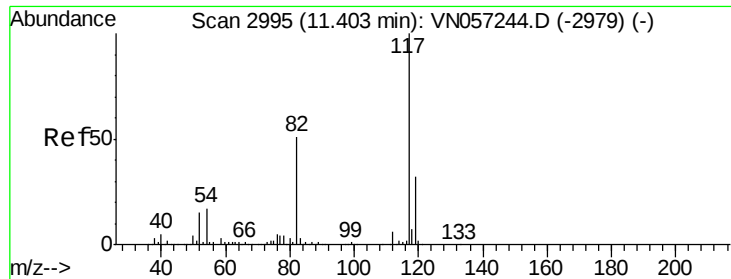


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





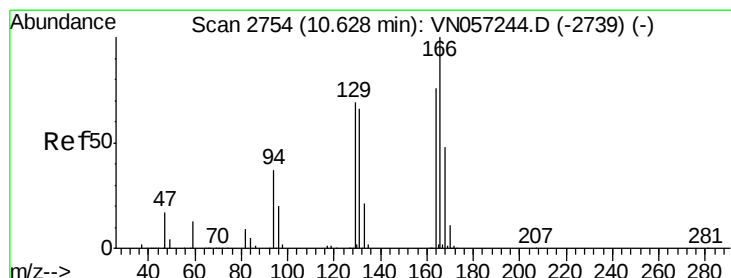
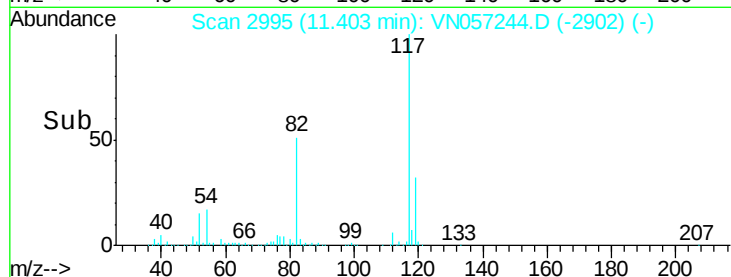
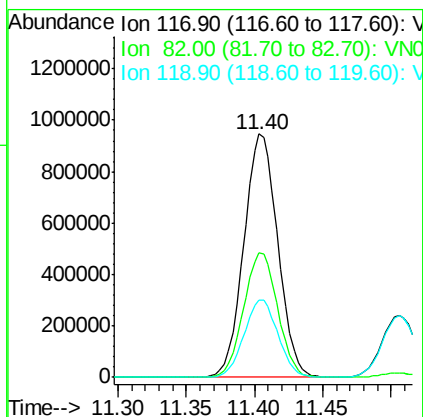
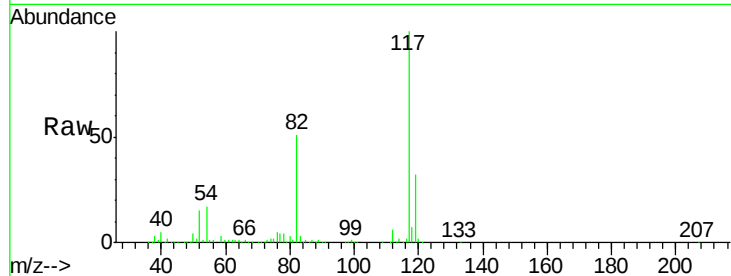
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.9	61.3
119	31.8	25.4	38.2

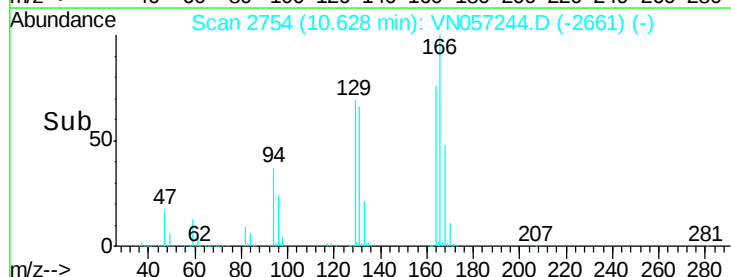
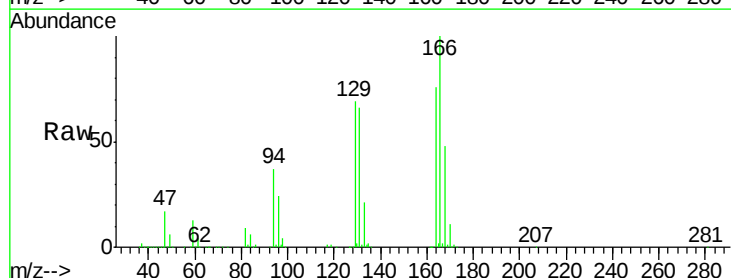
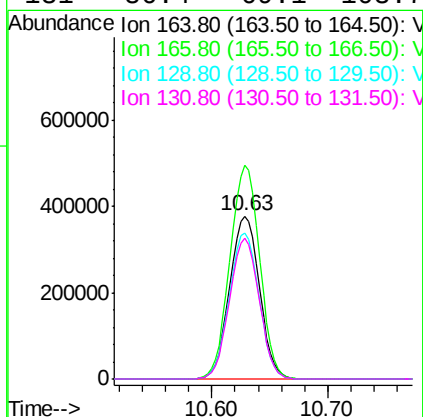
Manual Integrations
APPROVED

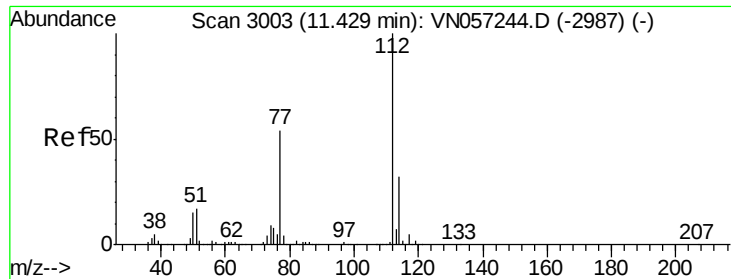
MMDadoda
8/16/2019 8:58:19 AM



#64
Tetrachloroethene
Concen: 47.489 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.9	157.3
129	89.9	71.9	107.9
131	86.4	69.1	103.7





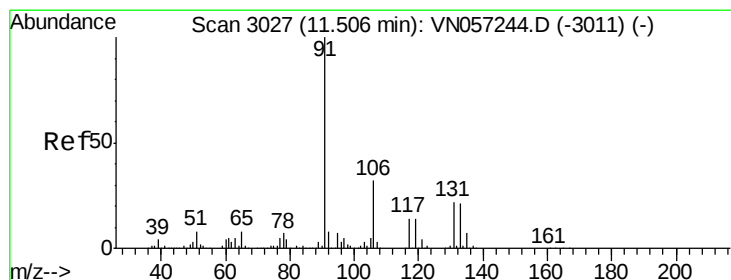
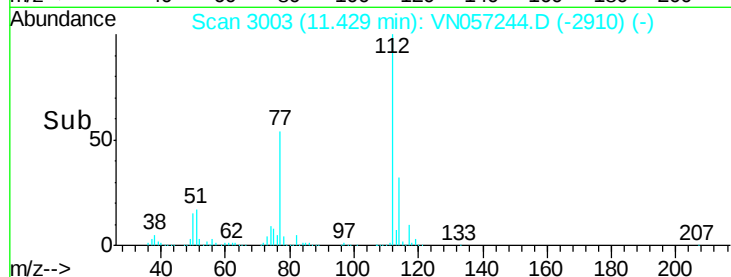
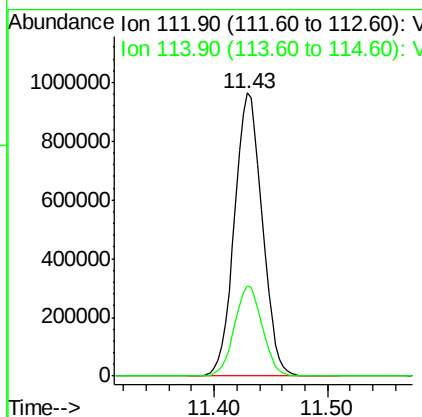
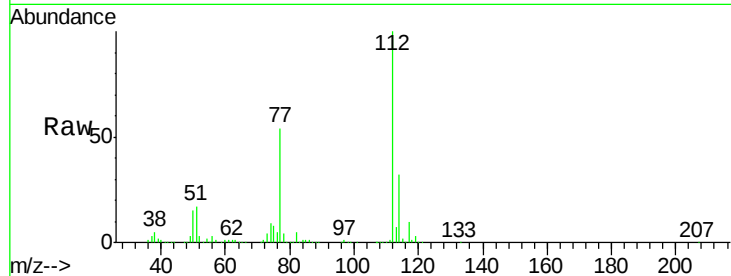
#65
Chlorobenzene
Concen: 49.362 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 1648778
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

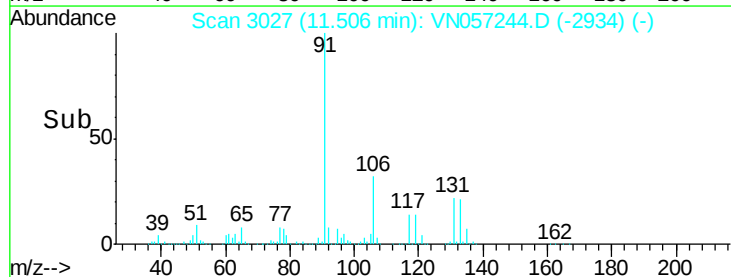
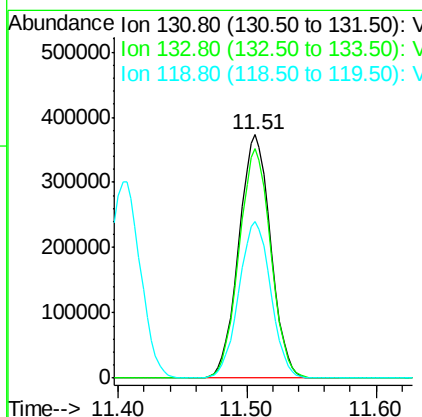
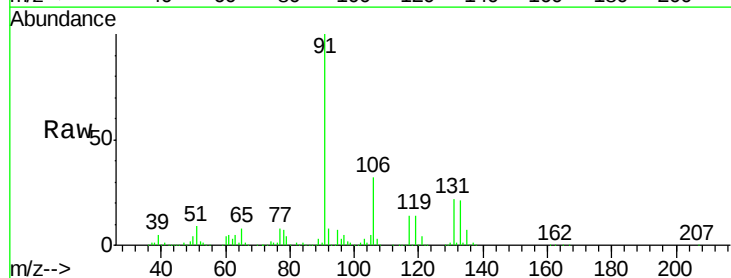
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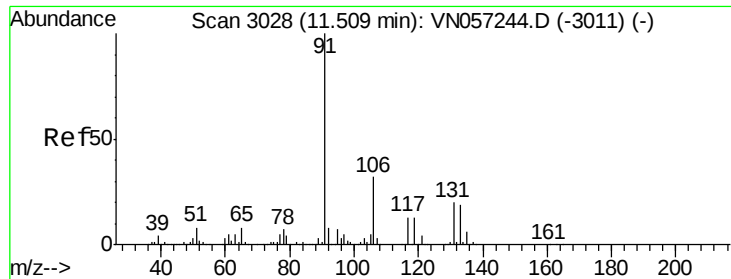
MMDadoda
8/16/2019 8:58:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.793 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion:131 Resp: 641324
Ion Ratio Lower Upper
131 100
133 93.8 46.9 140.7
119 64.5 32.3 96.8





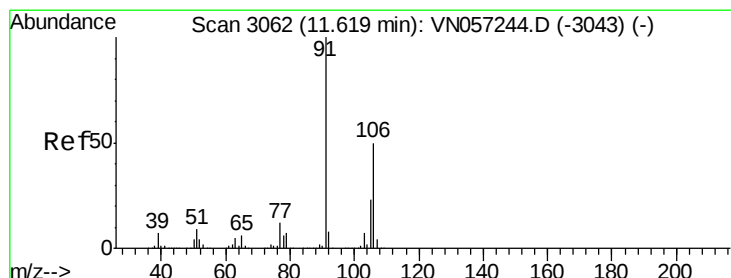
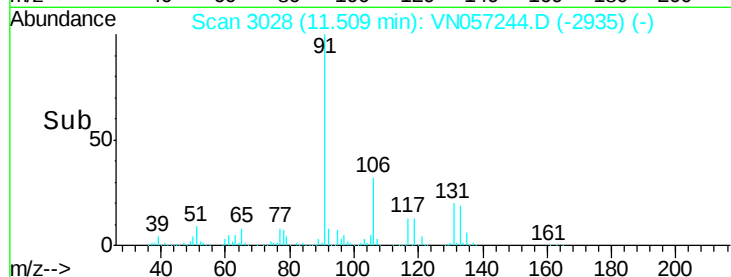
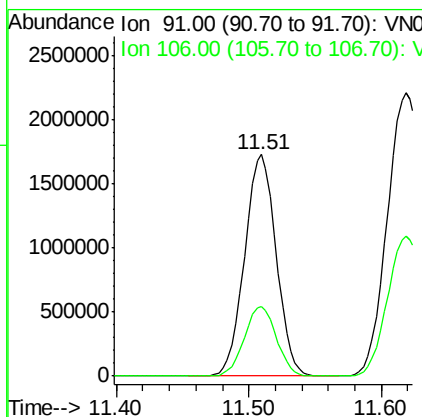
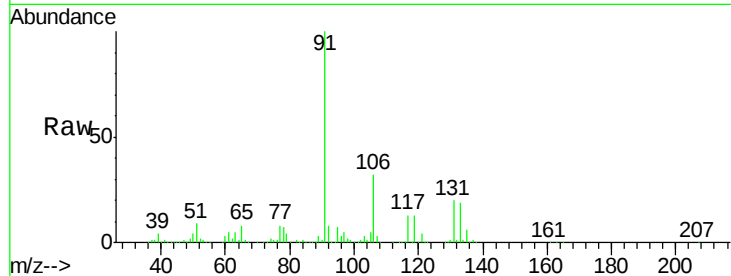
#67
Ethyl Benzene
Concen: 48.983 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2862108
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

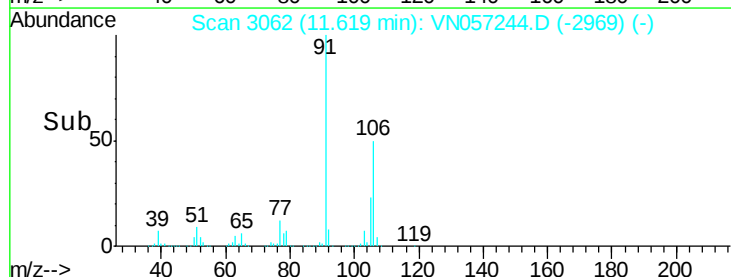
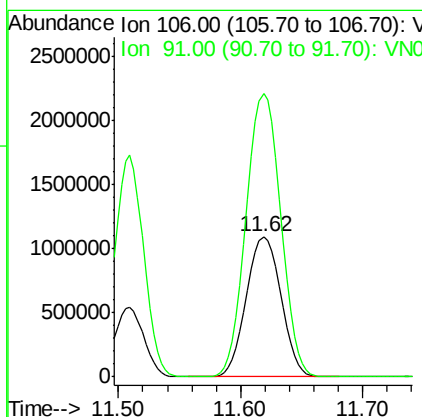
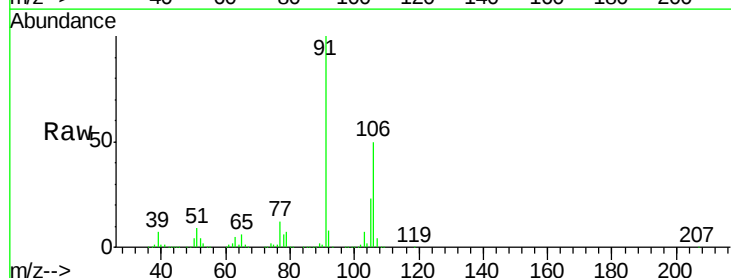
Manual Integrations
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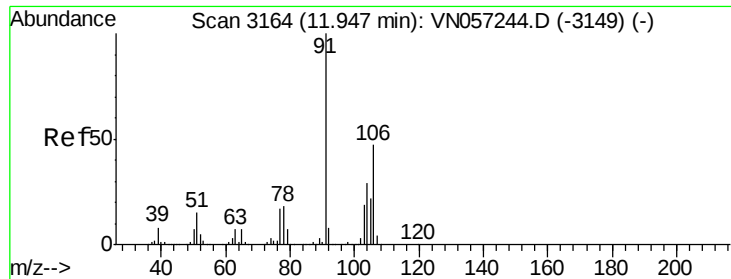
MMDadoda
8/16/2019 8:58:19 AM



#68
m/p-Xylenes
Concen: 98.759 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion: 106 Resp: 2154983
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.0





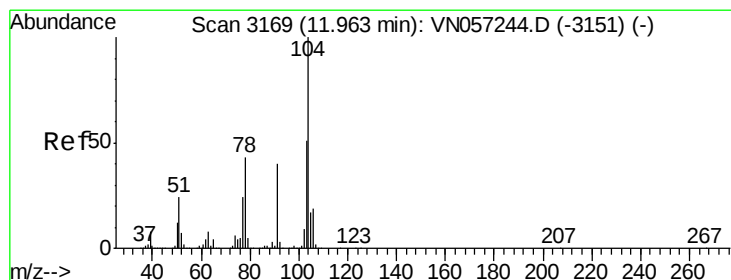
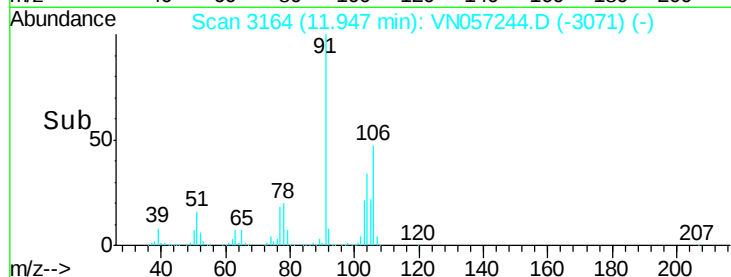
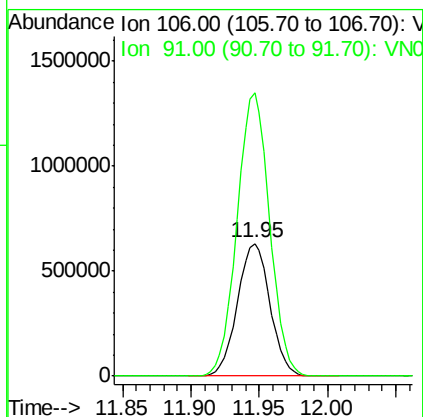
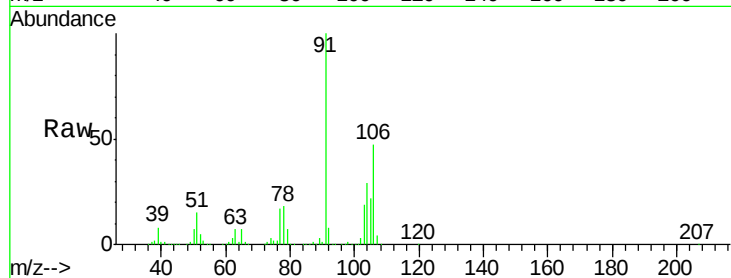
#69
o-Xylene
Concen: 48.810 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1046772
Ion Ratio Lower Upper
106 100
91 212.9 106.5 319.4

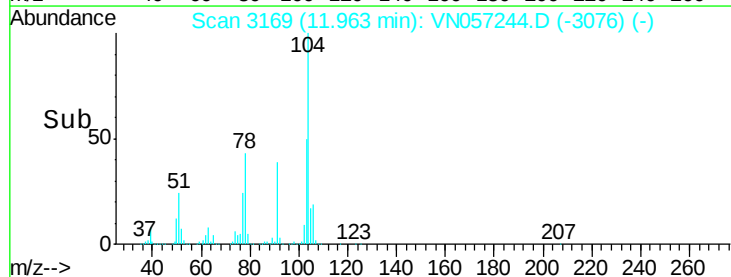
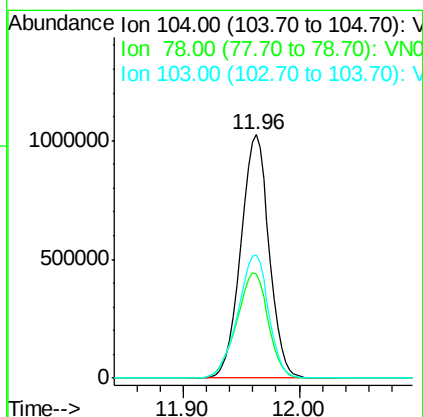
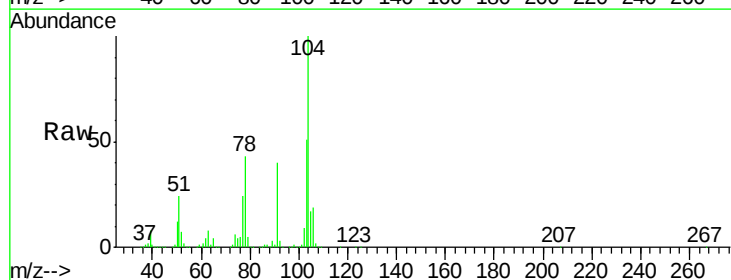
Manual Integrations
APPROVED

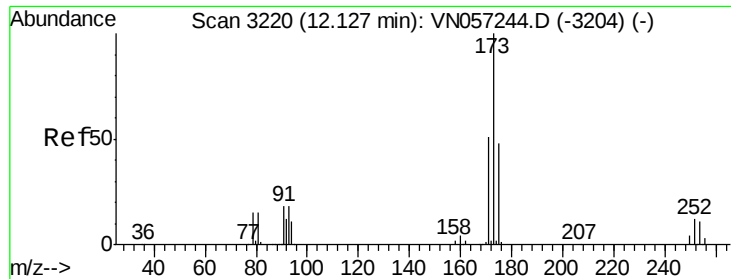
MMDadoda
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#70
Styrene
Concen: 50.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion:104 Resp: 1734587
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 54.9 43.9 65.9





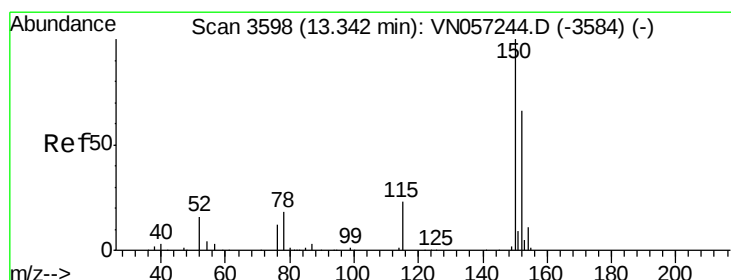
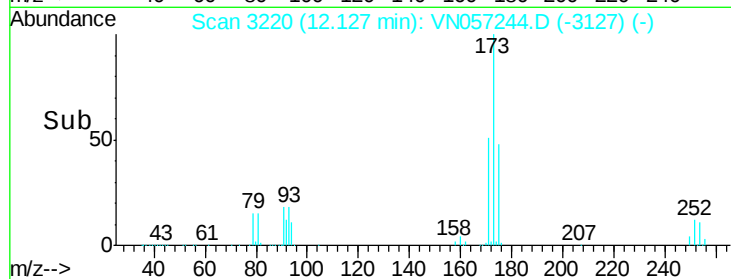
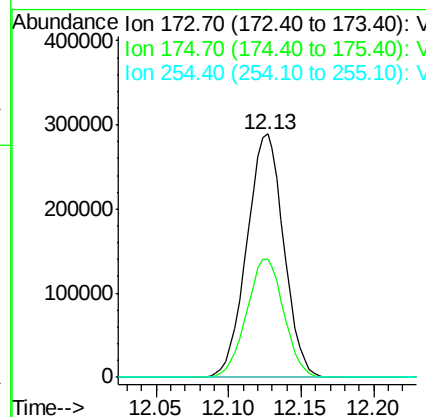
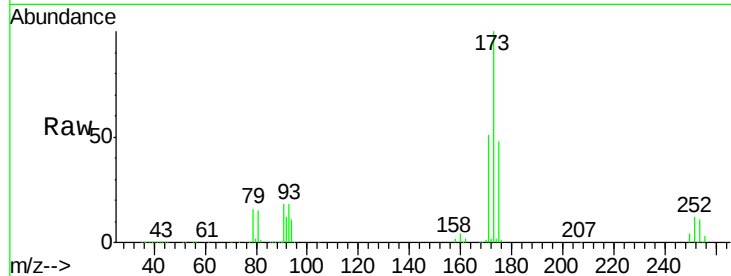
#71
Bromoform
Concen: 54.432 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.2	0.2	0.2

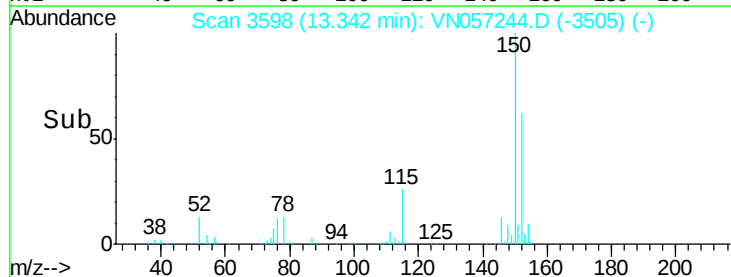
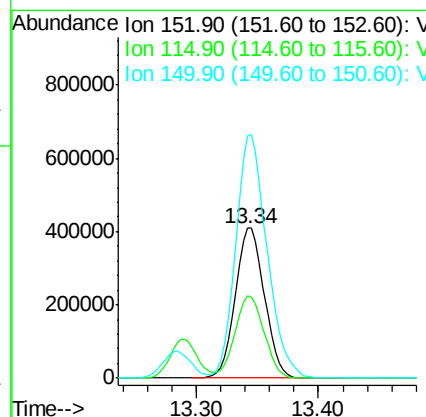
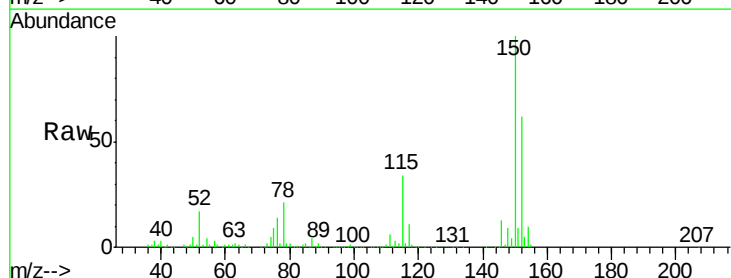
Manual Integrations
APPROVED

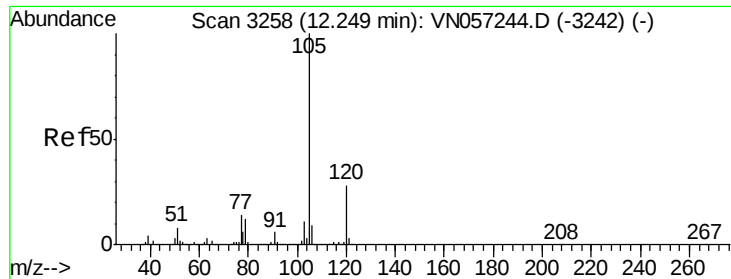
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	174.2	0.0	348.4





#73

Isopropylbenzene

Concen: 50.809 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2825281

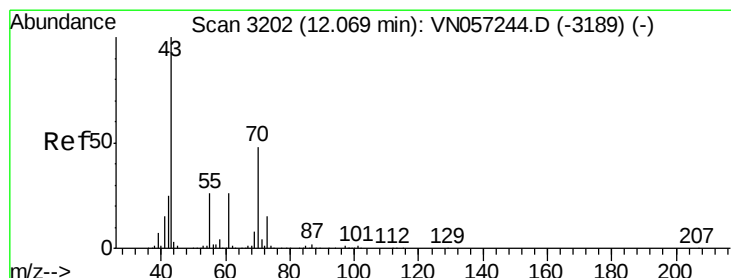
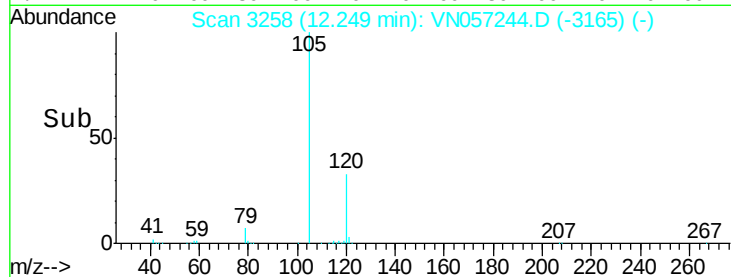
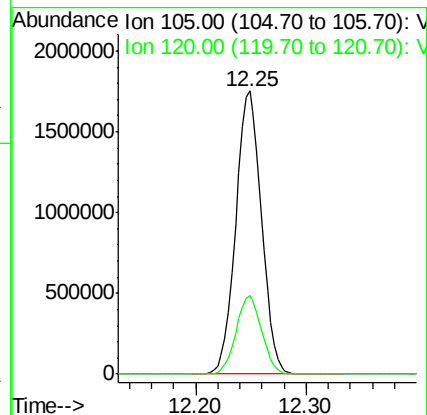
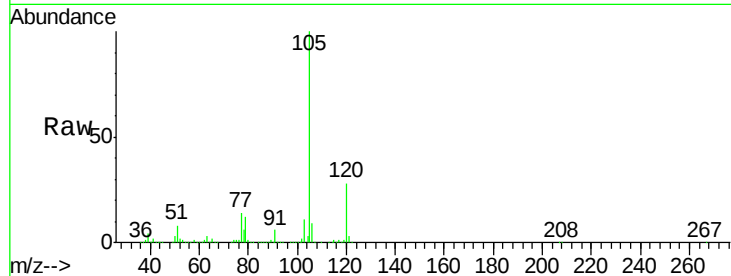
Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 41.935 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion: 43 Resp: 829825

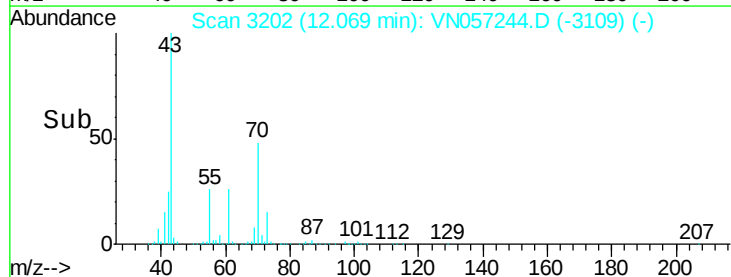
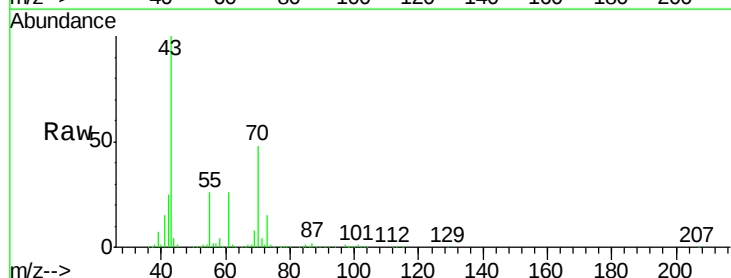
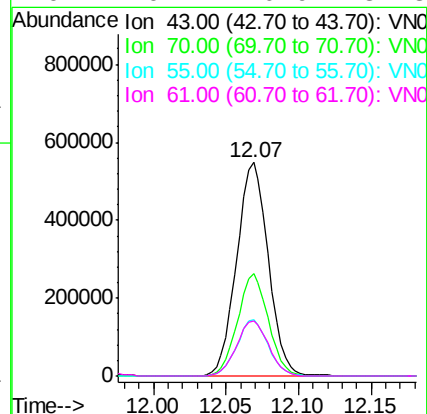
Ion Ratio Lower Upper

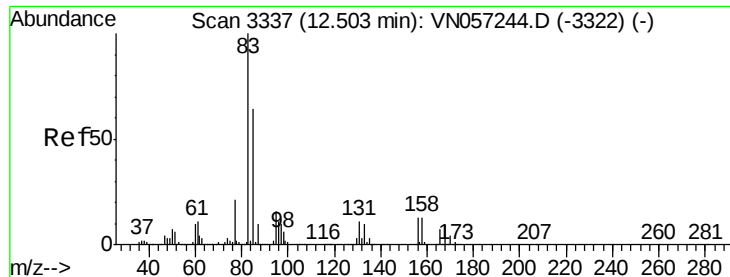
43 100

70 46.8 37.4 56.2

55 26.2 21.0 31.4

61 26.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 42.586 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 778791

Ion Ratio Lower Upper

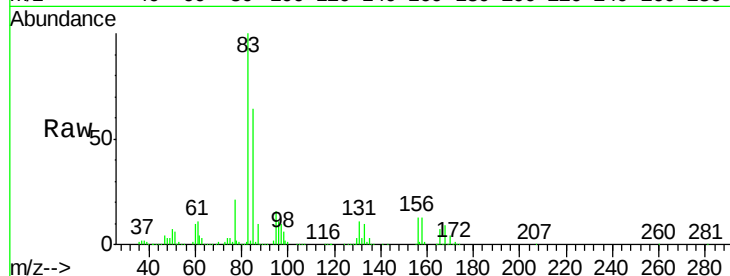
83 100

131 11.2 5.6 16.8

85 64.5 32.3 96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

12.50

400000

300000

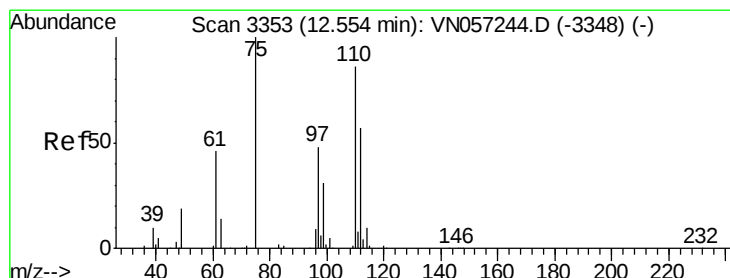
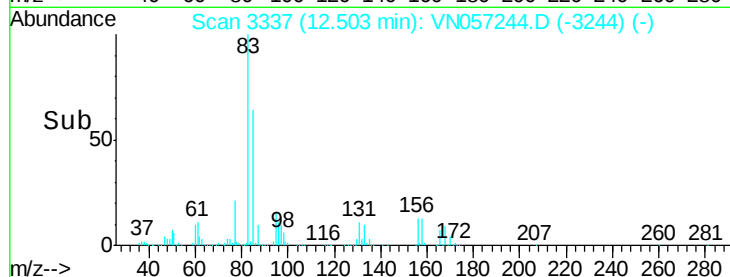
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 43.727 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057244.D

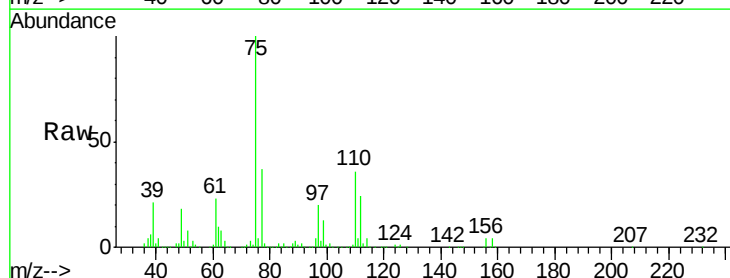
Acq: 13 Aug 2019 12:39

Tgt Ion: 75 Resp: 637439

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.55

400000

300000

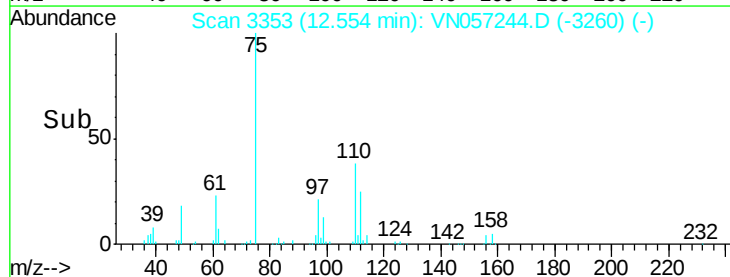
200000

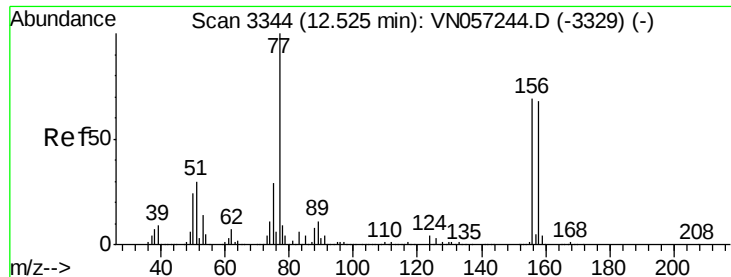
100000

0

12.55

Time-->





#77

Bromobenzene

Concen: 51.456 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

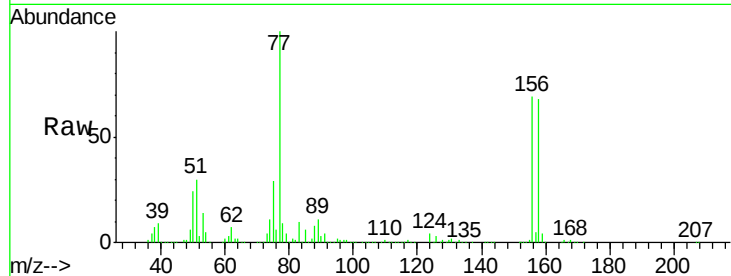
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.1	88.0	264.1
158	98.7	49.4	148.0

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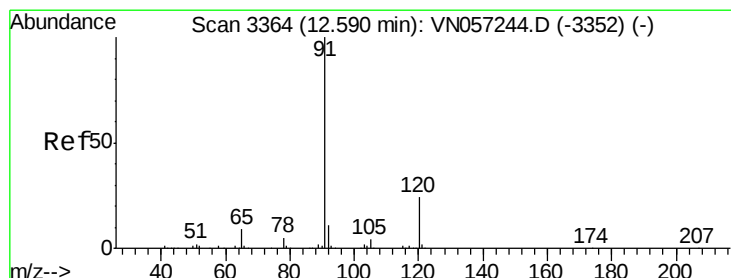
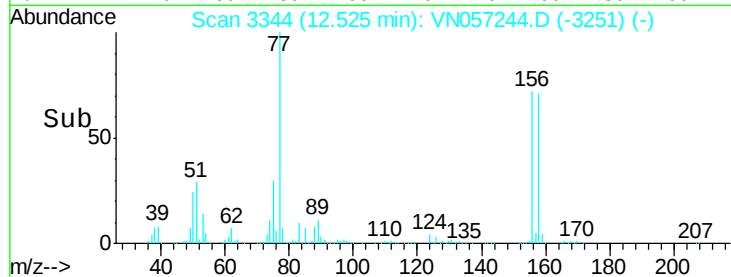
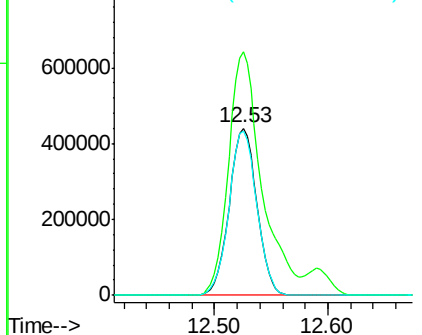
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.183 ug/l

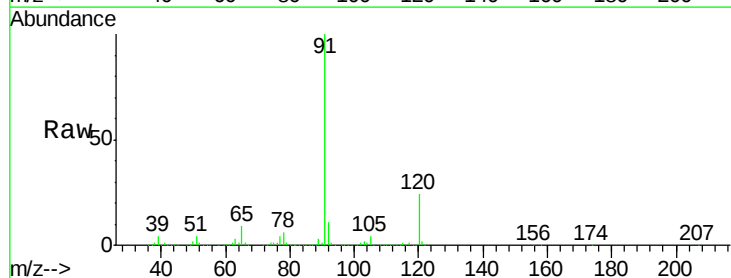
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057244.D

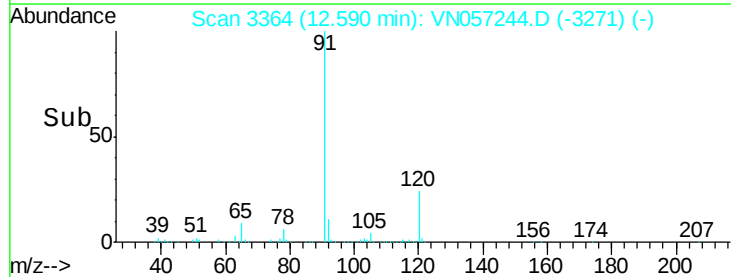
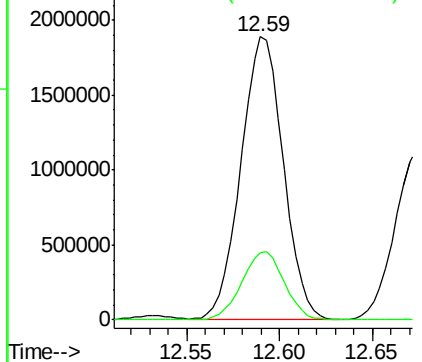
Acq: 13 Aug 2019 12:39

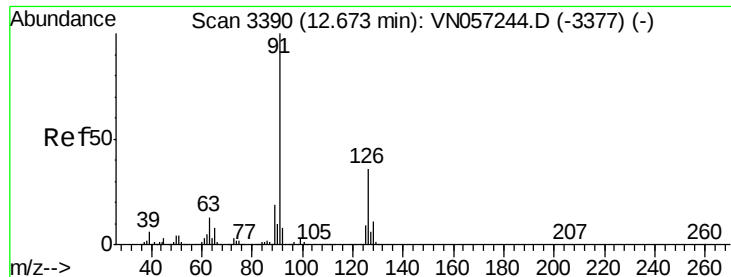
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.520 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1842854

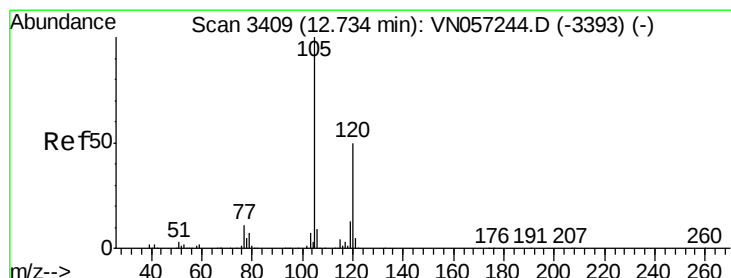
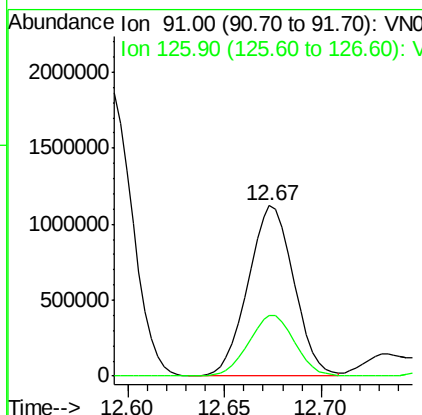
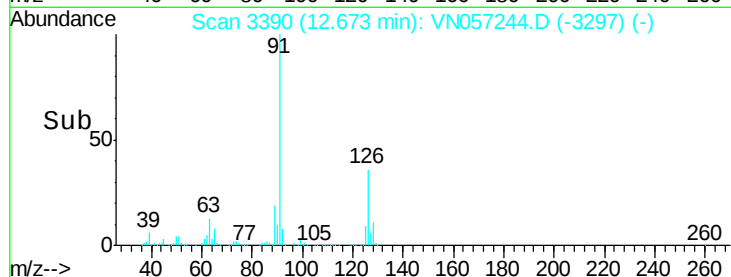
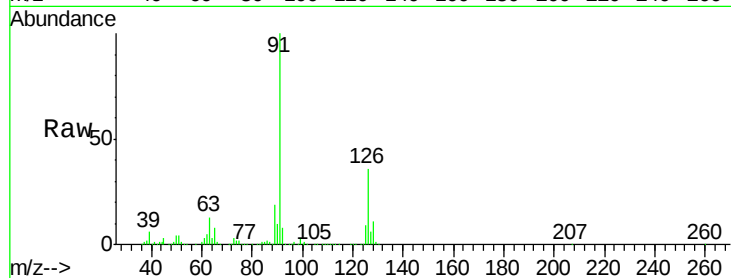
Ion Ratio Lower Upper

91 100

126 36.0 18.0 54.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.258 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057244.D

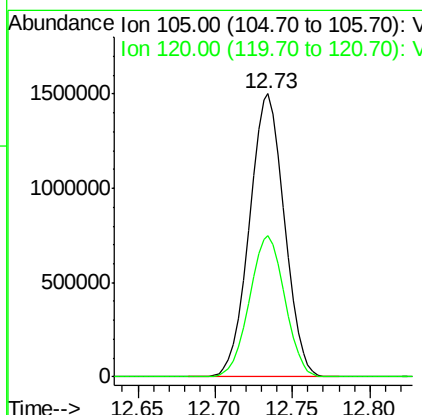
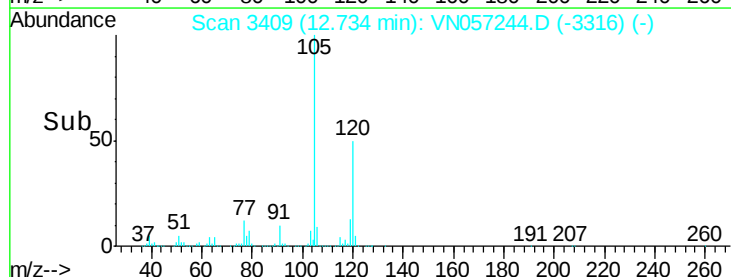
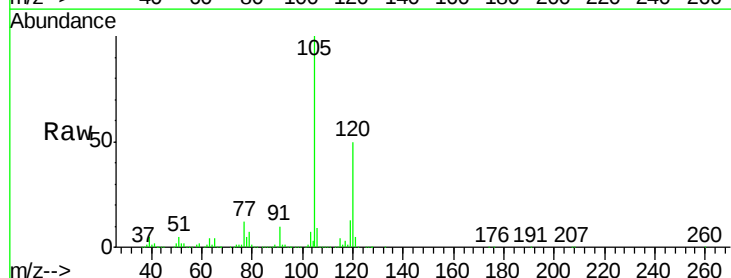
Acq: 13 Aug 2019 12:39

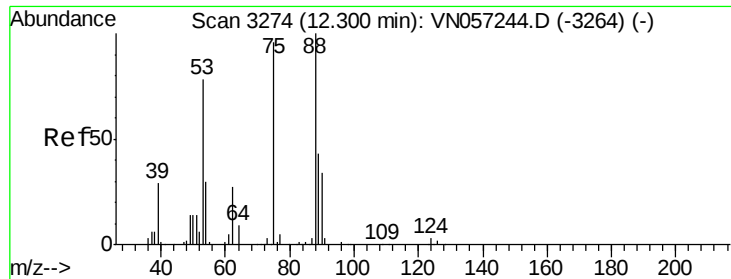
Tgt Ion:105 Resp: 2360770

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.003 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

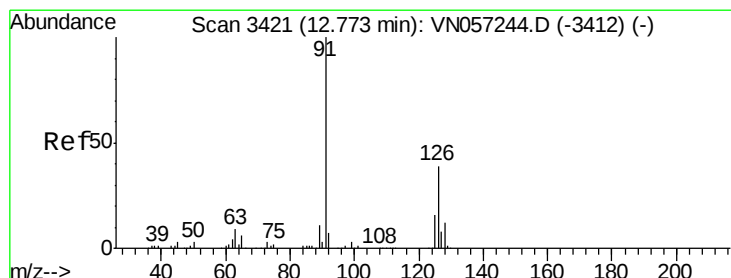
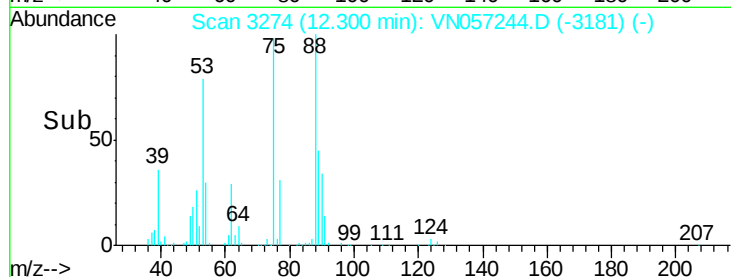
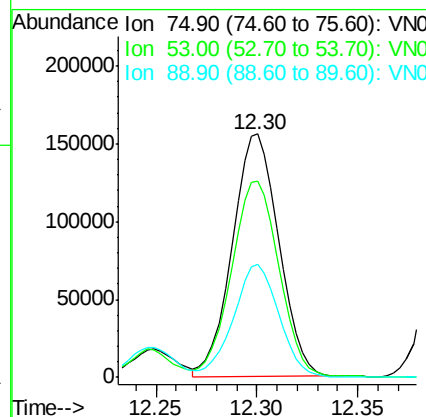
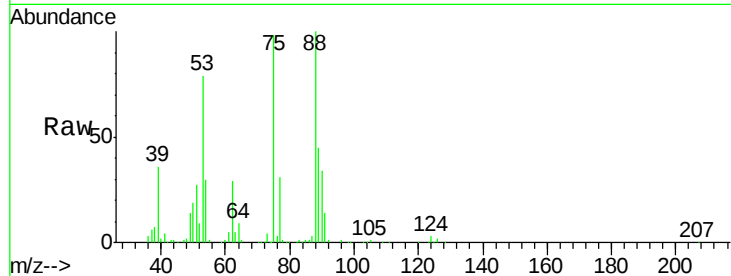
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	251170
Ion	Ratio	Lower	Upper
75	100		
53	82.2	65.8	98.6
89	45.9	36.7	55.1

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#82

4-Chlorotoluene

Concen: 49.006 ug/l

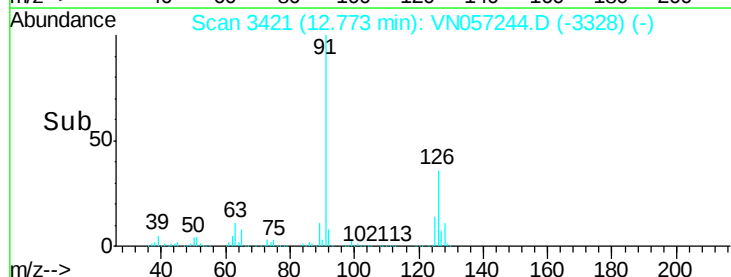
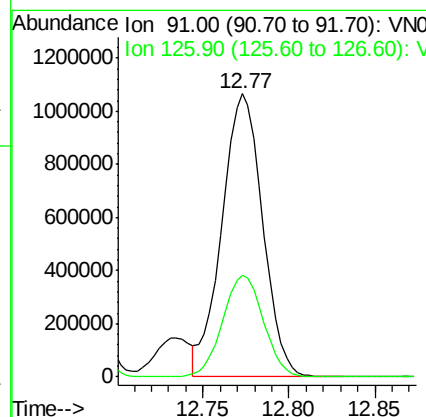
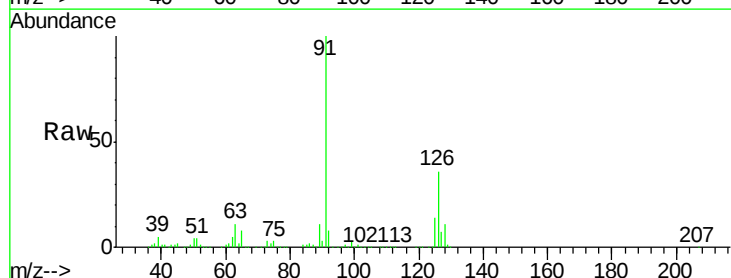
RT: 12.77 min Scan# 3421

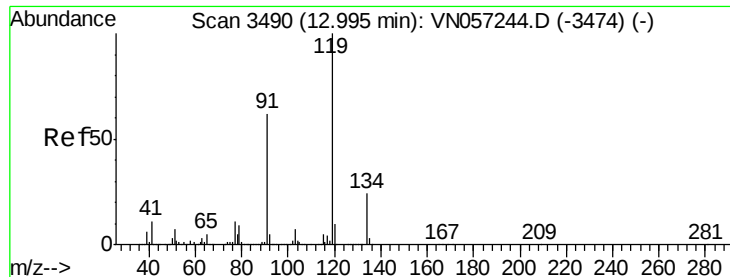
Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion:	91	Resp:	1752765
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





#83

tert-Butylbenzene

Concen: 51.365 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:119 Resp: 2120213

Ion Ratio Lower Upper

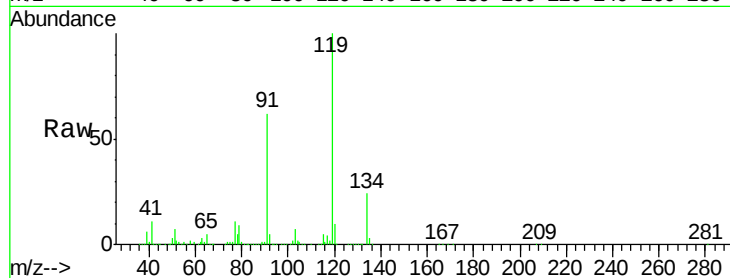
119 100

91 61.5 30.8 92.3

134 25.8 12.9 38.7

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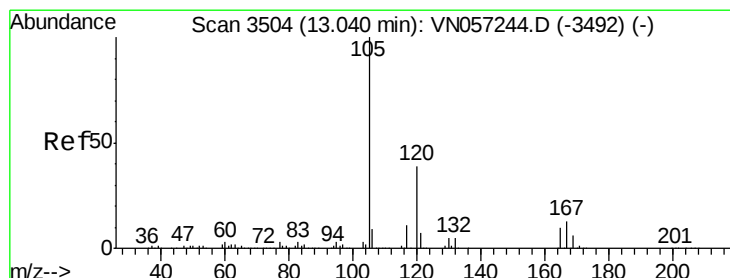
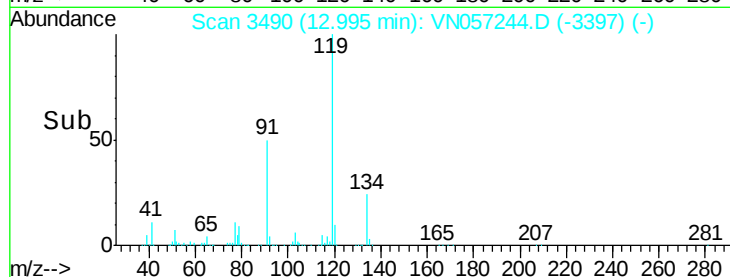
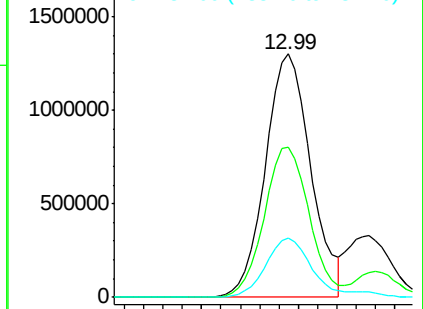
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.096 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057244.D

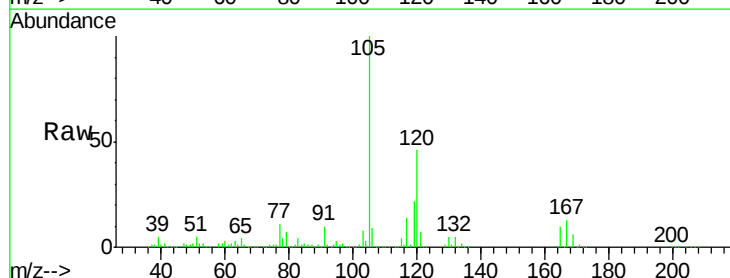
Acq: 13 Aug 2019 12:39

Tgt Ion:105 Resp: 2234210

Ion Ratio Lower Upper

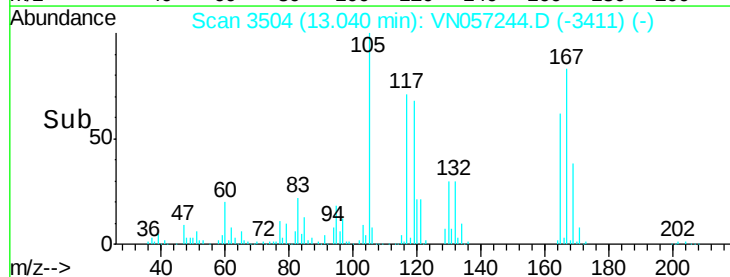
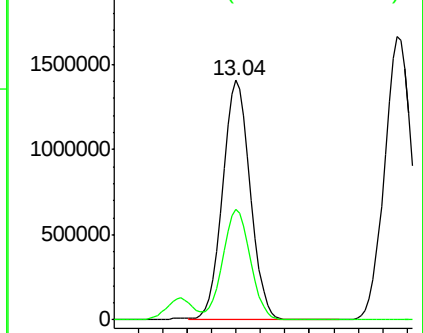
105 100

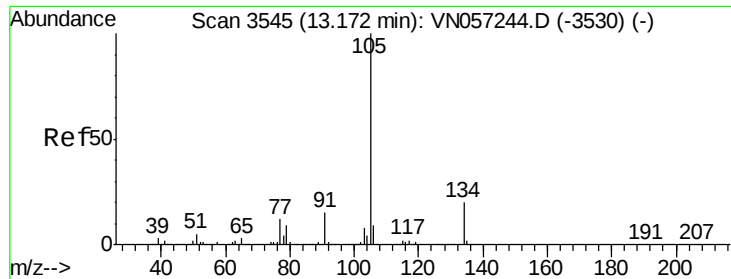
120 46.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.532 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2633439

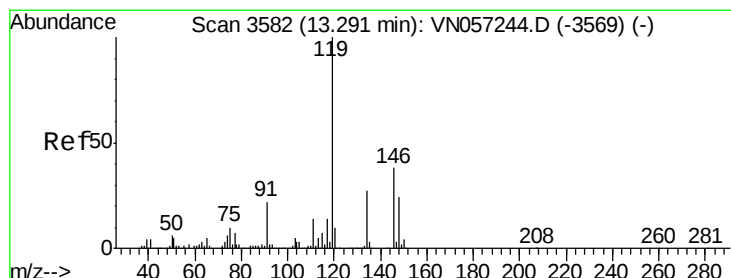
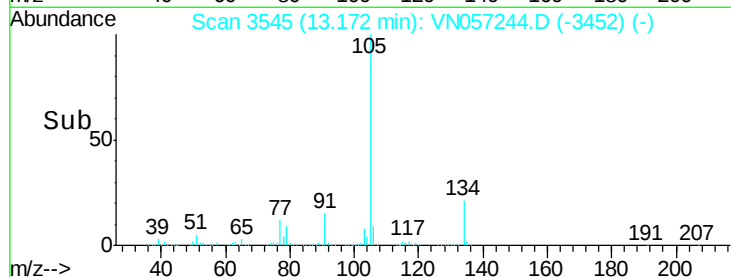
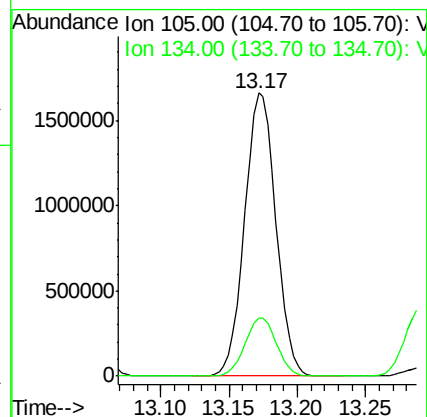
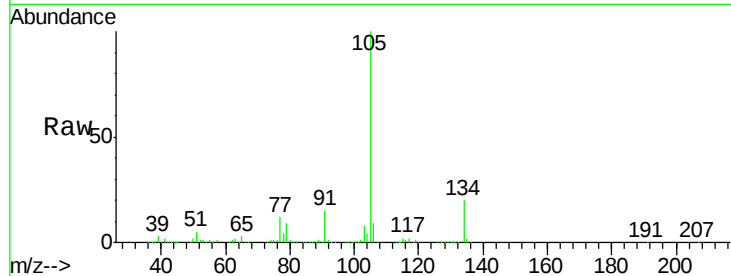
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 49.383 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

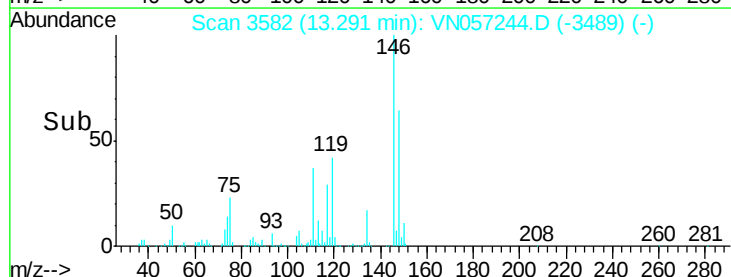
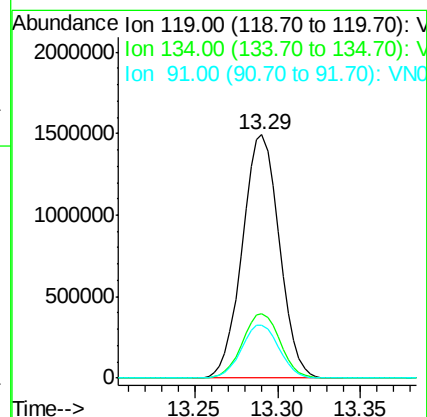
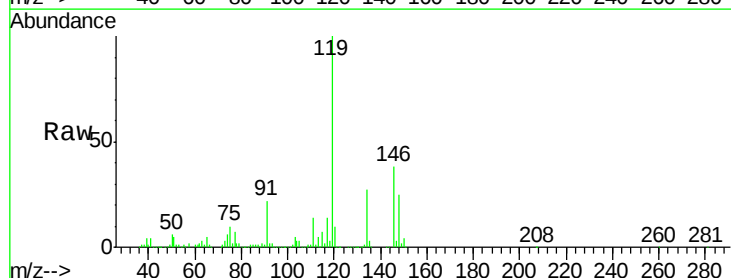
Tgt Ion:119 Resp: 2318925

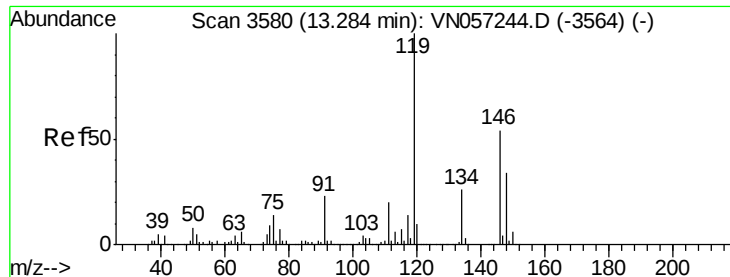
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.2 11.1 33.3





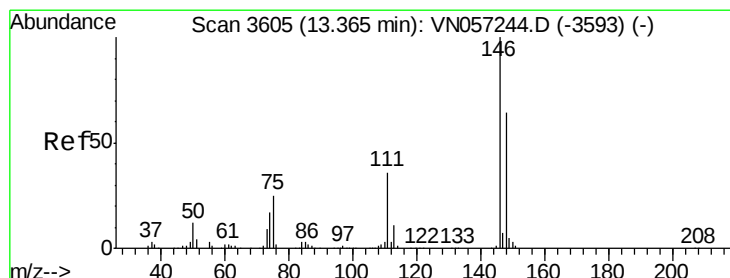
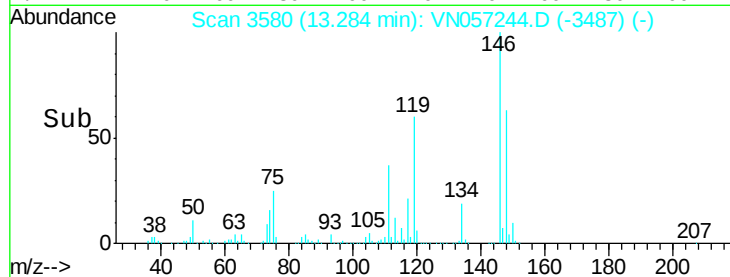
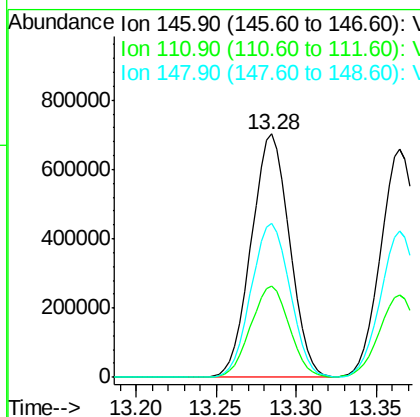
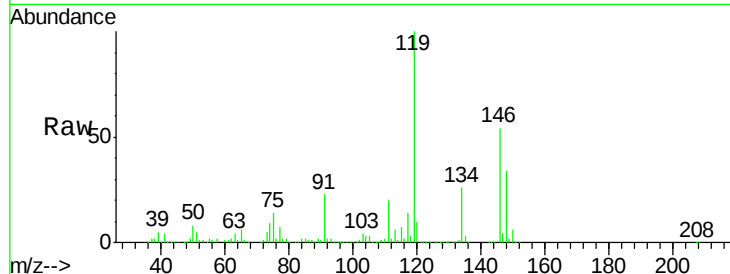
#87
 1,3-Dichlorobenzene
 Concen: 49.113 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 1155391
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 64.3 32.1 96.5

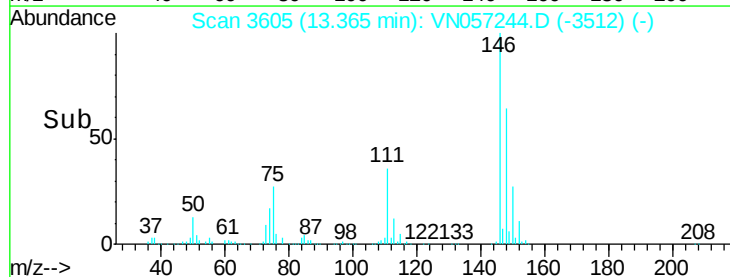
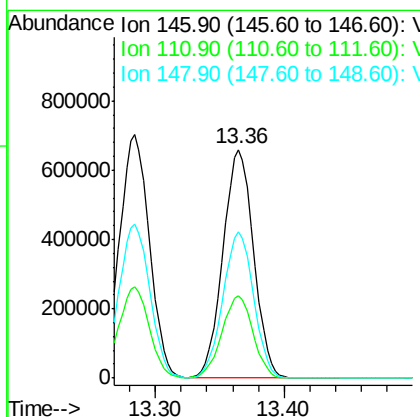
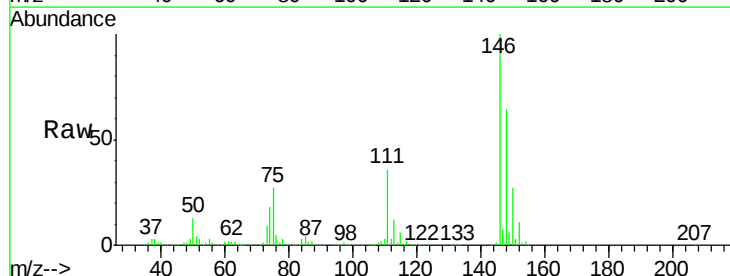
Manual Integrations
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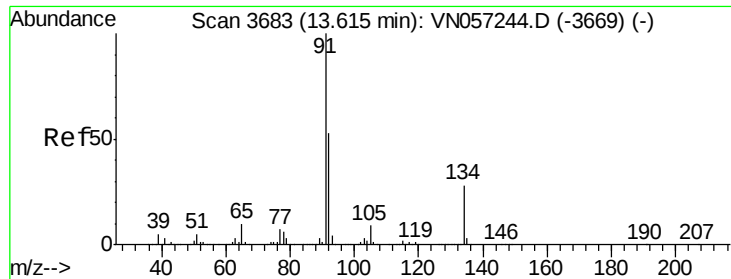
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#88
 1,4-Dichlorobenzene
 Concen: 47.711 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion:146 Resp: 1085430
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.3 54.8
 148 64.0 32.0 96.0





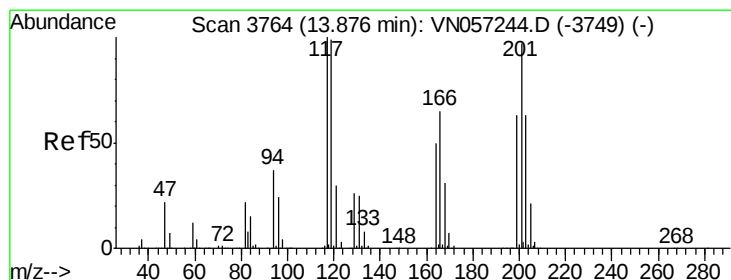
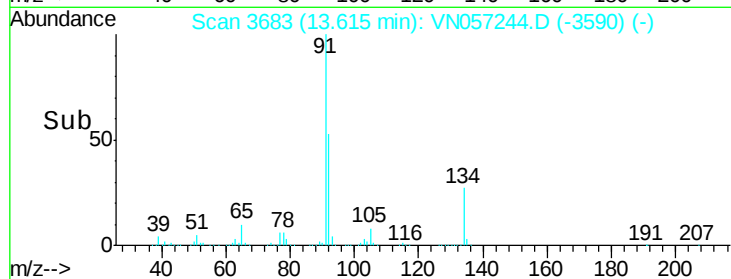
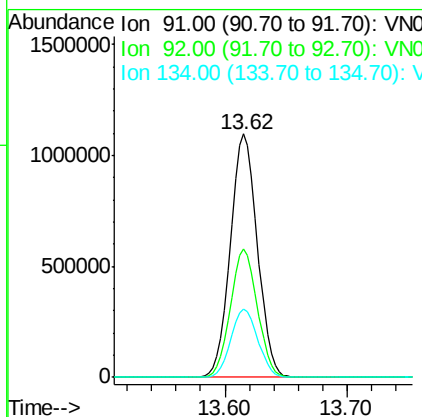
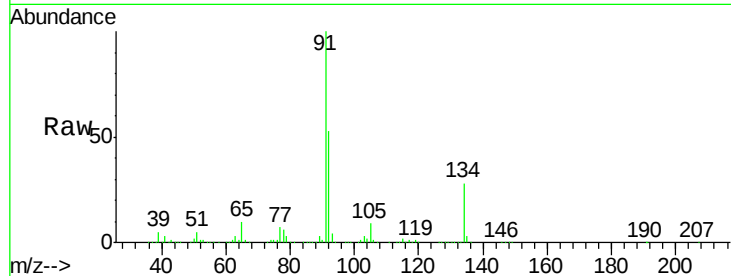
#89
n-Butylbenzene
Concen: 45.786 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1690249
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 28.2 14.1 42.3

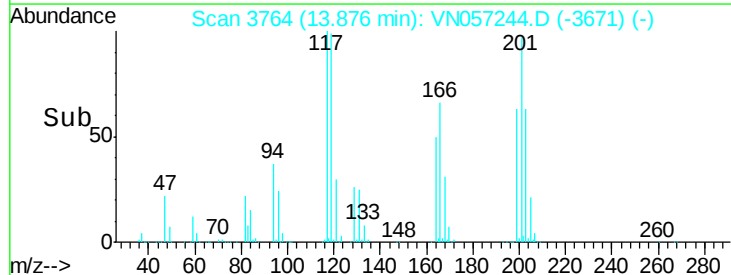
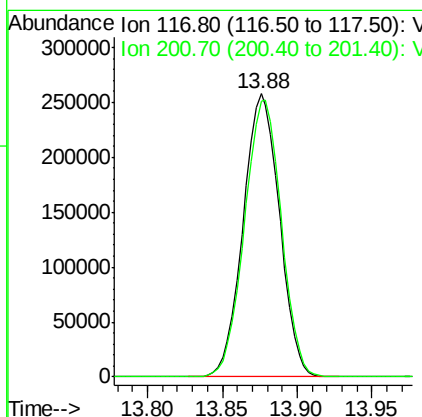
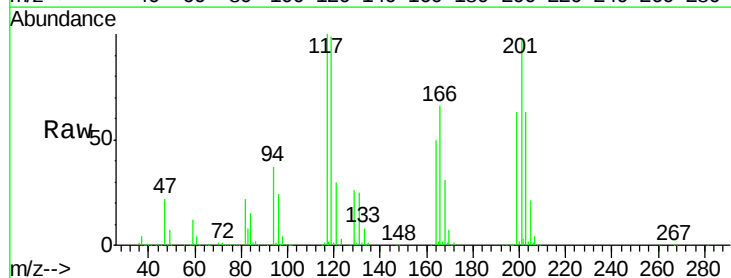
Manual Integrations
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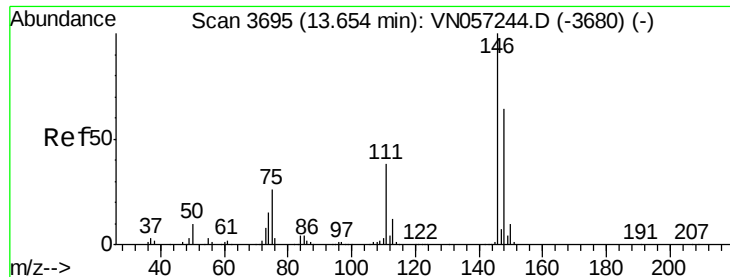
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#90
Hexachloroethane
Concen: 55.946 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057244.D
Acq: 13 Aug 2019 12:39

Tgt Ion: 117 Resp: 436019
Ion Ratio Lower Upper
117 100
201 99.0 49.5 148.5





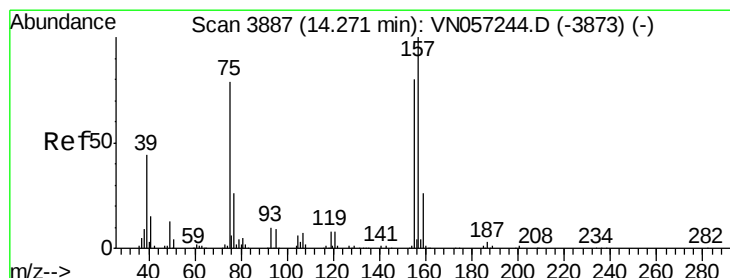
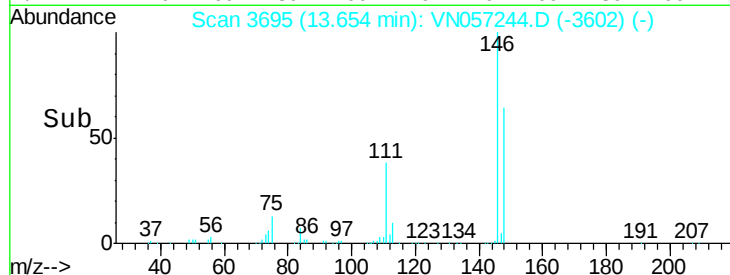
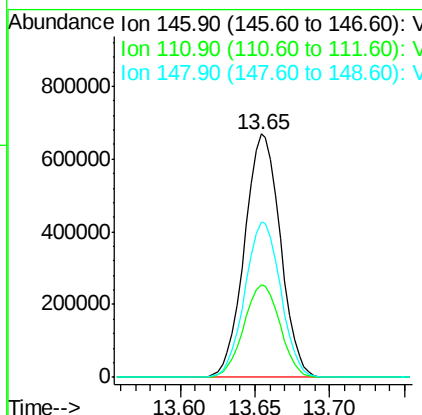
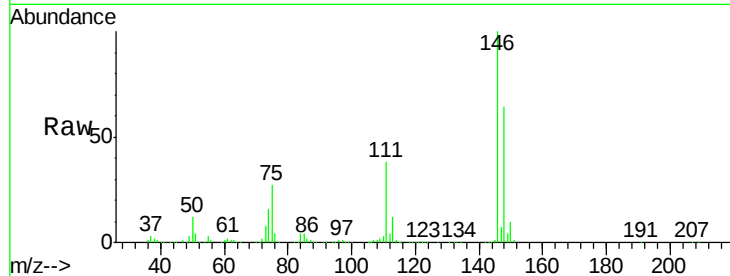
#91
 1,2-Dichlorobenzene
 Concen: 46.717 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.7	31.9	95.5

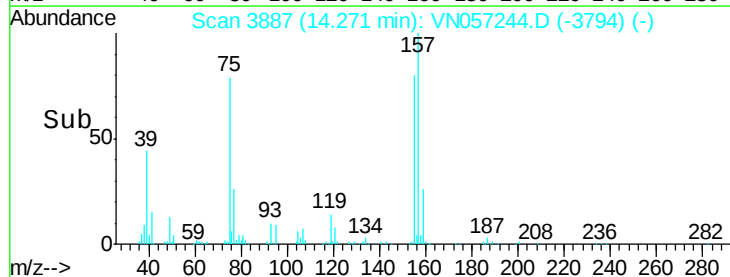
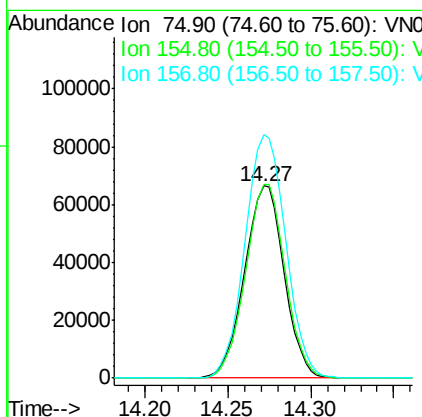
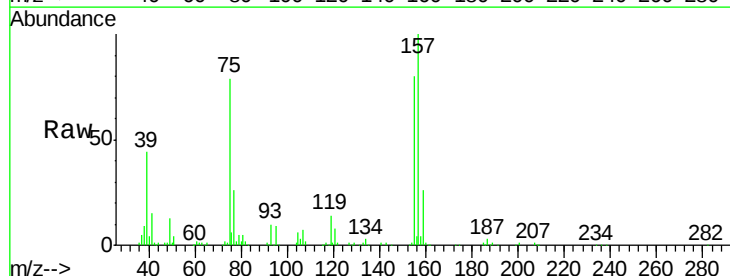
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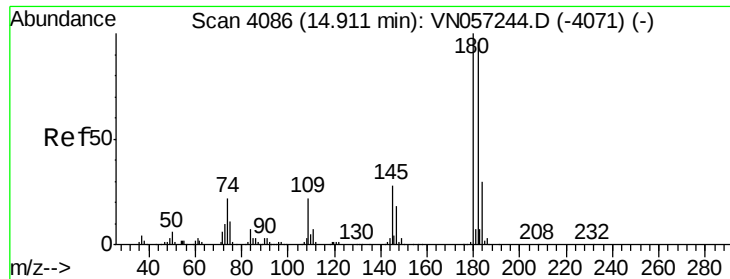
MMDadoda
 8/16/2019 8:58:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.321 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	50.3	151.0
157	130.6	65.3	195.9





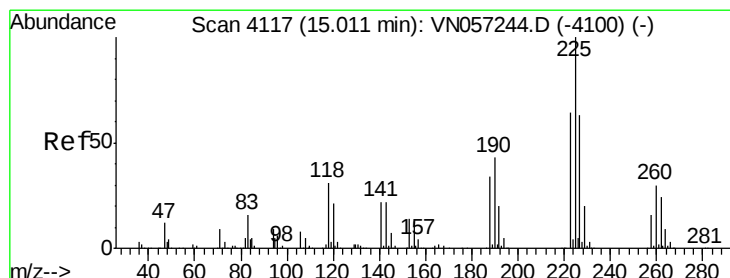
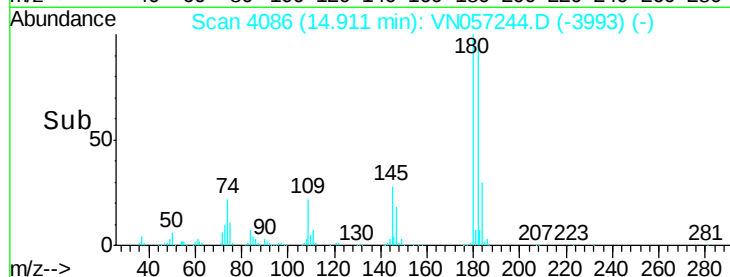
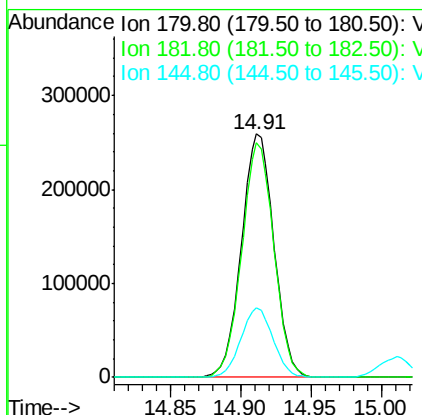
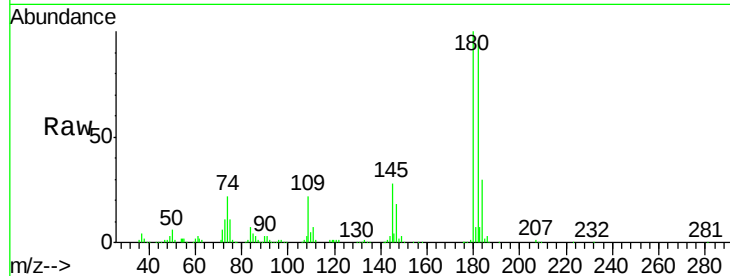
#93
 1,2,4-Trichlorobenzene
 Concen: 40.439 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	417403		
182	95.4	47.7	143.1	
145	28.4	14.2	42.6	

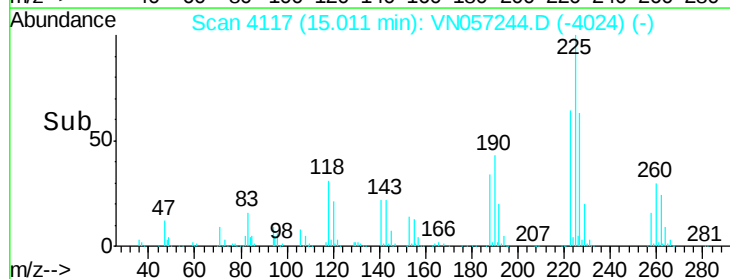
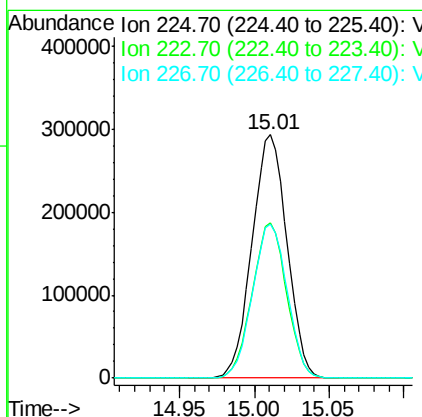
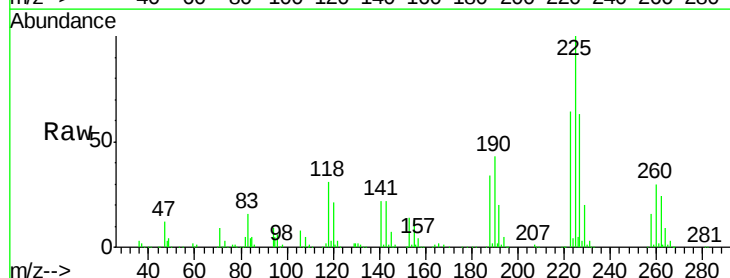
Manual Integrations
 APPROVED

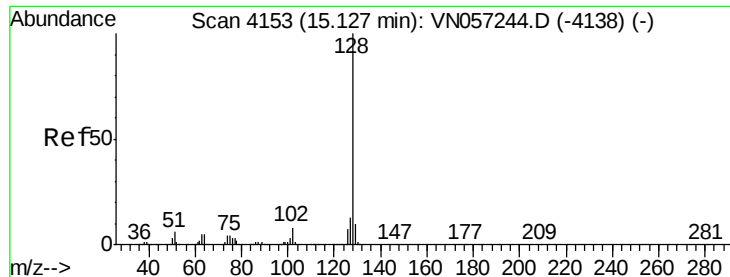
MMDadoda
 8/16/2019 8:58:19 AM



#94
 Hexachlorobutadiene
 Concen: 53.739 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057244.D
 Acq: 13 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	476739		
223	62.8	31.4	94.2	
227	62.9	31.4	94.3	





#95

Naphthalene

Concen: 28.741 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Instrument :

MSVOA_N

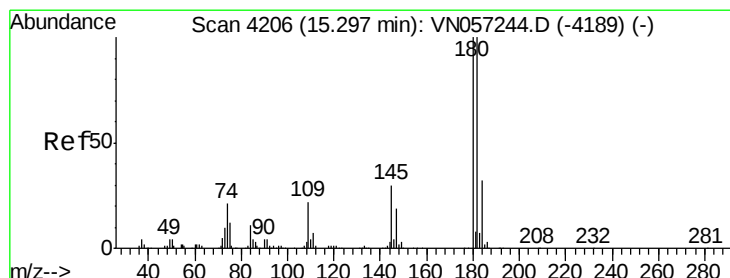
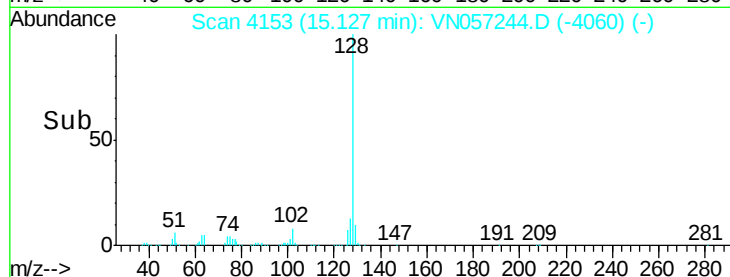
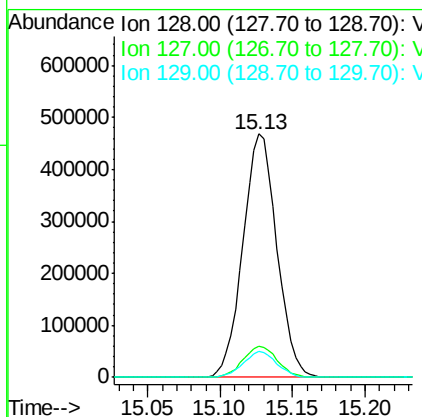
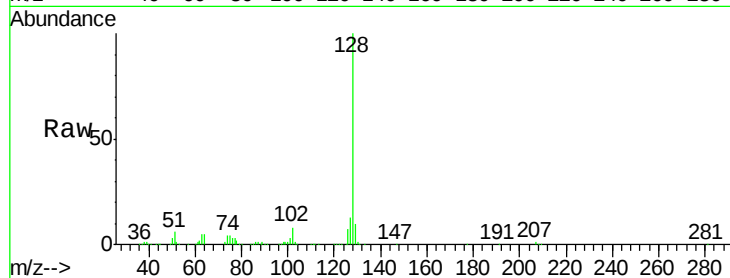
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	761923
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.6	8.5	12.7

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 35.066 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057244.D

Acq: 13 Aug 2019 12:39

Tgt Ion:	180	Resp:	369071
Ion Ratio	Lower	Upper	
180	100		
182	97.8	48.9	146.7
145	30.1	15.0	45.1

