

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\
 Data File : VN057609.D
 Acq On : 31 Aug 2019 00:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:28:58 AM

Quant Time: Aug 31 01:41:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 11:59:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	432662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	692826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	347149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	366961	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.58	113	293840	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.08	98	1225060	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.40	95	430003	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	243438	50.073	ug/l	96
3) Chloromethane	2.06	50	226168	46.594	ug/l	98
4) Vinyl Chloride	2.18	62	351274	49.054	ug/l	97
5) Bromomethane	2.55	94	321335	52.111	ug/l	100
6) Chloroethane	2.70	64	238312	49.636	ug/l	98
7) Trichlorofluoromethane	3.01	101	764775	51.417	ug/l	99
8) Diethyl Ether	3.40	74	235452	47.643	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.74	101	441057	50.631	ug/l #	83
10) Methyl Iodide	3.93	142	729184	51.137	ug/l	93
11) Tert butyl alcohol	4.80	59	149098	213.498	ug/l	100
12) 1,1-Dichloroethene	3.72	96	423307	51.637	ug/l #	72
13) Acrolein	3.59	56	136424	228.144	ug/l	97
14) Allyl chloride	4.30	41	289977	48.326	ug/l #	84
15) Acrylonitrile	4.98	53	443648	256.574	ug/l	99
16) Acetone	3.81	43	608349	212.521	ug/l	96
17) Carbon Disulfide	4.03	76	453416	40.459	ug/l	99
18) Methyl Acetate	4.31	43	223786	57.235	ug/l #	88
19) Methyl tert-butyl Ether	5.03	73	742085	47.521	ug/l	91
20) Methylene Chloride	4.53	84	236705	44.637	ug/l #	83
21) trans-1,2-Dichloroethene	5.02	96	242945	47.375	ug/l	85
22) Diisopropyl ether	5.94	45	708771	52.691	ug/l #	92
23) Vinyl Acetate	5.88	43	2830467	269.280	ug/l #	91
24) 1,1-Dichloroethane	5.83	63	451457	50.970	ug/l	99
25) 2-Butanone	6.83	43	583517	258.254	ug/l #	83
26) 2,2-Dichloropropane	6.81	77	344717	38.118	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	309378	49.815	ug/l	80
28) Bromochloromethane	7.18	49	215618	57.911	ug/l #	59
29) Tetrahydrofuran	7.20	42	370599	262.276	ug/l #	76
30) Chloroform	7.36	83	538287	48.972	ug/l	97
31) Cyclohexane	7.64	56	401207	48.774	ug/l #	82
32) 1,1,1-Trichloroethane	7.56	97	488107	49.955	ug/l	95
36) 1,1-Dichloropropene	7.78	75	378089	50.448	ug/l	95
37) Ethyl Acetate	6.92	43	253501	51.051	ug/l #	94
38) Carbon Tetrachloride	7.76	117	411485	46.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	477775	50.104	ug/l #	86
40) Benzene	8.03	78	1166985	50.845	ug/l	98
41) Methacrylonitrile	7.17	41	119917	52.711	ug/l #	87
42) 1,2-Dichloroethane	8.11	62	429356	52.557	ug/l	98
43) Isopropyl Acetate	8.16	43	475099	51.259	ug/l #	92
44) Trichloroethene	8.82	130	327635	51.694	ug/l	84
45) 1,2-Dichloropropane	9.11	63	277616	51.762	ug/l	99
46) Dibromomethane	9.20	93	219802	52.263	ug/l #	88
47) Bromodichloromethane	9.40	83	439390	50.676	ug/l	99
48) Methyl methacrylate	9.19	41	223865	51.140	ug/l #	79
49) 1,4-Dioxane	9.20	88	82917	1037.943	ug/l #	74
51) 4-Methyl-2-Pentanone	9.98	43	1371945	276.955	ug/l	89
52) Toluene	10.15	92	812473	54.639	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	423112	50.495	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	453647	49.985	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	305994	53.505	ug/l	95
56) Ethyl methacrylate	10.43	69	407708	53.560	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	495265	54.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	525506	294.248	ug/l #	85
59) 2-Hexanone	10.75	43	937065	273.989	ug/l	88
60) Dibromochloromethane	10.90	129	348251	53.385	ug/l	99
61) 1,2-Dibromoethane	11.00	107	332765	55.604	ug/l	97
64) Tetrachloroethene	10.63	164	338252	46.331	ug/l	93
65) Chlorobenzene	11.43	112	916782	51.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	339092	48.190	ug/l	98
67) Ethyl Benzene	11.51	91	1622880	51.795	ug/l	96
68) m/p-Xylenes	11.62	106	1261848	105.739	ug/l	89
69) o-Xylene	11.95	106	604253	50.422	ug/l	93
70) Styrene	11.96	104	999857	55.275	ug/l	95
71) Bromoform	12.13	173	228327	48.609	ug/l	99
73) Isopropylbenzene	12.25	105	1659499	52.025	ug/l	98
74) N-amyl acetate	12.07	43	401277	54.381	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.51	83	393425	55.496	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	331271m	52.010	ug/l	
77) Bromobenzene	12.53	156	393848	45.989	ug/l	70
78) n-propylbenzene	12.59	91	1746324	47.585	ug/l	95
79) 2-Chlorotoluene	12.67	91	1046571	45.783	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	1393491	47.936	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	92637	40.125	ug/l	96
82) 4-Chlorotoluene	12.77	91	1024932	48.326	ug/l	92
83) tert-Butylbenzene	12.99	119	1221758	55.652	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	1342273	50.485	ug/l	97
85) sec-Butylbenzene	13.17	105	1553906	48.631	ug/l	98
86) p-Isopropyltoluene	13.29	119	1377371	50.152	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	651284	52.365	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	614227	51.500	ug/l	96
89) n-Butylbenzene	13.62	91	1071874	51.520	ug/l	98
90) Hexachloroethane	13.88	117	227592	39.380	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	623514	53.714	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58366	44.822	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217460	45.537	ug/l	97
94) Hexachlorobutadiene	15.01	225	195122	51.003	ug/l	98
95) Naphthalene	15.13	128	618047	53.808	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	213891	54.521	ug/l	99

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

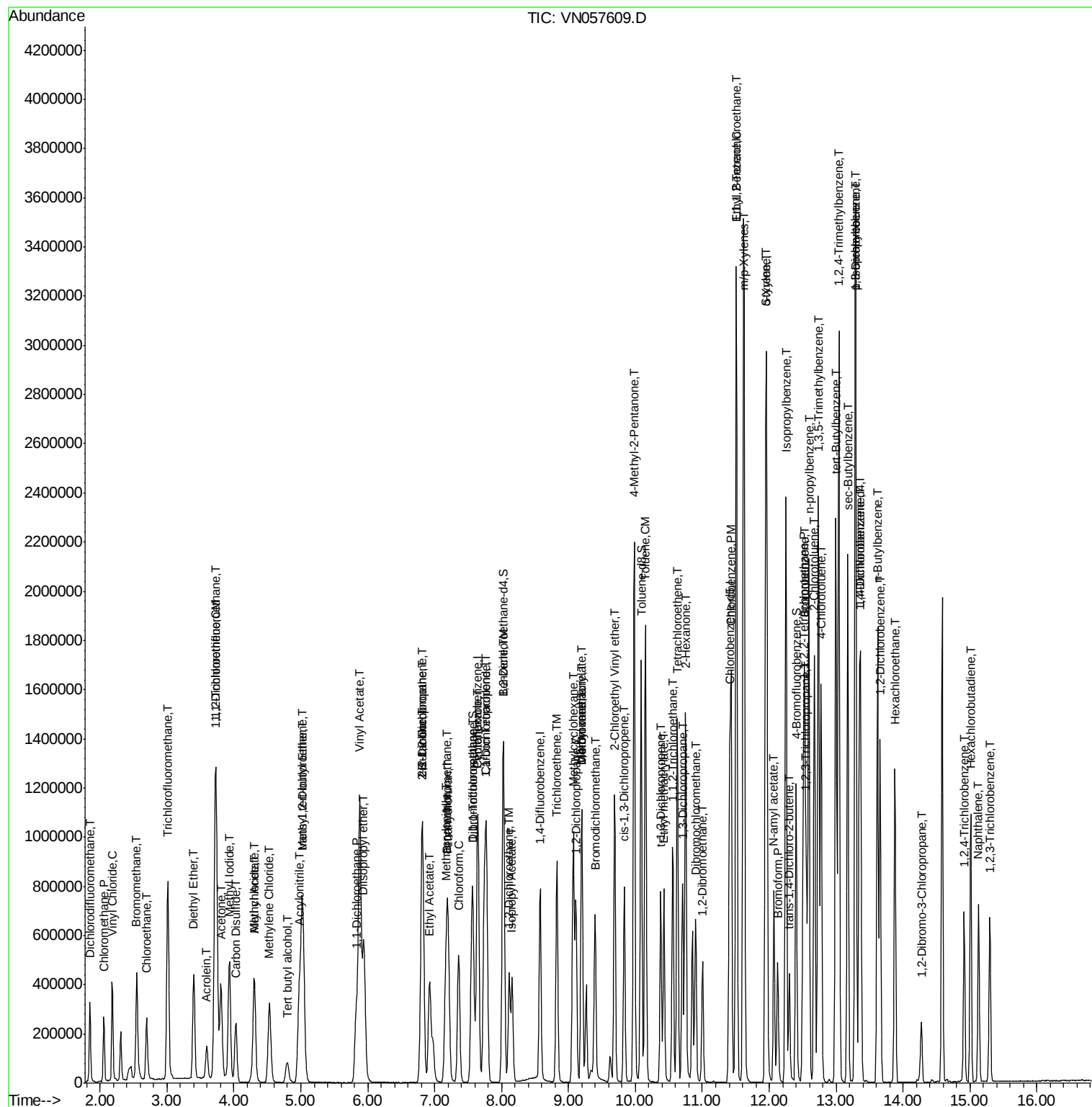
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\
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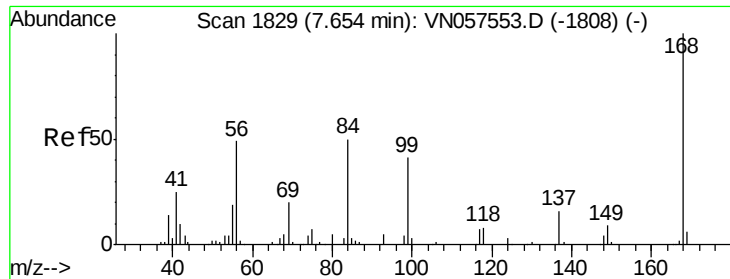
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 432662

Ion Ratio Lower Upper

168 100

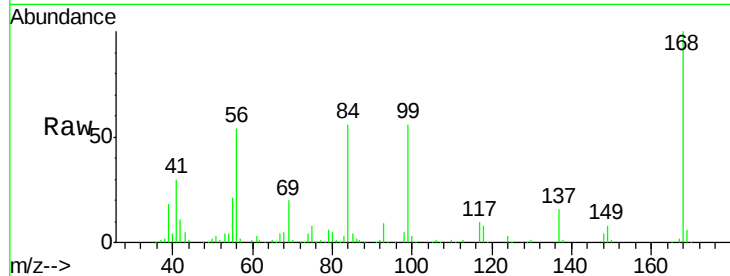
99 55.3 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

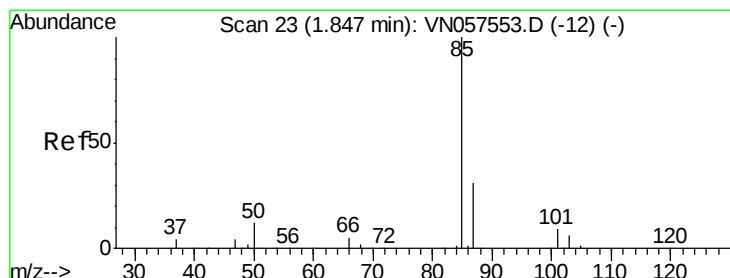
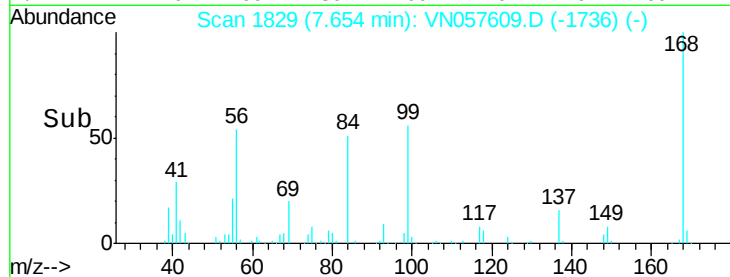
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.073 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057609.D

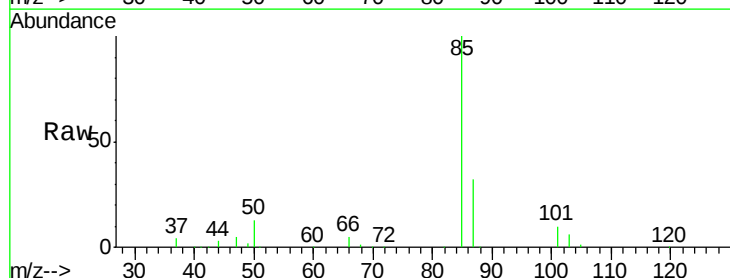
Acq: 31 Aug 2019 00:16

Tgt Ion: 85 Resp: 243438

Ion Ratio Lower Upper

85 100

87 31.7 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

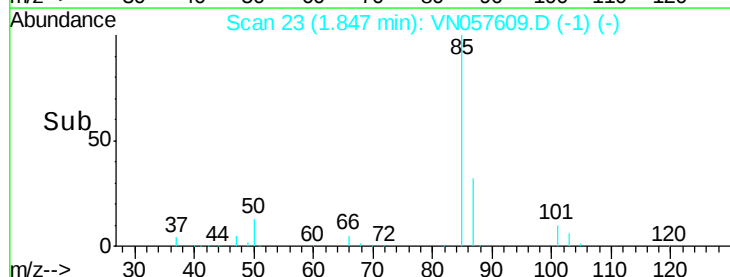
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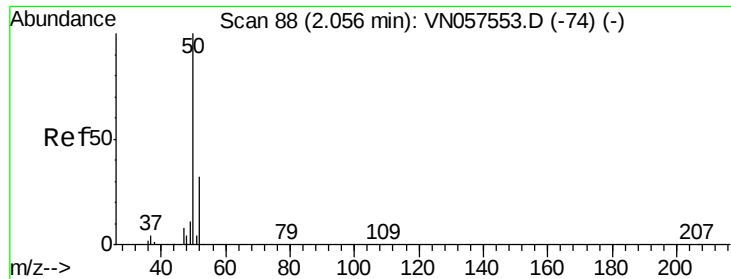
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.594 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 226168

Ion Ratio Lower Upper

50 100

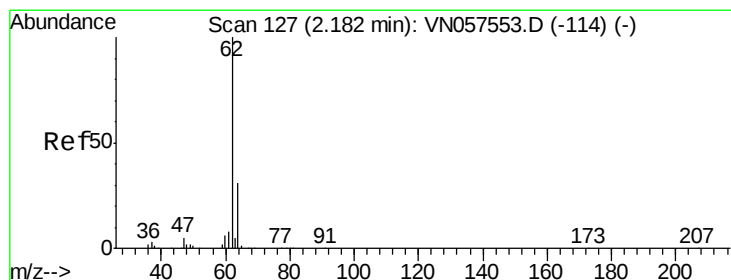
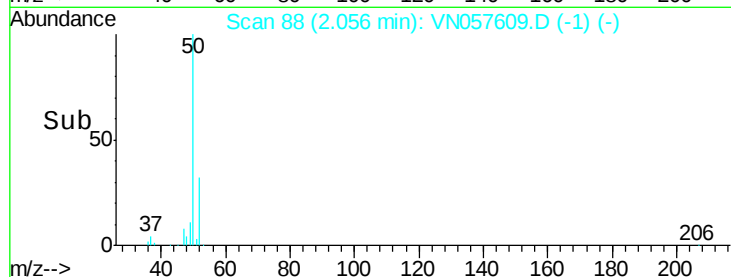
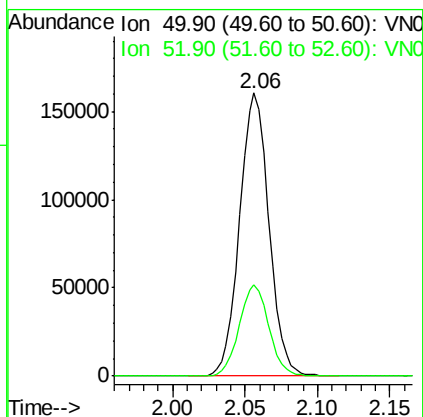
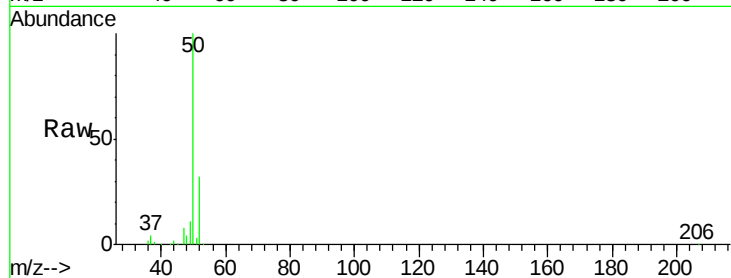
52 32.3 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.054 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057609.D

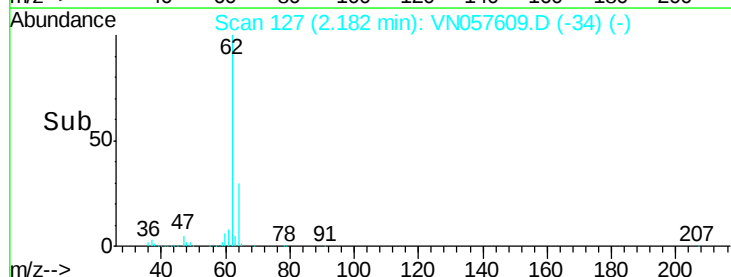
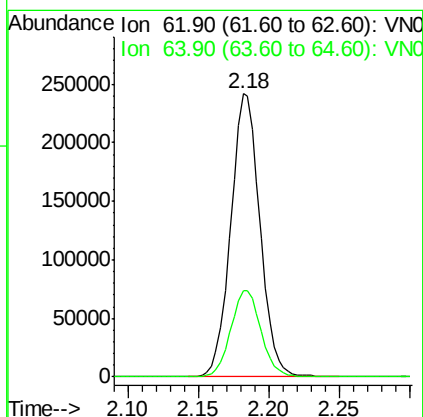
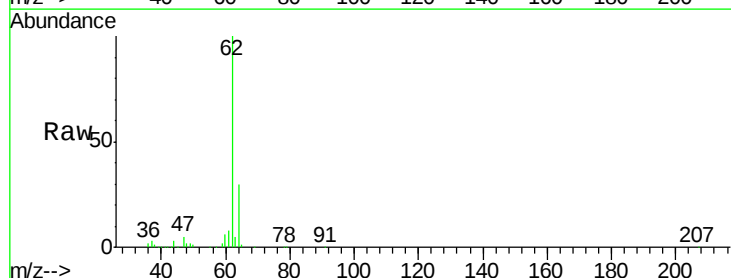
Acq: 31 Aug 2019 00:16

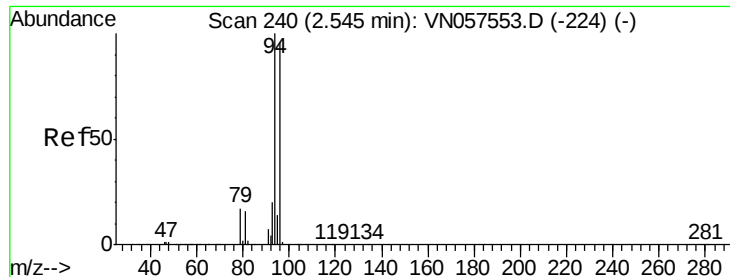
Tgt Ion: 62 Resp: 351274

Ion Ratio Lower Upper

62 100

64 30.4 25.8 38.8





#5

Bromomethane

Concen: 52.111 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 321335

Ion Ratio Lower Upper

94 100

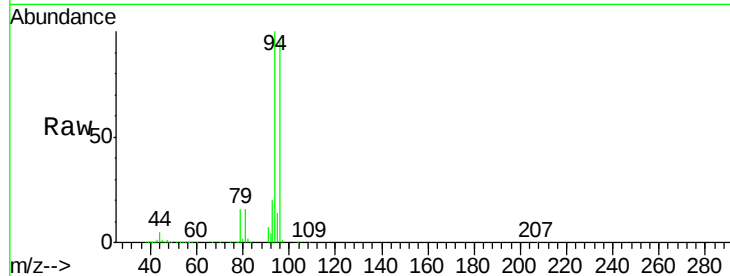
96 95.0 76.2 114.4

Manual Integrations

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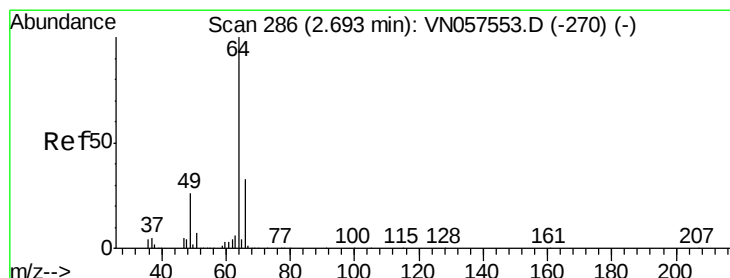
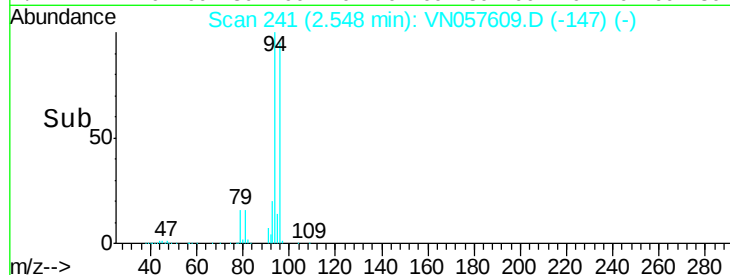
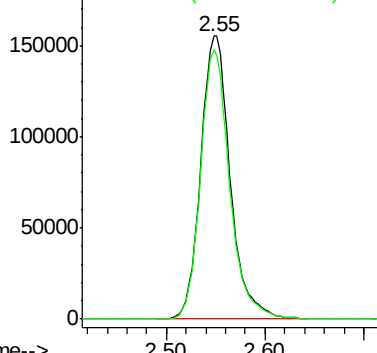
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.636 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN057609.D

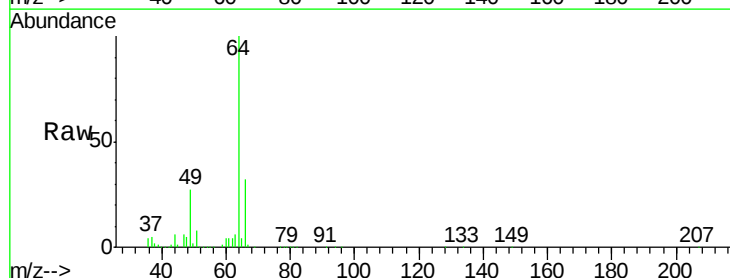
Acq: 31 Aug 2019 00:16

Tgt Ion: 64 Resp: 238312

Ion Ratio Lower Upper

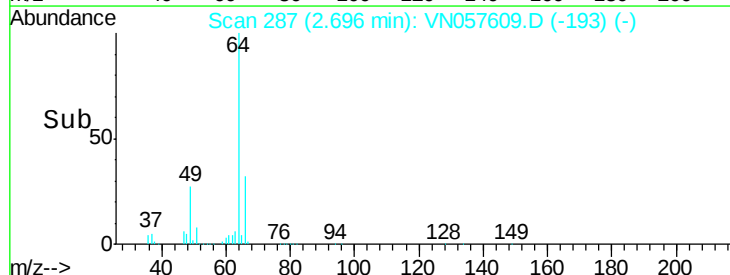
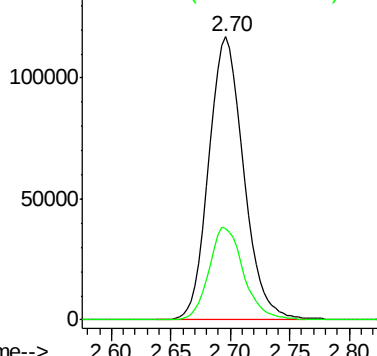
64 100

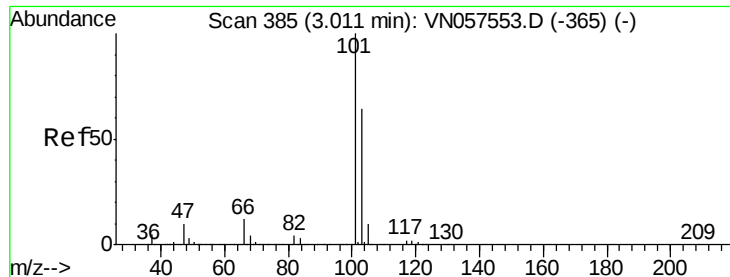
66 32.3 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

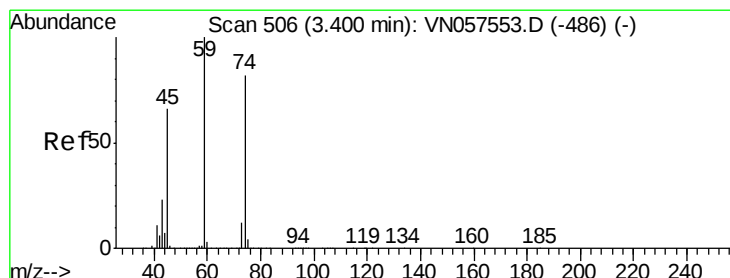
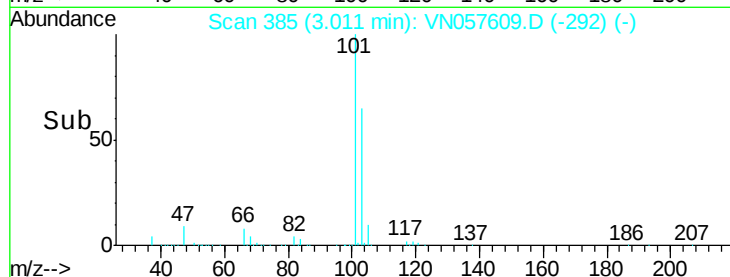
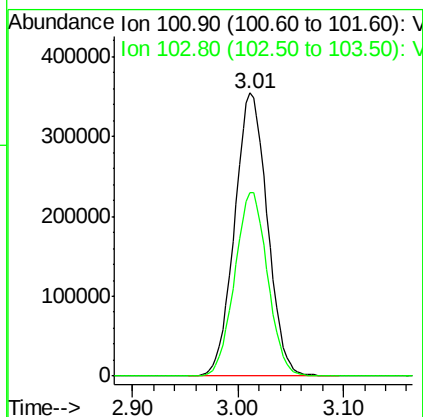
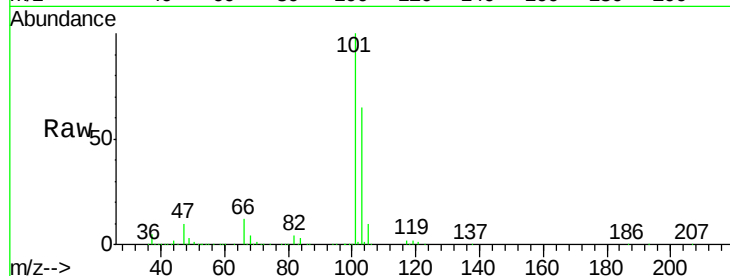
Trichlorofluoromethane
Concen: 51.417 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

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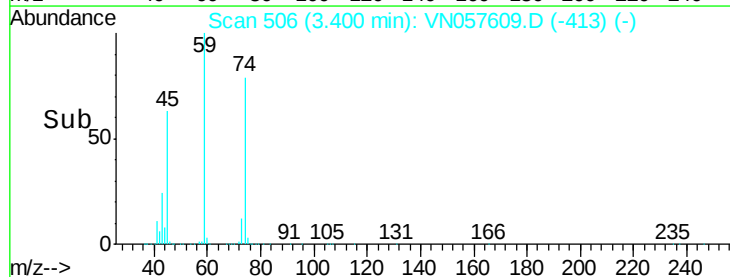
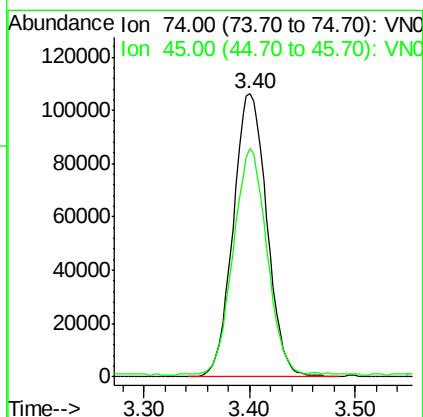
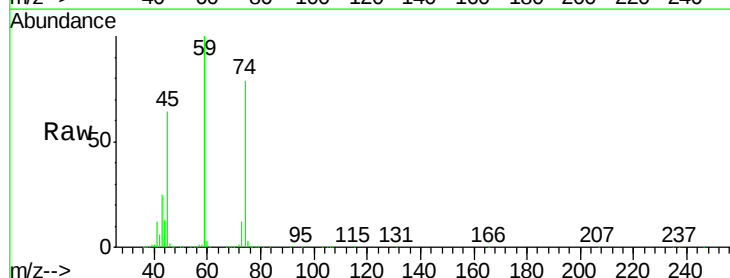
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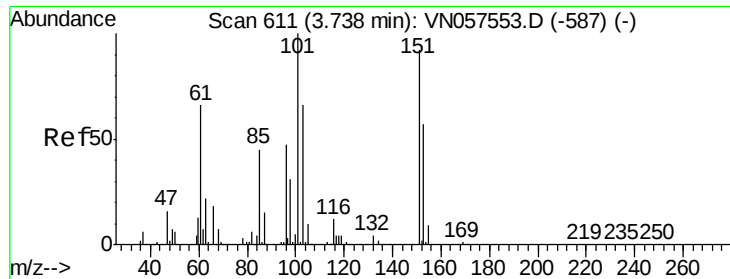


#8

Diethyl Ether
Concen: 47.643 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.8	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.631 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

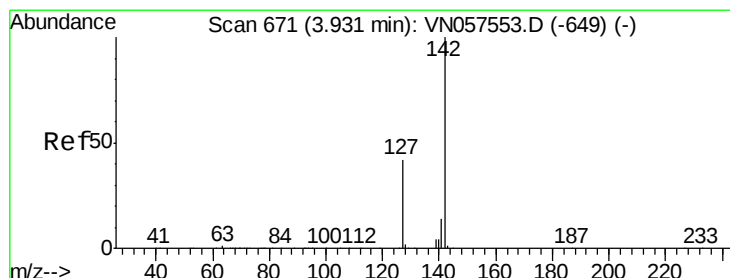
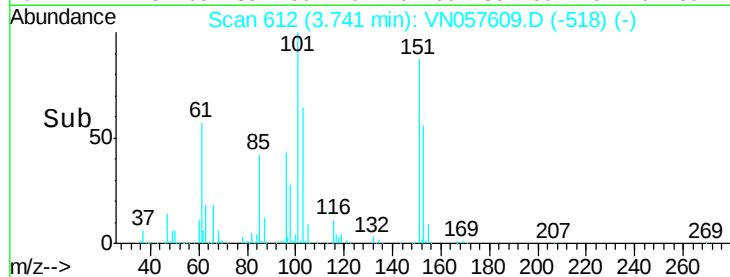
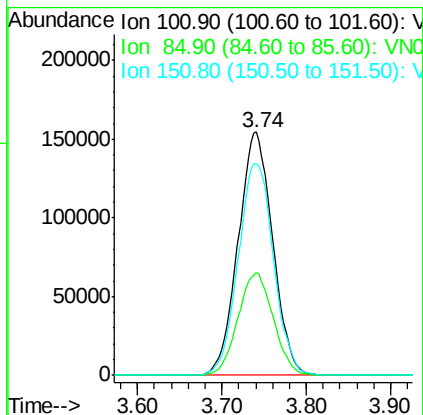
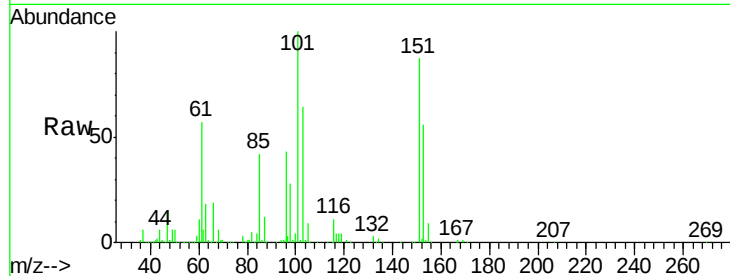
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	441057
Ion Ratio	Lower	Upper	
101	100		
85	43.1	40.0	60.0
151	89.1	57.0	85.6#

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#10

Methyl Iodide

Concen: 51.137 ug/l

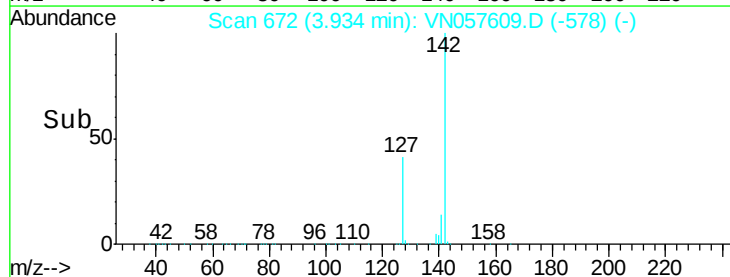
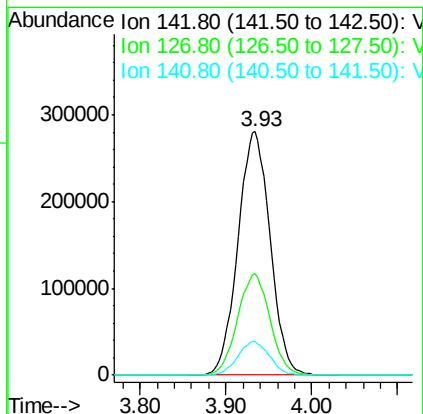
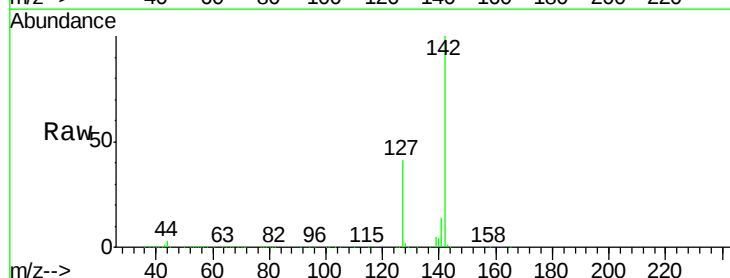
RT: 3.93 min Scan# 672

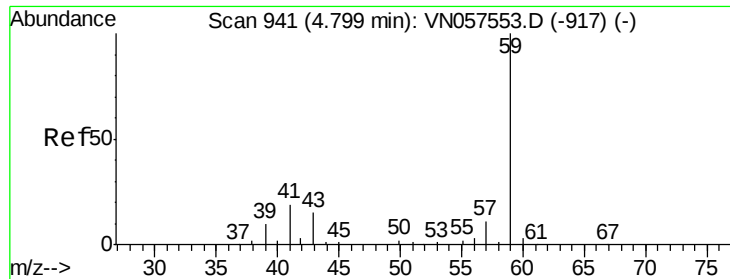
Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Tgt Ion:	142	Resp:	729184
Ion Ratio	Lower	Upper	
142	100		
127	41.9	37.8	56.8
141	13.7	11.9	17.9





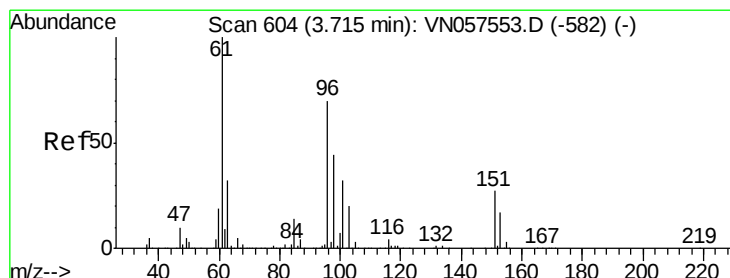
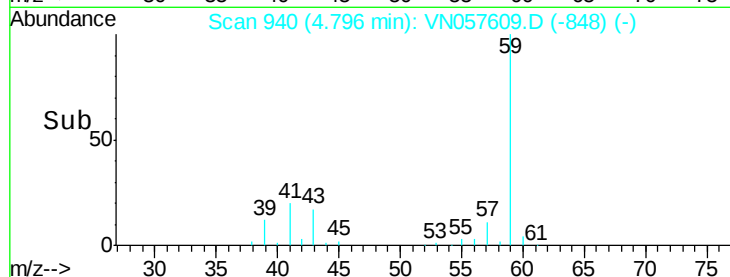
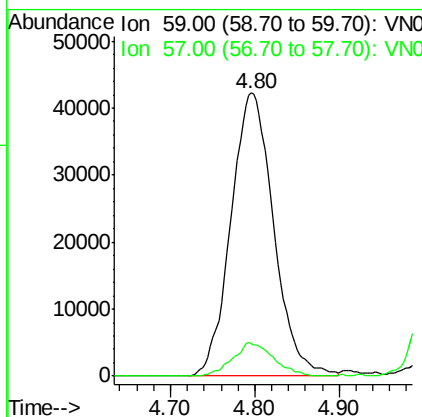
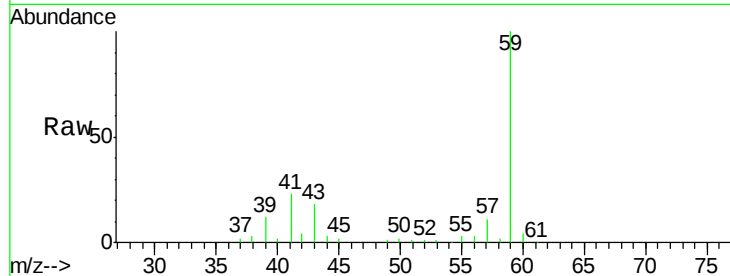
#11
Tert butyl alcohol
Concen: 213.498 ug/l
RT: 4.80 min Scan# 940
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 149098
Ion Ratio Lower Upper
59 100
57 11.3 9.1 13.7

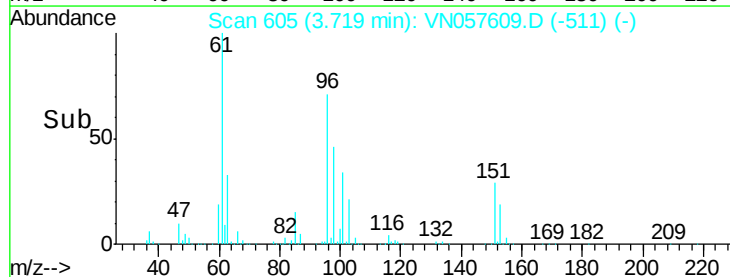
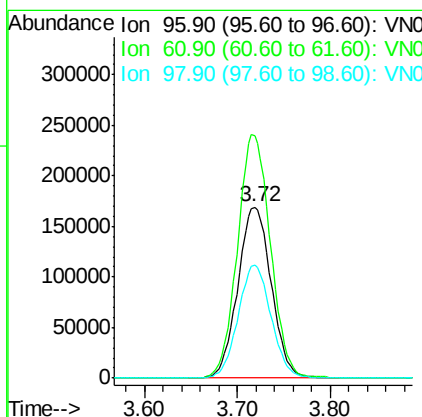
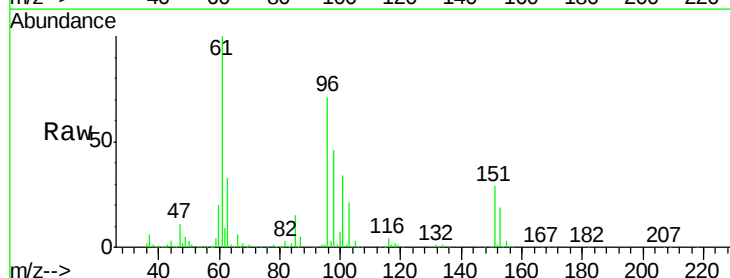
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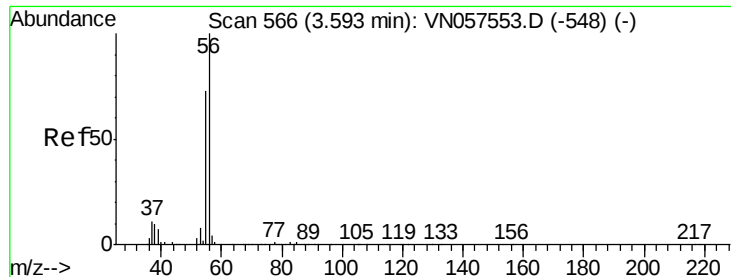
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.637 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion: 96 Resp: 423307
Ion Ratio Lower Upper
96 100
61 141.8 155.3 232.9#
98 65.8 50.2 75.2





#13

Acrolein

Concen: 228.144 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 136424

Ion Ratio Lower Upper

56 100

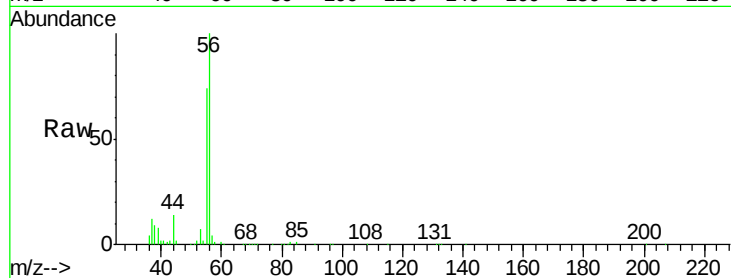
55 71.0 59.0 88.4

Manual Integrations

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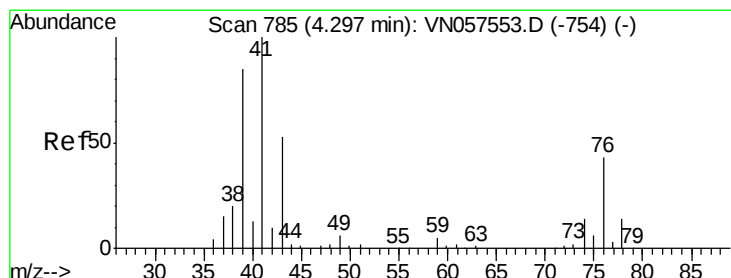
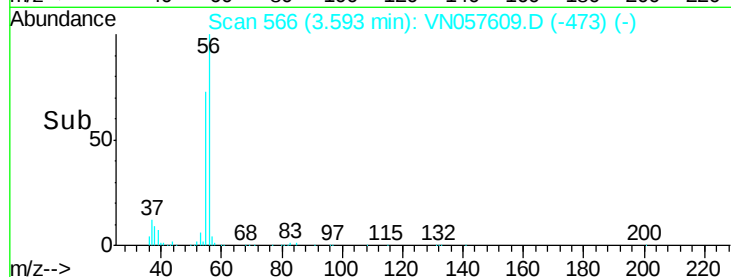
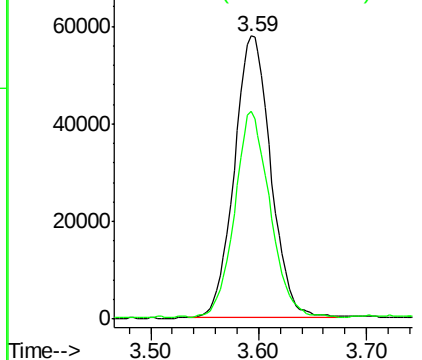
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.326 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

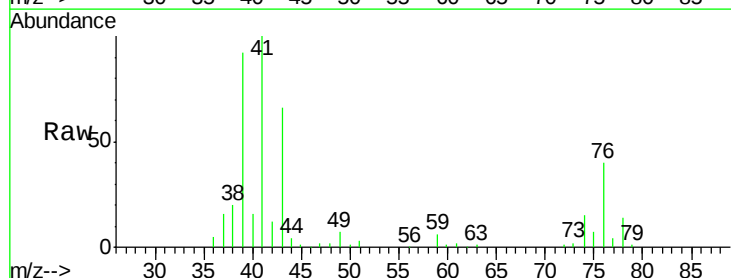
Tgt Ion: 41 Resp: 289977

Ion Ratio Lower Upper

41 100

39 84.3 57.4 86.2

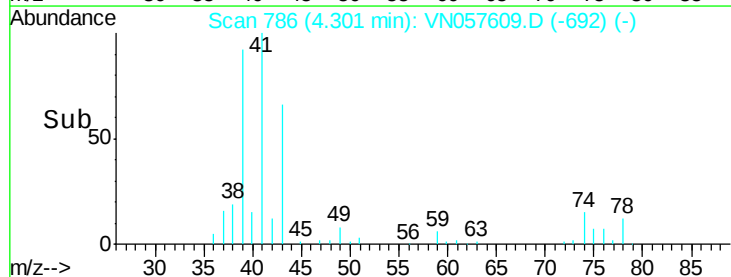
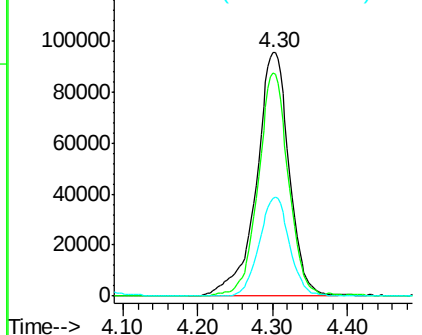
76 37.6 22.9 34.3#

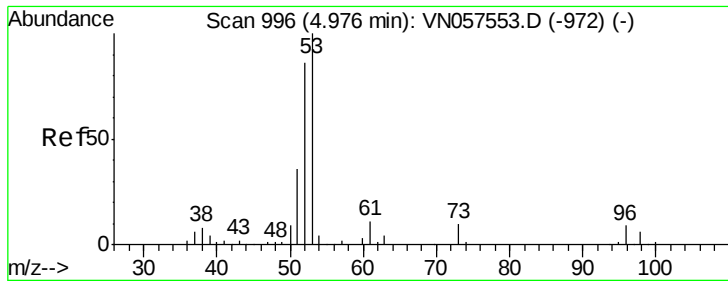


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 256.574 ug/l

RT: 4.98 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

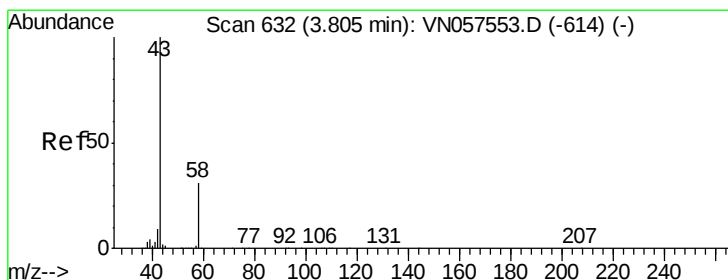
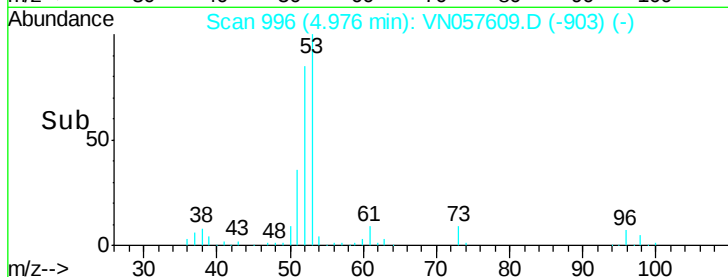
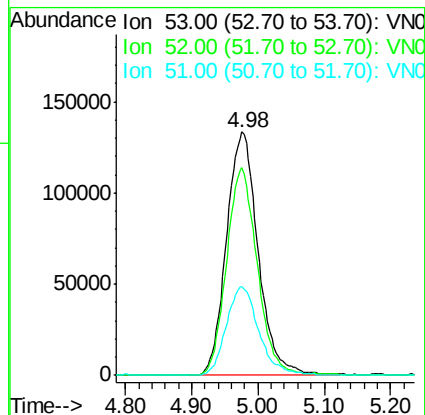
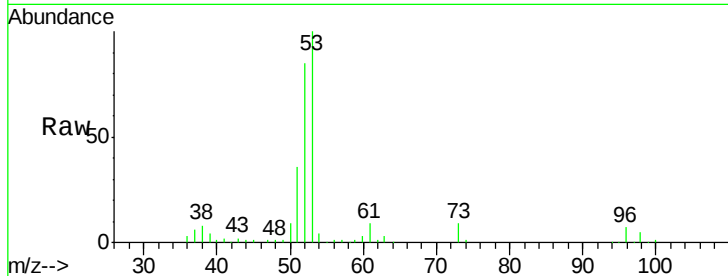
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	443648
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.0	100.6
51	37.5	29.9	44.9

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#16

Acetone

Concen: 212.521 ug/l

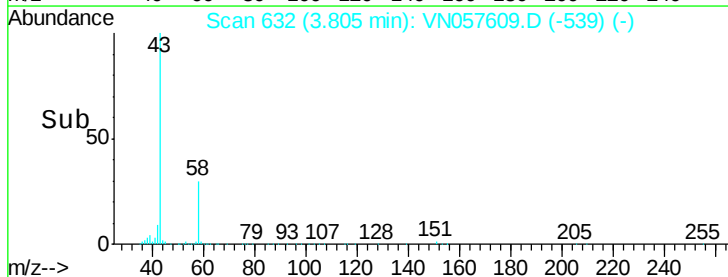
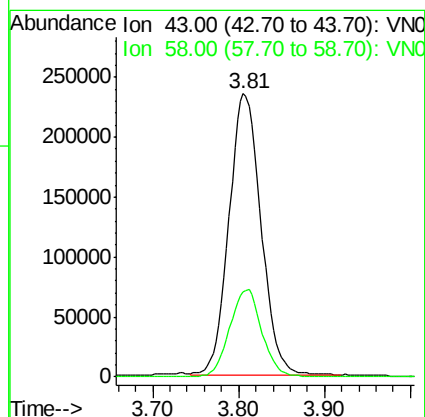
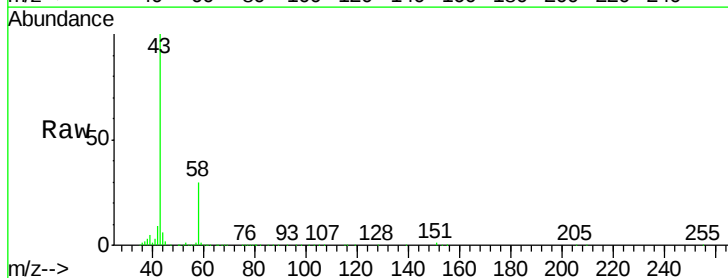
RT: 3.81 min Scan# 632

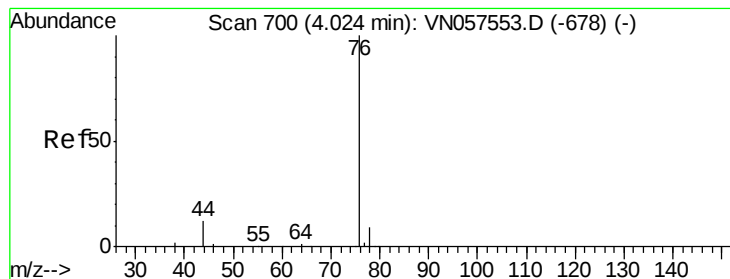
Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Tgt Ion:	43	Resp:	608349
Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.1	33.1





#17

Carbon Disulfide

Concen: 40.459 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.01 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 453416

Ion Ratio Lower Upper

76 100

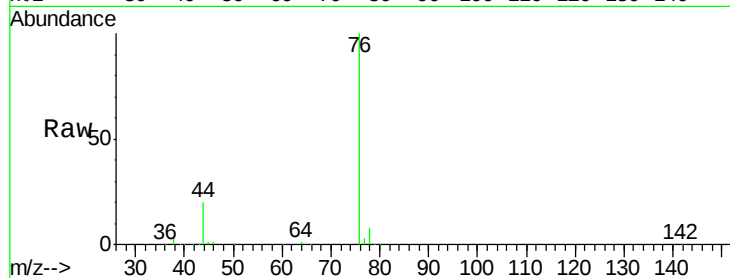
78 8.5 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

200000

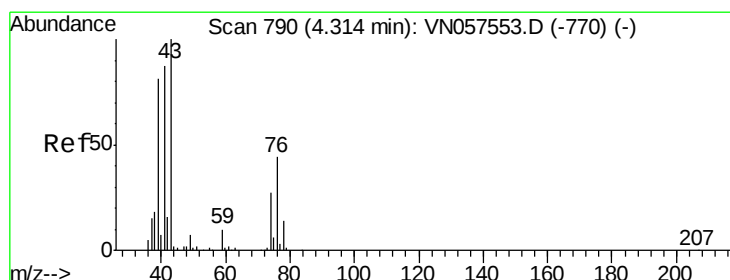
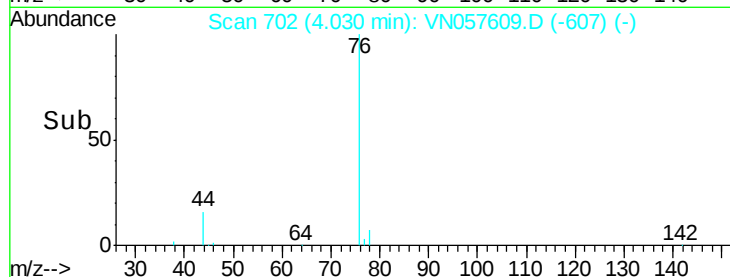
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 57.235 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057609.D

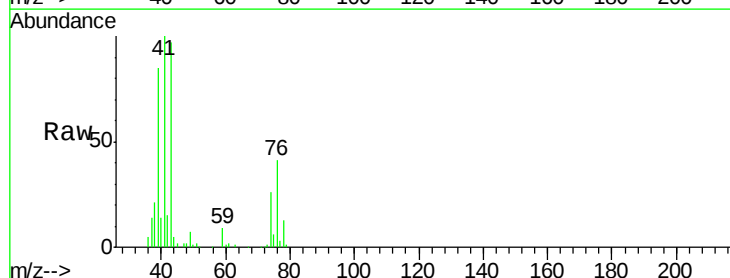
Acq: 31 Aug 2019 00:16

Tgt Ion: 43 Resp: 223786

Ion Ratio Lower Upper

43 100

74 25.3 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

80000

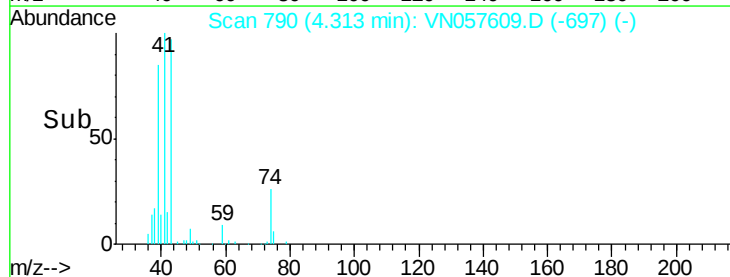
60000

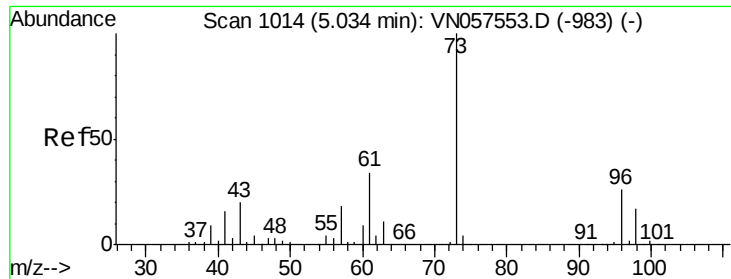
40000

20000

0

Time-->





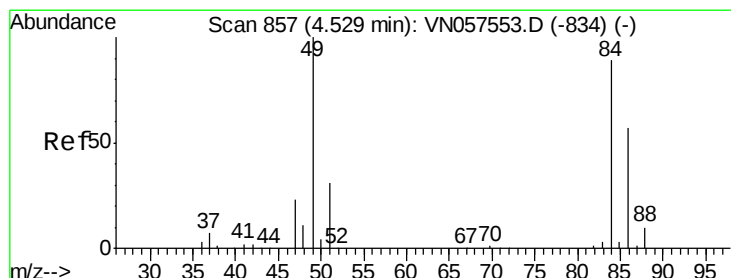
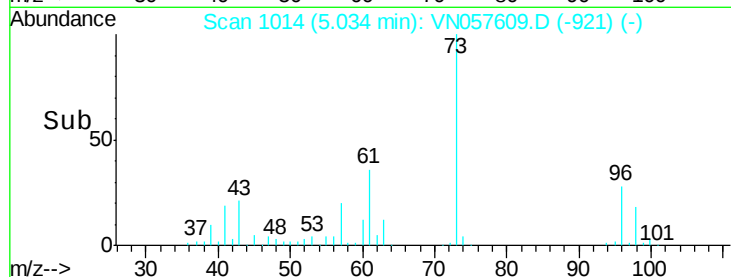
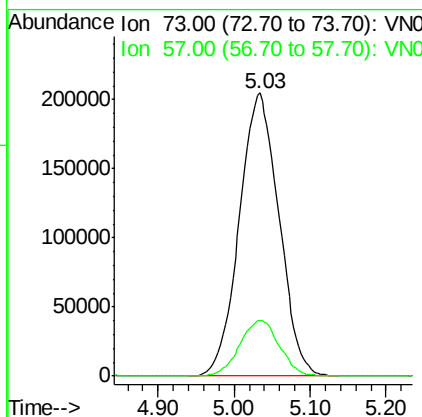
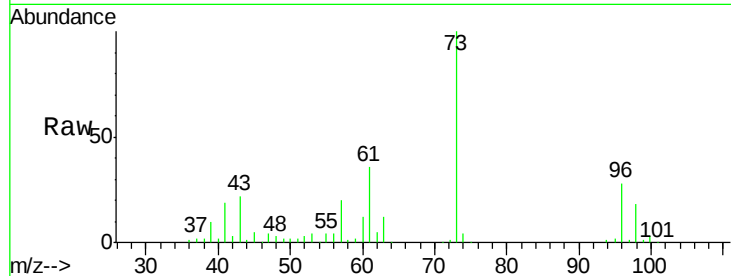
#19
Methvl tert-butvl Ether
Concen: 47.521 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 742085
Ion Ratio Lower Upper
73 100
57 19.6 19.1 28.7

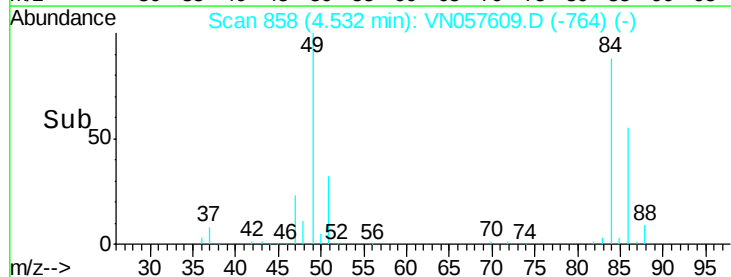
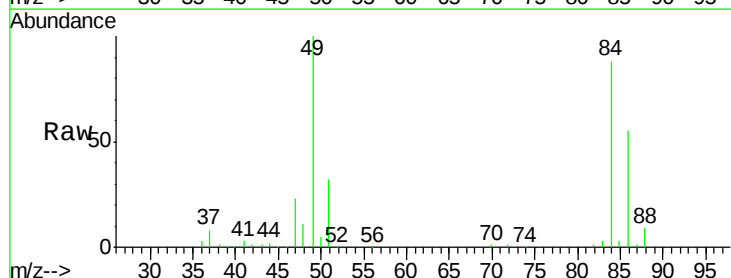
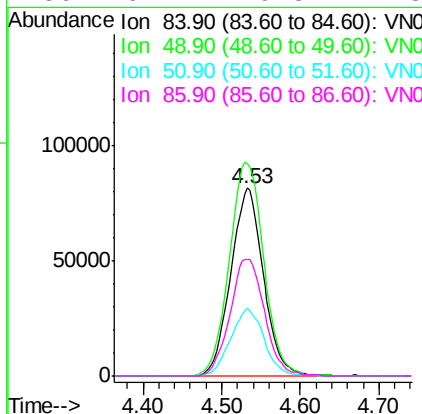
Manual Integrations
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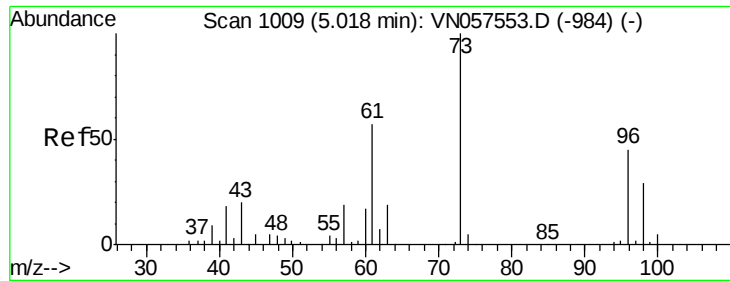
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#20
Methylene Chloride
Concen: 44.637 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion: 84 Resp: 236705
Ion Ratio Lower Upper
84 100
49 113.3 117.0 175.4#
51 36.1 35.5 53.3
86 62.2 49.8 74.8





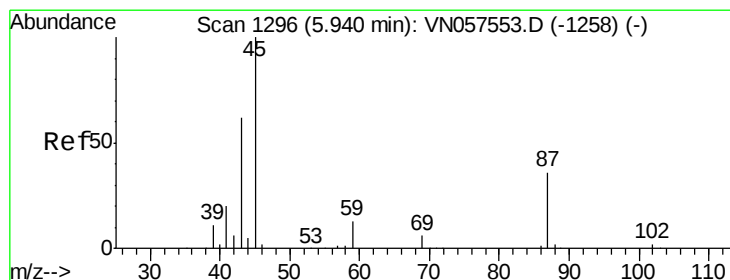
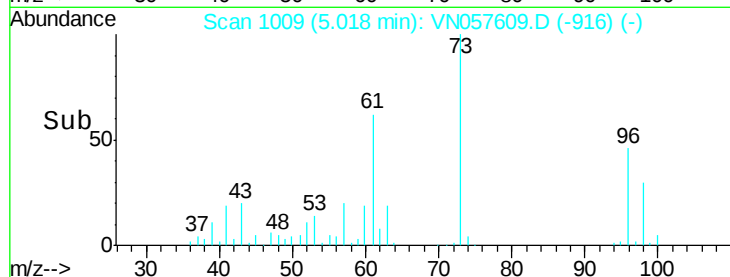
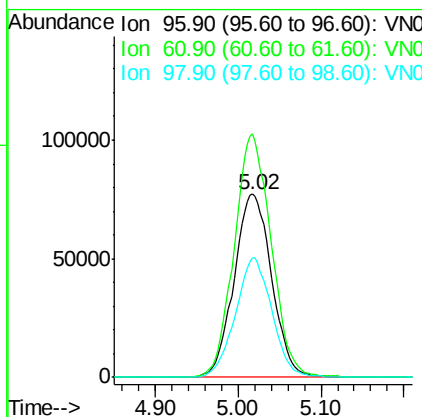
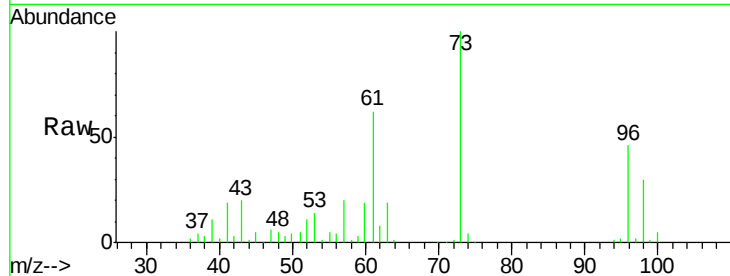
#21
trans-1,2-Dichloroethene
Concen: 47.375 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	127.9	191.9
98	65.0	50.6	76.0

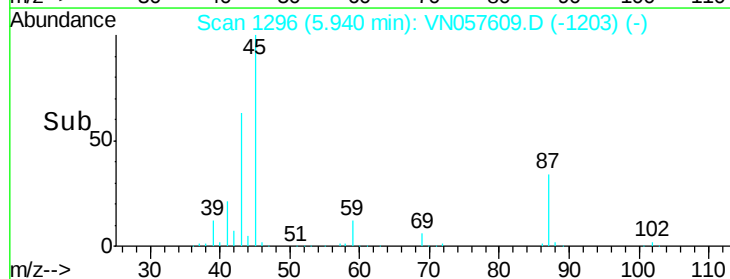
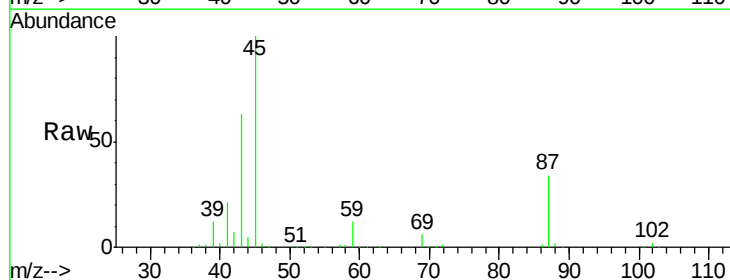
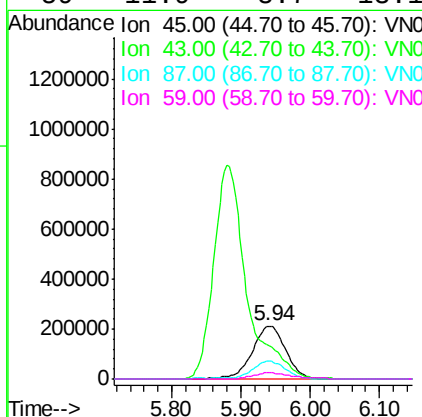
Manual Integrations
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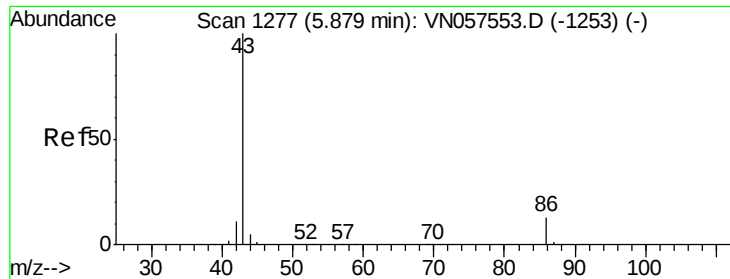
MMDadoda
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#22
Diisopropyl ether
Concen: 52.691 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	46.9	70.3
87	34.3	19.3	28.9
59	11.9	8.7	13.1





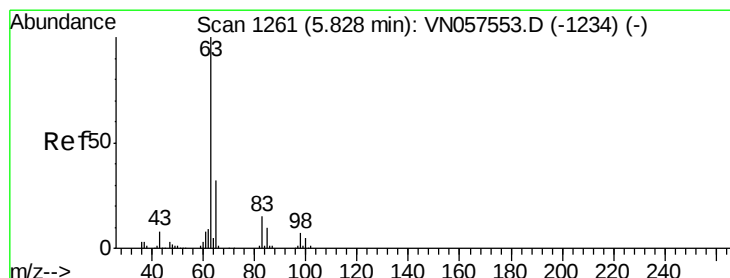
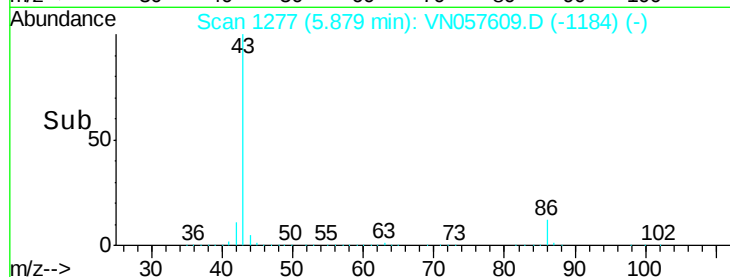
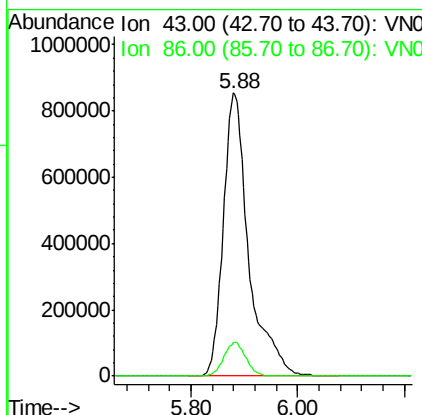
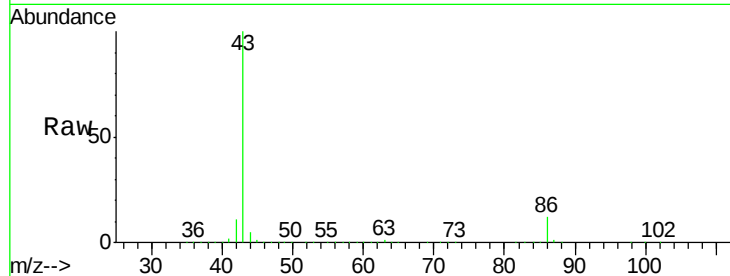
#23
 Vinyl Acetate
 Concen: 269.280 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2830467
 Ion Ratio Lower Upper
 43 100
 86 11.7 6.7 10.1#

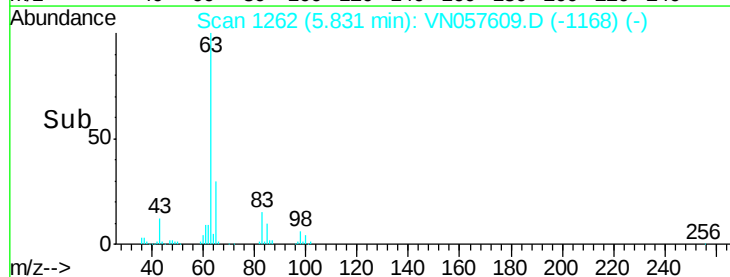
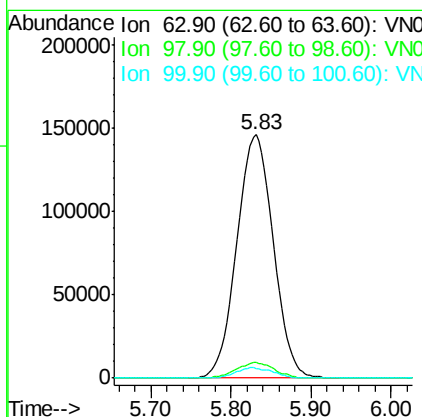
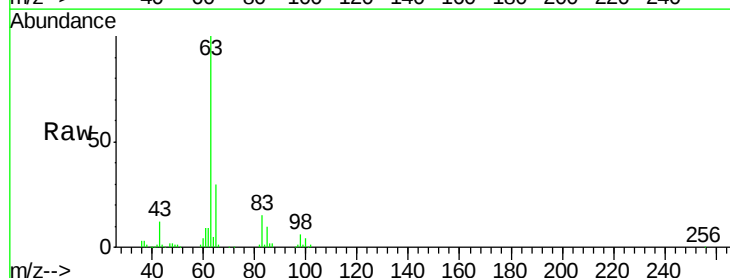
Manual Integrations
 APPROVED

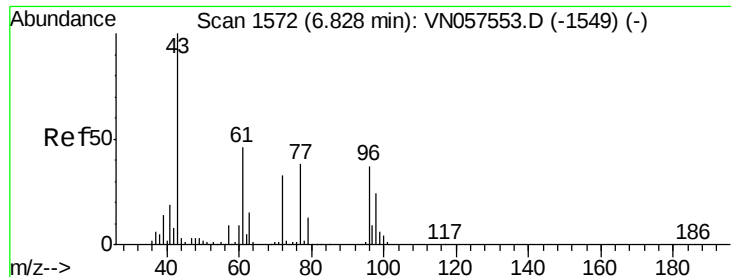
MMDadoda
 8/31/2019 11:28:58 AM



#24
 1,1-Dichloroethane
 Concen: 50.970 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion: 63 Resp: 451457
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 4.1 2.1 6.3





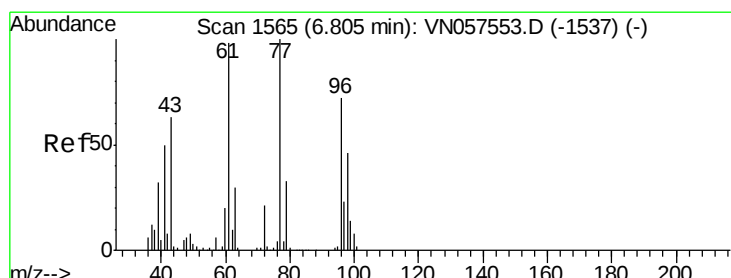
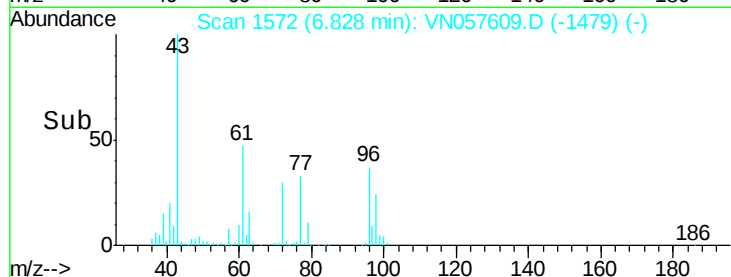
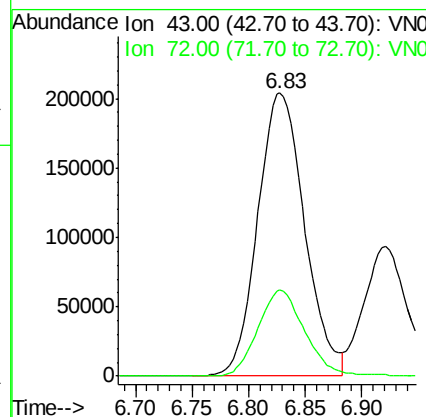
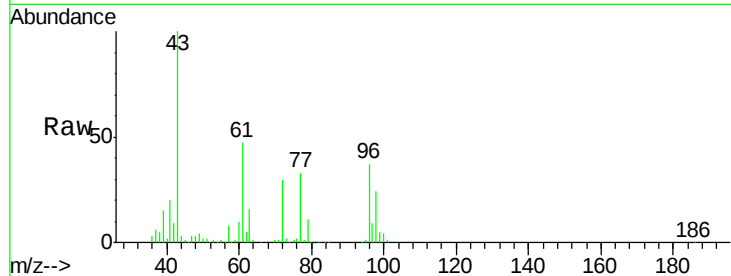
#25
 2-Butanone
 Concen: 258.254 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 583517
 Ion Ratio Lower Upper
 43 100
 72 30.4 17.8 26.8#

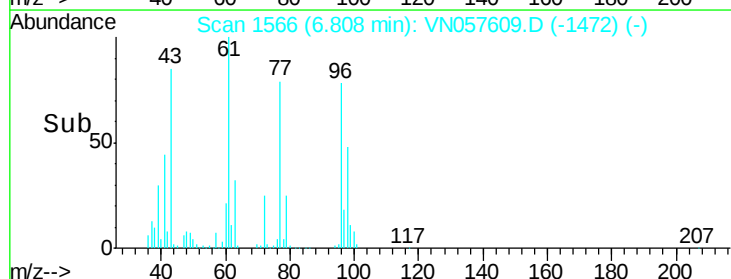
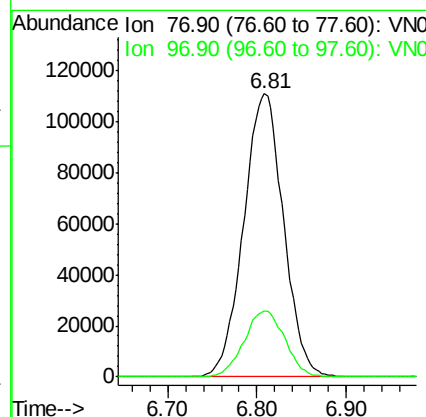
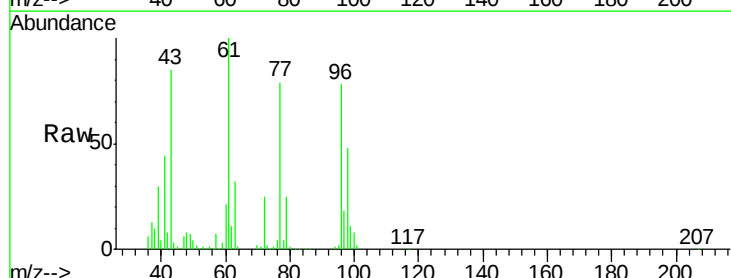
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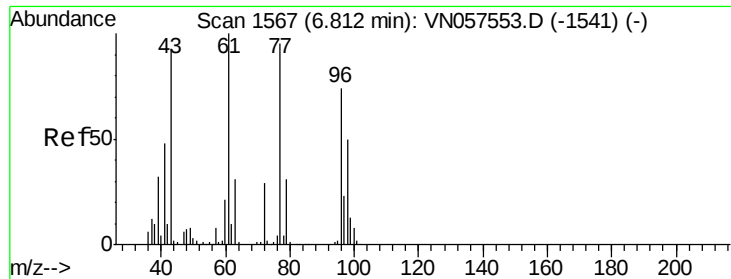
MMDadoda
 8/31/2019 11:28:58 AM



#26
 2,2-Dichloropropane
 Concen: 38.118 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion: 77 Resp: 344717
 Ion Ratio Lower Upper
 77 100
 97 23.8 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 49.815 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

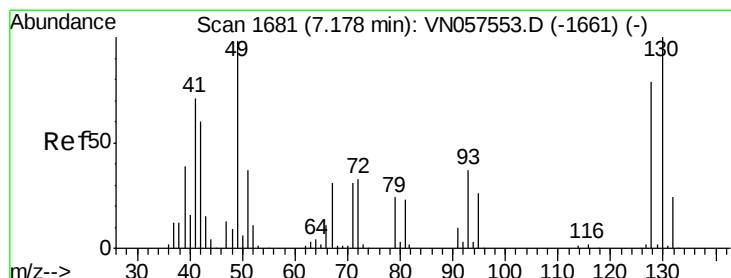
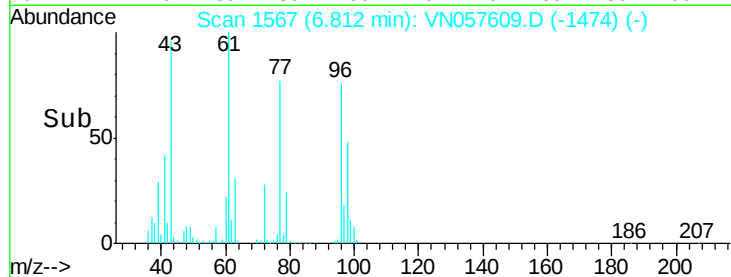
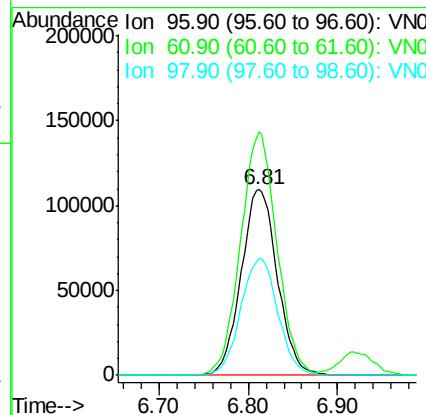
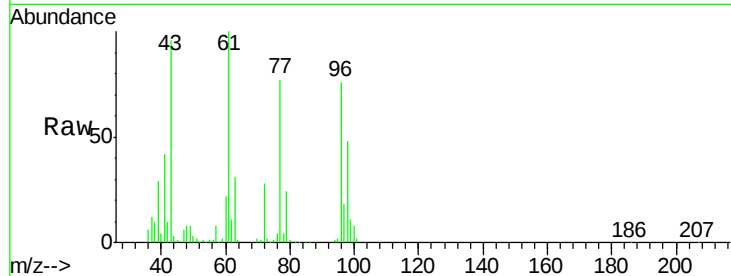
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	309378
Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	334.8
98	64.5	0.0	127.4

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#28

Bromochloromethane

Concen: 57.911 ug/l

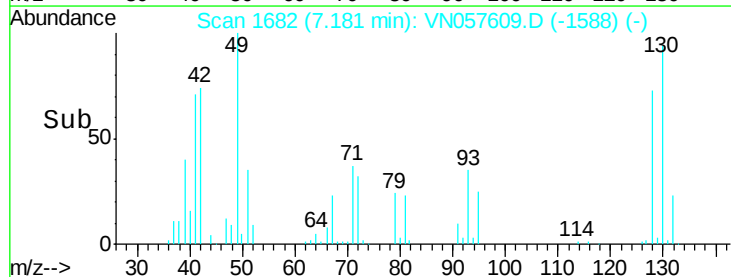
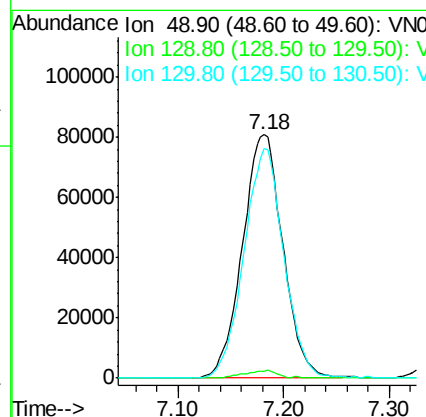
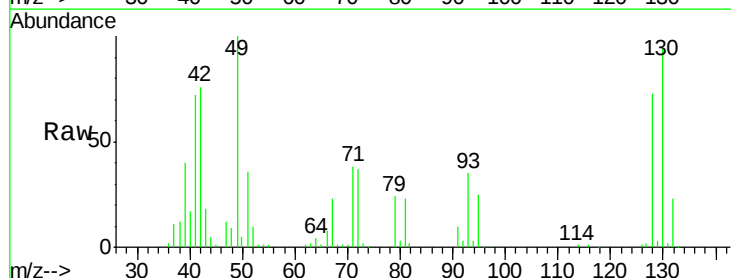
RT: 7.18 min Scan# 1682

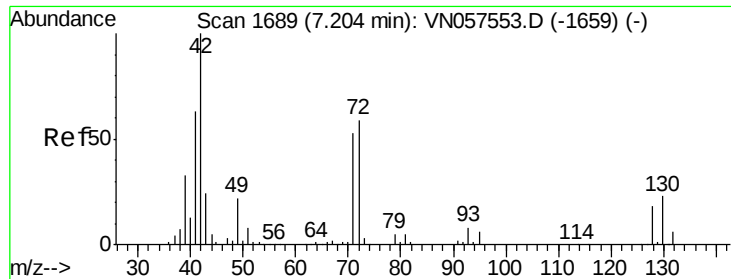
Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Tgt Ion:	49	Resp:	215618
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.6
130	92.9	48.6	72.8#





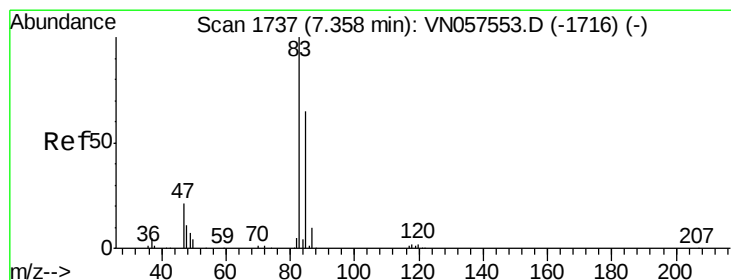
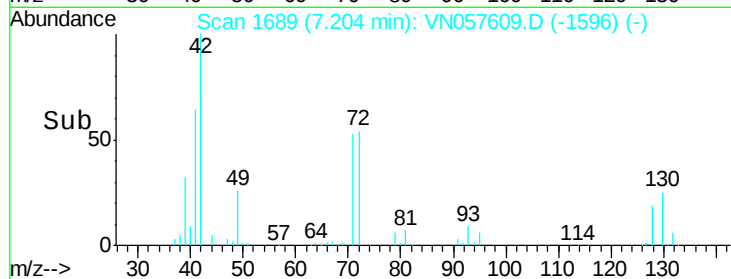
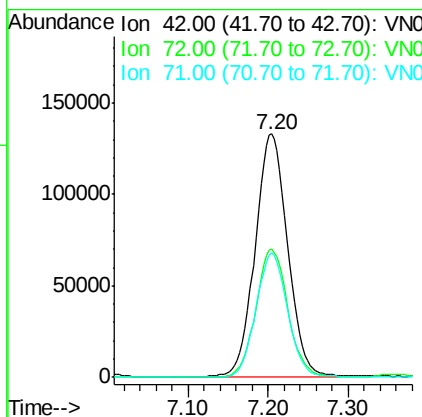
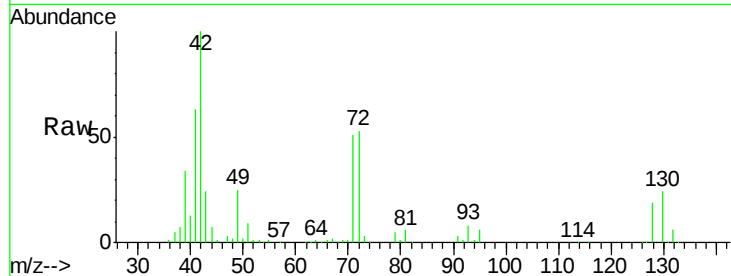
#29
Tetrahydrofuran
Concen: 262.276 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.5	30.1	45.1#
71	50.0	28.8	43.2#

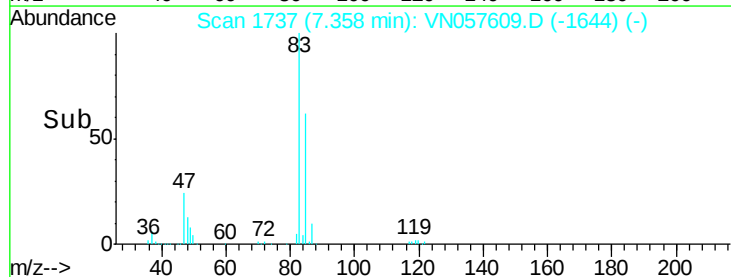
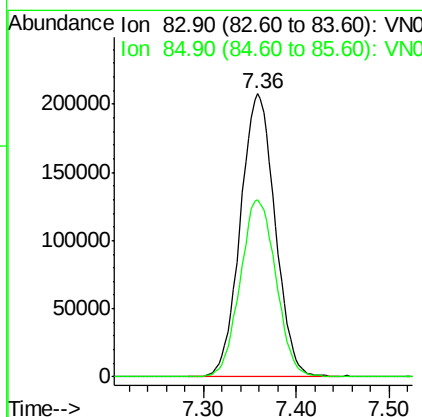
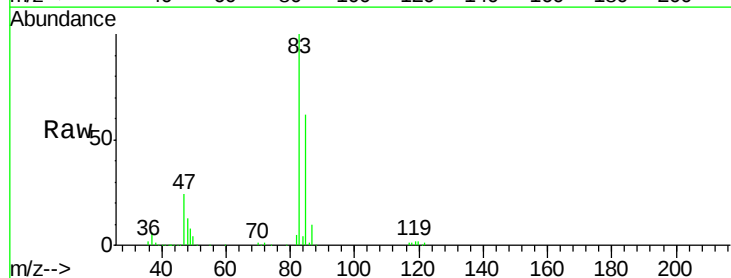
Manual Integrations
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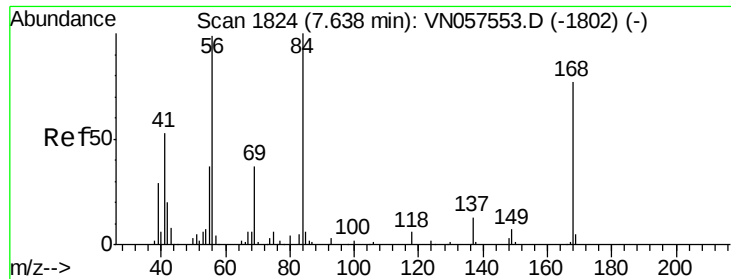
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#30
Chloroform
Concen: 48.972 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.9	77.9





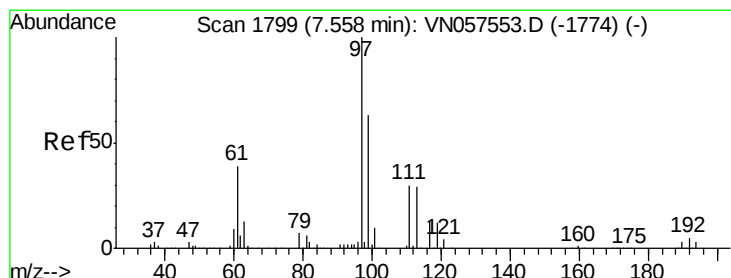
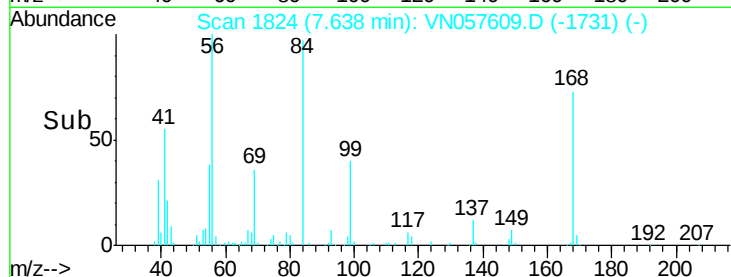
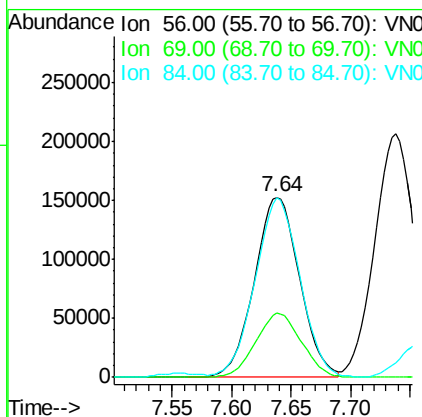
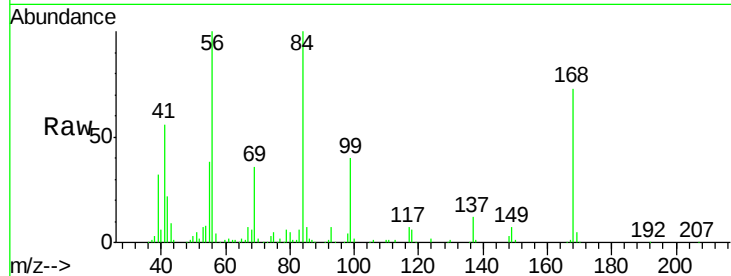
#31
Cyclohexane
Concen: 48.774 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.0	37.6
84	97.9	62.5	93.7

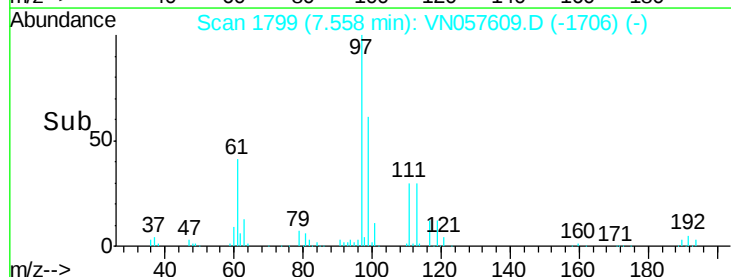
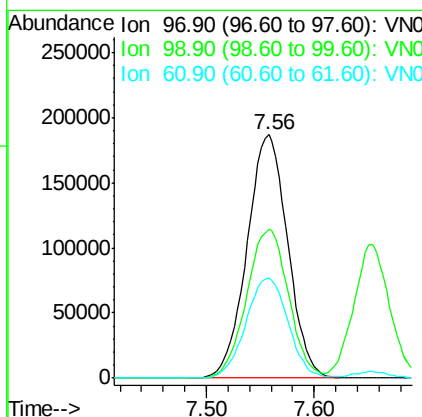
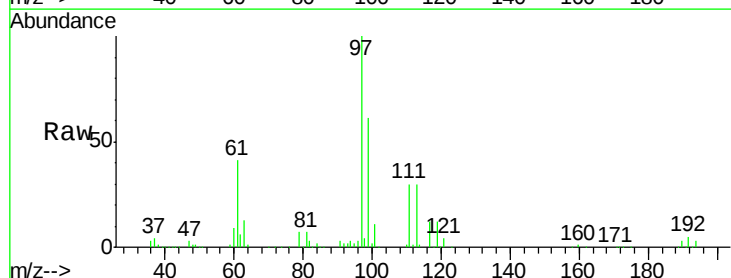
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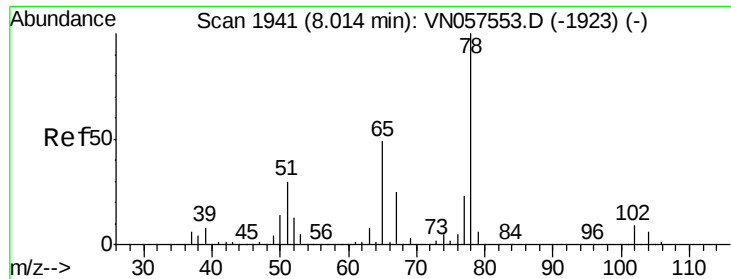
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#32
1,1,1-Trichloroethane
Concen: 49.955 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	42.9	39.8	59.6





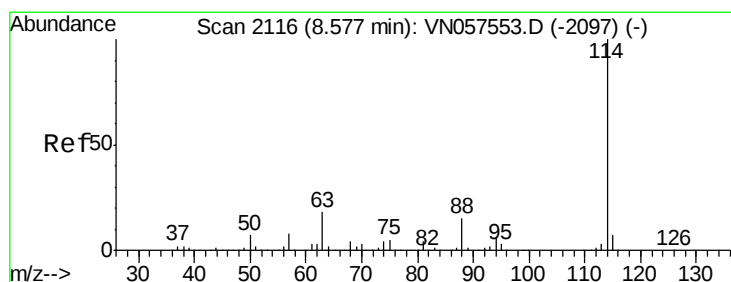
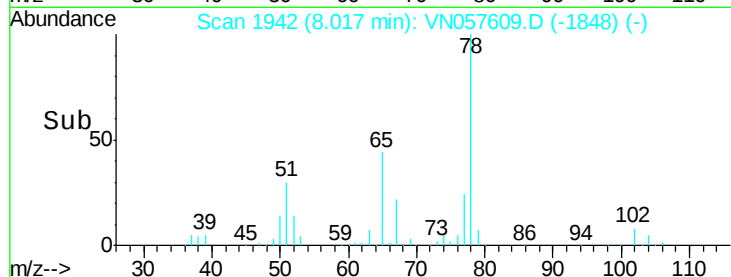
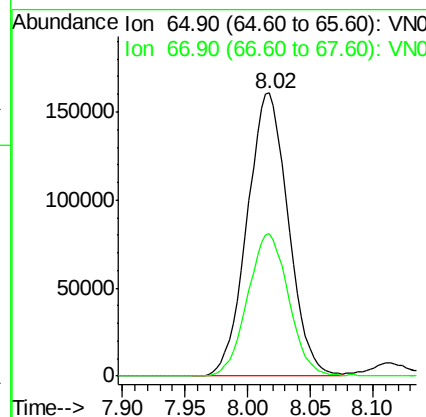
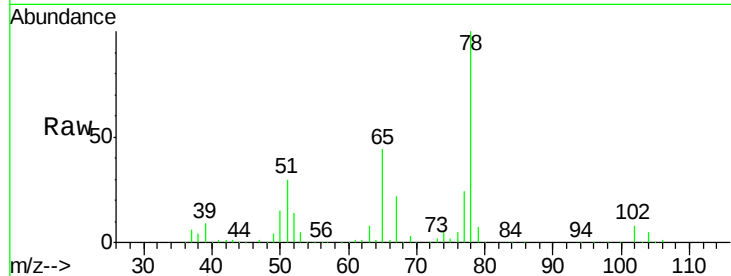
#33
 1,2-Dichloroethane-d4
 Concen: 51.819 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	366961		
67	50.0	0.0	103.8	

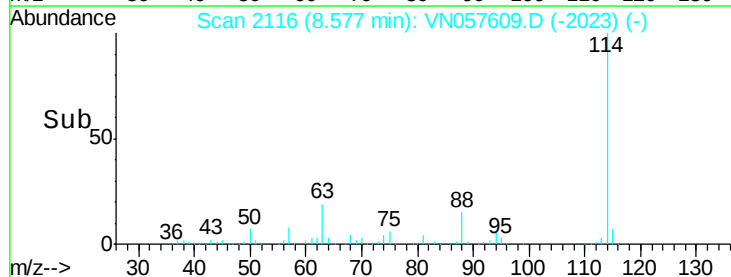
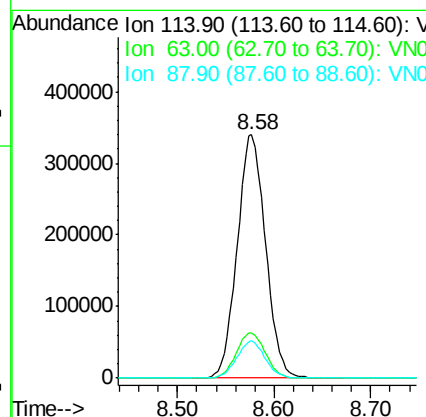
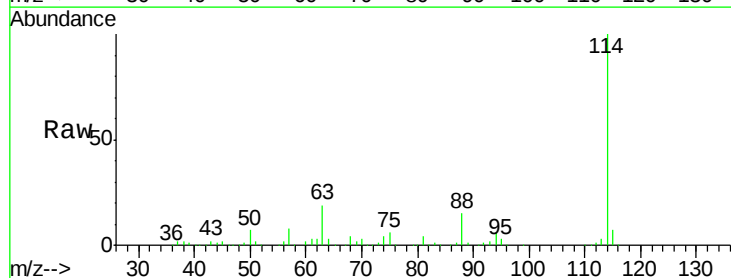
Manual Integrations
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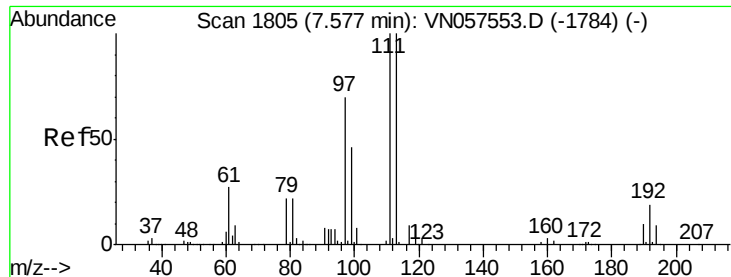
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 8/31/2019 11:28:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	692826		
63	18.6	0.0	50.2	
88	15.2	0.0	34.6	





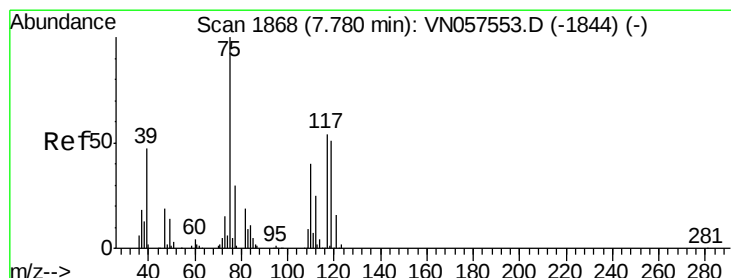
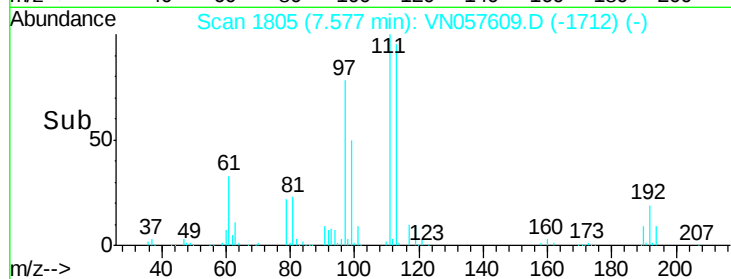
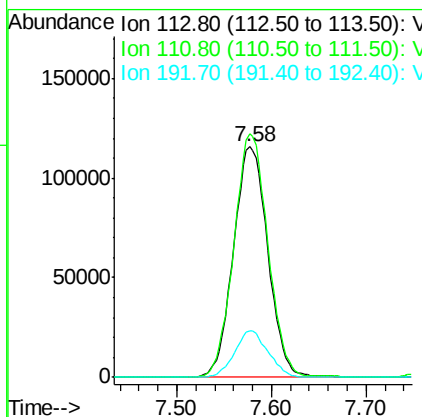
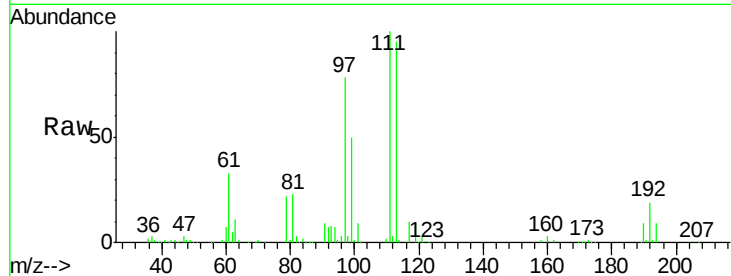
#35
 Dibromofluoromethane
 Concen: 47.451 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	293840		
111	103.7	83.8	125.6	
192	19.5	13.5	20.3	

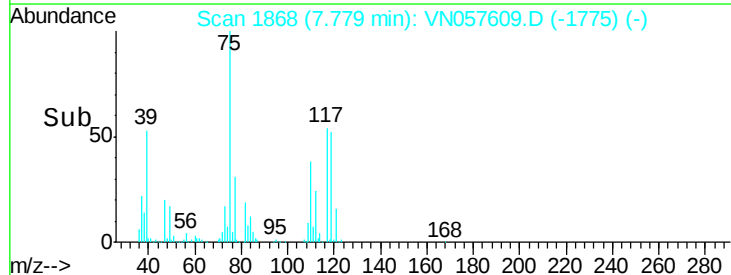
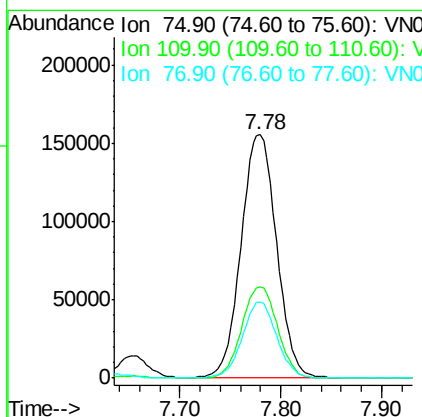
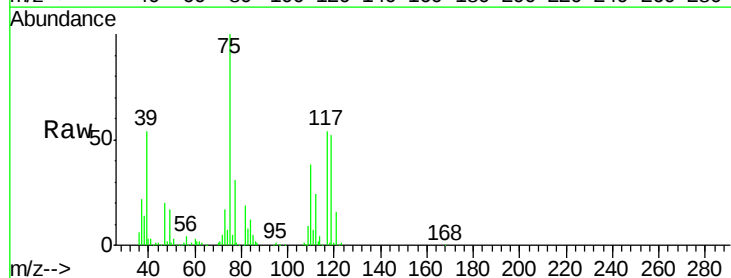
Manual Integrations
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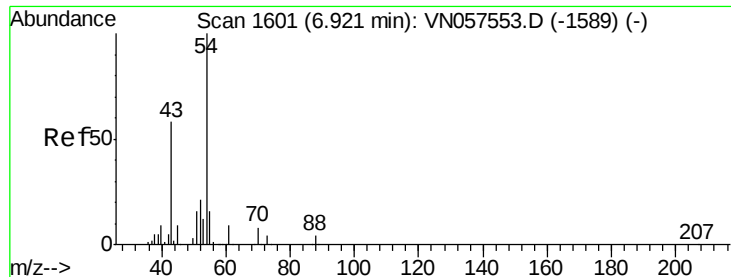
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 8/31/2019 11:28:58 AM



#36
 1,1-Dichloropropene
 Concen: 50.448 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	378089		
110	37.9	16.1	48.3	
77	30.8	24.8	37.2	





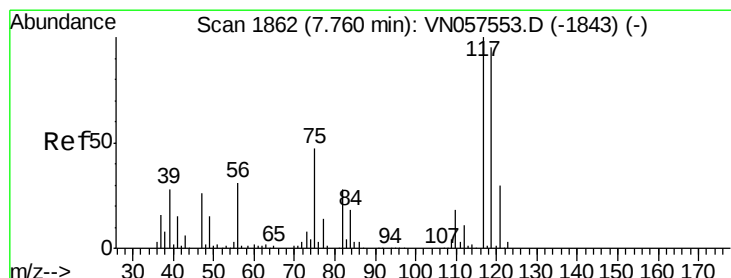
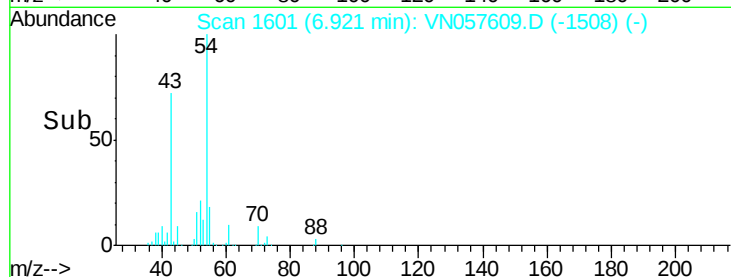
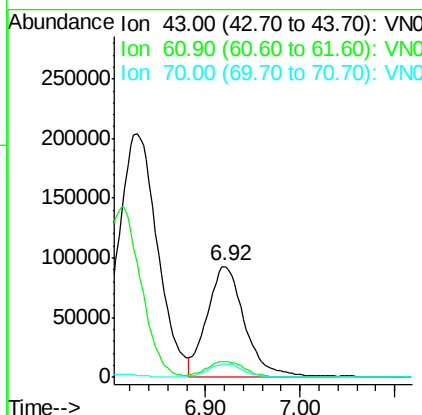
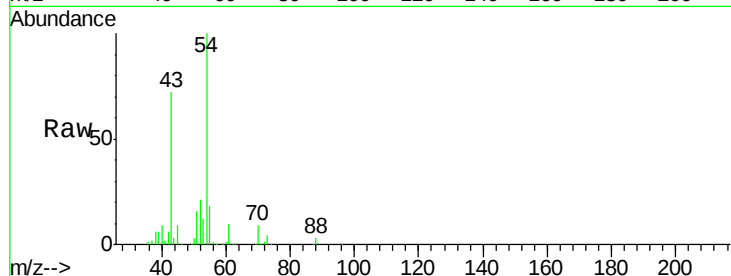
#37
Ethyl Acetate
Concen: 51.051 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.1	9.9	14.9	
70	11.9	7.0	10.6	

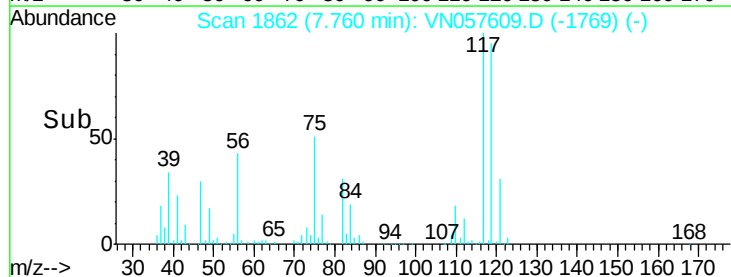
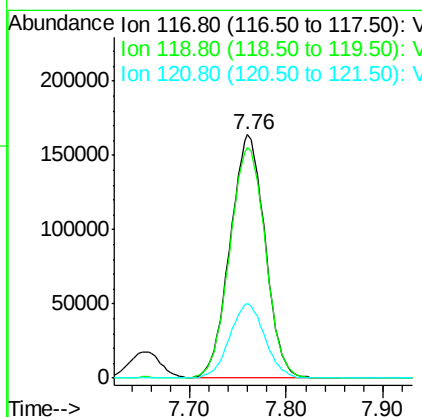
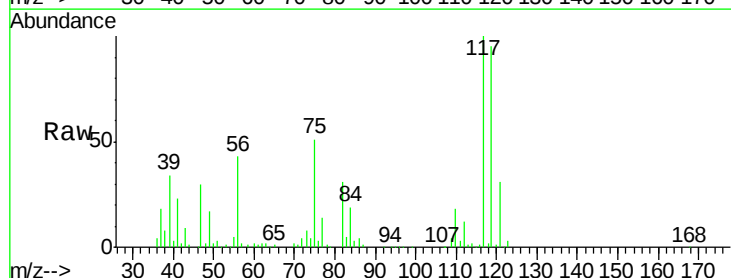
Manual Integrations
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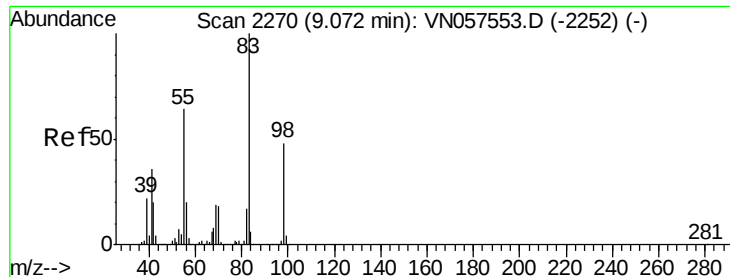
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#38
Carbon Tetrachloride
Concen: 46.950 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	76.2	114.4	
121	30.5	23.8	35.6	





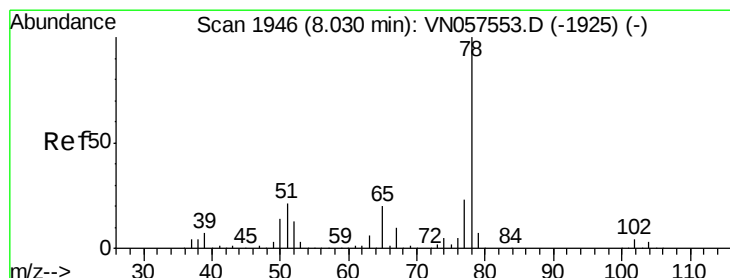
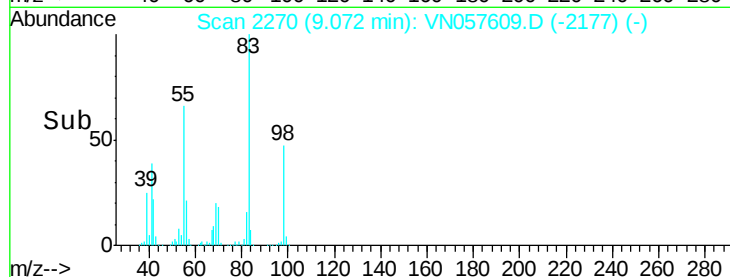
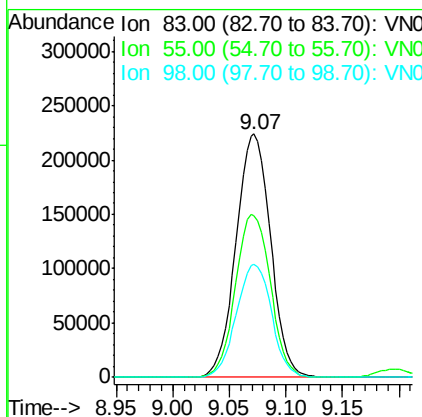
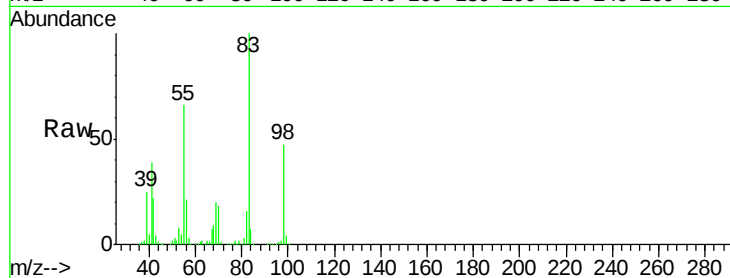
#39
Methvlcvclohexane
Concen: 50.104 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.5	68.6	102.8#
98	46.7	36.6	54.8

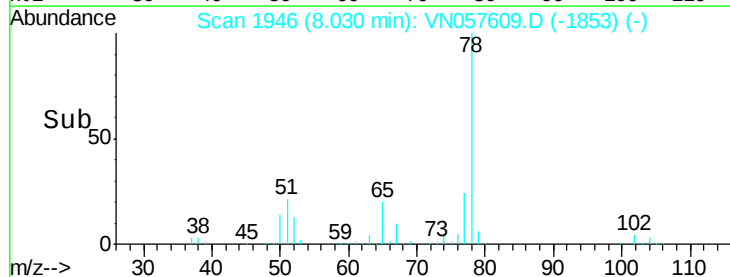
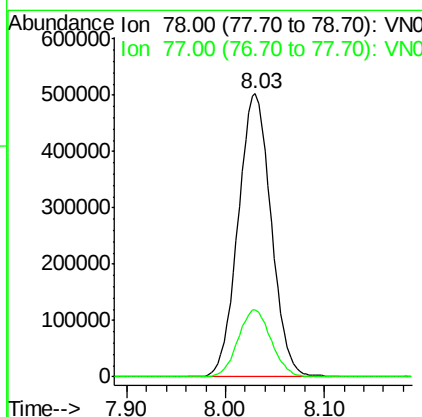
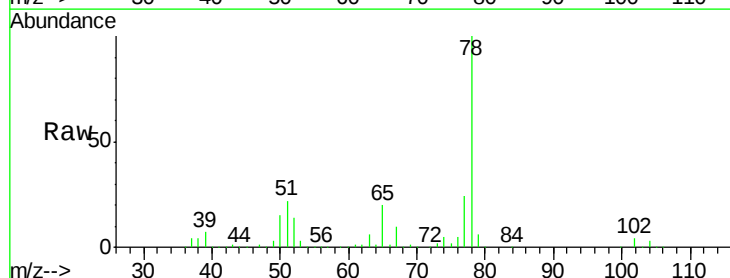
Manual Integrations
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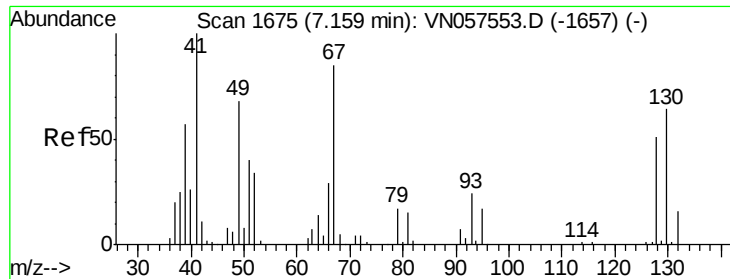
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#40
Benzene
Concen: 50.845 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7





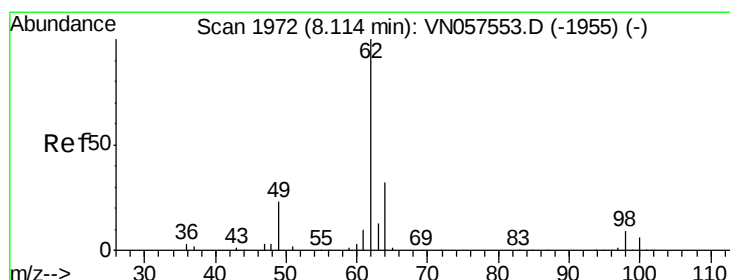
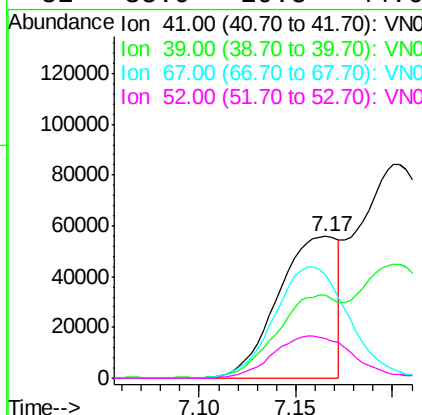
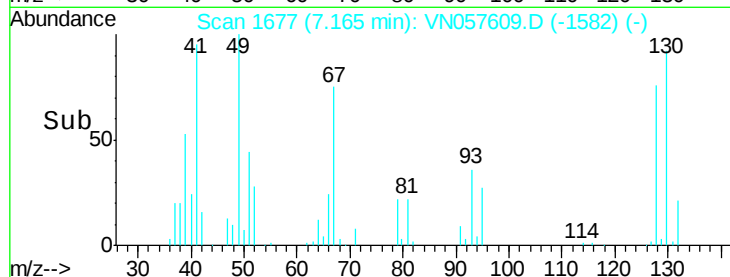
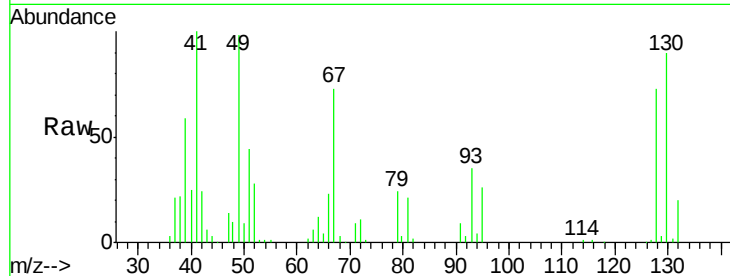
#41
Methacrylonitrile
Concen: 52.711 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	119917
Ion Ratio	Lower	Upper	
41	100		
39	58.1	53.6	80.4
67	98.6	65.4	98.2#
52	38.9	29.8	44.6

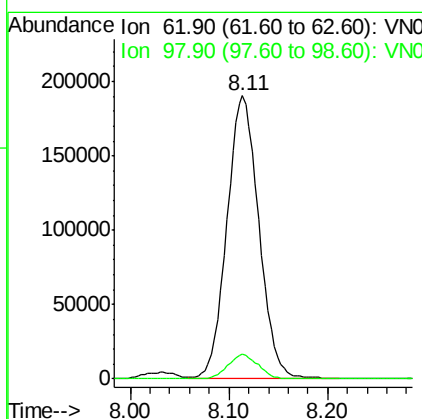
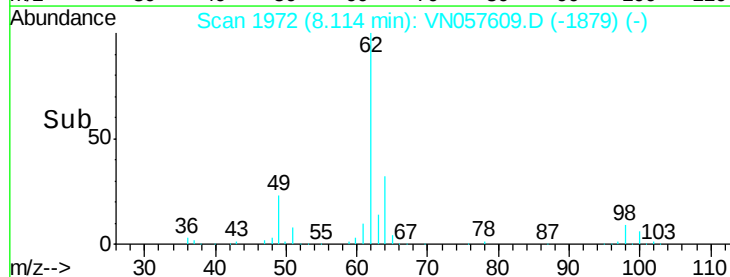
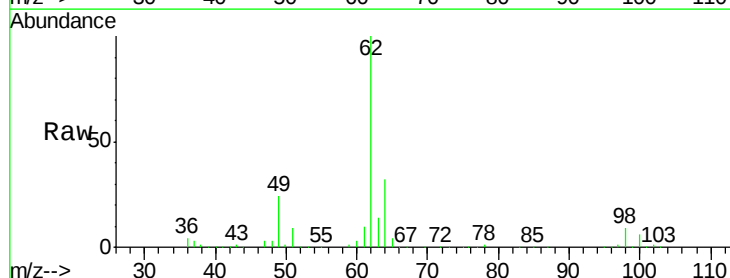
Manual Integrations
APPROVED

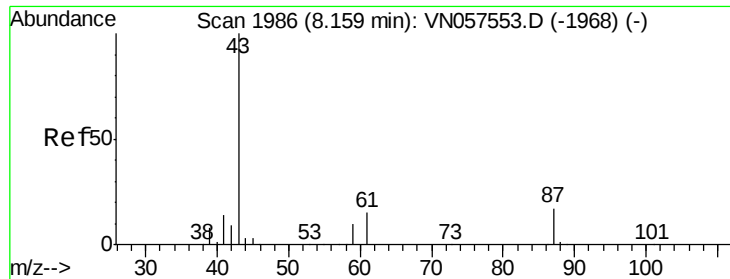
MMDadoda
8/31/2019 11:28:58 AM



#42
1,2-Dichloroethane
Concen: 52.557 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	62	Resp	429356
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	15.4





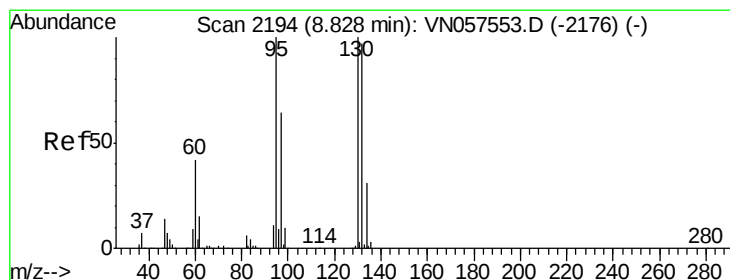
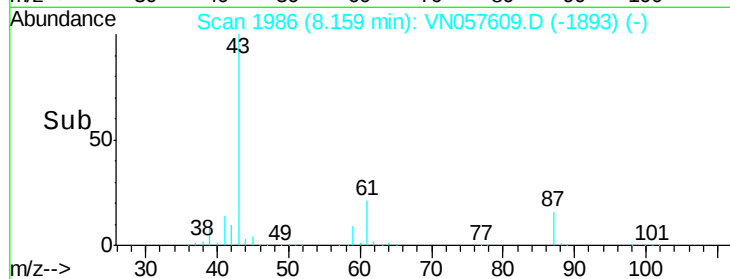
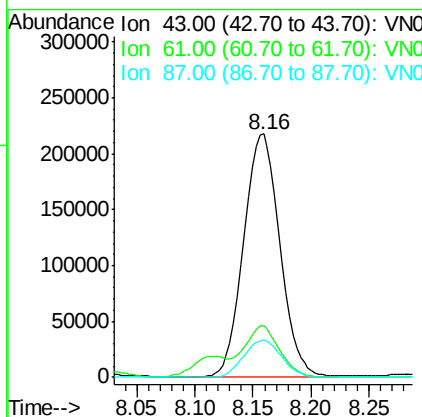
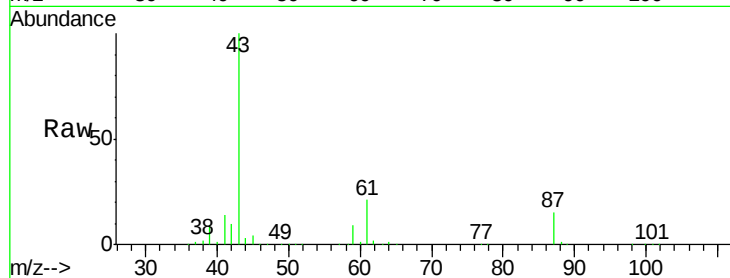
#43
Isopropyl Acetate
Concen: 51.259 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	14.5	21.7
87	15.9	8.6	12.8

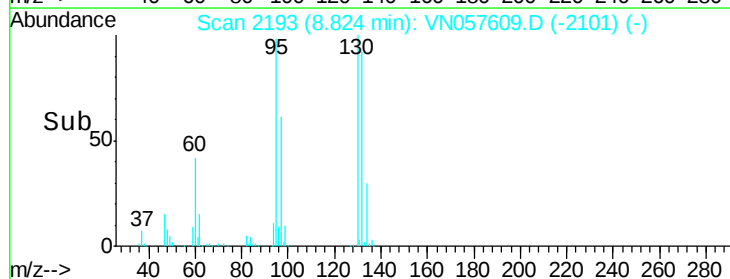
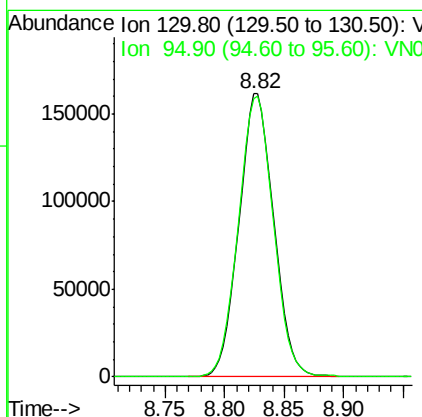
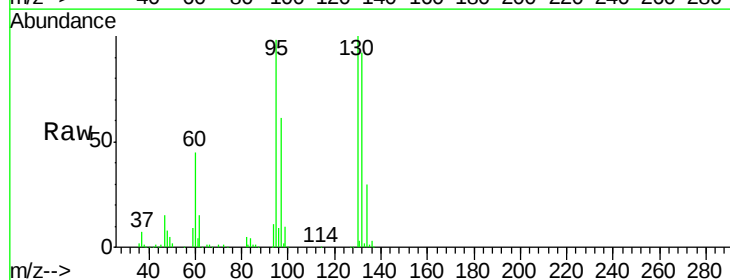
Manual Integrations
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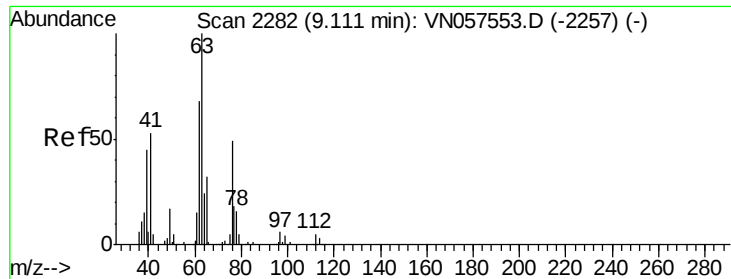
MMDadoda
8/31/2019 11:28:58 AM



#44
Trichloroethene
Concen: 51.694 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	231.6





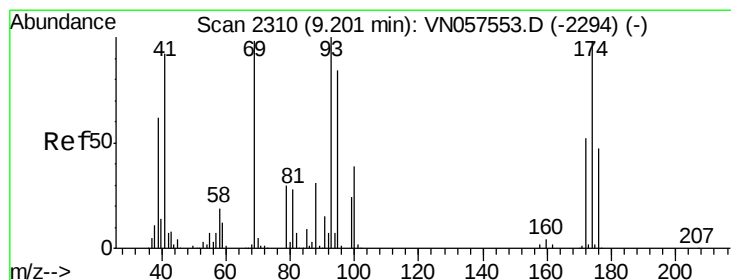
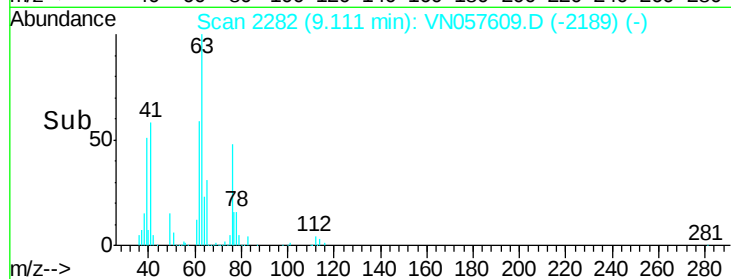
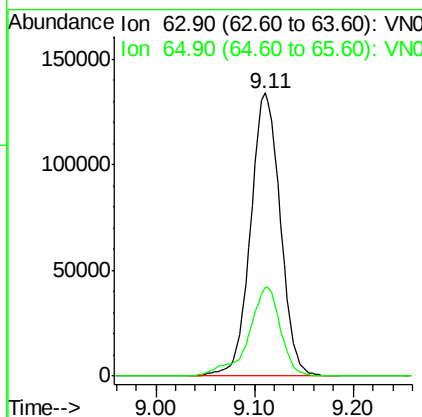
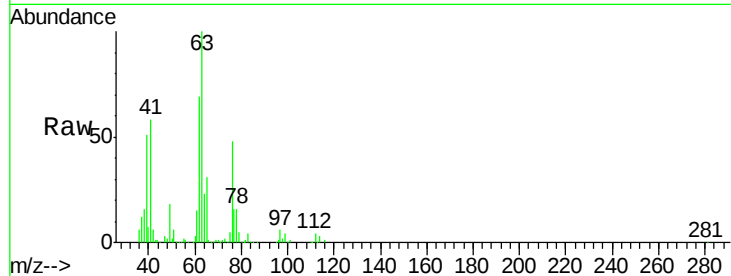
#45
 1,2-Dichloropropane
 Concen: 51.762 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 277616
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

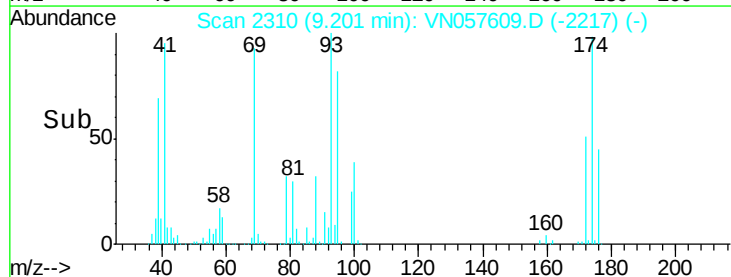
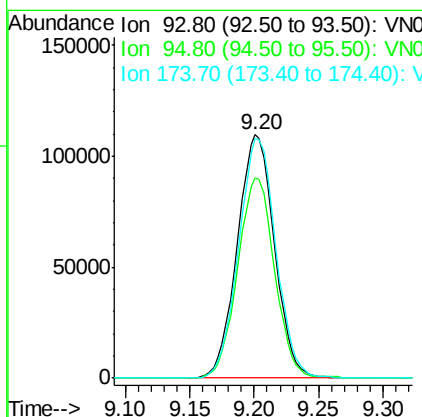
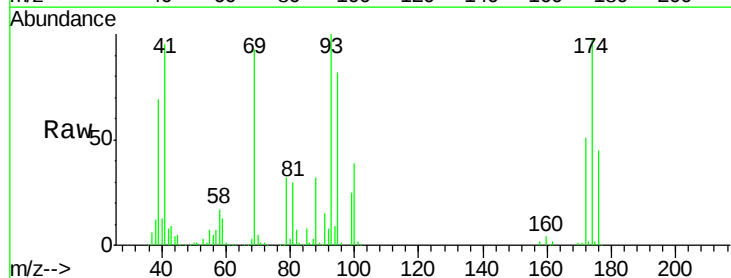
Manual Integrations
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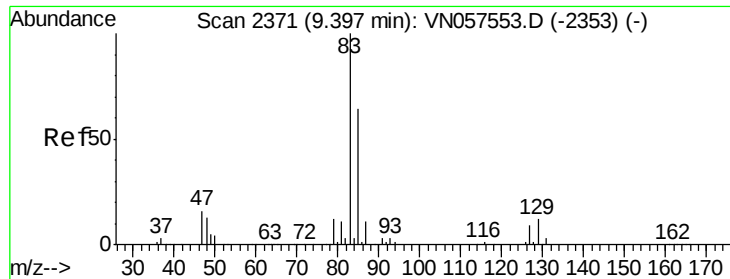
MMDadoda
 8/31/2019 11:28:58 AM



#46
 Dibromomethane
 Concen: 52.263 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion: 93 Resp: 219802
 Ion Ratio Lower Upper
 93 100
 95 81.6 64.7 97.1
 174 99.1 62.3 93.5#





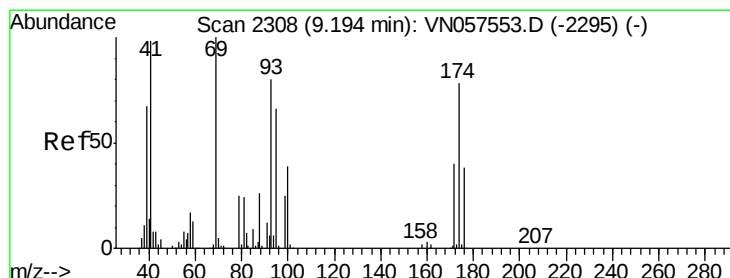
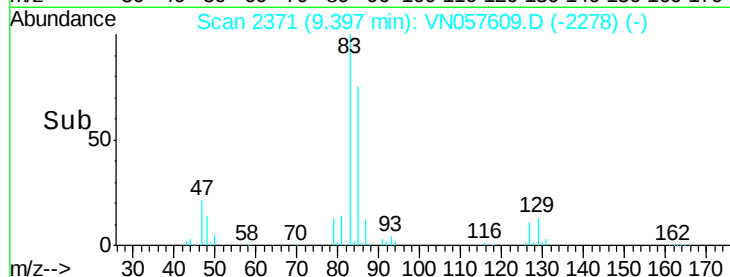
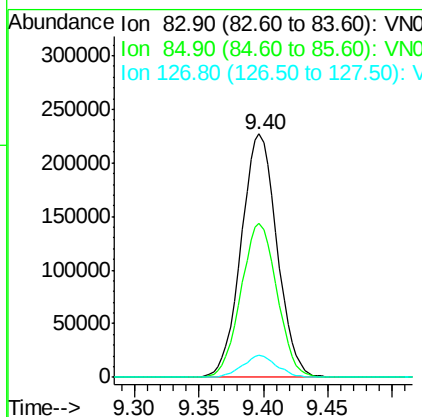
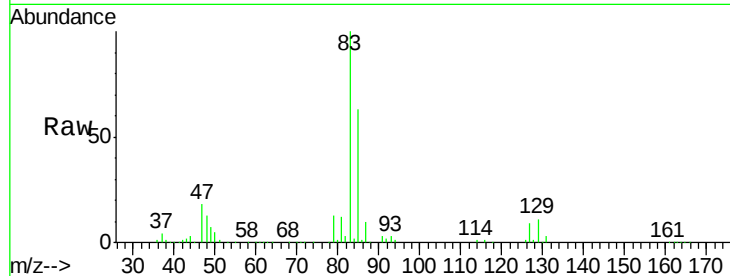
#47
Bromodichloromethane
Concen: 50.676 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	439390		
85	63.3	51.2	76.8	
127	9.0	6.6	10.0	

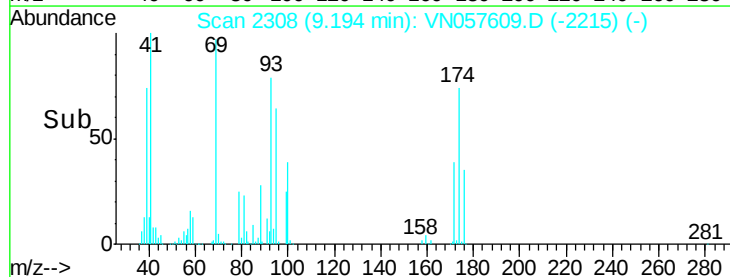
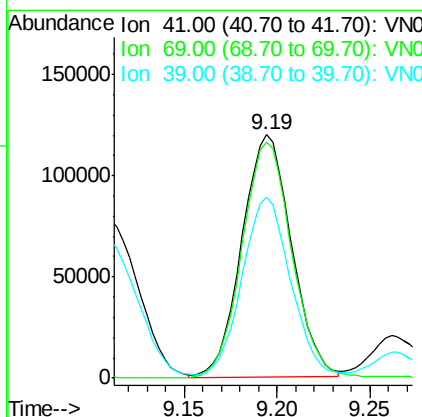
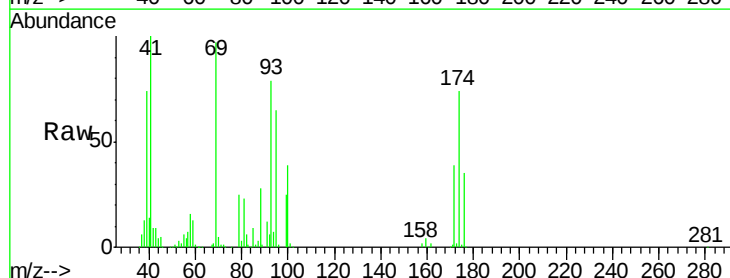
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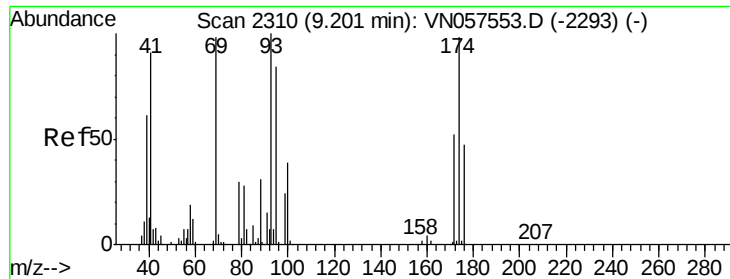
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8/31/2019 11:28:58 AM



#48
Methyl methacrylate
Concen: 51.140 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	223865		
69	98.0	59.3	88.9#	
39	73.3	50.6	75.8	





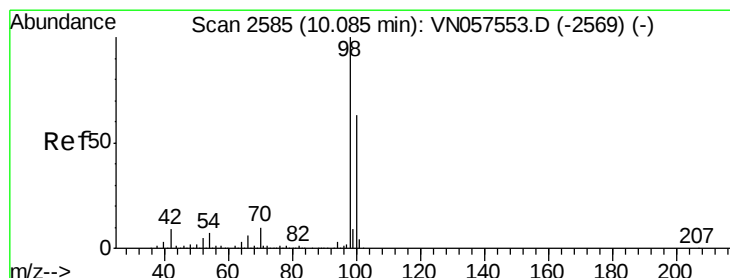
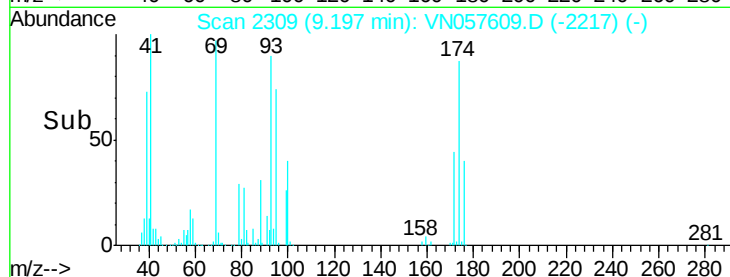
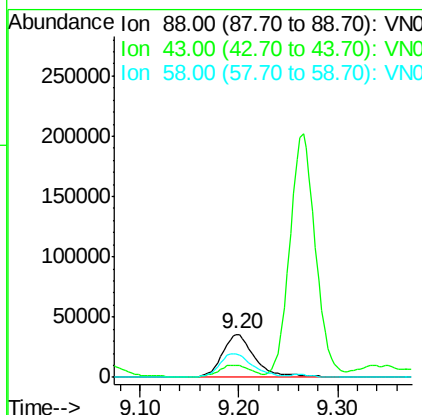
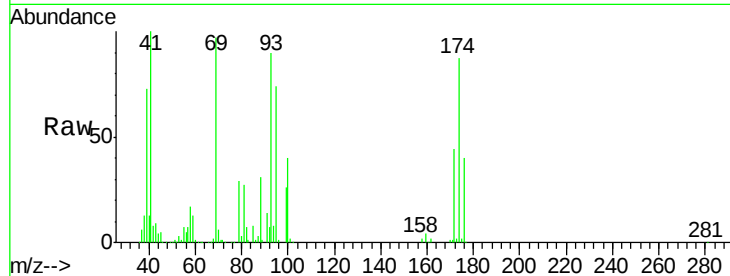
#49
1,4-Dioxane
Concen: 1037.943 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	82917
Ion	Ratio	Lower	Upper
88	100		
43	25.3	31.0	46.6#
58	55.9	64.5	96.7#

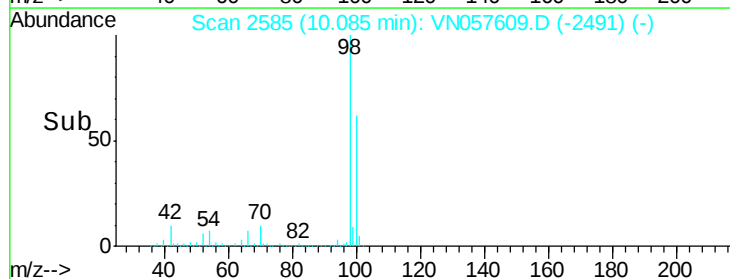
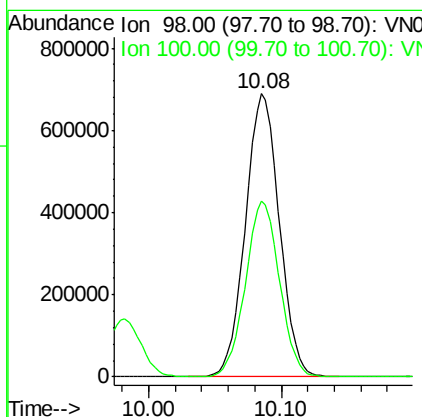
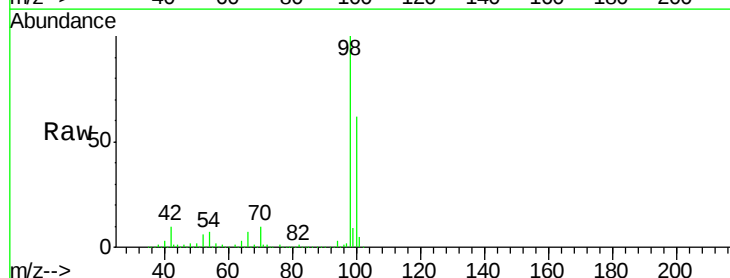
Manual Integrations
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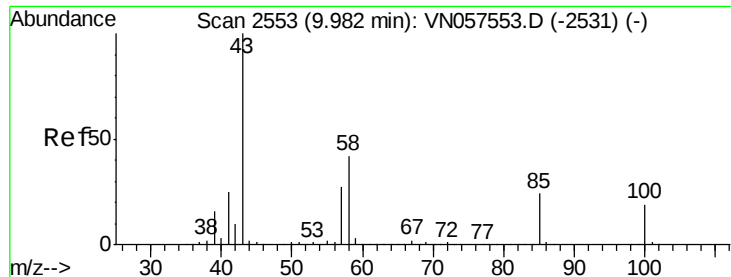
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#50
Toluene-d8
Concen: 55.929 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	98	Resp	1225060
Ion	Ratio	Lower	Upper
98	100		
100	62.0	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 276.955 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1371945

Ion Ratio Lower Upper

43 100

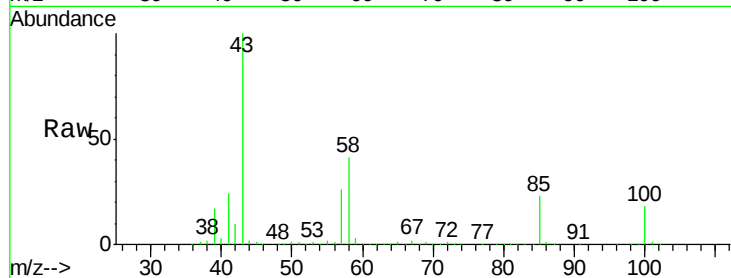
58 41.0 27.9 41.9

Manual Integrations

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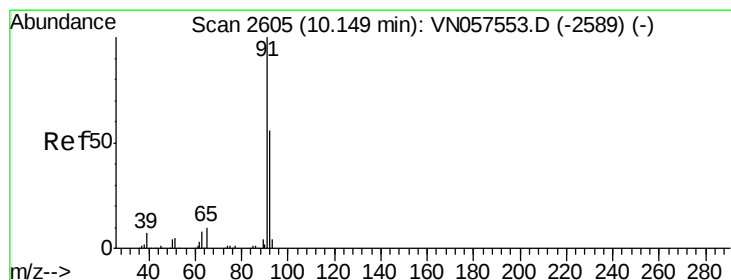
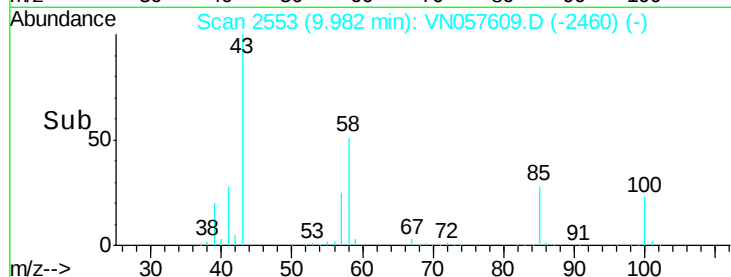
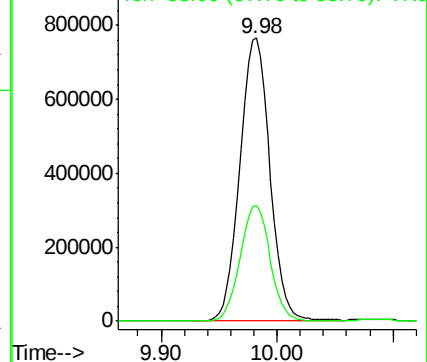
MMDadoda

8/31/2019 11:28:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.639 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057609.D

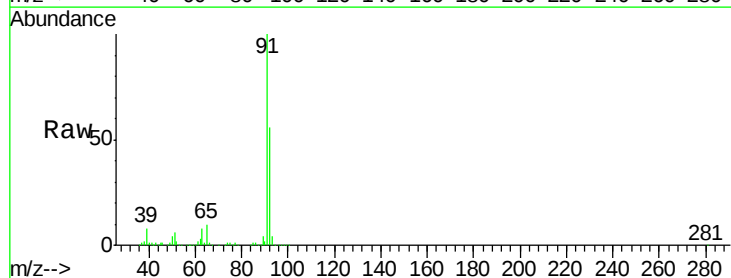
Acq: 31 Aug 2019 00:16

Tgt Ion: 92 Resp: 812473

Ion Ratio Lower Upper

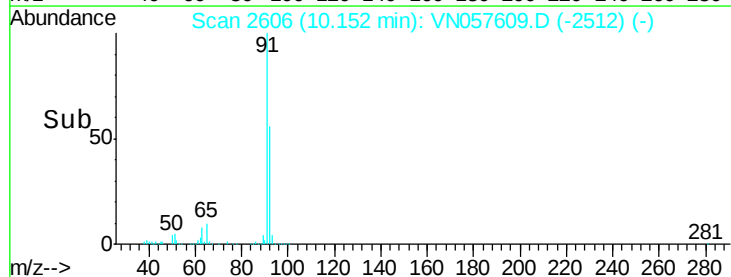
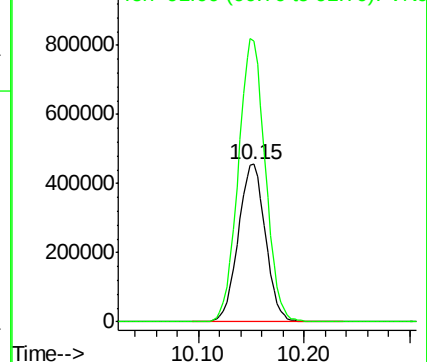
92 100

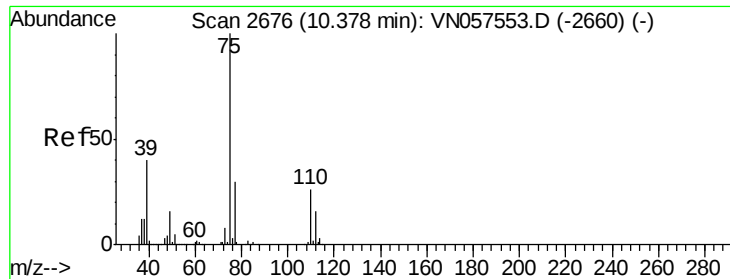
91 178.5 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





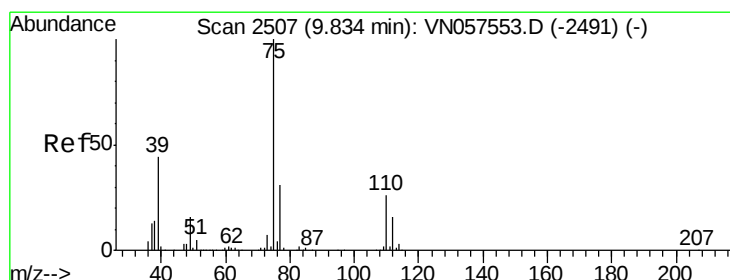
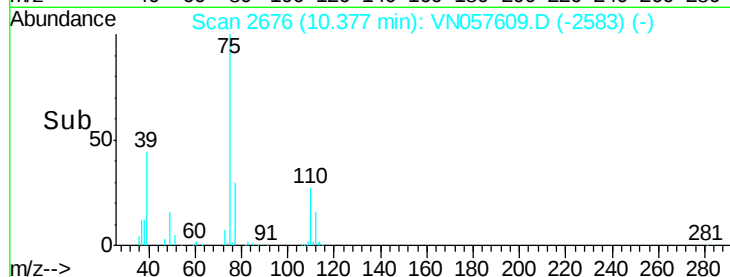
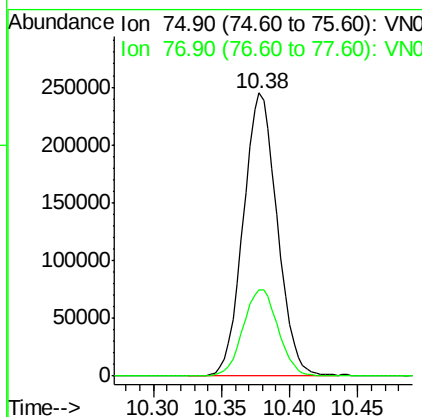
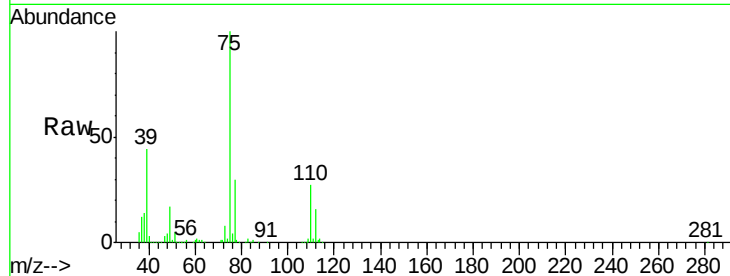
#53
 t-1,3-Dichloropropene
 Concen: 50.495 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.6

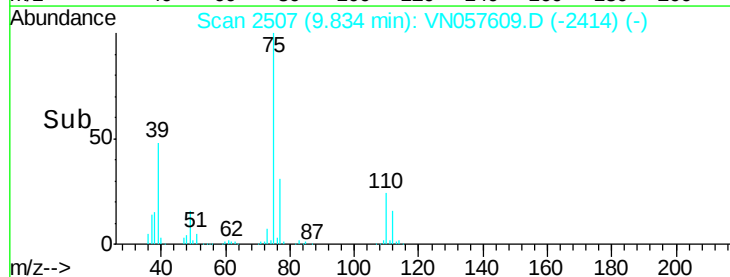
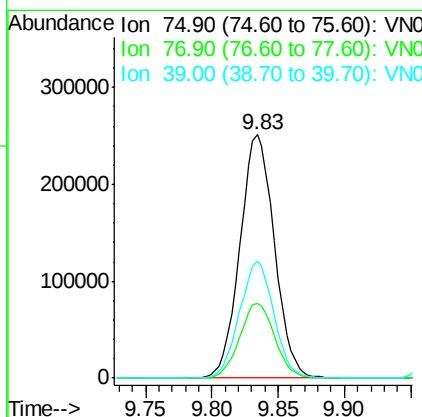
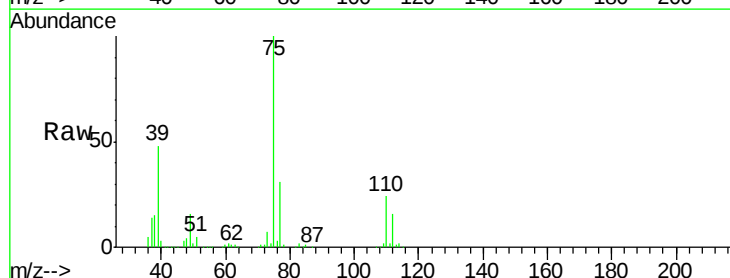
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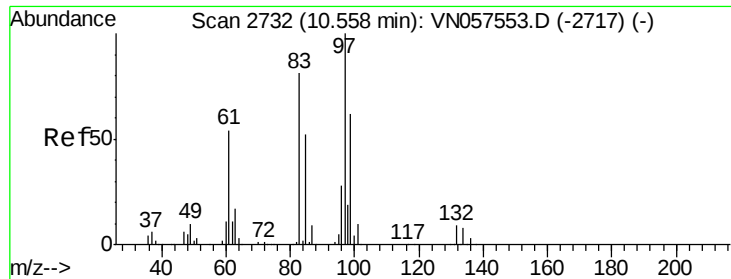
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 8/31/2019 11:28:58 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.985 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6
39	48.0	49.2	73.8#





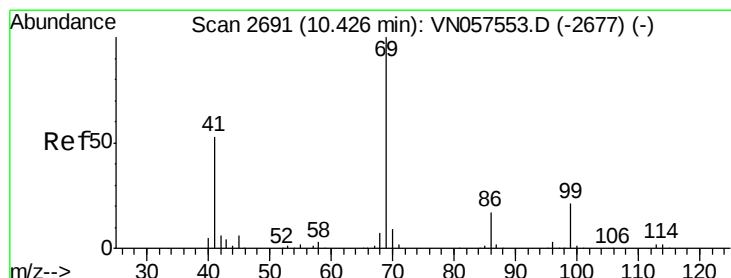
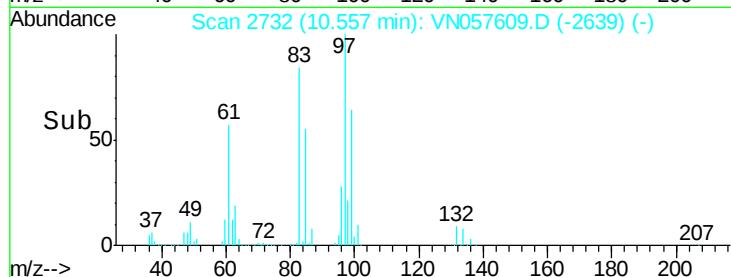
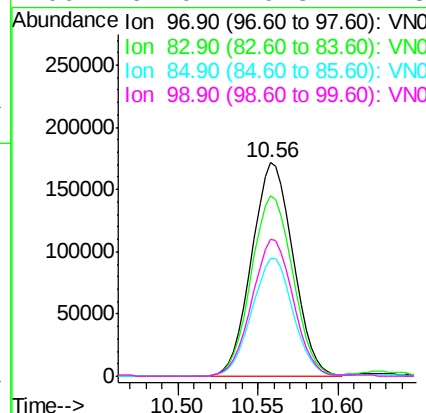
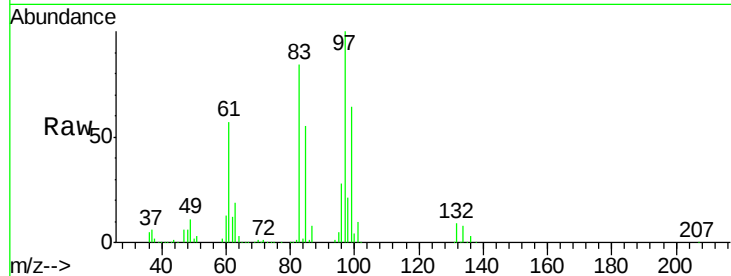
#55
 1,1,2-Trichloroethane
 Concen: 53.505 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		305994		
83	84.4	73.7	110.5		
85	55.3	46.8	70.2		
99	64.0	49.8	74.8		

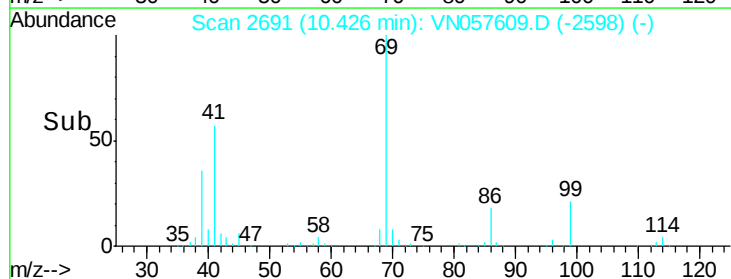
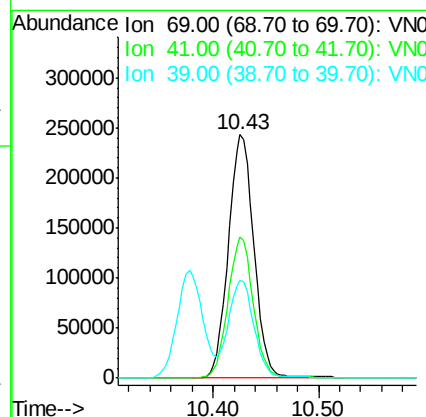
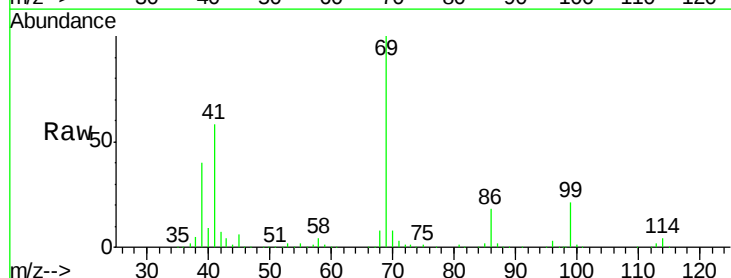
Manual Integrations
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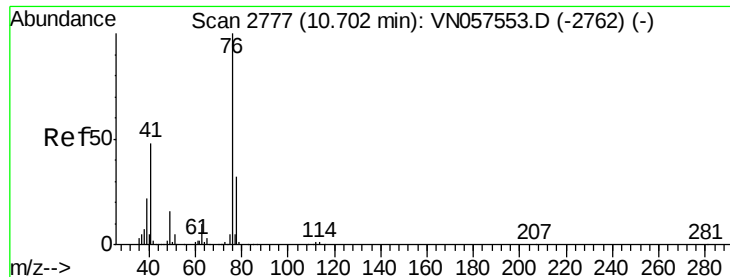
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#56
 Ethyl methacrylate
 Concen: 53.560 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		407708		
41	56.6	60.8	91.2#		
39	39.3	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 54.210 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 495265

Ion Ratio Lower Upper

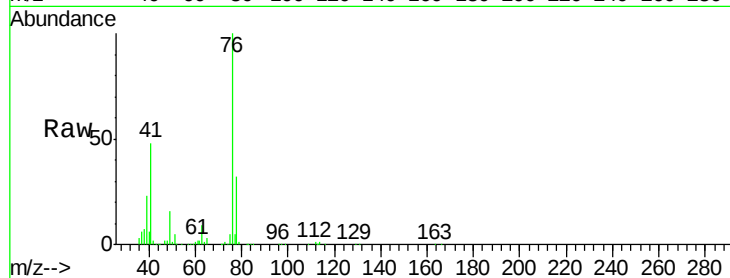
76 100

78 32.4 25.5 38.3

Manual Integrations
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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

300000

250000

200000

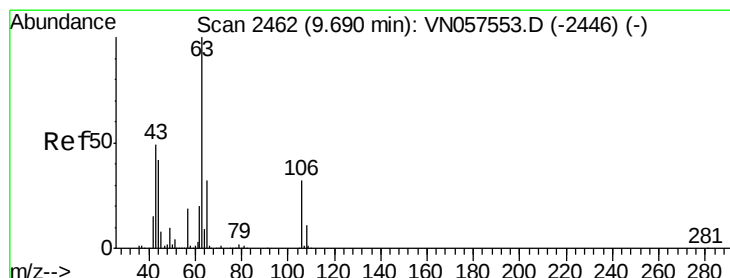
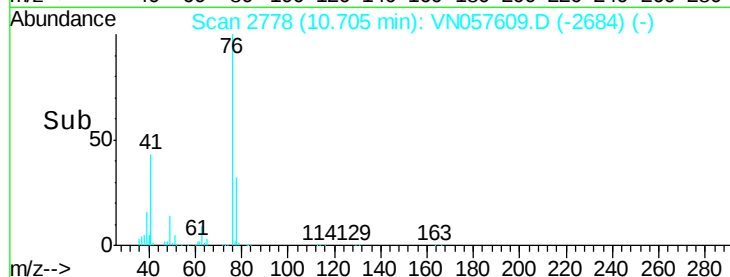
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 294.248 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057609.D

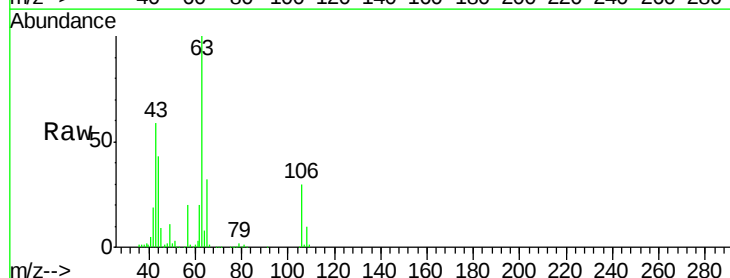
Acq: 31 Aug 2019 00:16

Tgt Ion: 63 Resp: 525506

Ion Ratio Lower Upper

63 100

106 30.3 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

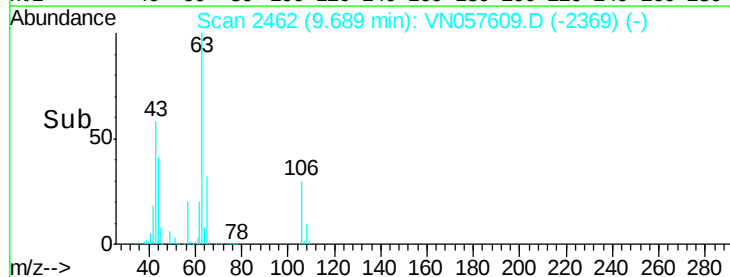
300000

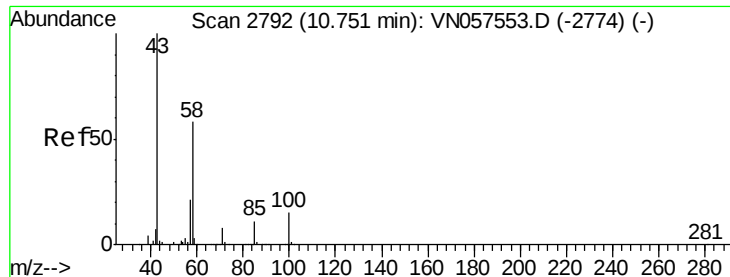
200000

100000

0

Time-->





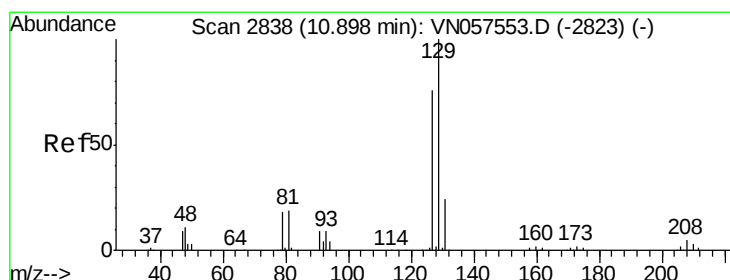
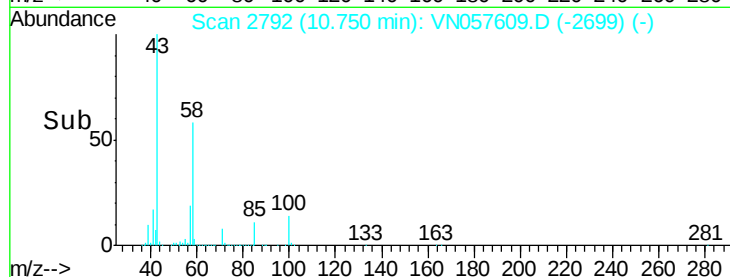
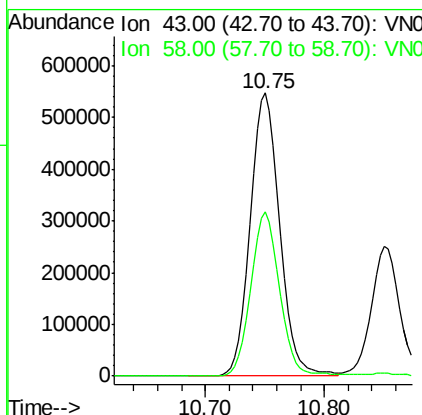
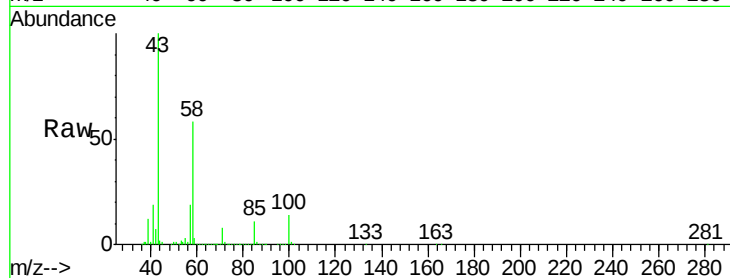
#59
2-Hexanone
Concen: 273.989 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 937065
Ion Ratio Lower Upper
43 100
58 57.1 24.6 73.6

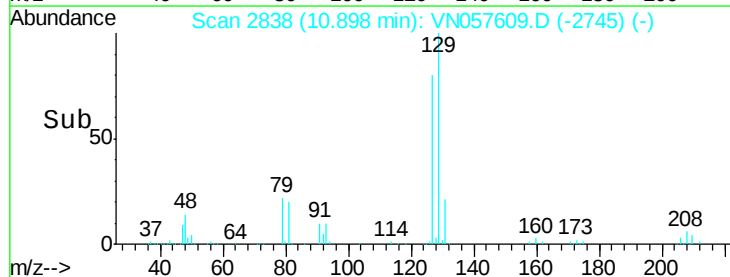
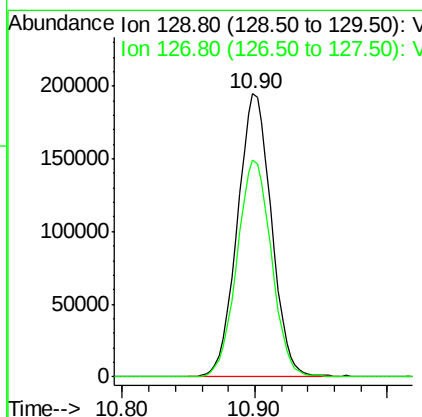
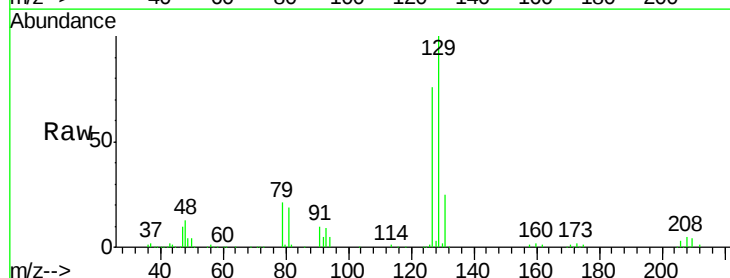
Manual Integrations
APPROVED

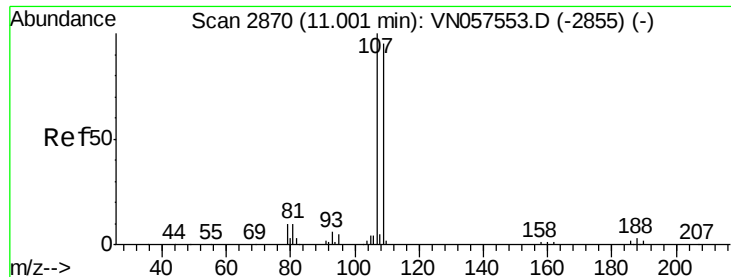
MMDadoda
8/31/2019 11:28:58 AM



#60
Dibromochloromethane
Concen: 53.385 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion: 129 Resp: 348251
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 55.604 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 332765

Ion Ratio Lower Upper

107 100

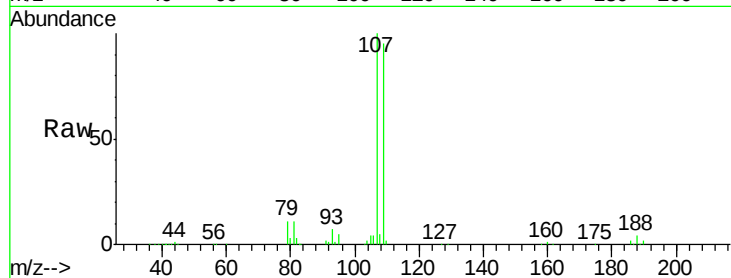
109 95.1 73.8 110.8

Manual Integrations

APPROVED

MMDadoda

8/31/2019 11:28:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

200000

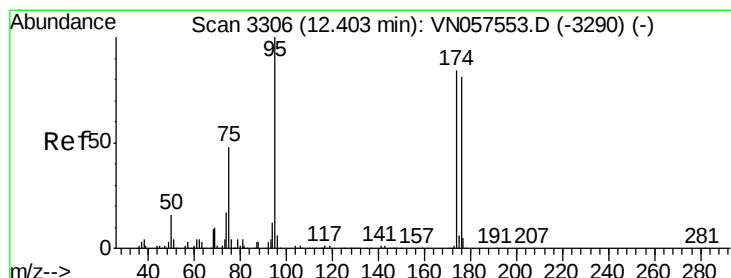
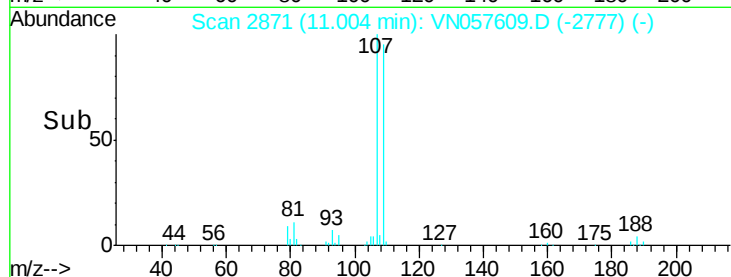
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 58.483 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

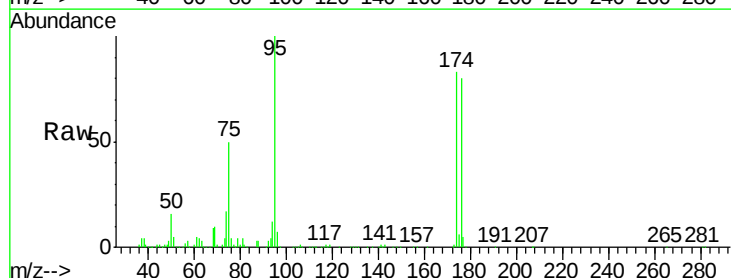
Tgt Ion: 95 Resp: 430003

Ion Ratio Lower Upper

95 100

174 84.5 0.0 133.0

176 80.1 0.0 130.8



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

12.40

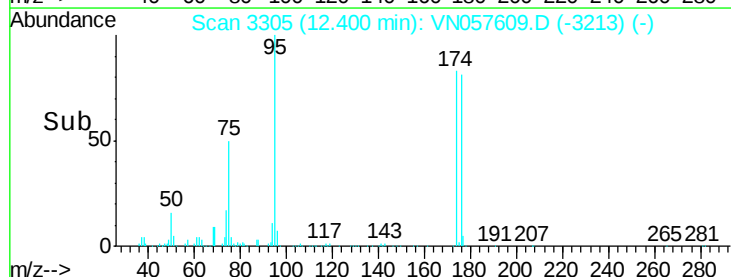
300000

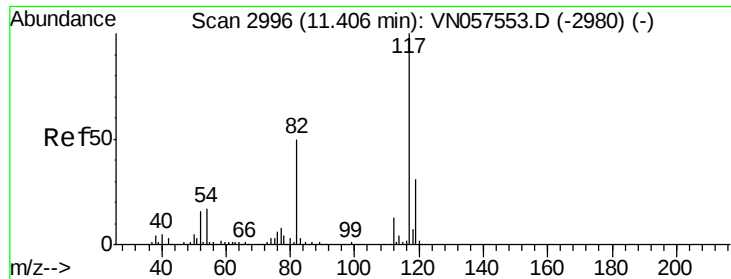
200000

100000

0

Time--> 12.30 12.40 12.50





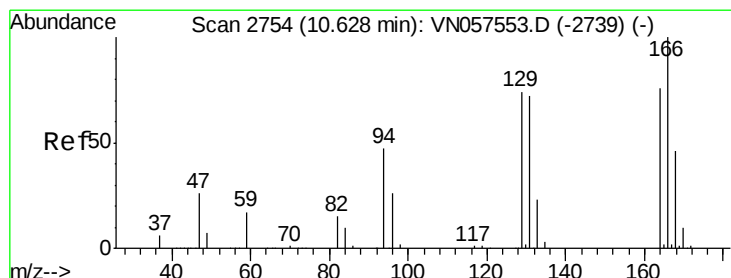
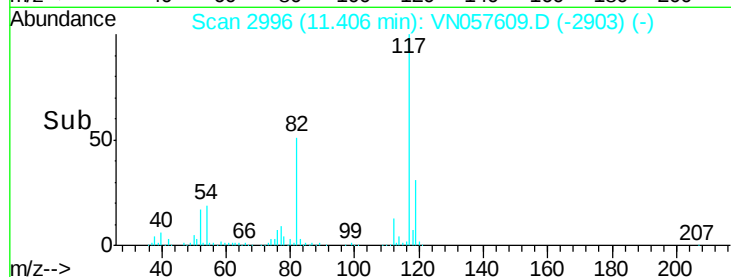
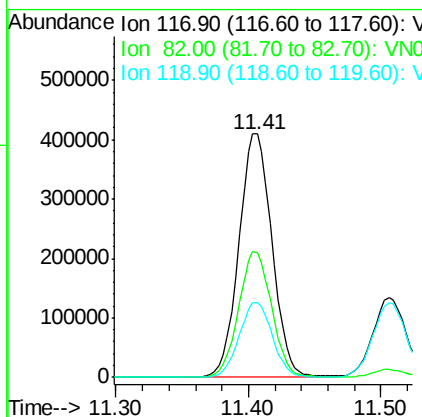
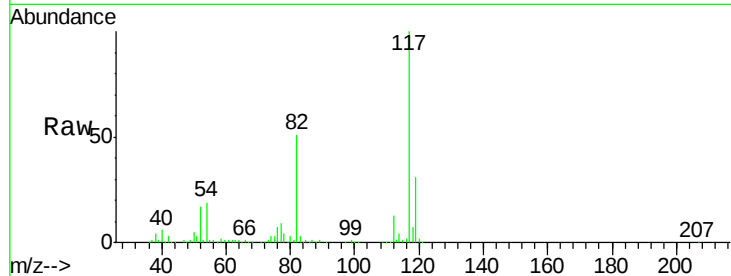
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	50.6	75.8
119	30.9	24.6	36.8

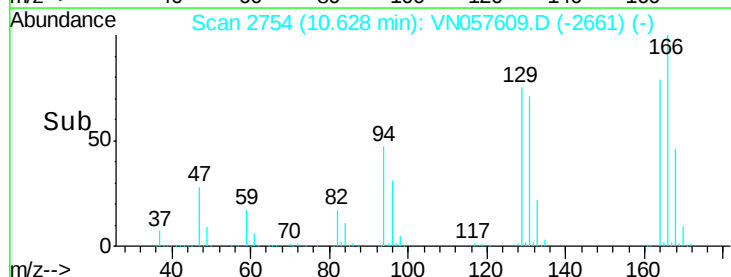
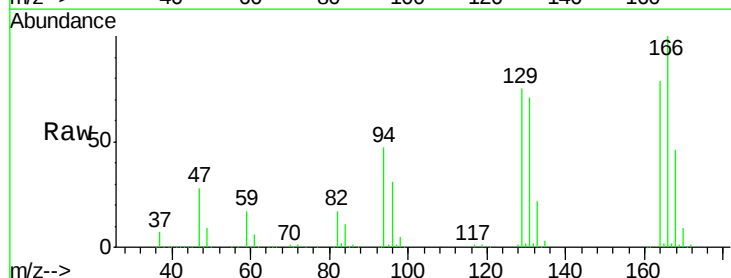
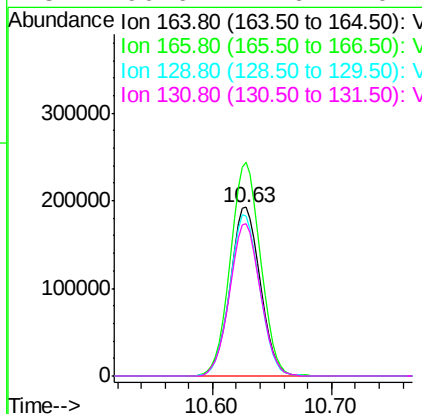
Manual Integrations
APPROVED

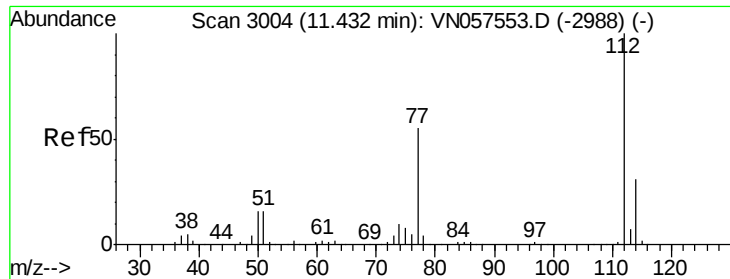
MMDadoda
8/31/2019 11:28:58 AM



#64
Tetrachloroethene
Concen: 46.331 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.4	156.6
129	95.2	86.6	130.0
131	90.6	77.6	116.4





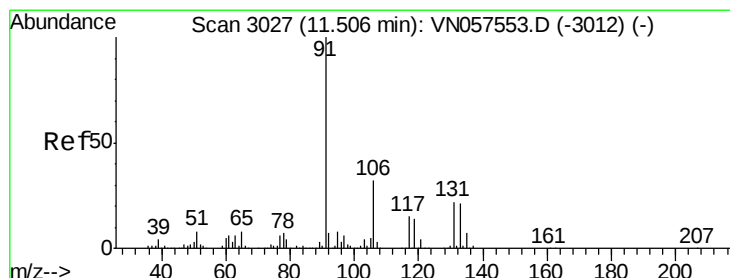
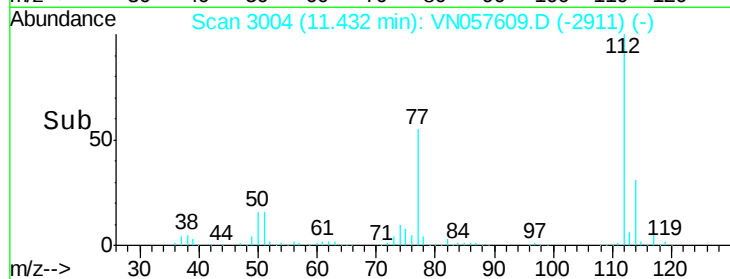
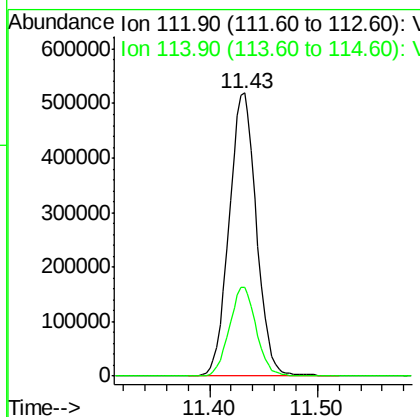
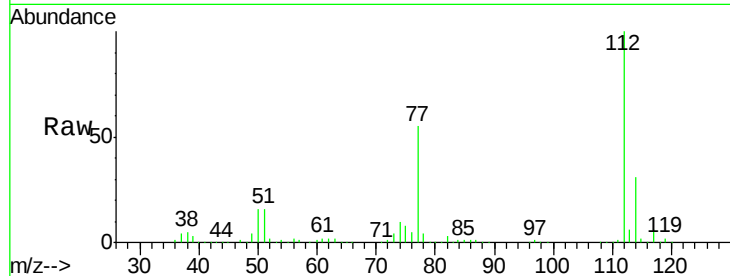
#65
Chlorobenzene
Concen: 51.383 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 916782
Ion Ratio Lower Upper
112 100
114 31.5 24.8 37.2

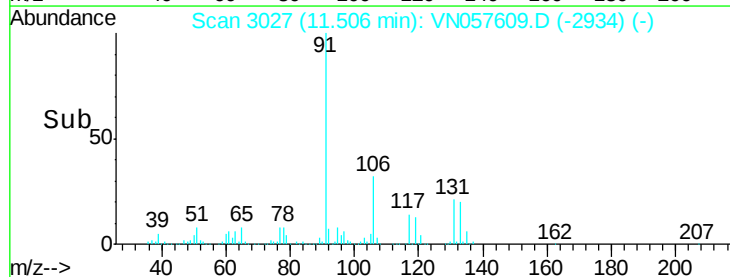
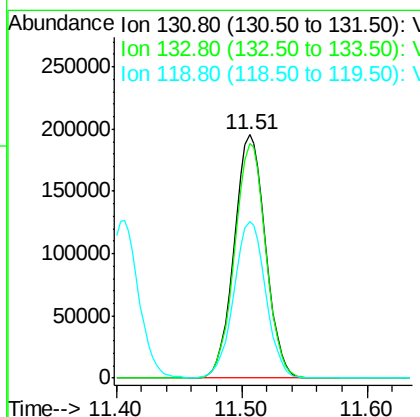
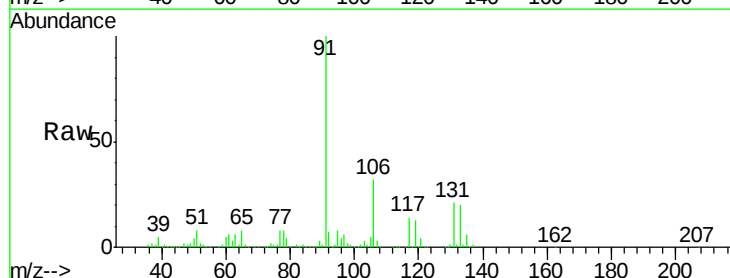
Manual Integrations
APPROVED

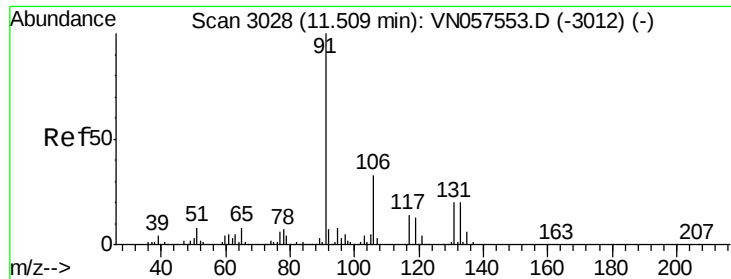
MMDadoda
8/31/2019 11:28:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.190 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion:131 Resp: 339092
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.8
119 65.4 34.4 103.2





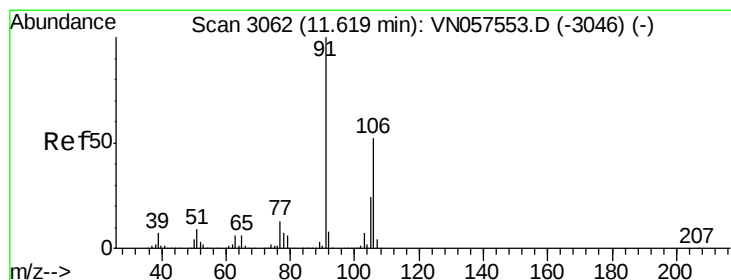
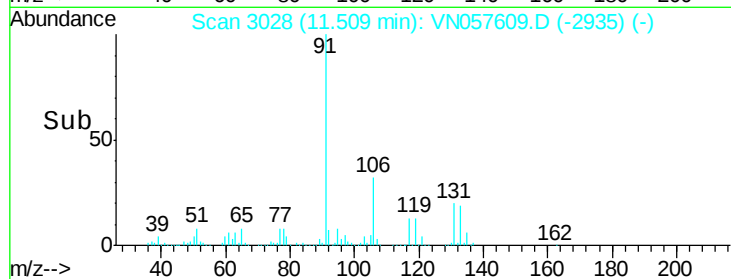
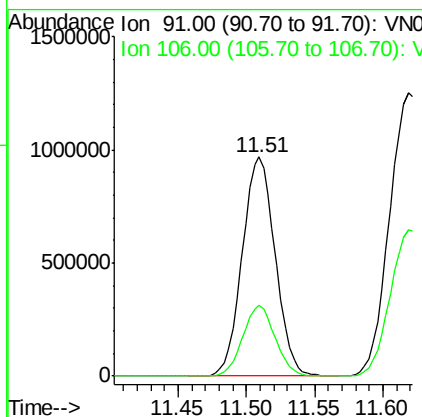
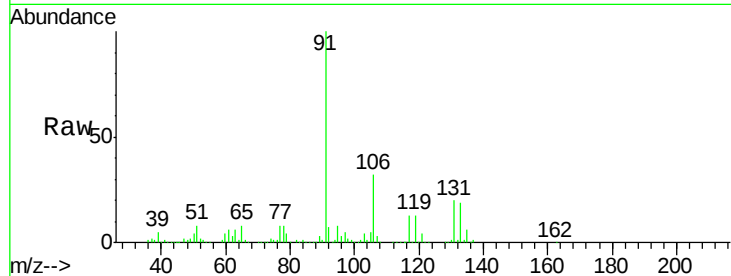
#67
Ethyl Benzene
Concen: 51.795 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1622880
Ion Ratio Lower Upper
91 100
106 32.1 24.1 36.1

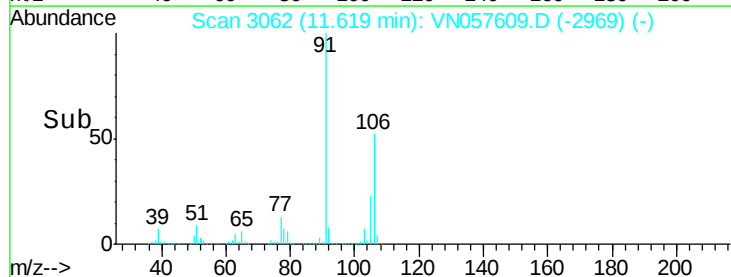
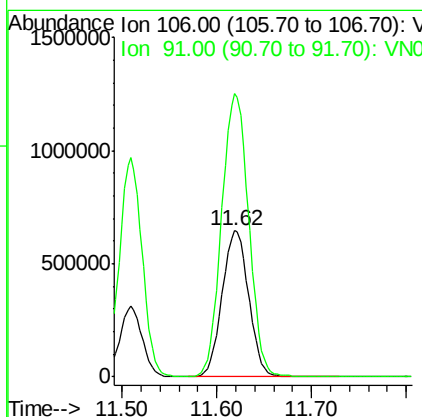
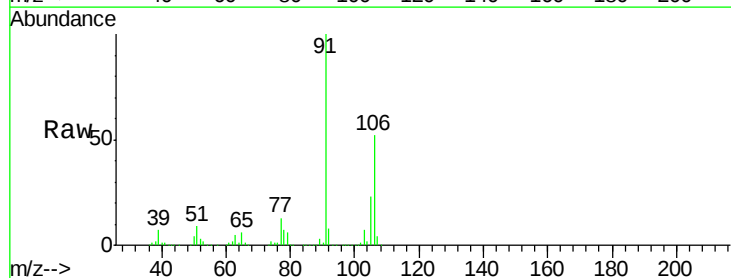
Manual Integrations
APPROVED

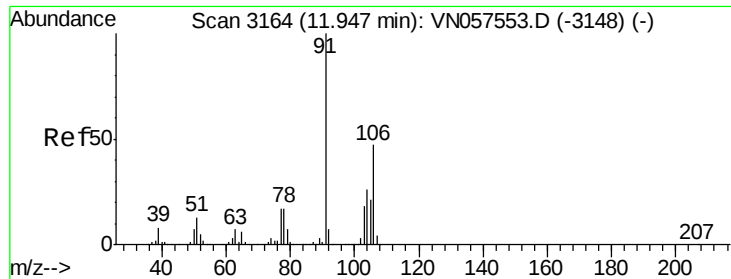
MMDadoda
8/31/2019 11:28:58 AM



#68
m/p-Xylenes
Concen: 105.739 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion: 106 Resp: 1261848
Ion Ratio Lower Upper
106 100
91 197.3 171.8 257.6





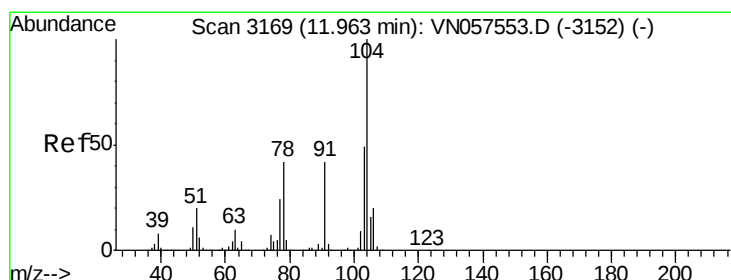
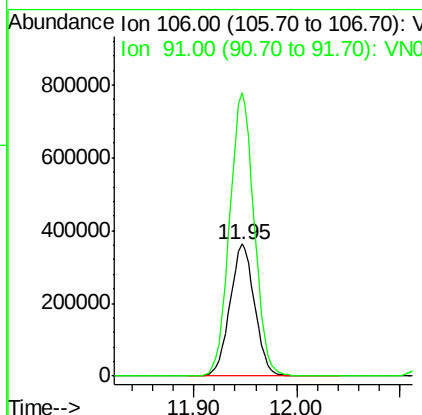
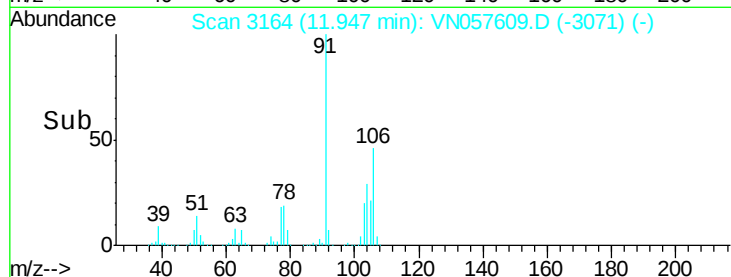
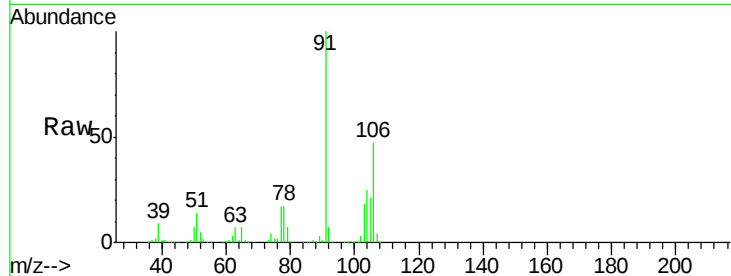
#69
o-Xylene
Concen: 50.422 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.8	112.3	336.9

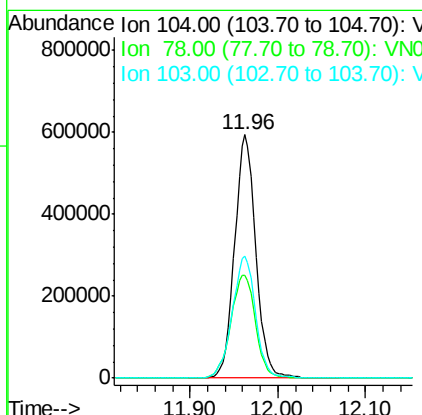
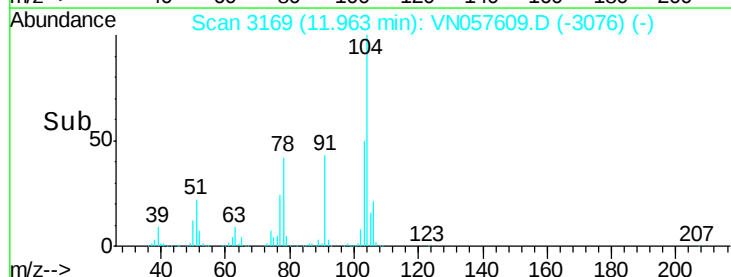
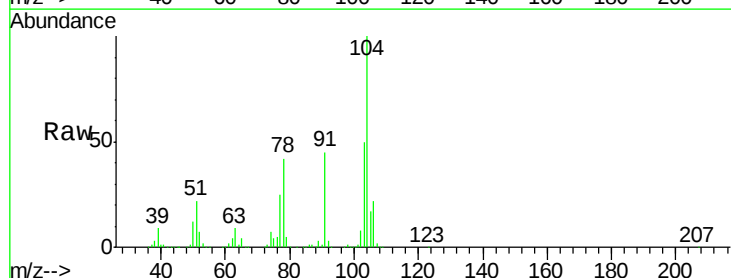
Manual Integrations
APPROVED

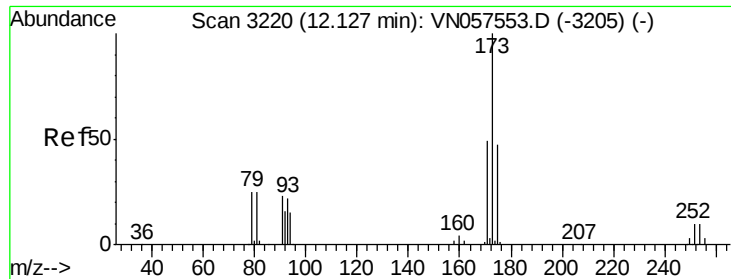
MMDadoda
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#70
Styrene
Concen: 55.275 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	44.7	67.1
103	55.3	44.4	66.6





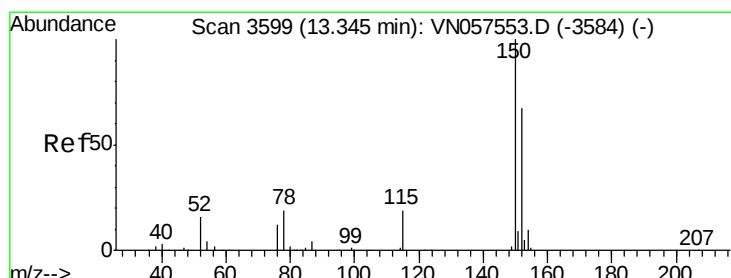
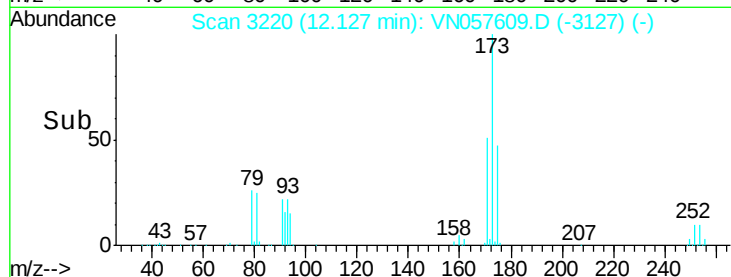
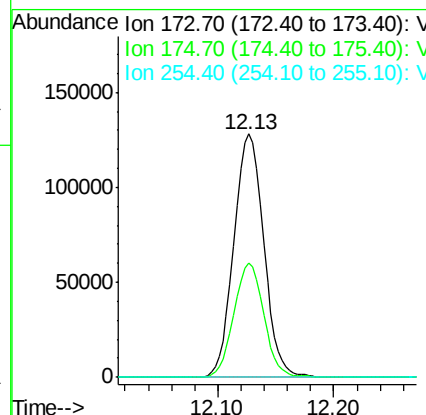
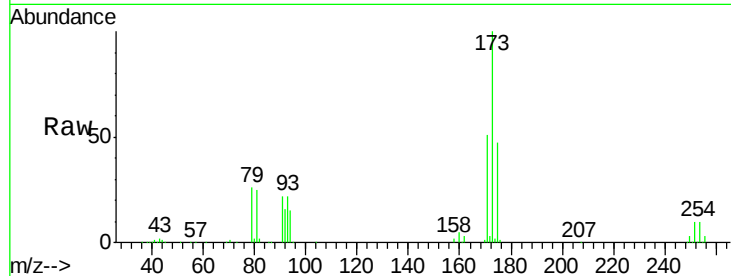
#71
Bromoform
Concen: 48.609 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.9	71.8
254	0.1	0.1	0.1

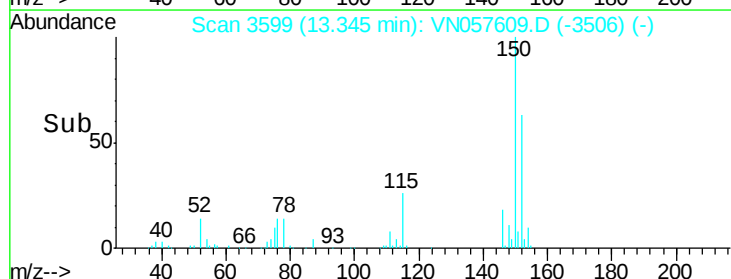
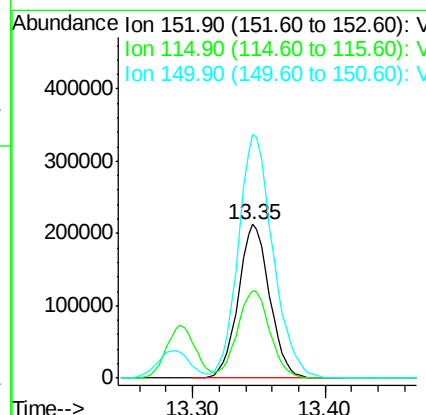
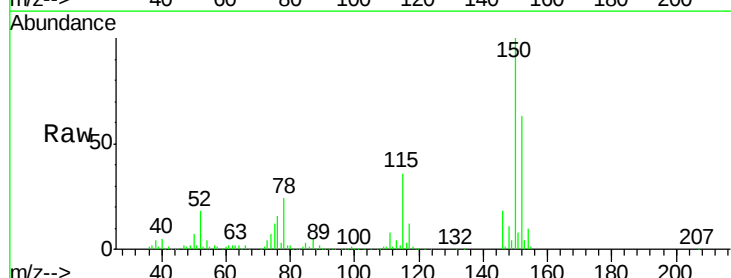
Manual Integrations
APPROVED

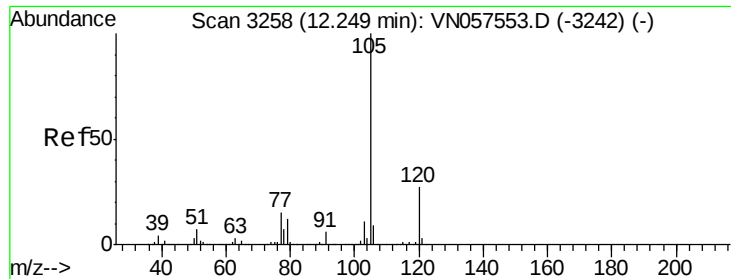
MMDadoda
8/31/2019 11:28:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	32.0	96.0
150	176.6	0.0	346.6





#73

Isopropylbenzene

Concen: 52.025 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1659499

Ion Ratio Lower Upper

105 100

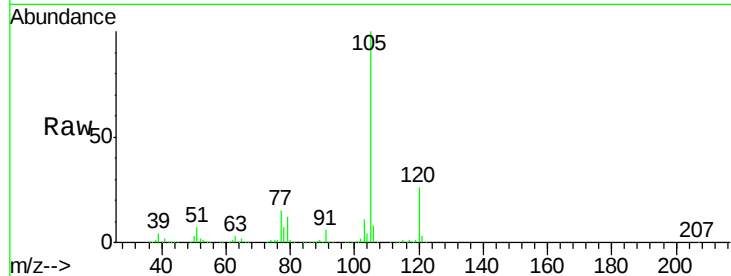
120 26.4 12.7 38.0

Manual Integrations

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8/31/2019 11:28:58 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

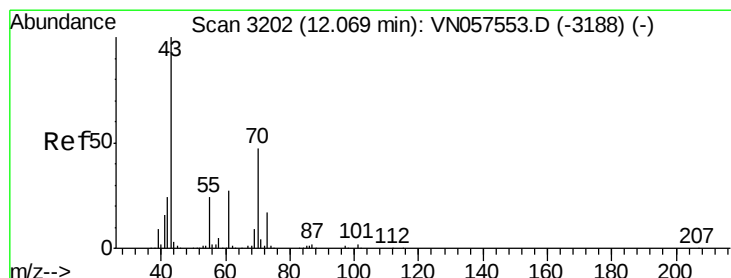
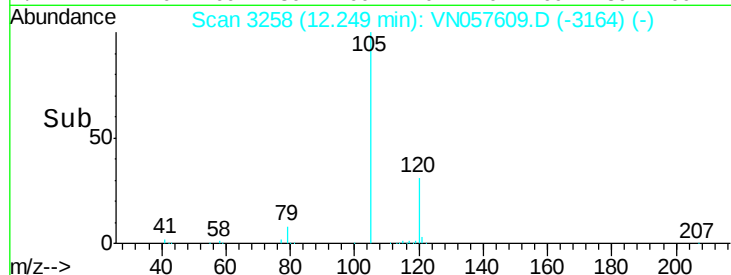
400000

200000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 54.381 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Tgt Ion: 43 Resp: 401277

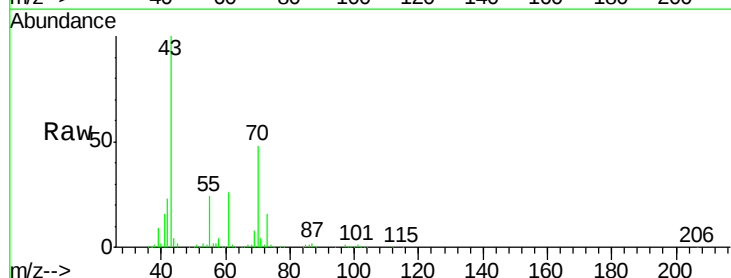
Ion Ratio Lower Upper

43 100

70 48.2 27.8 41.6#

55 24.4 17.0 25.4

61 26.1 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

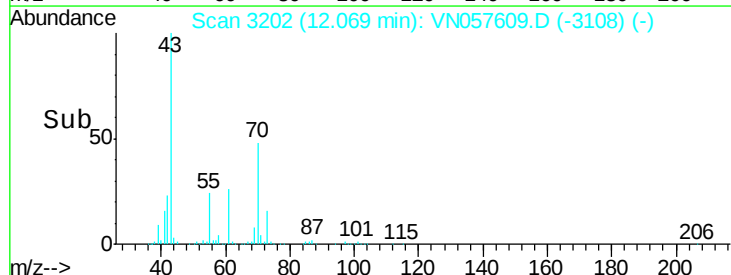
200000

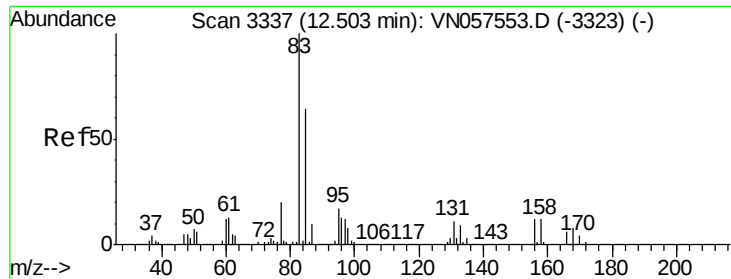
100000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 55.496 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

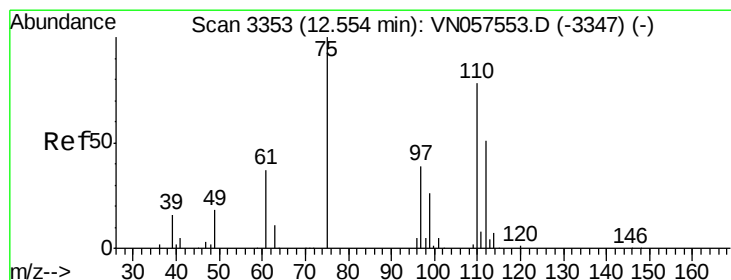
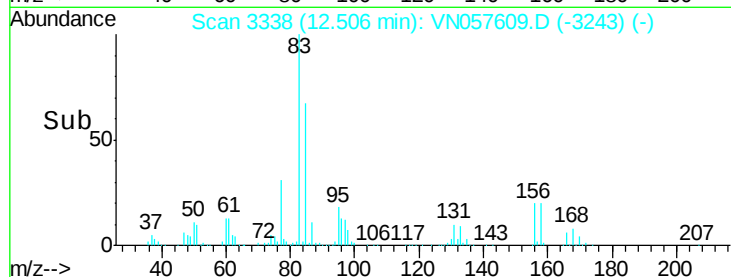
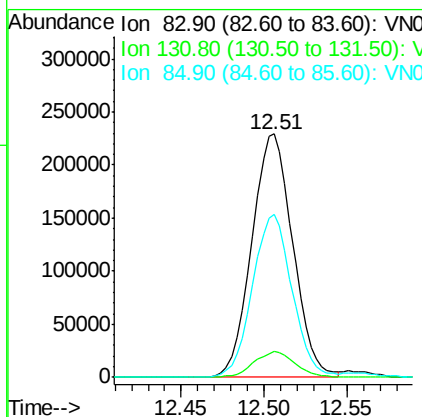
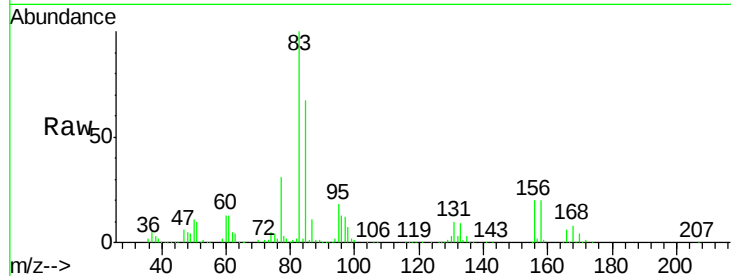
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	393425
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.3	13.1
85	64.7	32.3	96.8

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 52.010 ug/l m

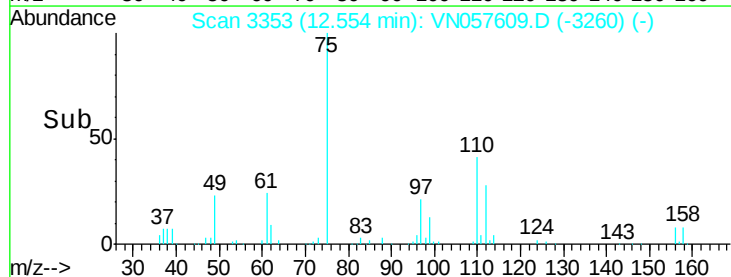
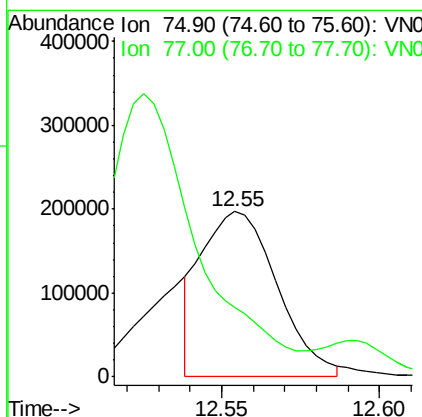
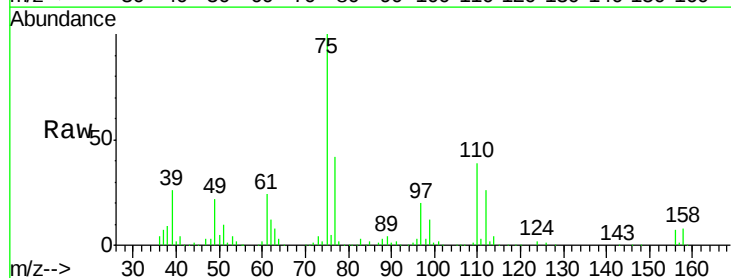
RT: 12.55 min Scan# 3353

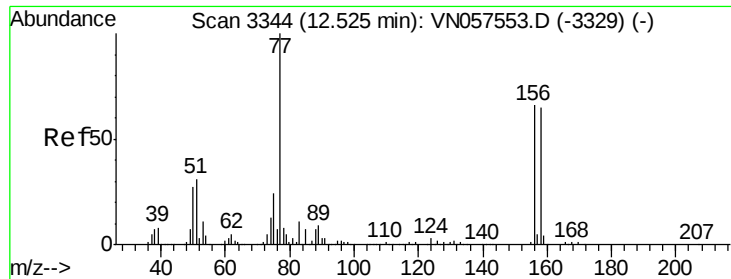
Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Tgt Ion:	75	Resp:	331271
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.989 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

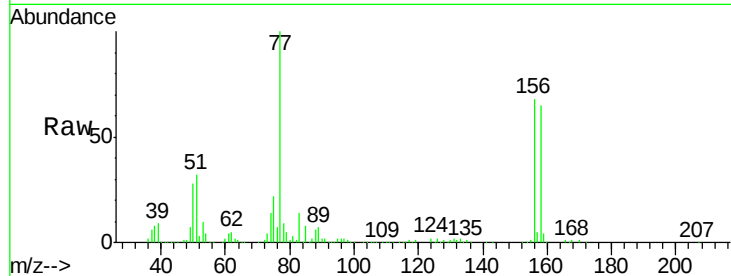
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.8	124.4	373.3
158	96.0	48.3	144.8

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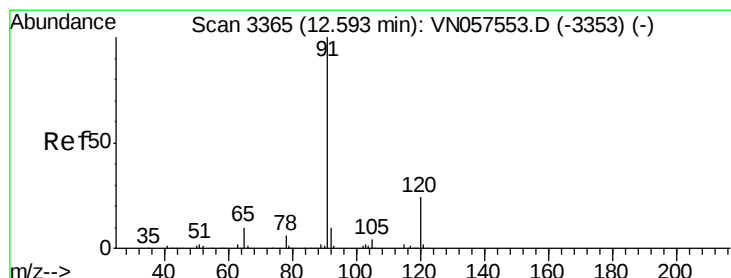
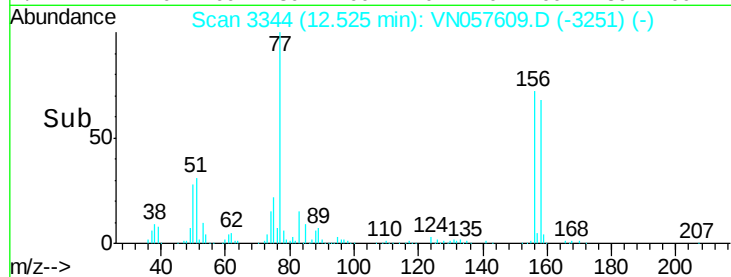
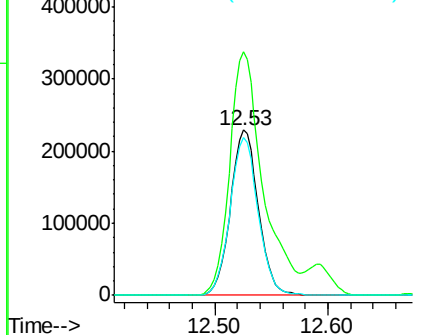
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.585 ug/l

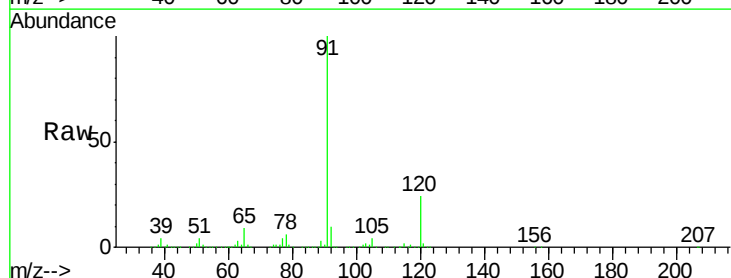
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057609.D

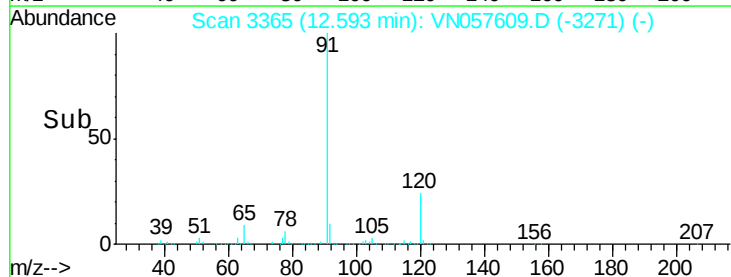
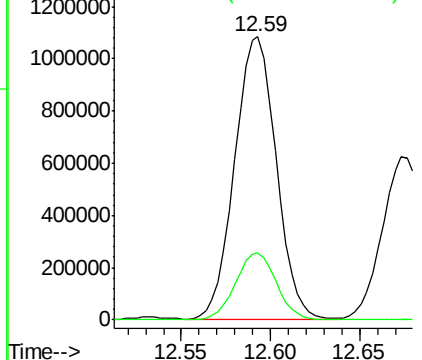
Acq: 31 Aug 2019 00:16

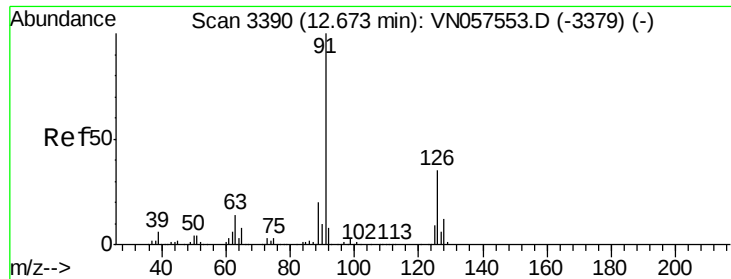
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.783 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1046571

Ion Ratio Lower Upper

91 100

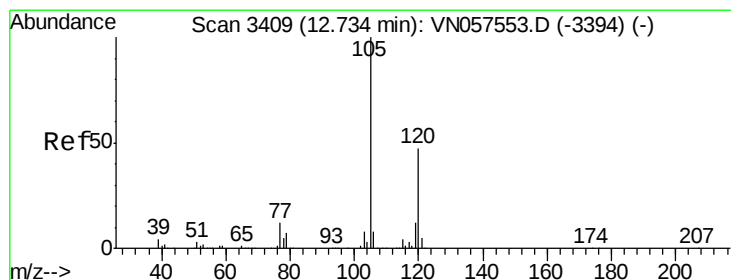
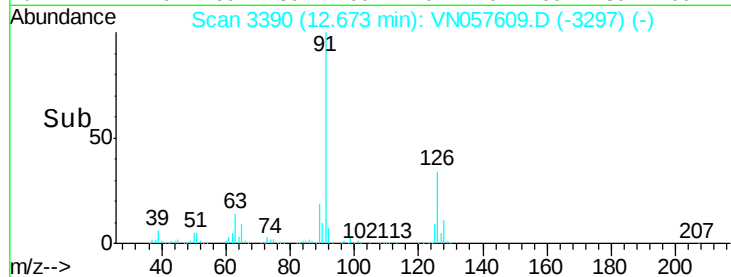
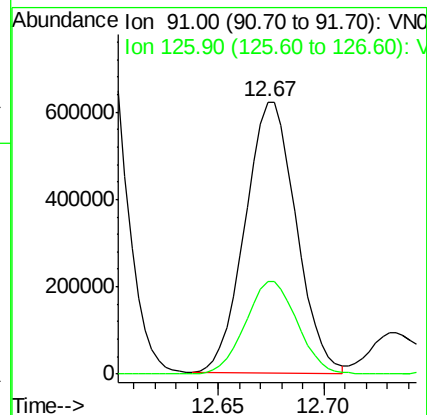
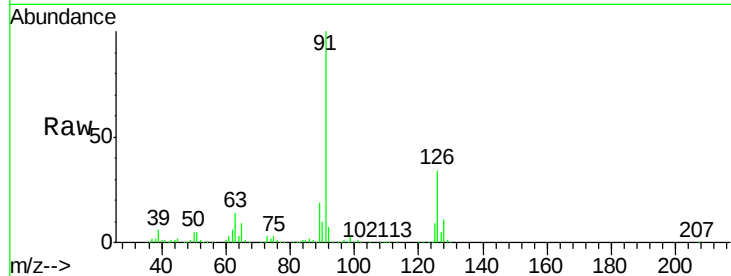
126 34.8 15.3 45.8

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#80

1,3,5-Trimethylbenzene

Concen: 47.936 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057609.D

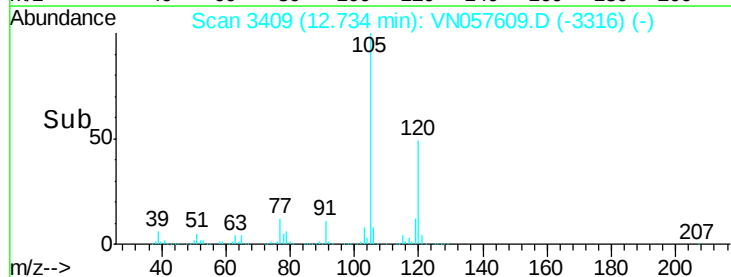
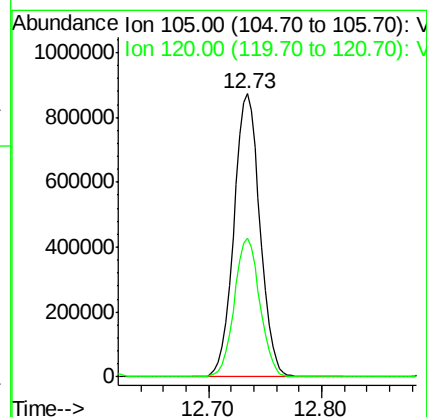
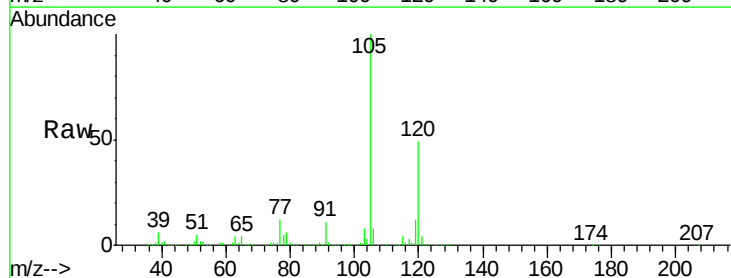
Acq: 31 Aug 2019 00:16

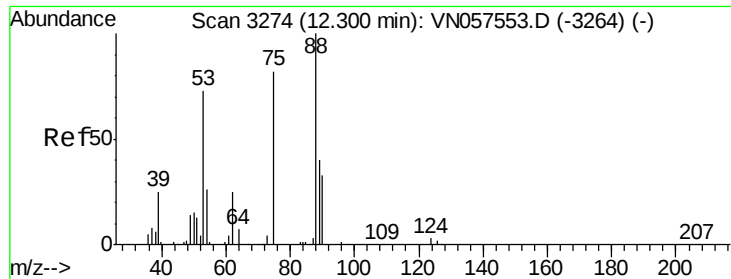
Tgt Ion: 105 Resp: 1393491

Ion Ratio Lower Upper

105 100

120 48.1 23.3 69.8





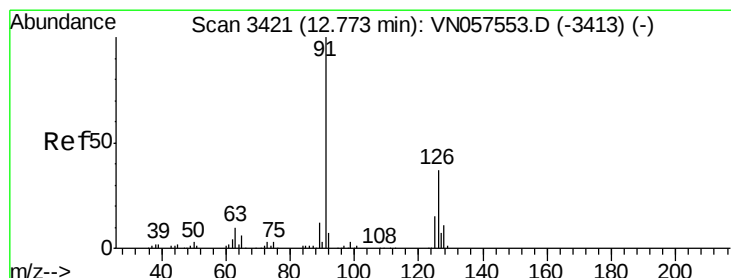
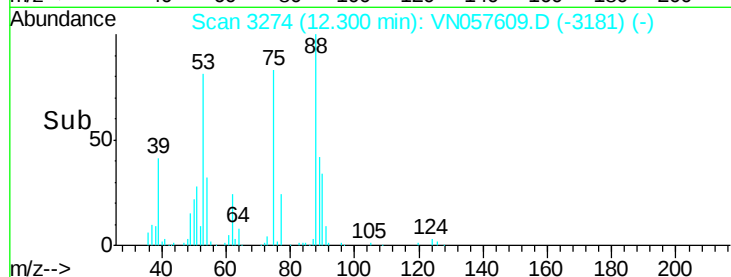
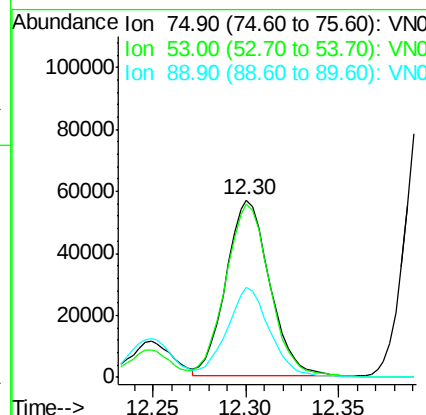
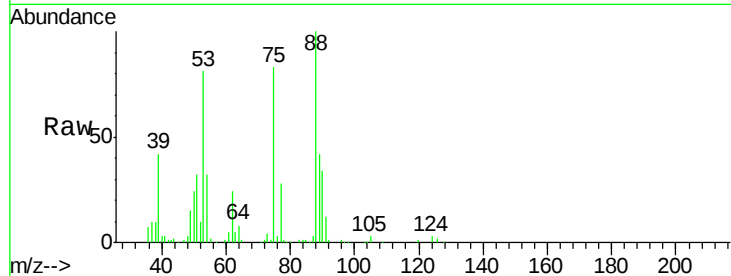
#81
trans-1,4-Dichloro-2-butene
Concen: 40.125 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	82.7	124.1
89	51.0	35.8	53.8

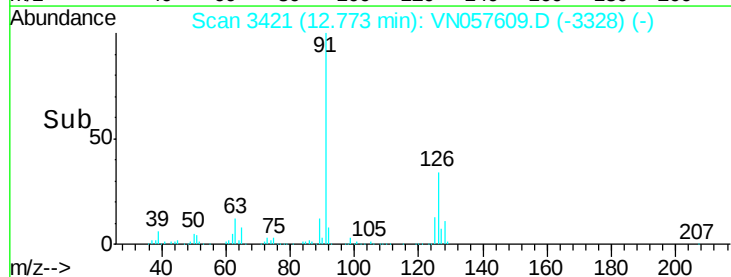
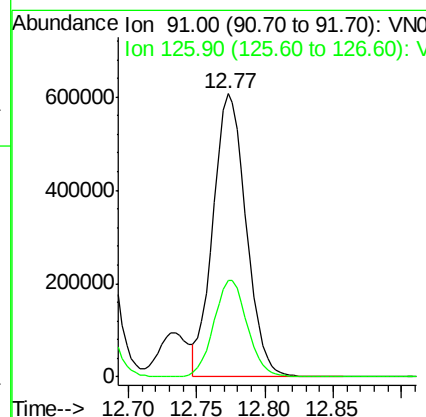
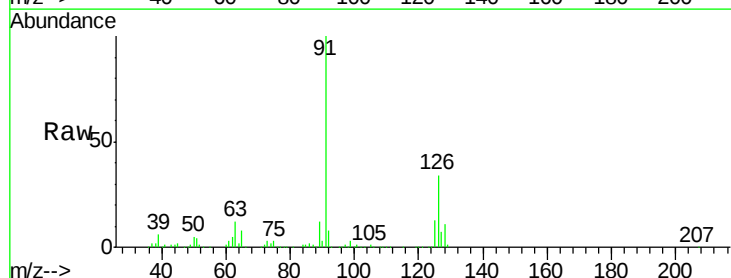
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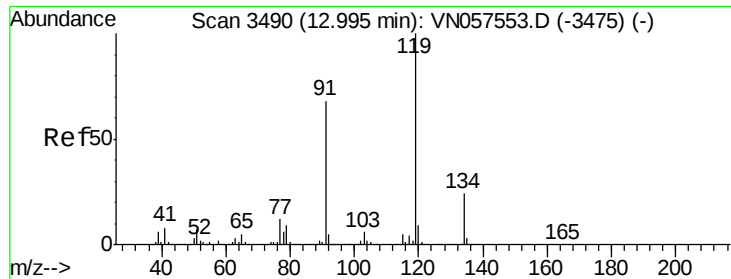
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#82
4-Chlorotoluene
Concen: 48.326 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	15.0	45.0





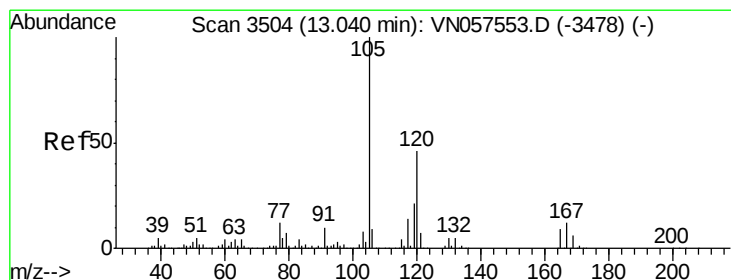
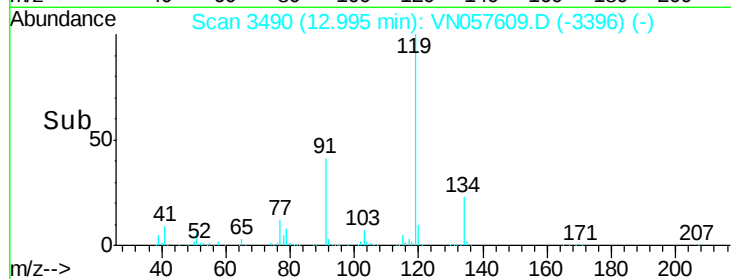
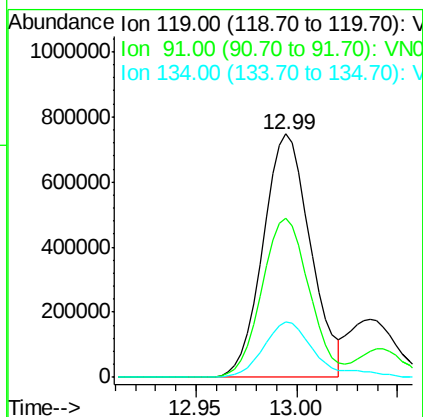
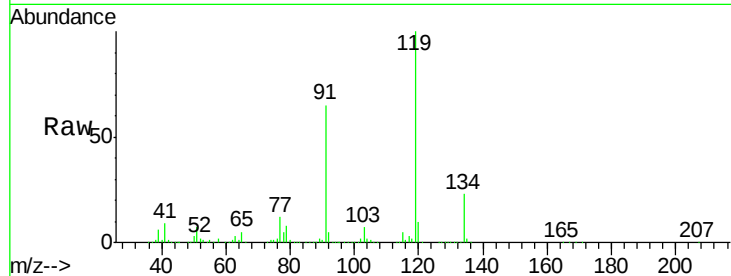
#83
tert-Butylbenzene
Concen: 55.652 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	37.0	111.0
134	24.9	12.2	36.6

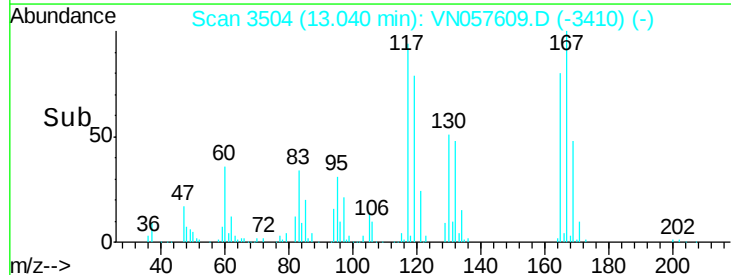
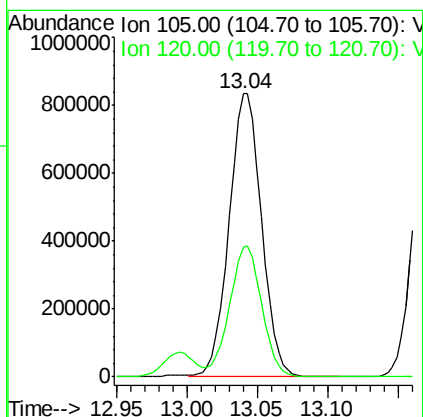
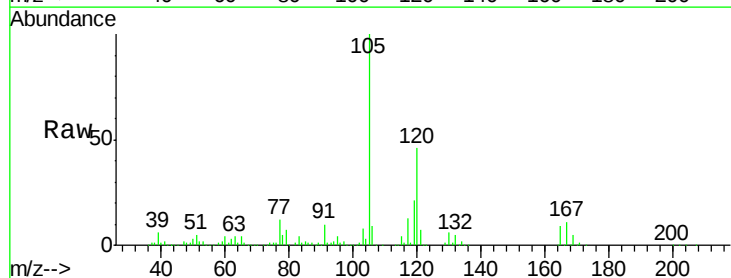
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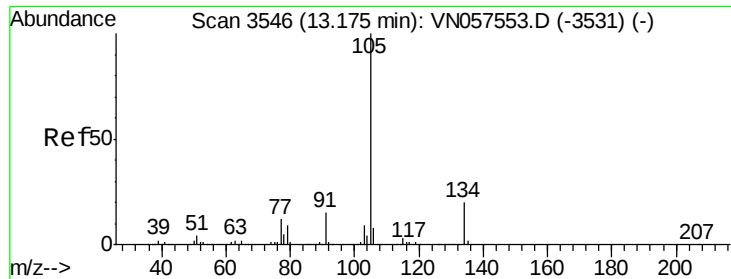
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#84
1,2,4-Trimethylbenzene
Concen: 50.485 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.9	65.7





#85

sec-Butylbenzene

Concen: 48.631 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1553906

Ion Ratio Lower Upper

105 100

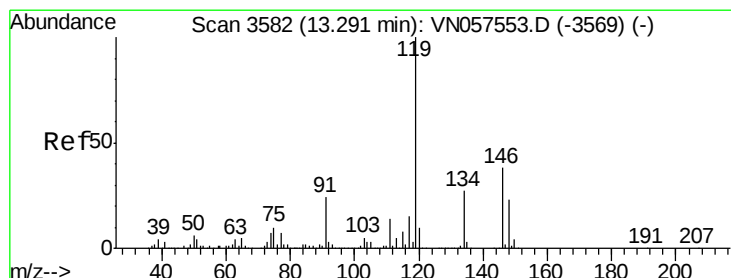
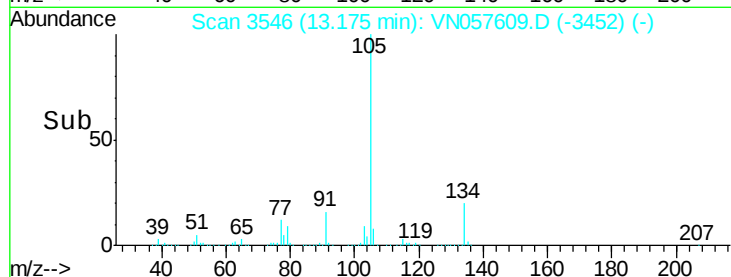
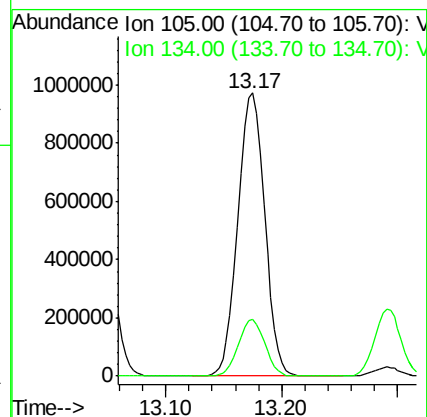
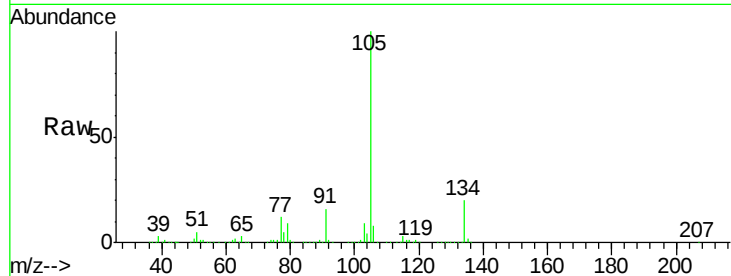
134 19.7 9.3 27.9

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#86

p-Isopropyltoluene

Concen: 50.152 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

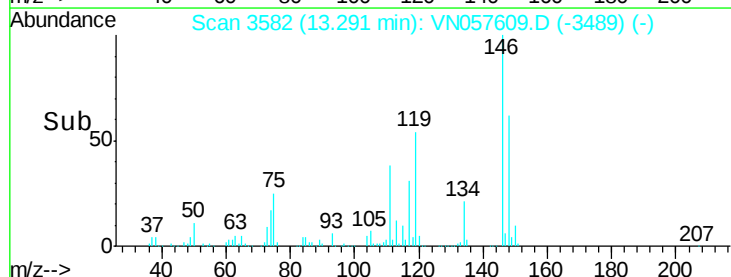
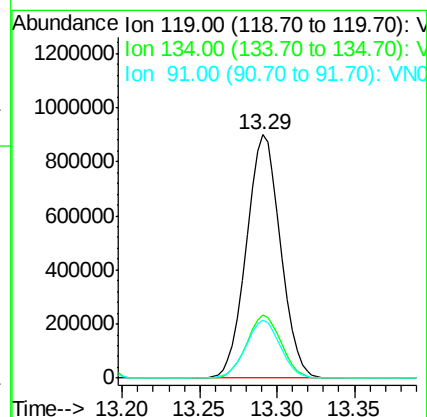
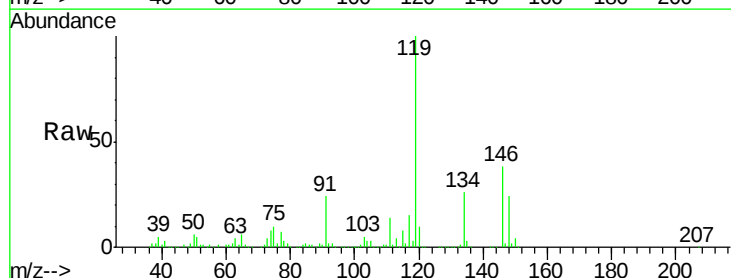
Tgt Ion:119 Resp: 1377371

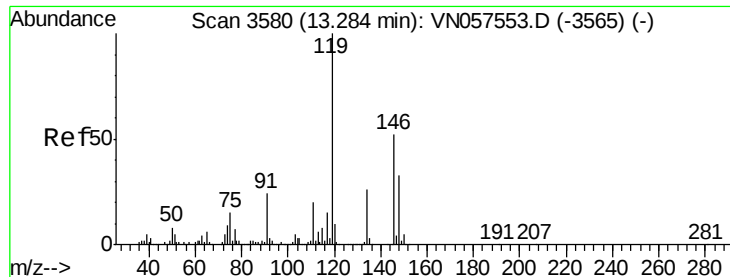
Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.1

91 24.0 13.9 41.6





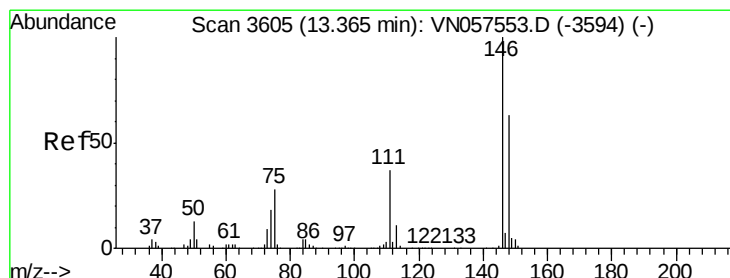
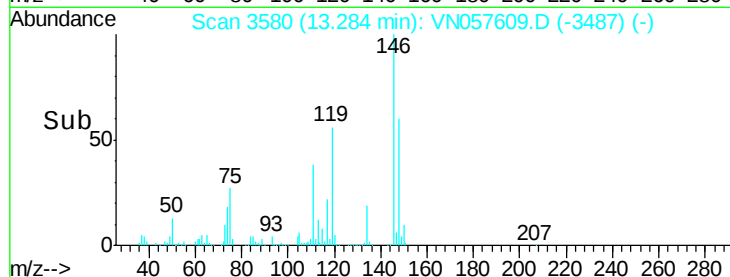
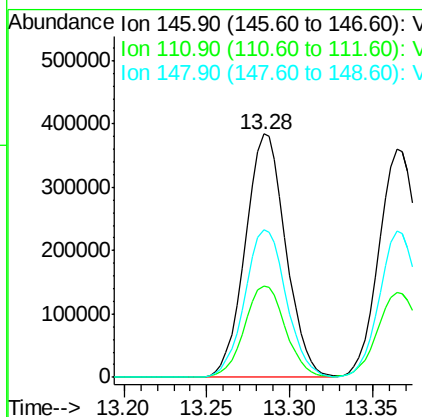
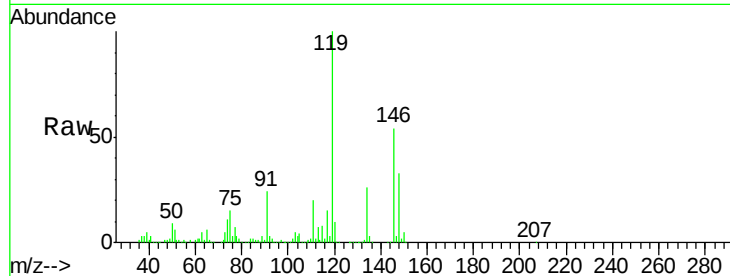
#87
 1,3-Dichlorobenzene
 Concen: 52.365 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	22.1	66.1
148	61.9	31.9	95.9

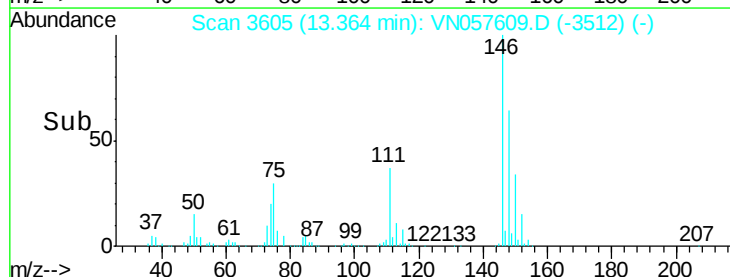
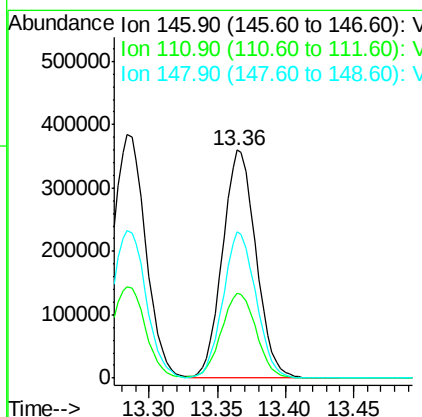
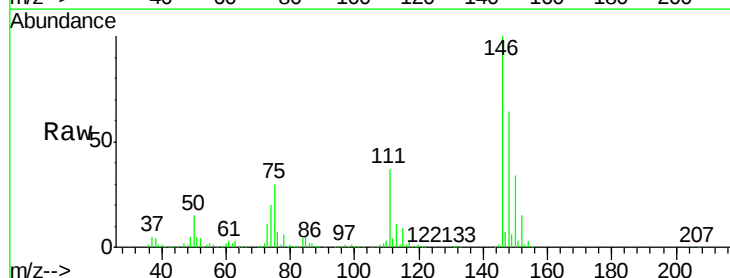
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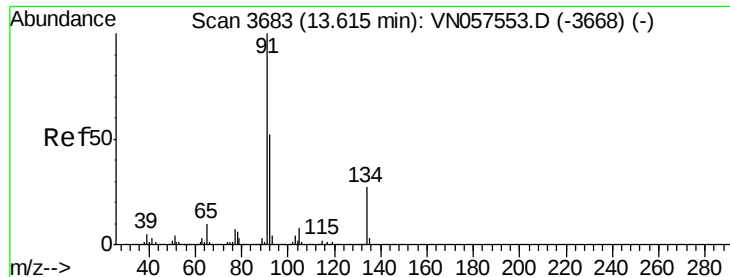
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#88
 1,4-Dichlorobenzene
 Concen: 51.500 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	21.9	65.5
148	63.2	31.1	93.2





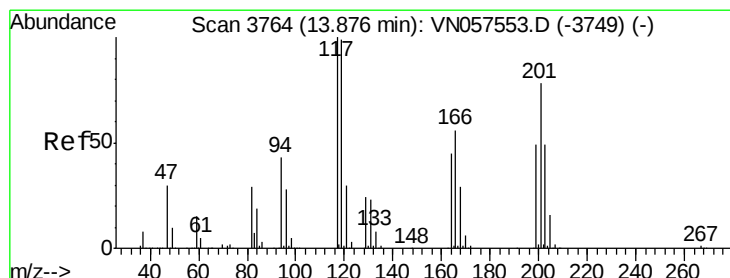
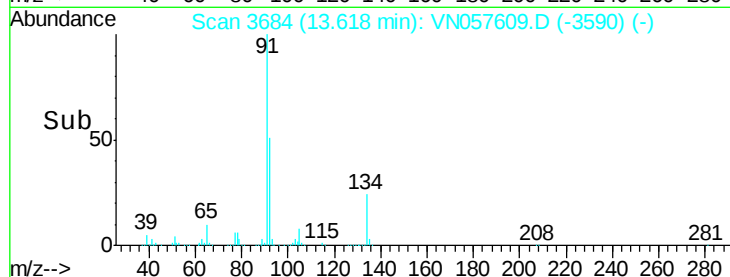
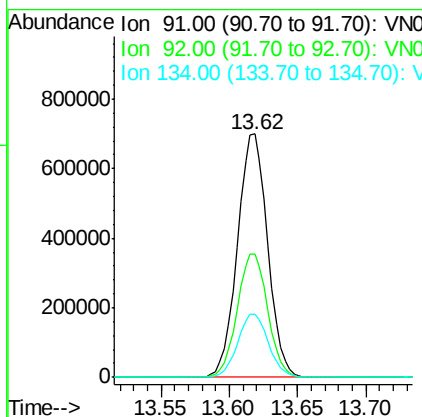
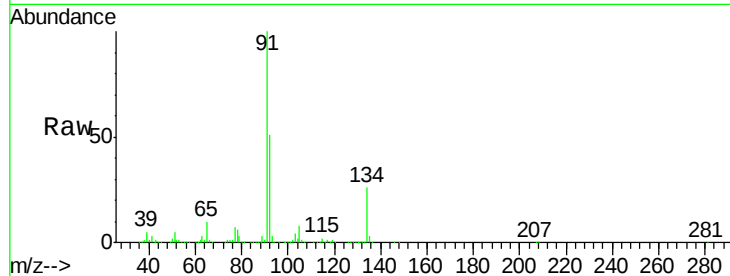
#89
n-Butylbenzene
Concen: 51.520 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1071874
Ion Ratio Lower Upper
91 100
92 51.3 25.7 77.0
134 26.3 11.4 34.1

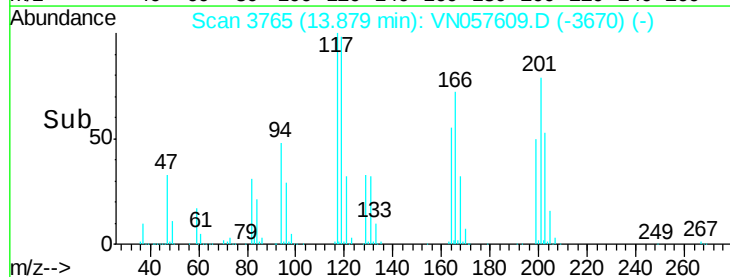
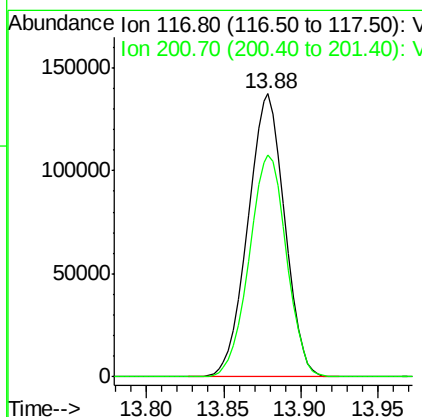
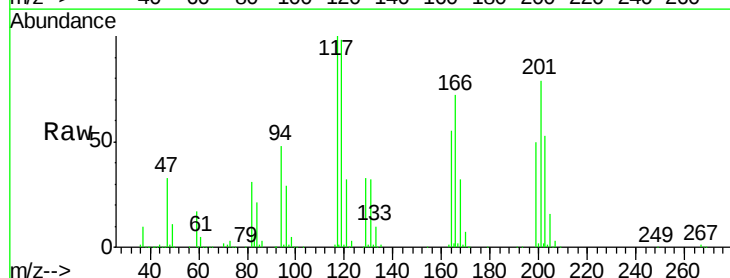
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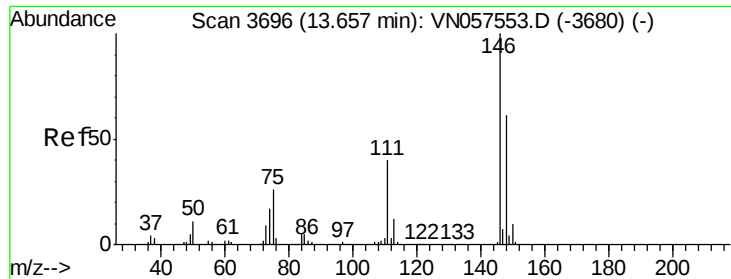
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#90
Hexachloroethane
Concen: 39.380 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057609.D
Acq: 31 Aug 2019 00:16

Tgt Ion: 117 Resp: 227592
Ion Ratio Lower Upper
117 100
201 79.5 33.1 99.3





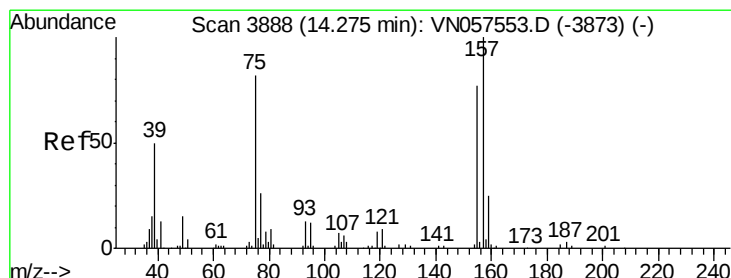
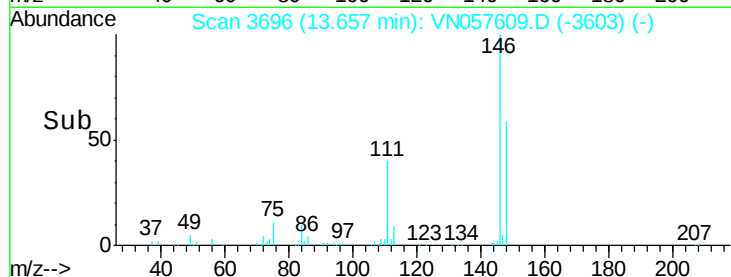
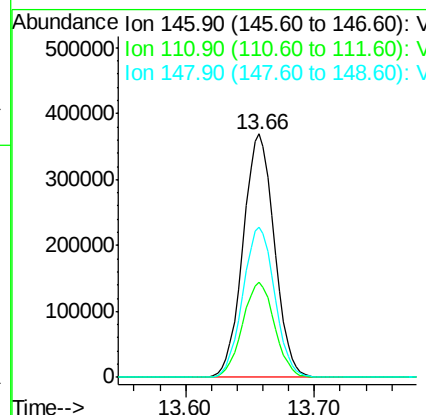
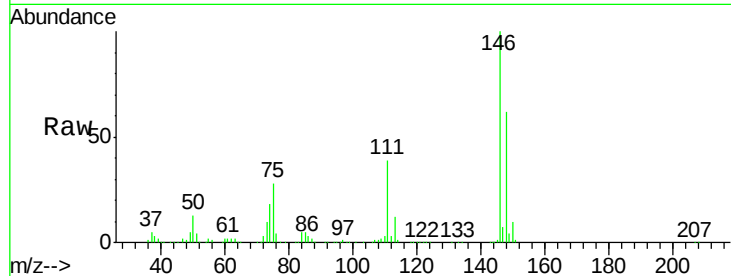
#91
 1,2-Dichlorobenzene
 Concen: 53.714 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	23.1	69.2
148	62.7	31.8	95.4

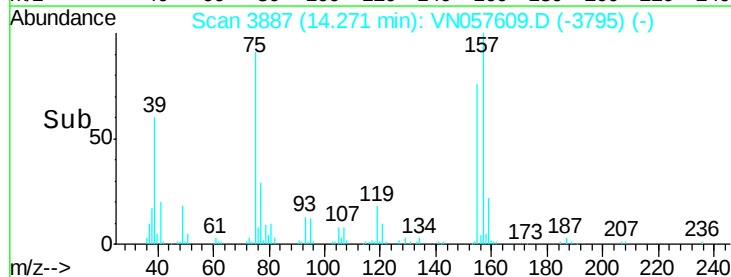
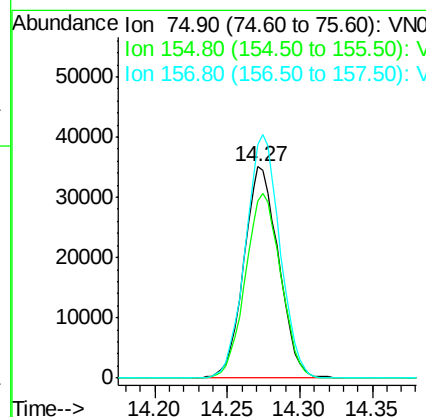
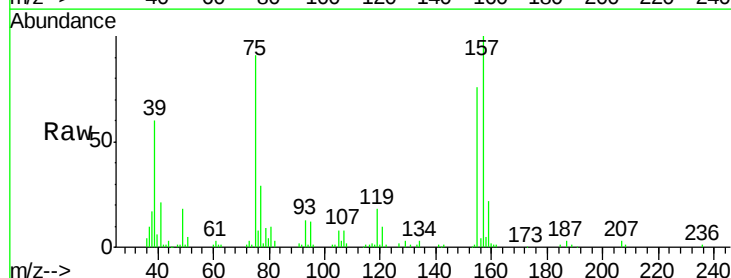
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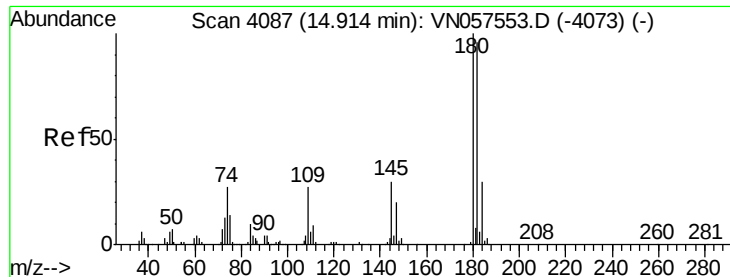
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.822 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	31.6	94.7
157	114.0	43.3	129.8





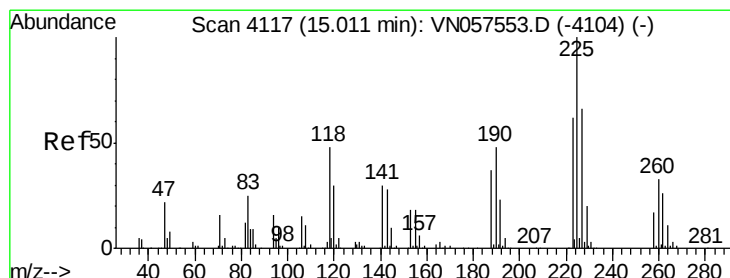
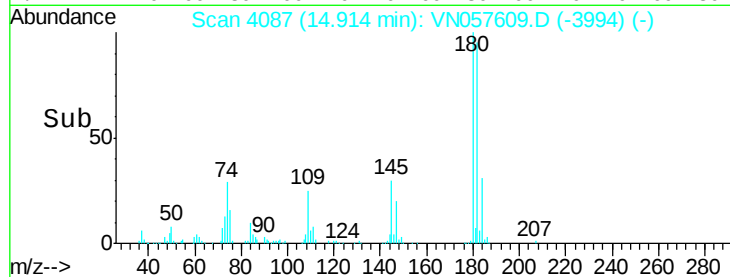
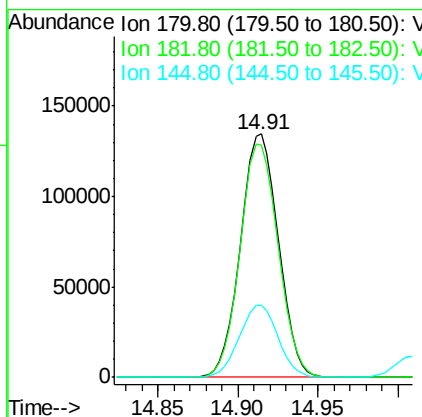
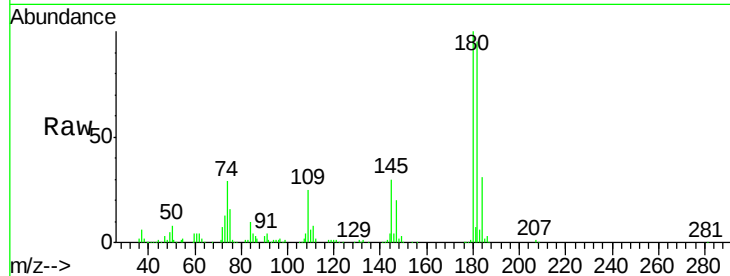
#93
 1,2,4-Trichlorobenzene
 Concen: 45.537 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	217460		
182	96.5	46.7	140.1	
145	30.2	15.6	46.8	

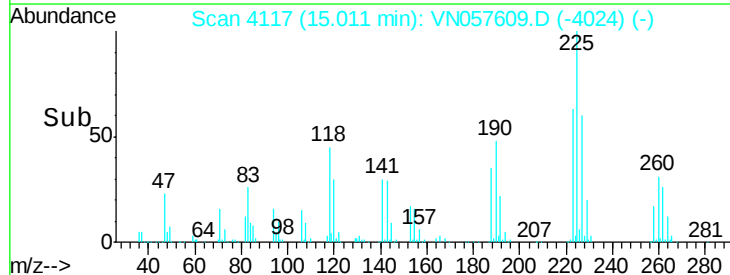
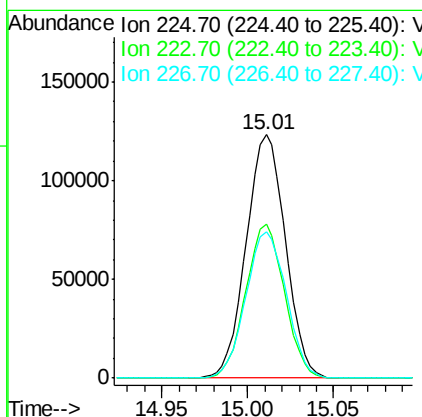
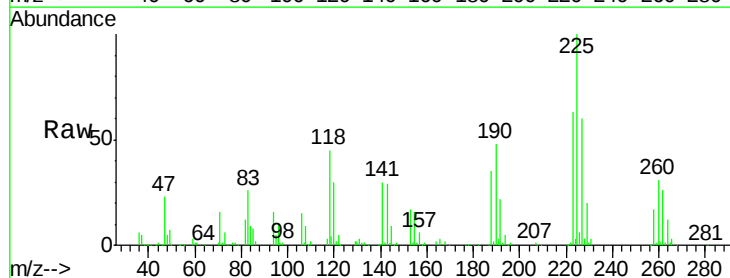
Manual Integrations
 APPROVED

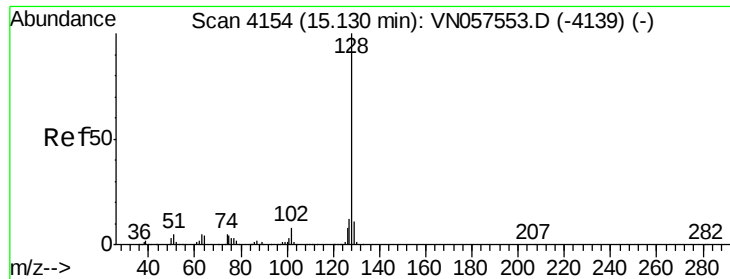
MMDadoda
 8/31/2019 11:28:58 AM



#94
 Hexachlorobutadiene
 Concen: 51.003 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057609.D
 Acq: 31 Aug 2019 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	195122		
223	62.2	32.0	96.2	
227	62.1	31.5	94.5	





#95

Naphthalene

Concen: 53.808 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Instrument :

MSVOA_N

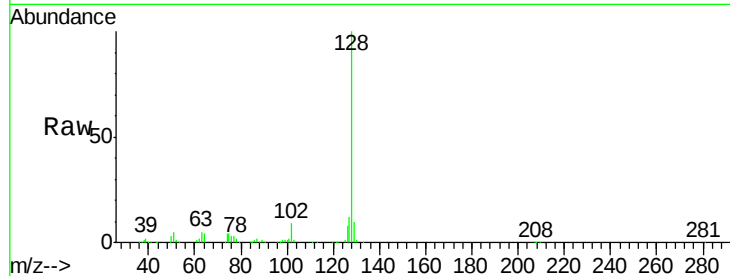
ClientSampleId :

VSTDCCC050EC

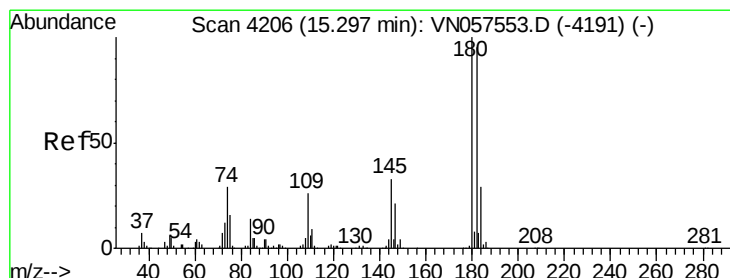
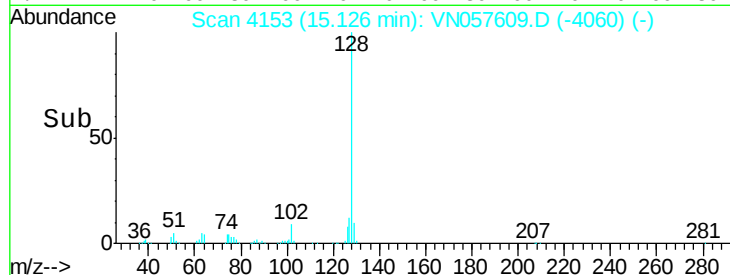
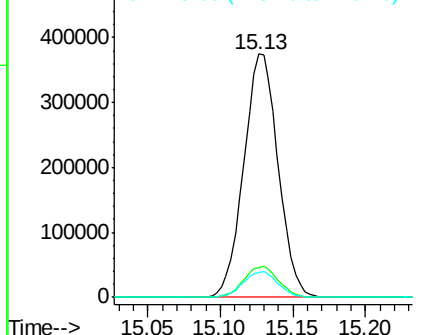
Tot Ion:	128	Resp:	618047
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/31/2019 11:28:58 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 54.521 ug/l

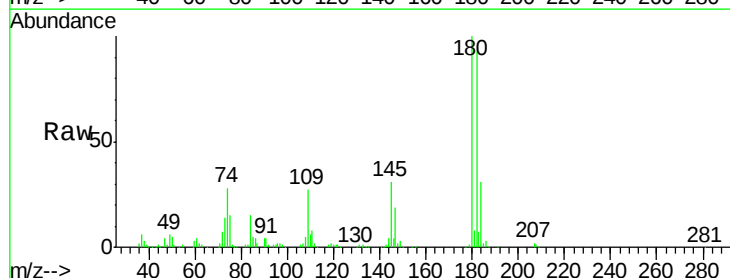
RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057609.D

Acq: 31 Aug 2019 00:16

Tgt Ion:	180	Resp:	213891
Ion Ratio	Lower	Upper	
180	100		
182	94.2	46.7	140.1
145	32.3	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

