

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008230.D
 Acq On : 20 Mar 2019 09:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 2:50:33 PM

Quant Time: Mar 22 05:59:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	333392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	529340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	474401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	220562	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
35) Dibromofluoromethane	5.49	113	166020	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
50) Toluene-d8	8.71	98	644789	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.13	95	233310	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	209336	51.790	ug/l	99
3) Chloromethane	1.33	50	231011	45.547	ug/l	97
4) Vinyl Chloride	1.41	62	238708	47.204	ug/l	100
5) Bromomethane	1.64	94	198144	45.998	ug/l	100
6) Chloroethane	1.72	64	143153	45.149	ug/l	100
7) Trichlorofluoromethane	1.93	101	296418	45.930	ug/l	99
8) Diethyl Ether	2.19	74	164562	49.561	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	232484	54.258	ug/l	91
10) Methyl Iodide	2.51	142	285635	52.355	ug/l	97
11) Tert butyl alcohol	3.04	59	258951	240.905	ug/l	98
12) 1,1-Dichloroethene	2.37	96	218866	54.105	ug/l	91
13) Acrolein	2.29	56	175348	230.878	ug/l	100
14) Allyl chloride	2.73	41	445370	50.576	ug/l	94
15) Acrylonitrile	3.14	53	701574	246.759	ug/l	99
16) Acetone	2.44	43	811860	285.080	ug/l	97
17) Carbon Disulfide	2.57	76	633135	47.977	ug/l	100
18) Methyl Acetate	2.77	43	338951	51.411	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	745521	50.971	ug/l	98
20) Methylene Chloride	2.85	84	230775	48.596	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	215315	49.270	ug/l	92
22) Diisopropyl ether	3.85	45	876738	50.836	ug/l	# 88
23) Vinyl Acetate	3.81	43	3832773	259.212	ug/l	98
24) 1,1-Dichloroethane	3.70	63	446822	50.373	ug/l	99
25) 2-Butanone	4.67	43	1107928	263.554	ug/l	98
26) 2,2-Dichloropropane	4.59	77	346703	51.885	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	248690	49.919	ug/l	91
28) Bromochloromethane	5.01	49	189979	47.697	ug/l	83
29) Tetrahydrofuran	5.13	42	671658	255.585	ug/l	97
30) Chloroform	5.21	83	421709	50.825	ug/l	100
31) Cyclohexane	5.58	56	440359	52.868	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	355169	51.457	ug/l	96
36) 1,1-Dichloropropene	5.80	75	332235	53.909	ug/l	97
37) Ethyl Acetate	4.83	43	392638	53.895	ug/l	98
38) Carbon Tetrachloride	5.79	117	299229	54.493	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	418132	56.379	ug/l	92
40) Benzene	6.14	78	969222	53.135	ug/l	99
41) Methacrylonitrile	5.04	41	221962	54.316	ug/l	97
42) 1,2-Dichloroethane	6.19	62	350451	52.446	ug/l	96
43) Isopropyl Acetate	6.44	43	636492	54.506	ug/l	97
44) Trichloroethene	7.21	130	236493	53.024	ug/l	91
45) 1,2-Dichloropropane	7.51	63	269177	52.714	ug/l	99
46) Dibromomethane	7.66	93	160624	51.953	ug/l	87
47) Bromodichloromethane	7.90	83	319780	54.272	ug/l	100
48) Methyl methacrylate	7.77	41	337412	54.342	ug/l	94
49) 1,4-Dioxane	7.74	88	109521	999.567	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	2040060	270.231	ug/l	98
52) Toluene	8.78	92	584551	54.017	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	371593	50.348	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	403532	55.184	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	237719	54.369	ug/l	98
56) Ethyl methacrylate	9.18	69	395822	51.594	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	421236	54.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	847981	236.710	ug/l	94
59) 2-Hexanone	9.49	43	1576599	271.263	ug/l	96
60) Dibromochloromethane	9.58	129	237731	56.576	ug/l	98
61) 1,2-Dibromoethane	9.67	107	247979	54.317	ug/l	98
64) Tetrachloroethene	9.34	164	233031	54.447	ug/l	96
65) Chlorobenzene	10.13	112	616873	52.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	222446	54.656	ug/l	98
67) Ethyl Benzene	10.25	91	1120466	54.470	ug/l	97
68) m/p-Xylenes	10.36	106	833014	110.241	ug/l	94
69) o-Xylene	10.69	106	402931	54.877	ug/l	95
70) Styrene	10.71	104	660723	55.371	ug/l	96
71) Bromoform	10.85	173	175569	50.063	ug/l #	99
73) Isopropylbenzene	11.02	105	1083766	54.257	ug/l	99
74) N-amyl acetate	10.90	43	549002	52.459	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	359265	50.159	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	375401m	59.560	ug/l	
77) Bromobenzene	11.26	156	256063	53.020	ug/l	87
78) n-propylbenzene	11.36	91	1283530	55.325	ug/l	96
79) 2-Chlorotoluene	11.42	91	738278	53.020	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	901933	54.655	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	120852	48.913	ug/l	94
82) 4-Chlorotoluene	11.51	91	867446	53.534	ug/l	95
83) tert-Butylbenzene	11.77	119	854437	54.232	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	907755	54.260	ug/l	98
85) sec-Butylbenzene	11.94	105	1077267	55.214	ug/l	97
86) p-Isopropyltoluene	12.06	119	936264	55.437	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	458963	53.176	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	461100	51.648	ug/l	98
89) n-Butylbenzene	12.38	91	888932	56.080	ug/l	97
90) Hexachloroethane	12.60	117	160541	55.815	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	452030	51.942	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	79145	49.750	ug/l	79

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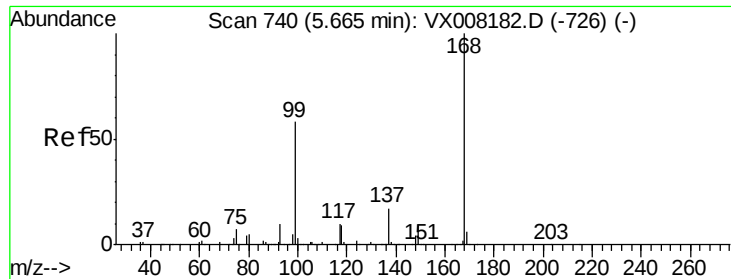
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	309277	53.954	ug/l	99
94) Hexachlorobutadiene	13.78	225	155028	55.453	ug/l	99
95) Naphthalene	13.83	128	962494	53.199	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	304090	53.913	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 333392

Ion Ratio Lower Upper

168 100

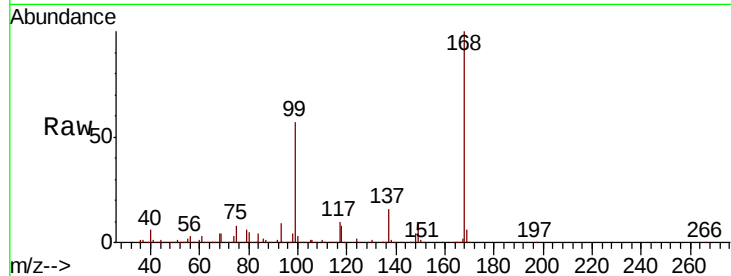
99 57.1 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

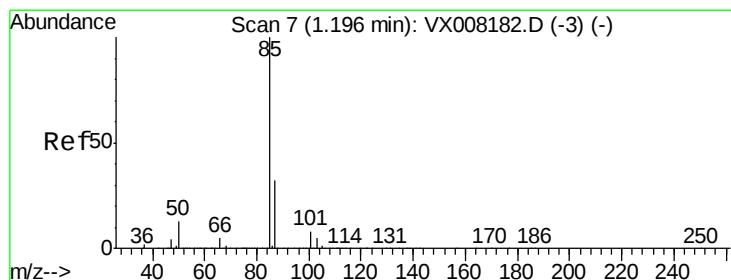
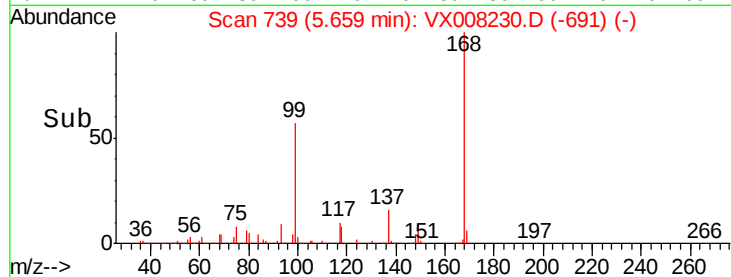
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50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.790 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008230.D

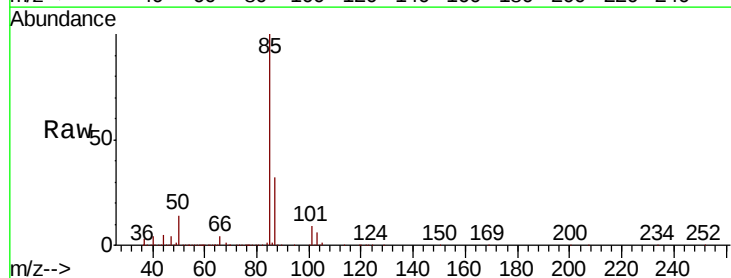
Acq: 20 Mar 2019 09:51

Tgt Ion: 85 Resp: 209336

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

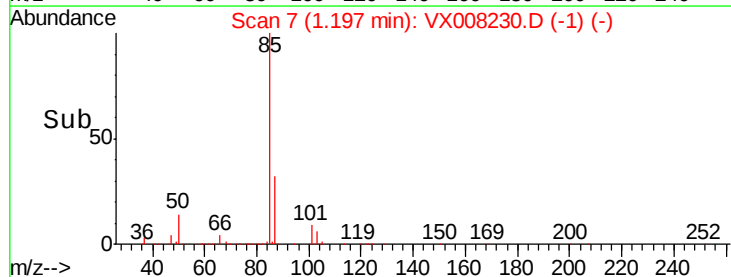
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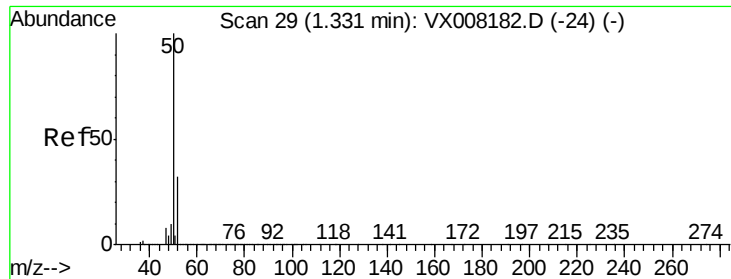
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.547 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 231011

Ion Ratio Lower Upper

50 100

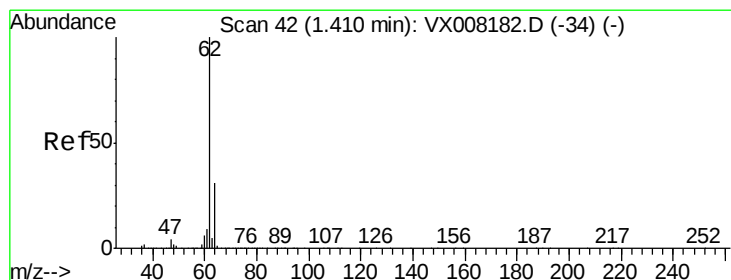
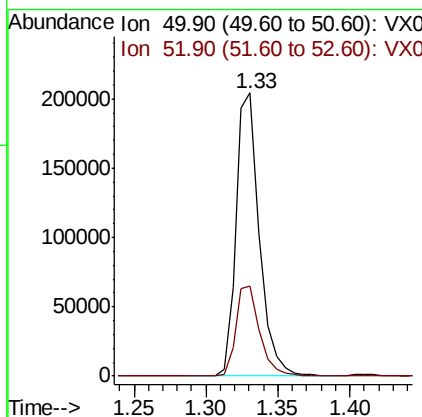
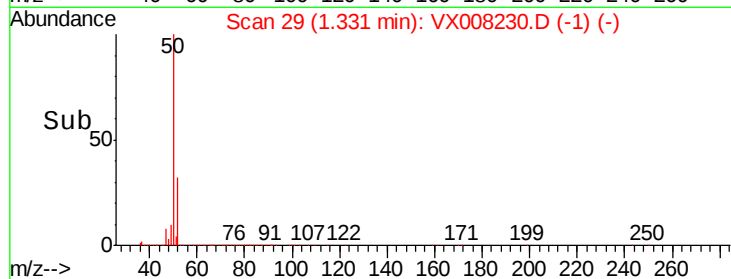
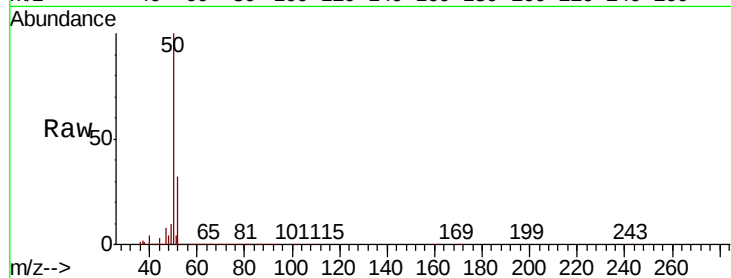
52 31.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 47.204 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008230.D

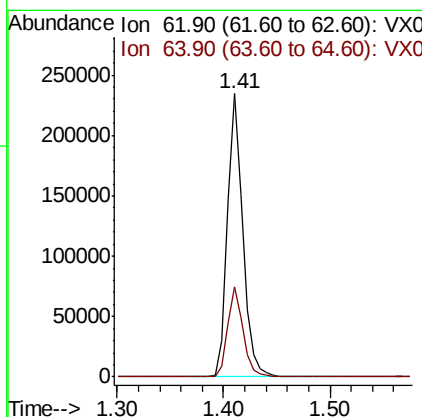
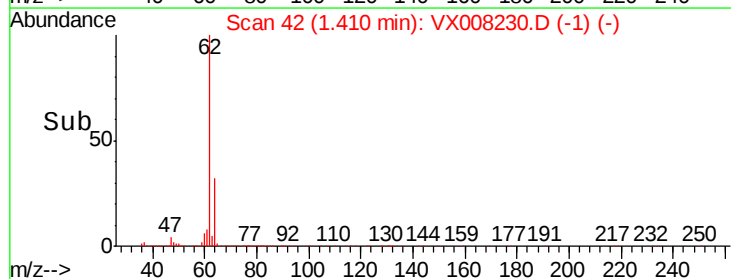
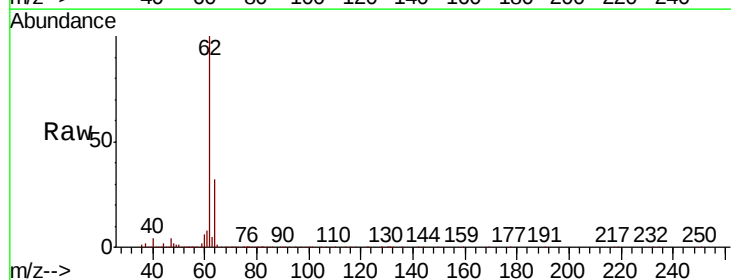
Acq: 20 Mar 2019 09:51

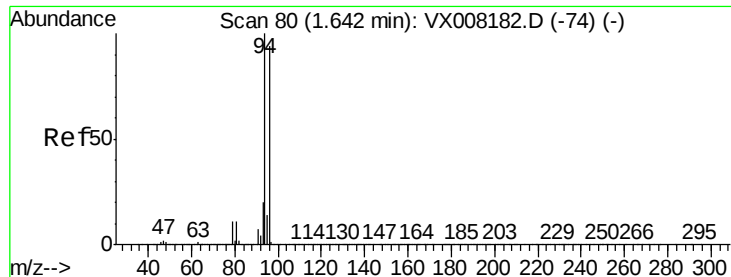
Tgt Ion: 62 Resp: 238708

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 45.998 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 198144

Ion Ratio Lower Upper

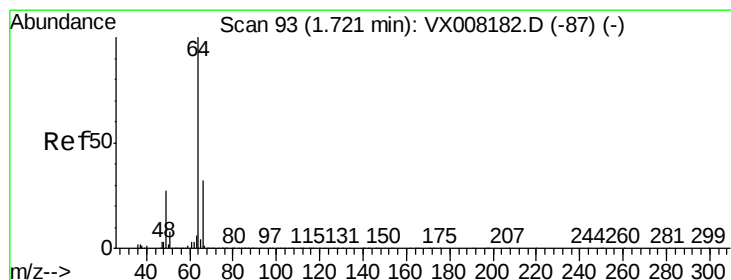
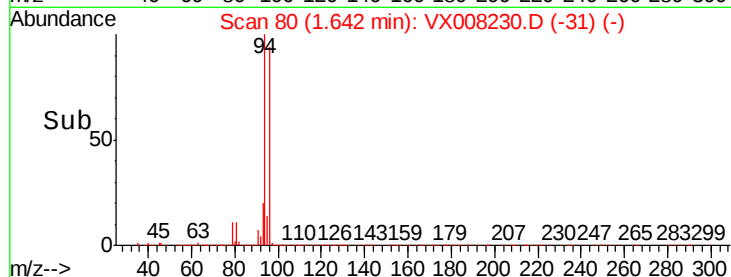
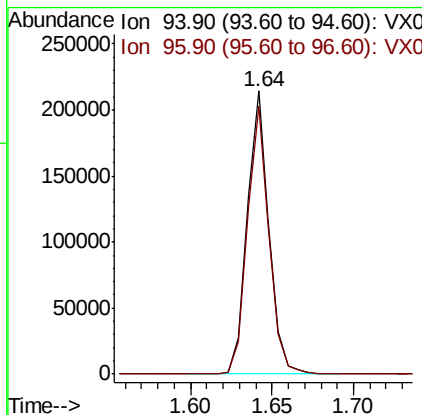
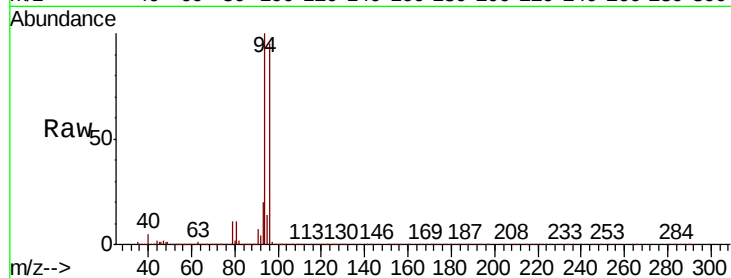
94 100

96 94.5 75.5 113.3

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#6

Chloroethane

Concen: 45.149 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008230.D

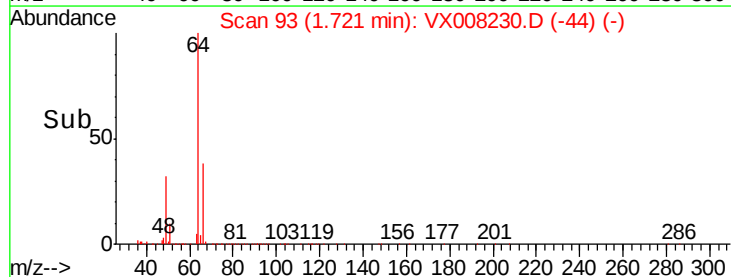
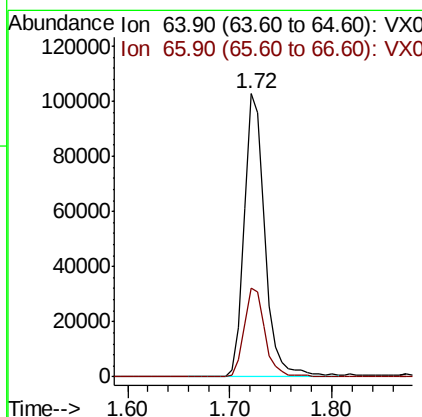
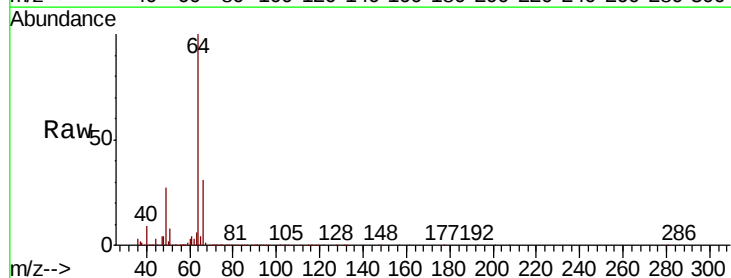
Acq: 20 Mar 2019 09:51

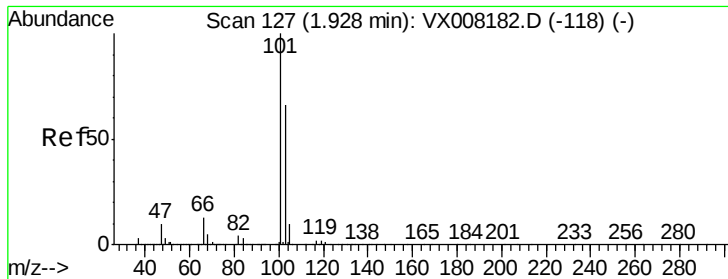
Tgt Ion: 64 Resp: 143153

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8





#7

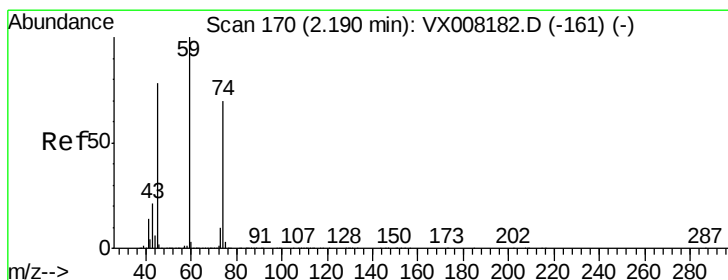
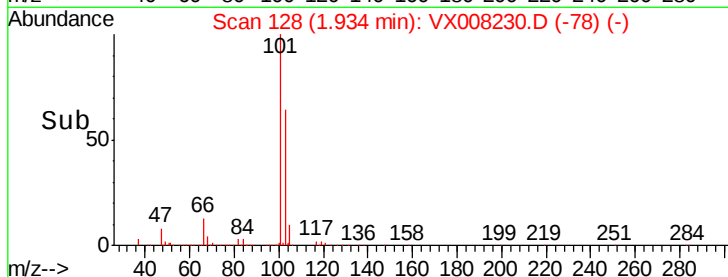
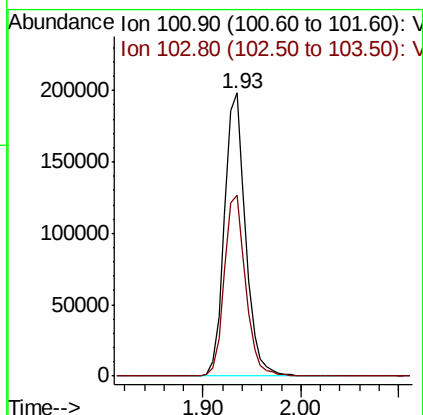
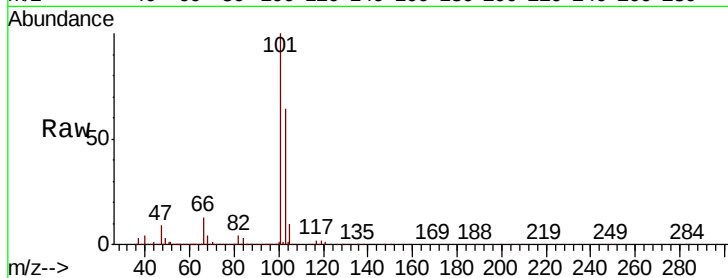
Trichlorofluoromethane
Concen: 45.930 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.4	75.6

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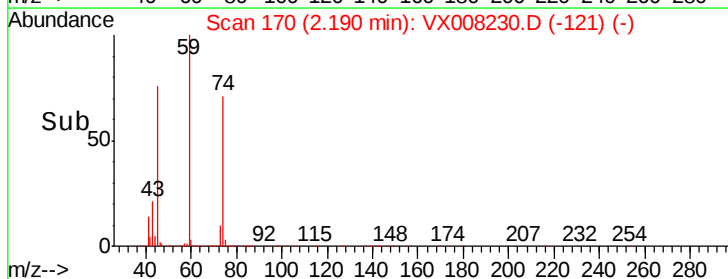
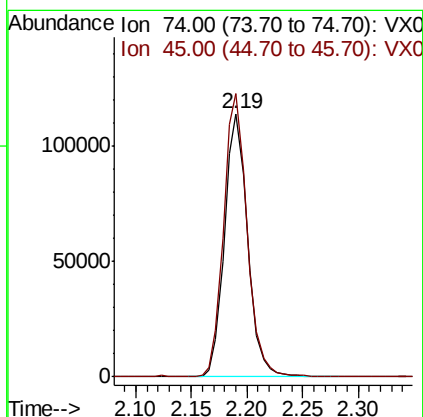
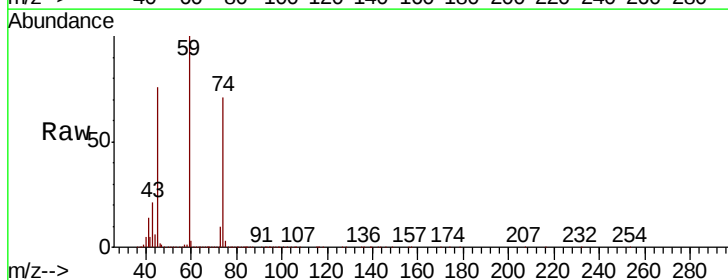
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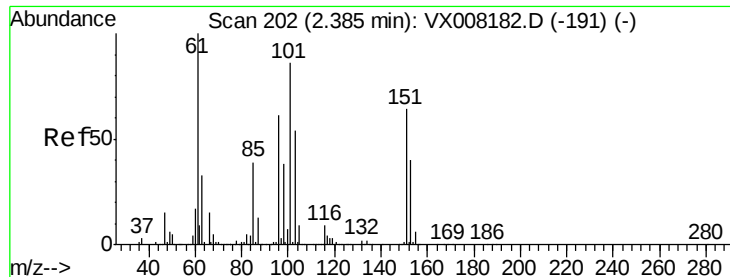


#8

Diethyl Ether
Concen: 49.561 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.258 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

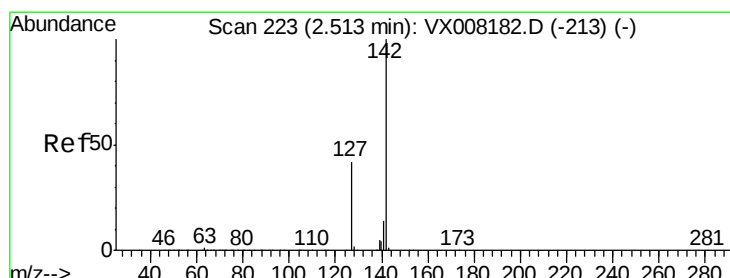
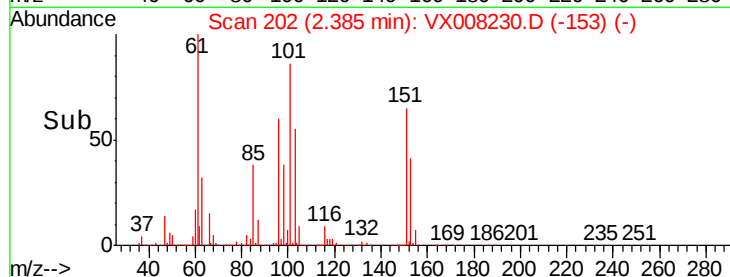
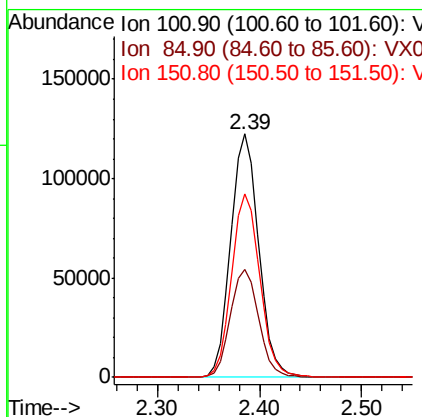
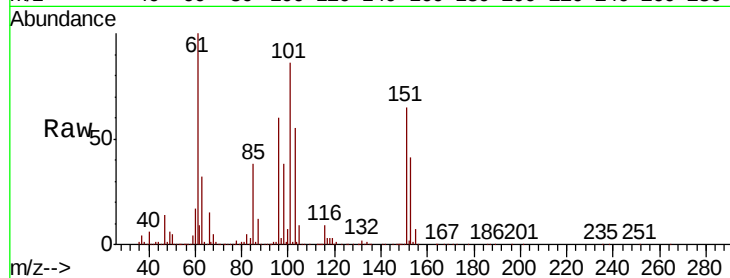
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	232484
Ion Ratio	Lower	Upper	
101	100		
85	44.9	33.8	50.6
151	76.1	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 52.355 ug/l

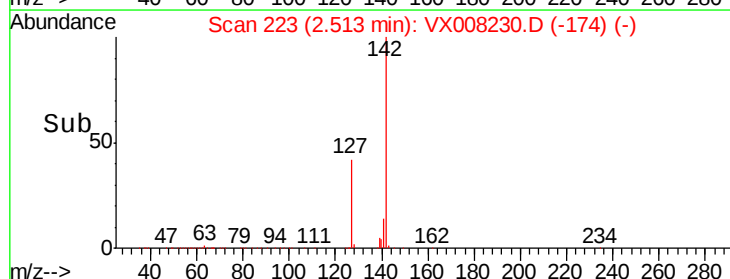
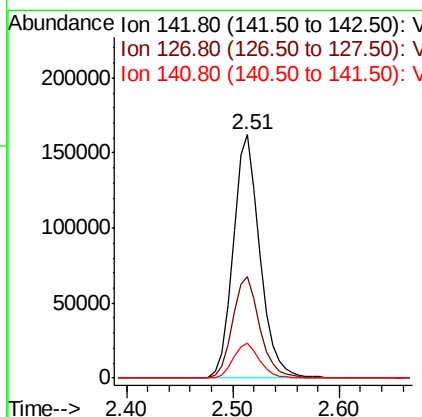
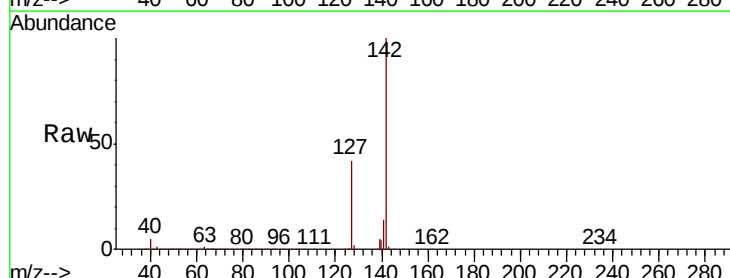
RT: 2.51 min Scan# 223

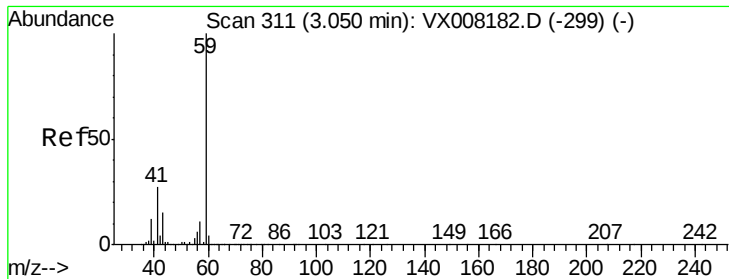
Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion:	142	Resp:	285635
Ion Ratio	Lower	Upper	
142	100		
127	42.5	32.1	48.1
141	14.4	11.4	17.2





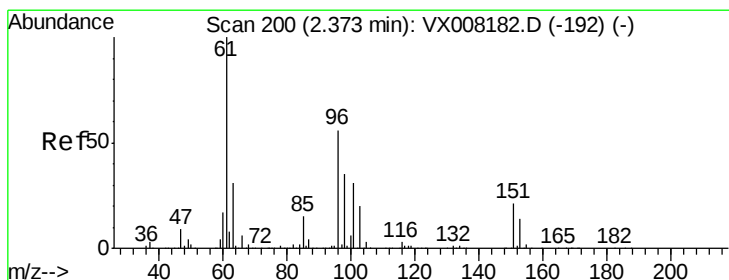
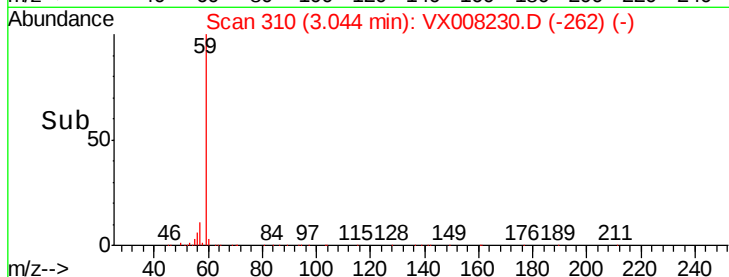
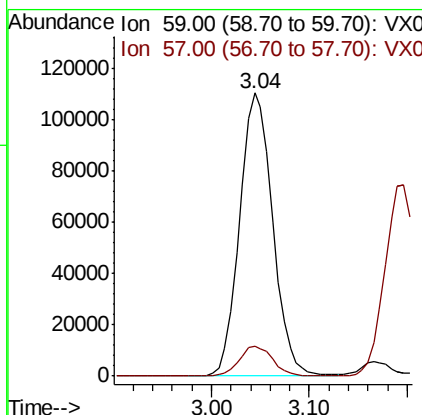
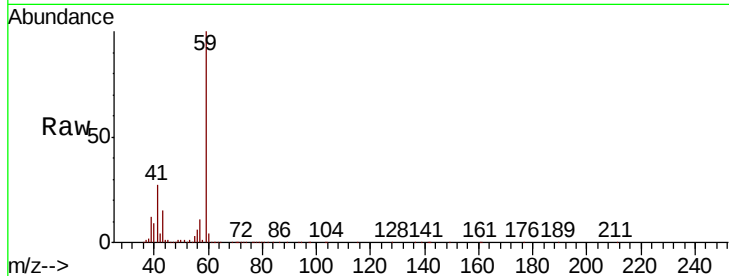
#11
Tert butyl alcohol
Concen: 240.905 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2

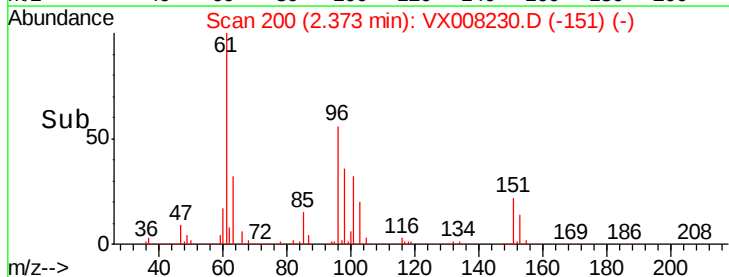
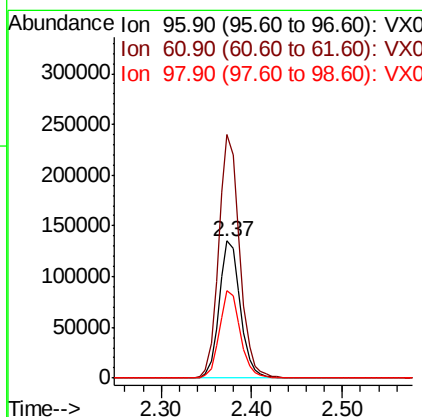
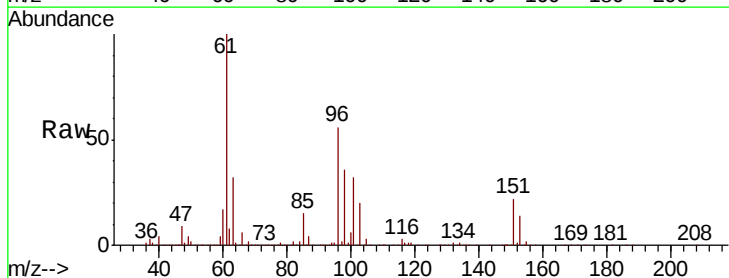
Manual Integrations
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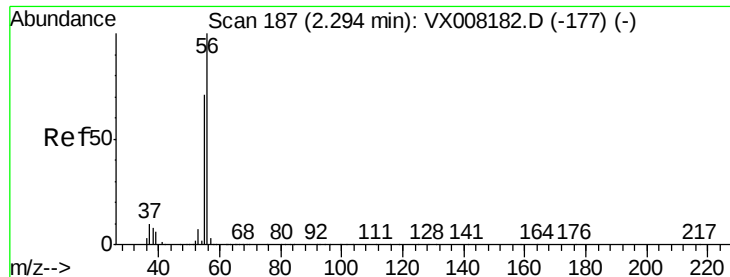
MMDadoda
3/22/2019 2:50:33 PM



#12
1,1-Dichloroethene
Concen: 54.105 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.8	129.8	194.6
98	63.5	51.0	76.6





#13

Acrolein

Concen: 230.878 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 175348

Ion Ratio Lower Upper

56 100

55 71.8

57.8

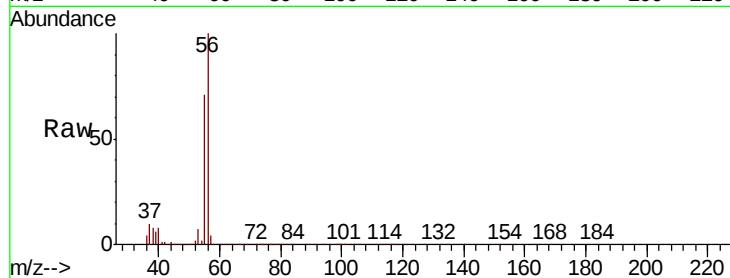
86.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

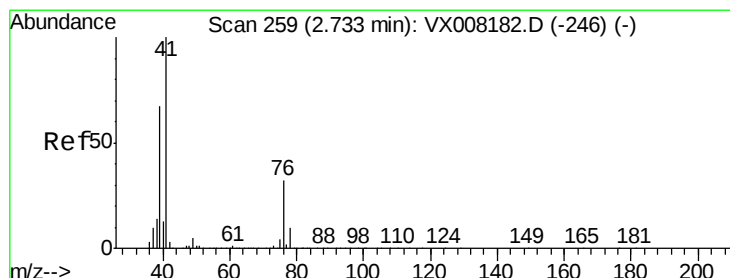
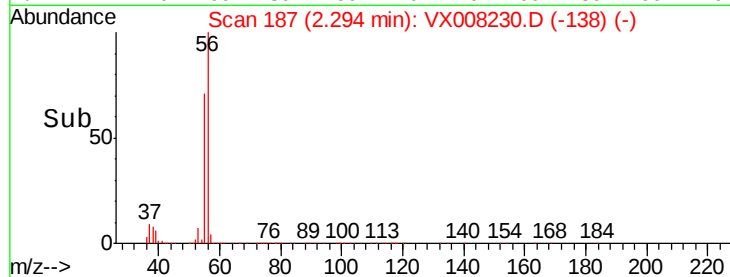
2.29

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 50.576 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion: 41 Resp: 445370

Ion Ratio Lower Upper

41 100

39 64.7

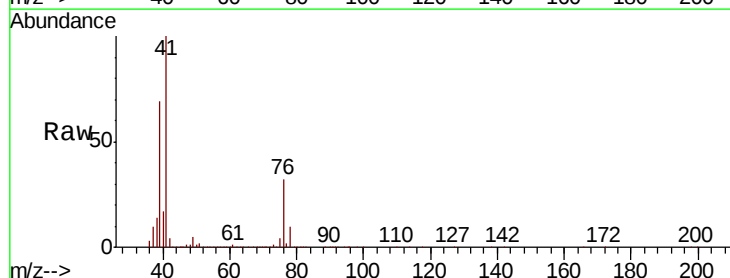
46.1

69.1

76 29.8

24.0

36.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

300000

250000

200000

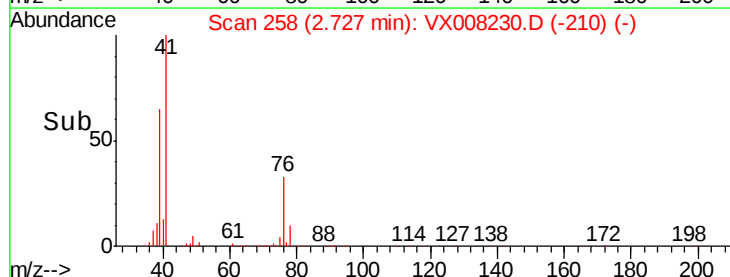
150000

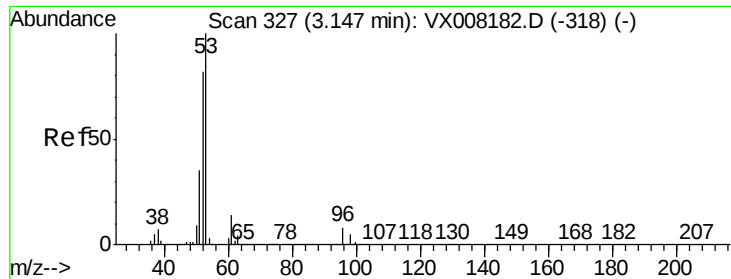
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 246.759 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

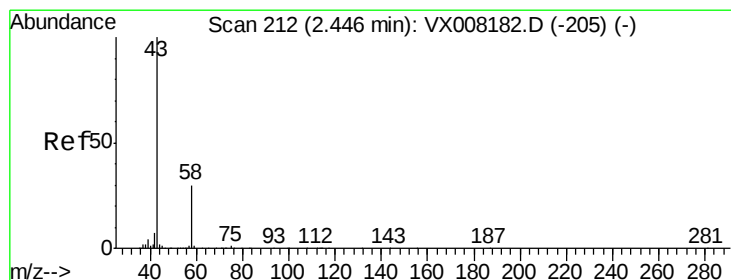
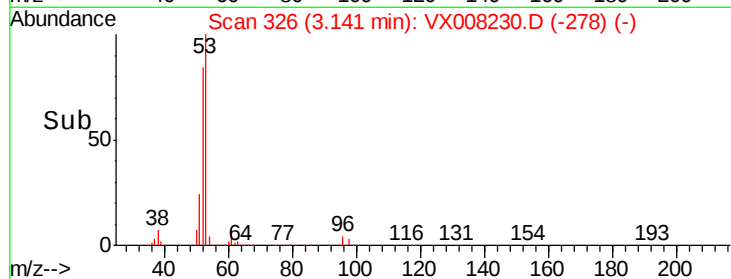
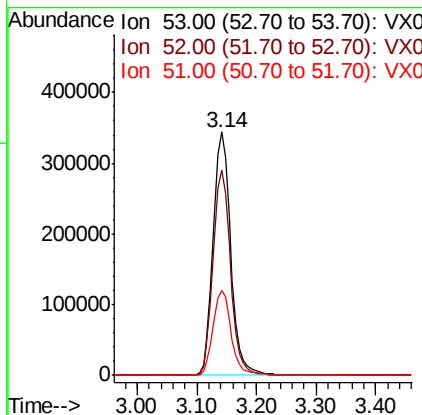
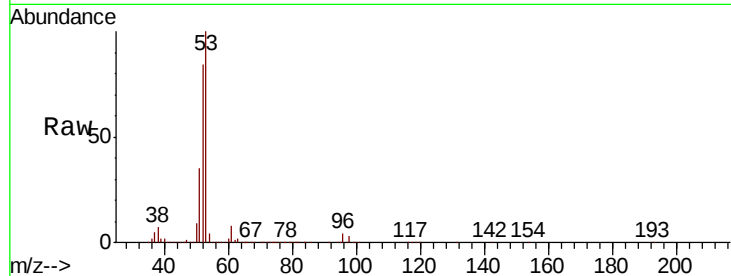
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	701574
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.0	99.0
51	35.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 285.080 ug/l

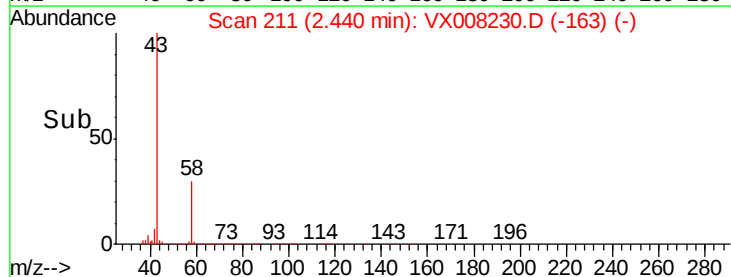
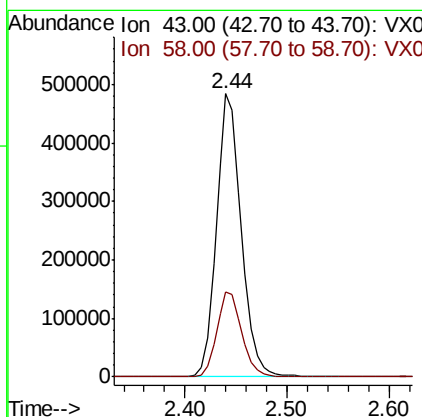
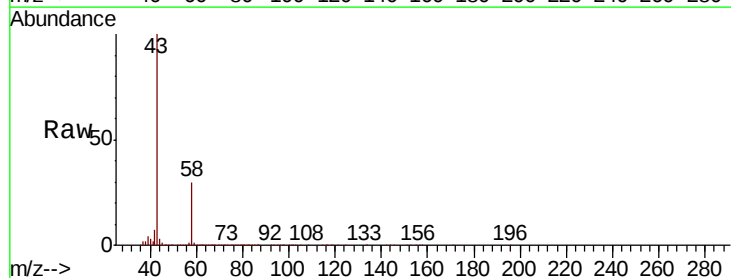
RT: 2.44 min Scan# 211

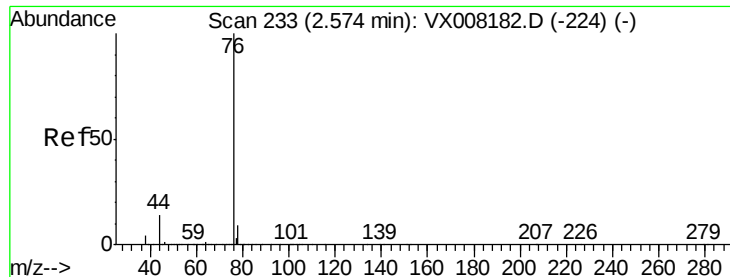
Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion:	43	Resp:	811860
Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.5	38.3





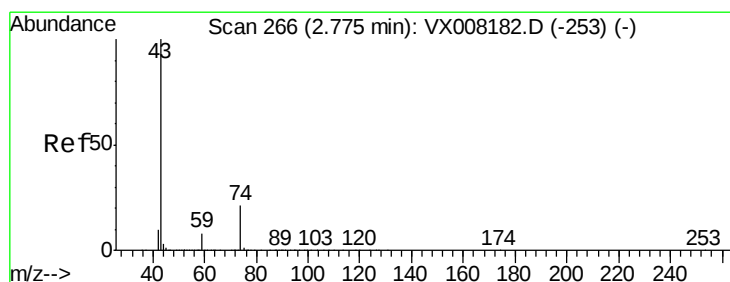
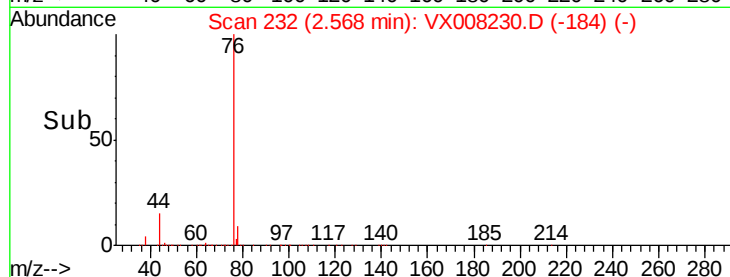
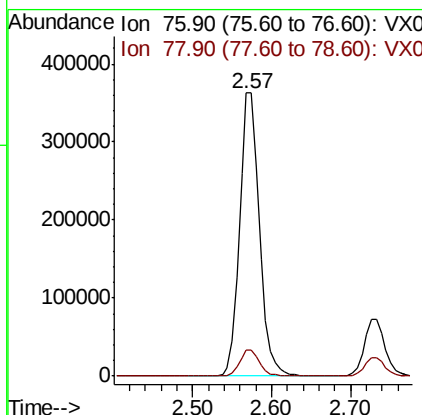
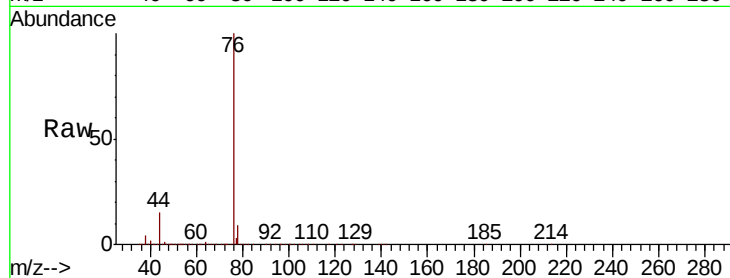
#17
Carbon Disulfide
Concen: 47.977 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

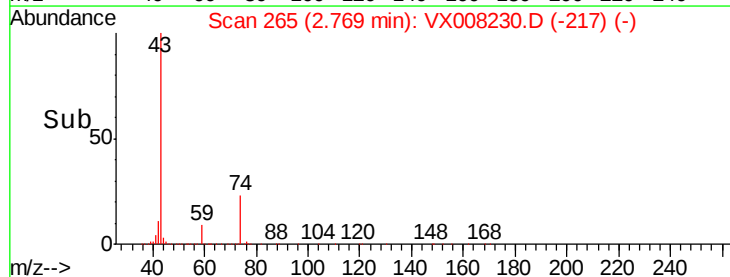
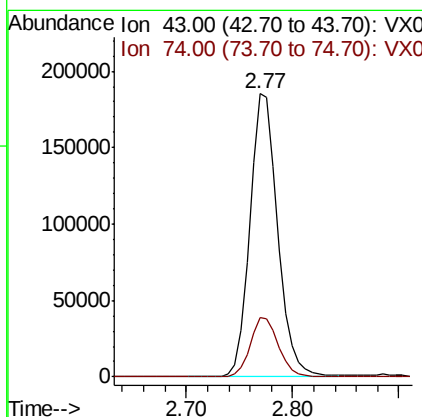
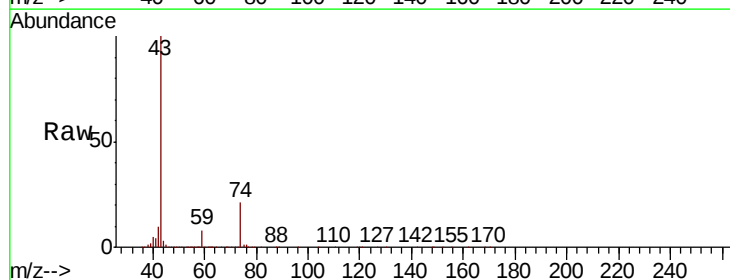
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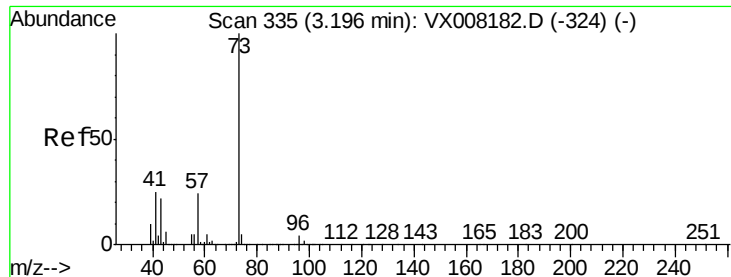
MMDadoda
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#18
Methyl Acetate
Concen: 51.411 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.8	26.6





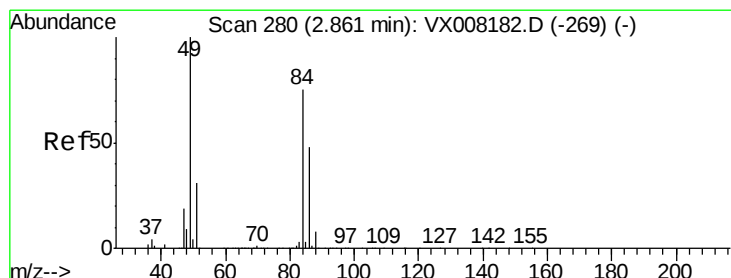
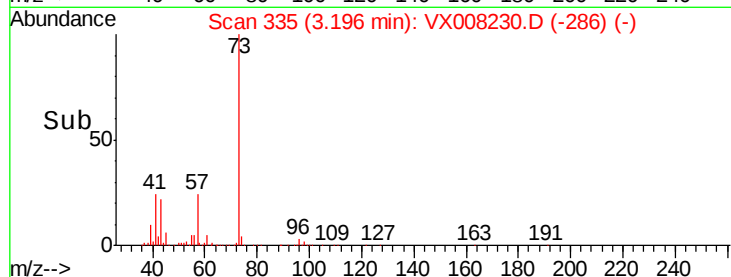
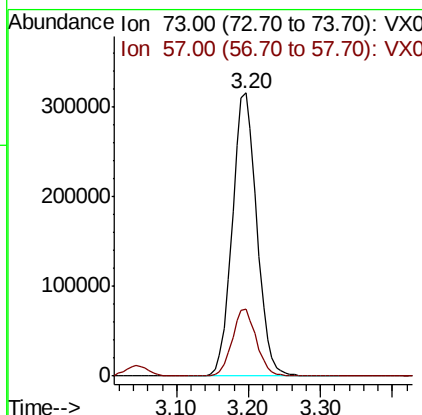
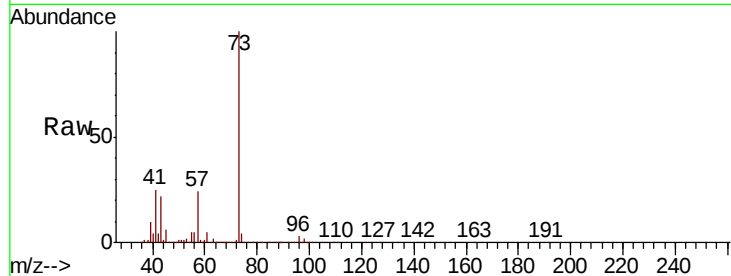
#19
Methyl tert-butyl Ether
Concen: 50.971 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.2	27.4

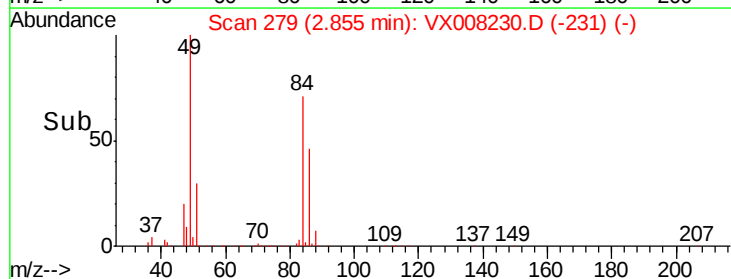
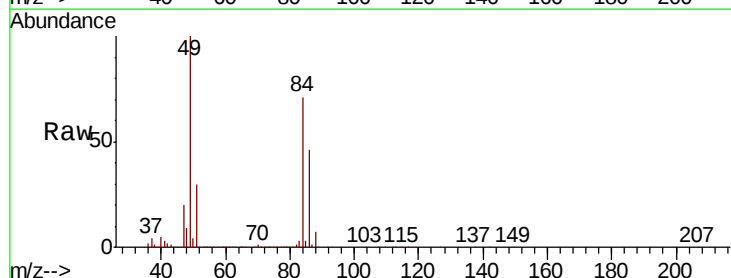
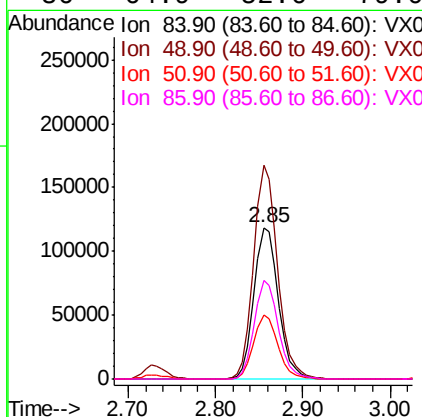
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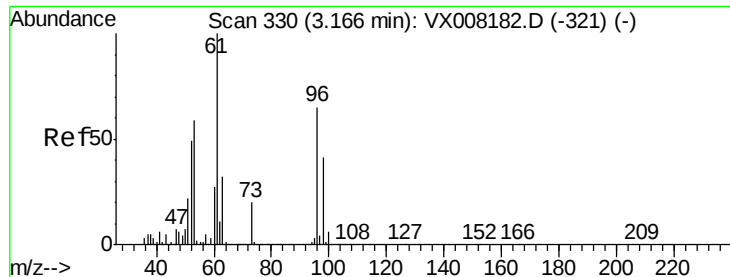
MMDadoda
3/22/2019 2:50:33 PM



#20
Methylene Chloride
Concen: 48.596 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.9	99.3	148.9
51	42.5	31.3	46.9
86	64.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 49.270 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

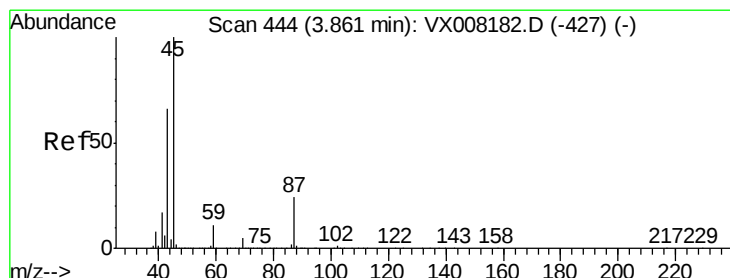
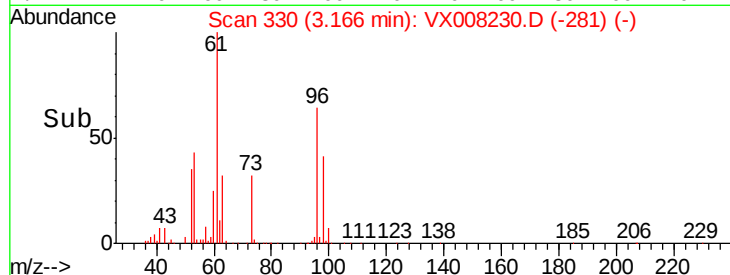
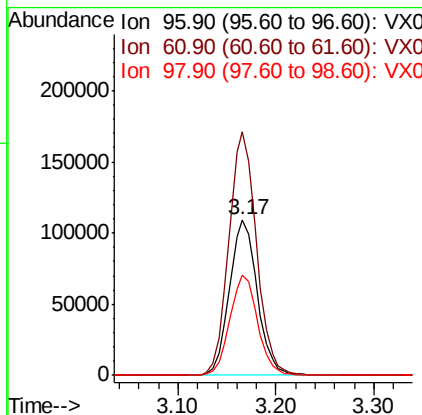
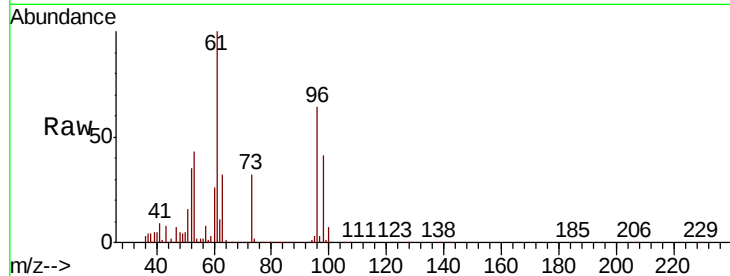
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	215315
Ion	Ratio	Lower	Upper
96	100		
61	156.3	114.4	171.6
98	64.3	51.1	76.7

Manual Integrations
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3/22/2019 2:50:33 PM



#22

Diisopropyl ether

Concen: 50.836 ug/l

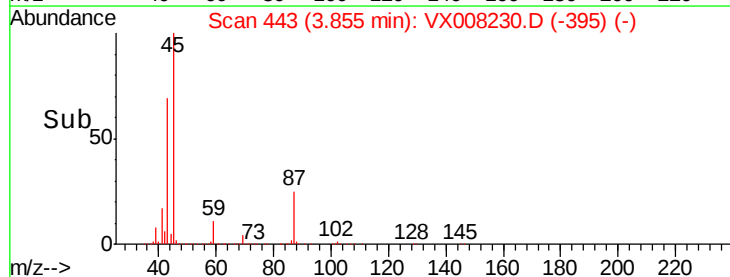
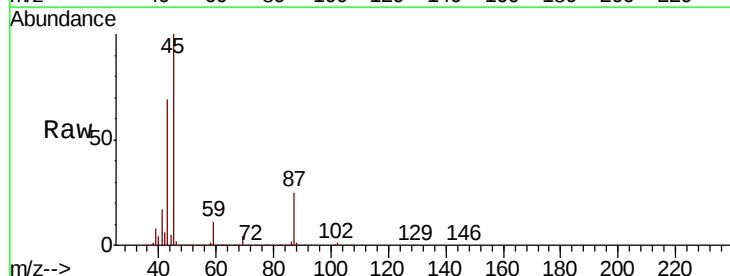
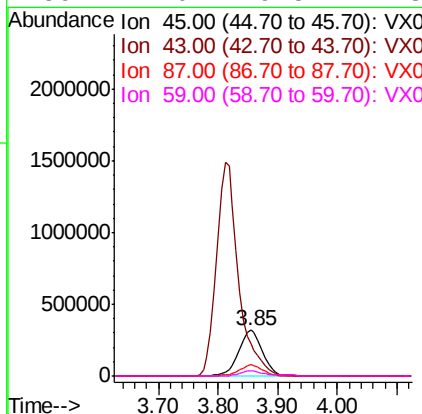
RT: 3.85 min Scan# 443

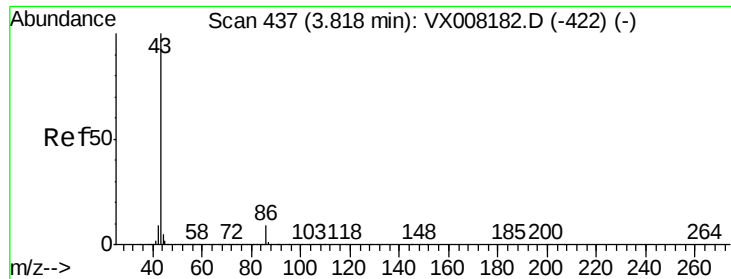
Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion:	45	Resp:	876738
Ion	Ratio	Lower	Upper
45	100		
43	69.2	45.3	67.9#
87	24.7	21.4	32.0
59	11.0	9.5	14.3





#23

Vinyl Acetate

Concen: 259.212 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3832773

Ion Ratio Lower Upper

43 100

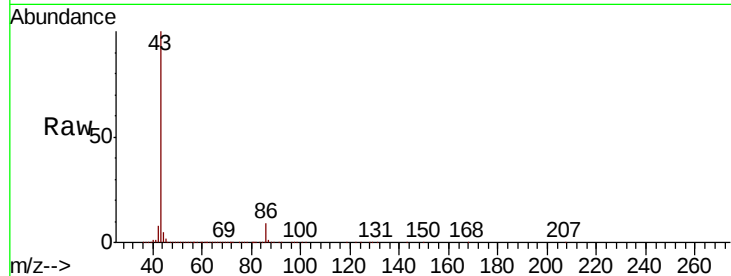
86 9.1 7.9 11.9

Manual Integrations

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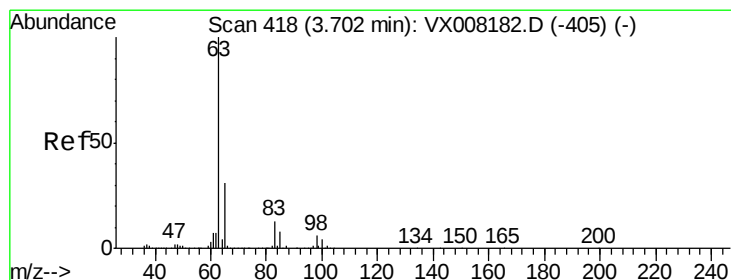
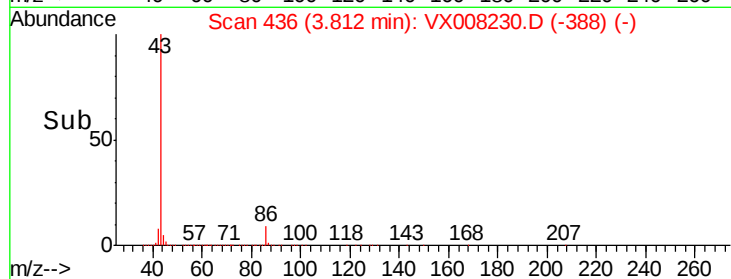
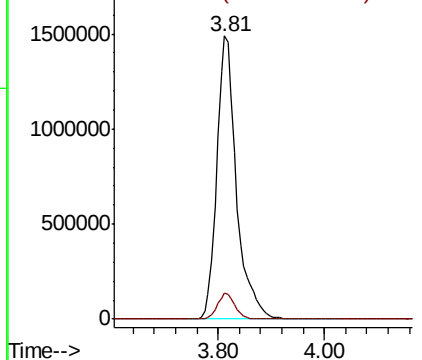
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.373 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

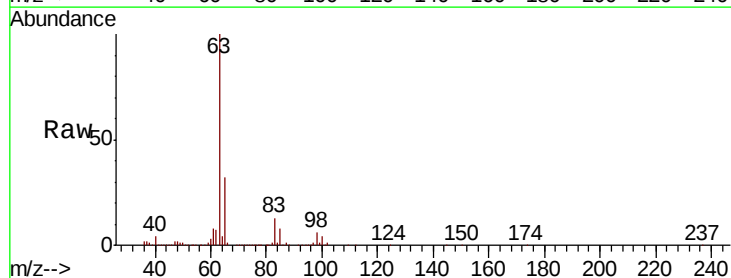
Tgt Ion: 63 Resp: 446822

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

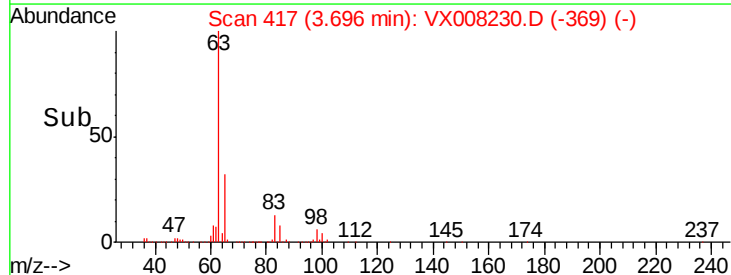
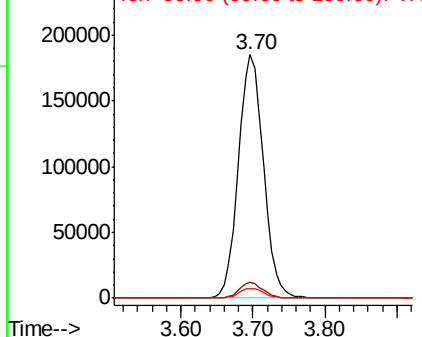
100 4.0 2.3 6.8

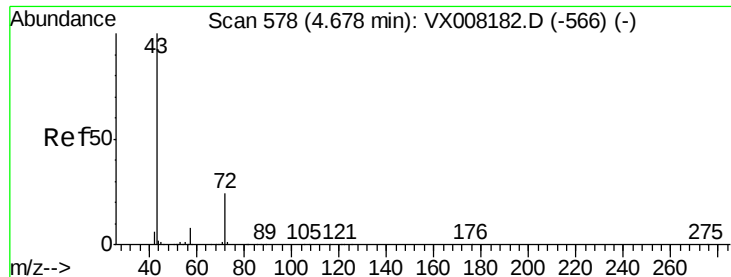


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 263.554 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1107928

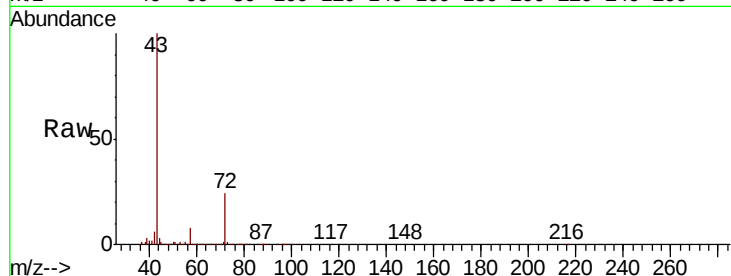
Ion Ratio Lower Upper

43 100

72 23.7 19.9 29.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

400000

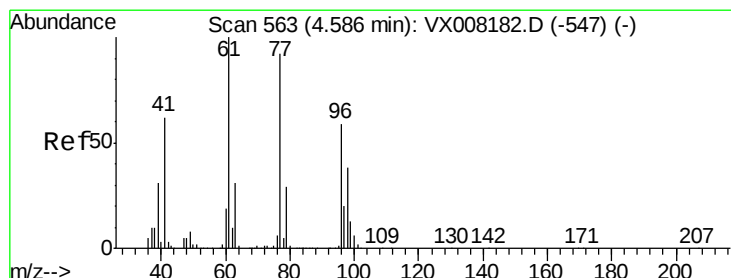
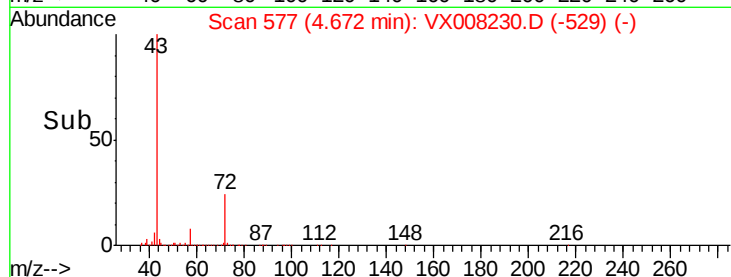
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 51.885 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008230.D

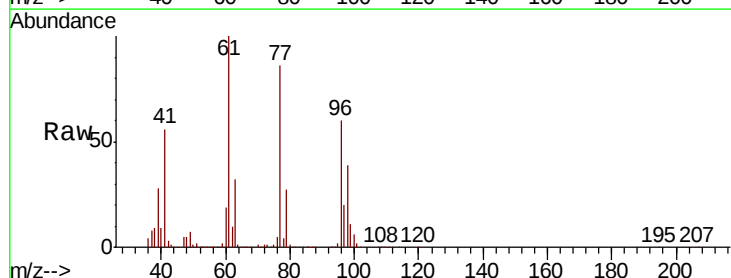
Acq: 20 Mar 2019 09:51

Tgt Ion: 77 Resp: 346703

Ion Ratio Lower Upper

77 100

97 22.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

120000

100000

80000

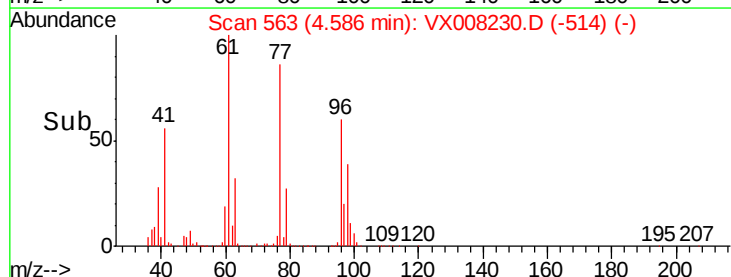
60000

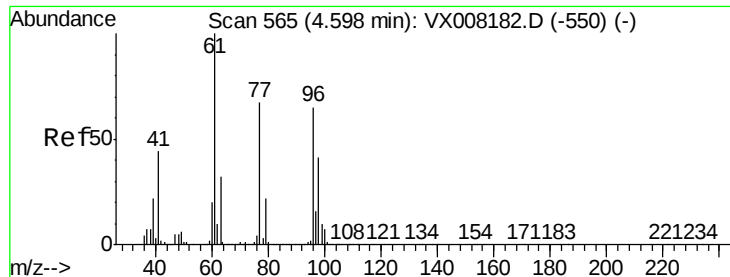
40000

20000

0

Time-->





#27

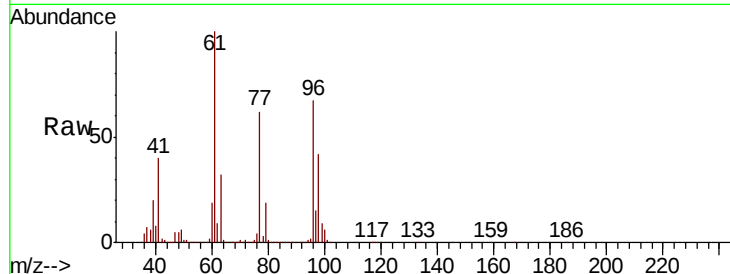
cis-1,2-Dichloroethene
Concen: 49.919 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

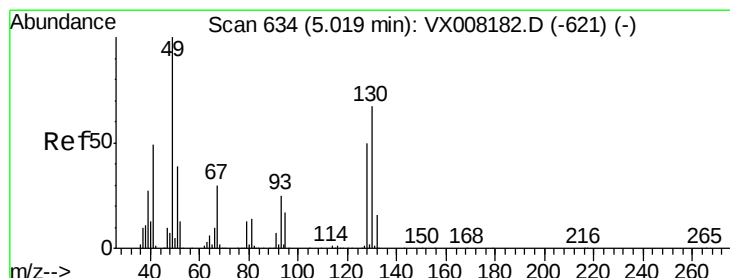
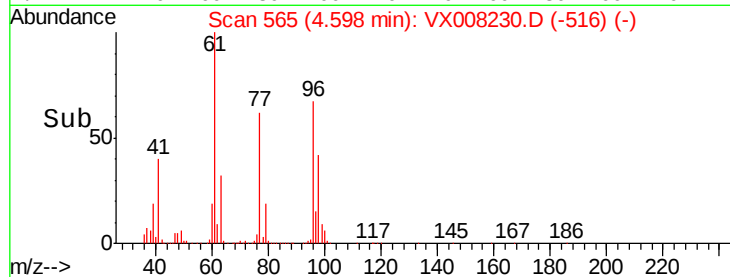
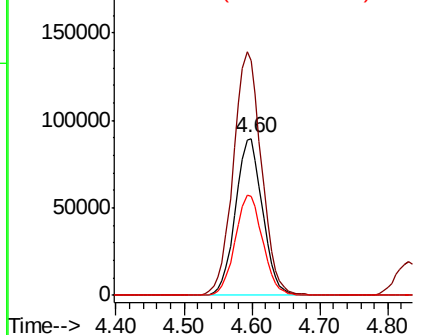
Tot Ion	Ratio	Resp	Lower	Upper
96	100	248690		
61	160.6	0.0	288.0	
98	64.5	0.0	129.0	

Manual Integrations
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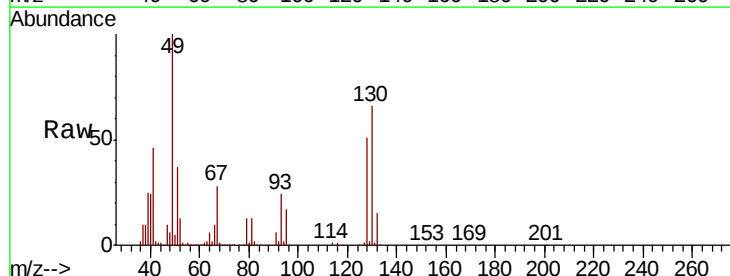
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



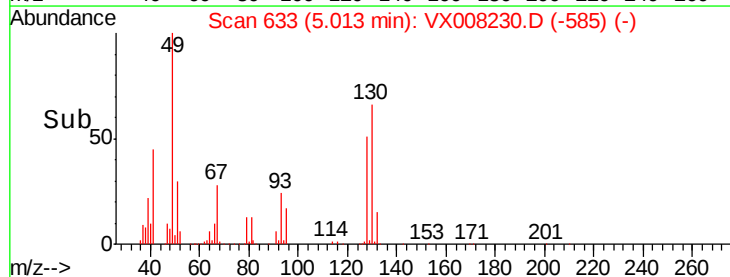
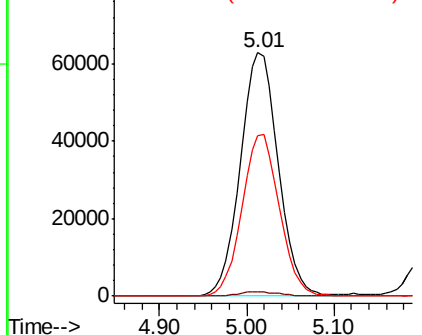
#28

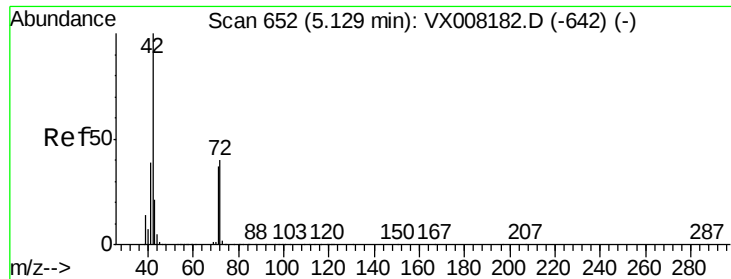
Bromochloromethane
Concen: 47.697 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	189979		
129	1.9	0.0	4.0	
130	65.3	65.0	97.4	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





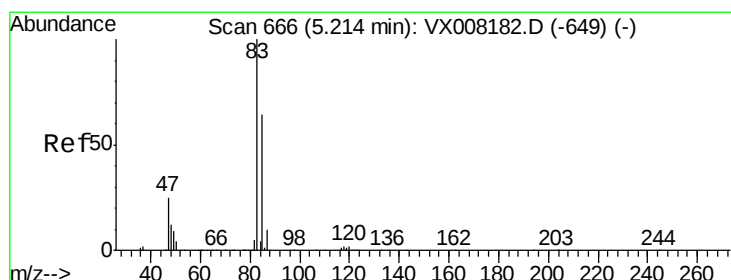
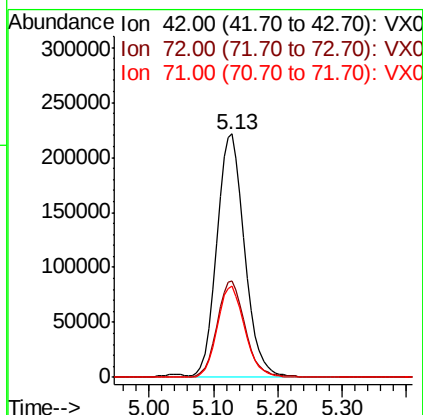
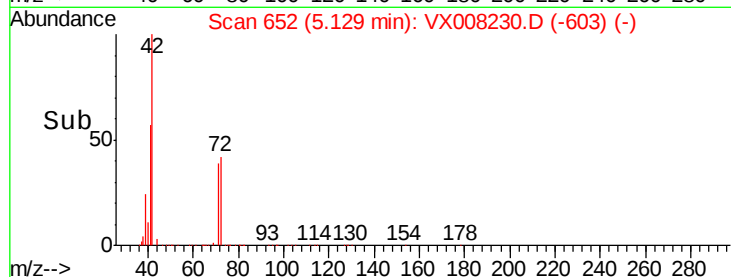
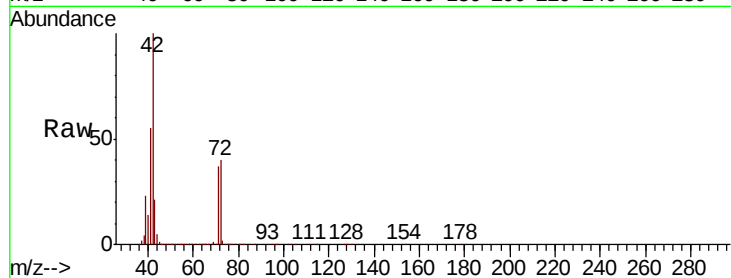
#29
Tetrahydrofuran
Concen: 255.585 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.8	50.6
71	37.4	31.5	47.3

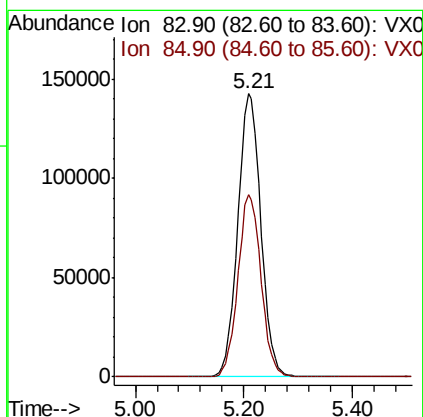
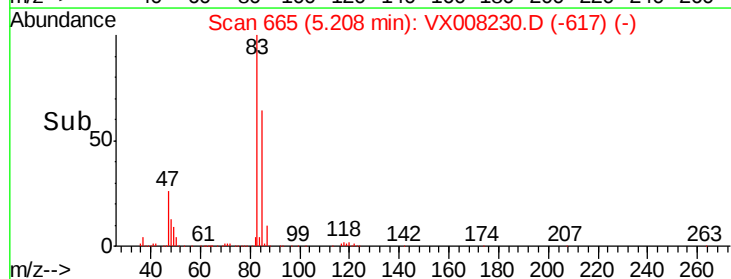
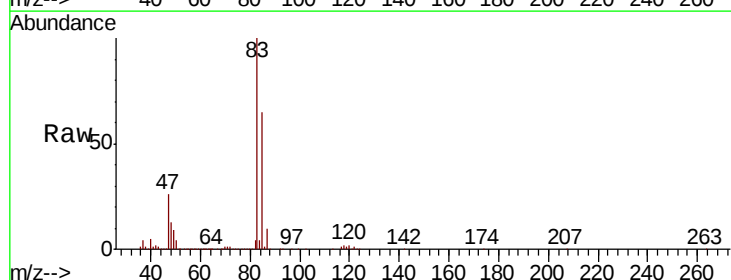
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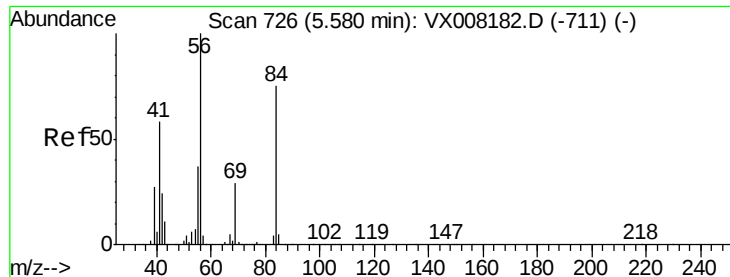
MMDadoda
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#30
Chloroform
Concen: 50.825 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6





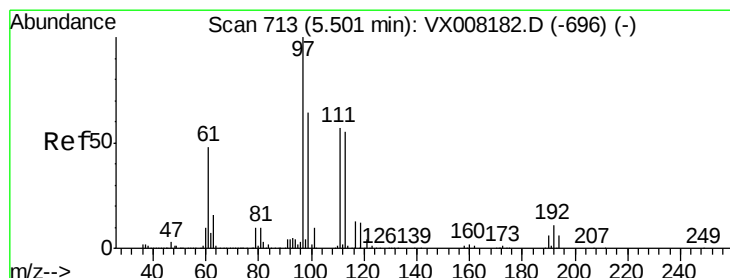
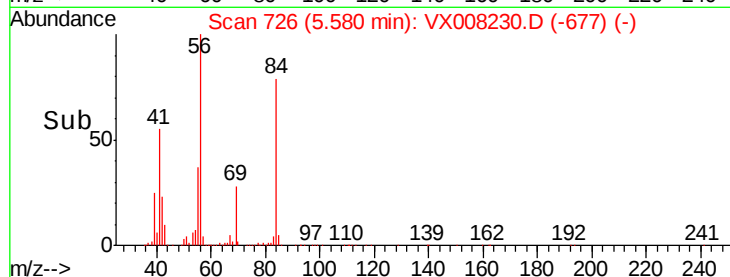
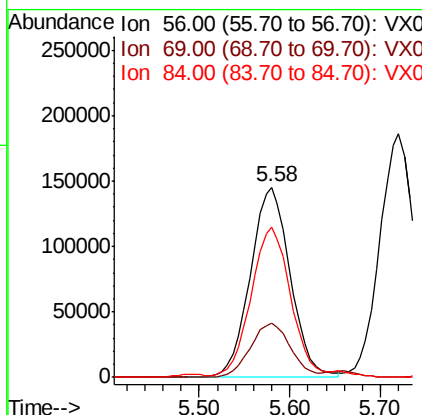
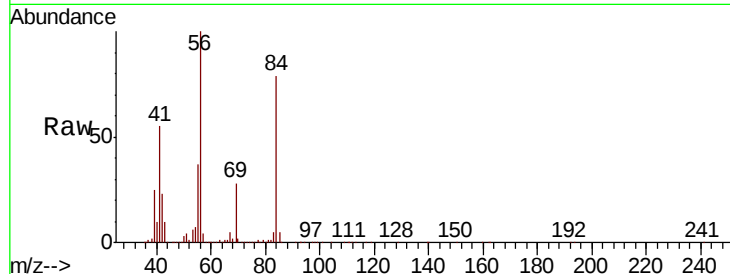
#31
Cyclohexane
Concen: 52.868 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	24.0	36.0
84	77.7	65.3	97.9

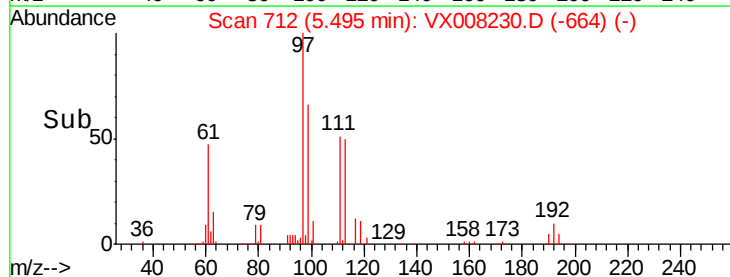
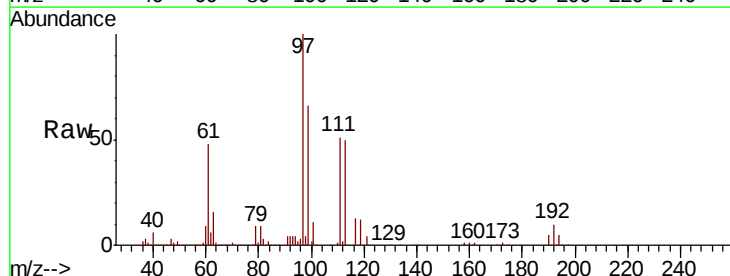
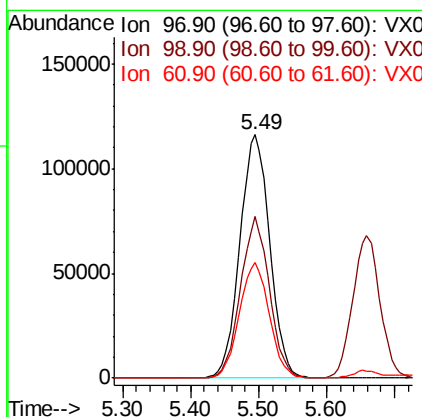
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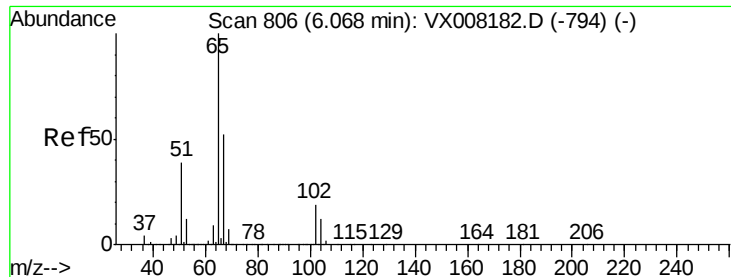
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#32
1,1,1-Trichloroethane
Concen: 51.457 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.2	78.2
61	48.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 43.926 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 220562

Ion Ratio Lower Upper

65 100

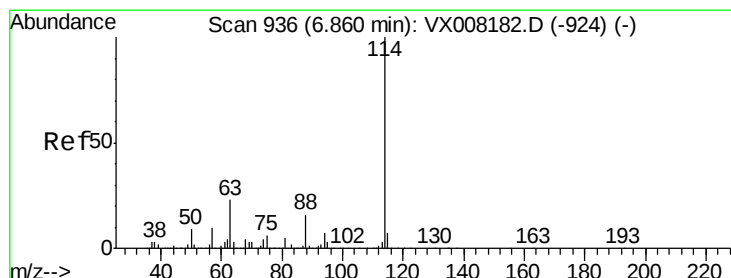
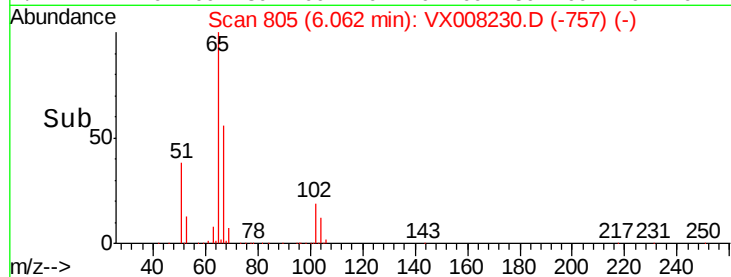
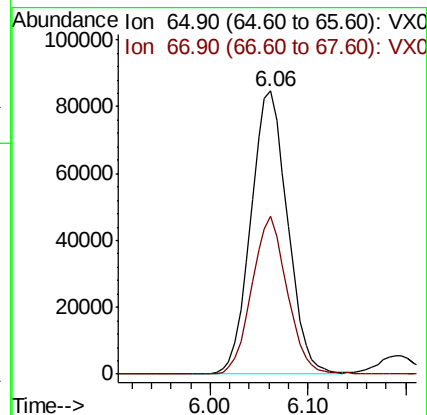
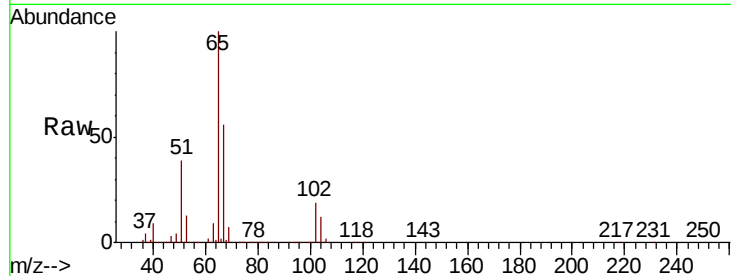
67 53.4 0.0 110.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

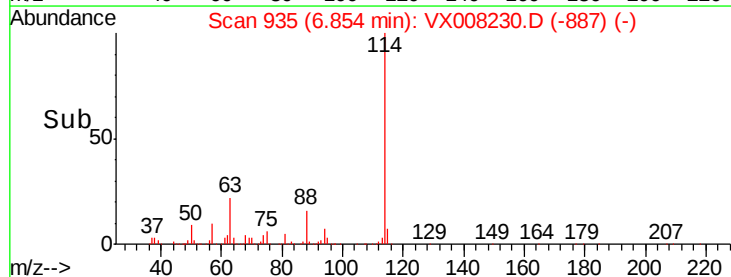
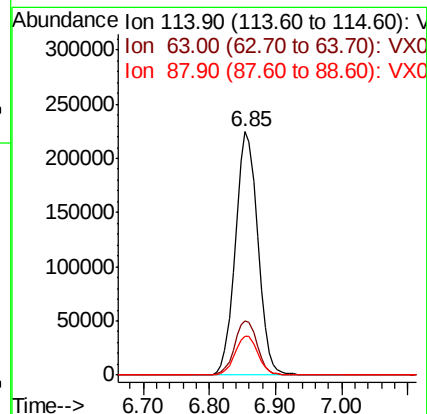
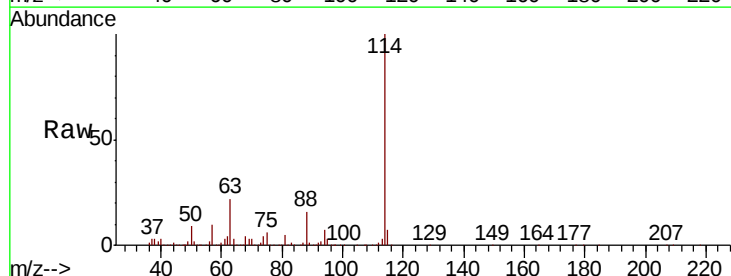
Tgt Ion: 114 Resp: 529340

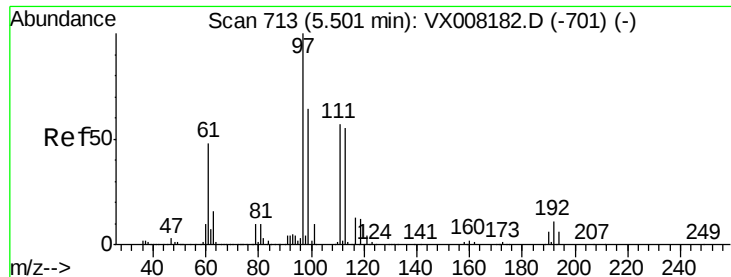
Ion Ratio Lower Upper

114 100

63 22.4 0.0 39.8

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.851 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

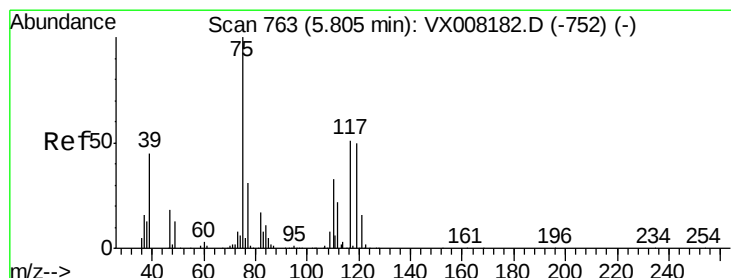
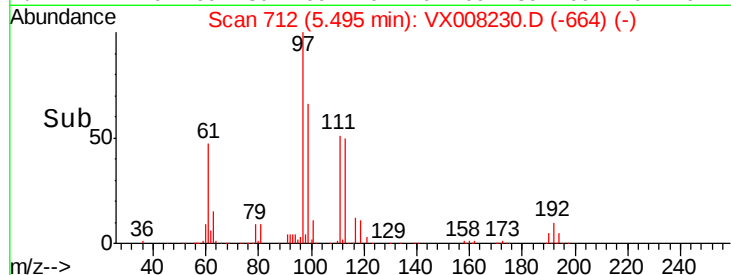
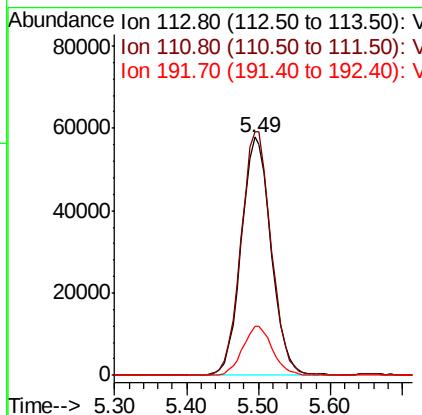
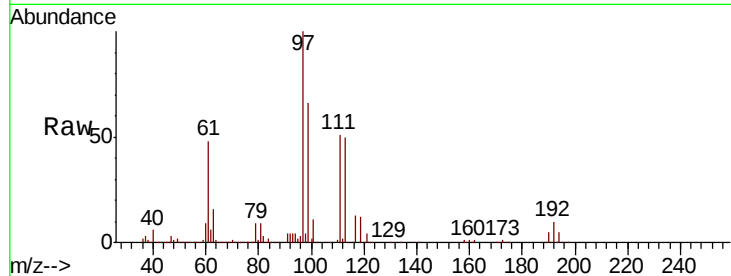
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	166020
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.4	122.0
192	20.6	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.909 ug/l

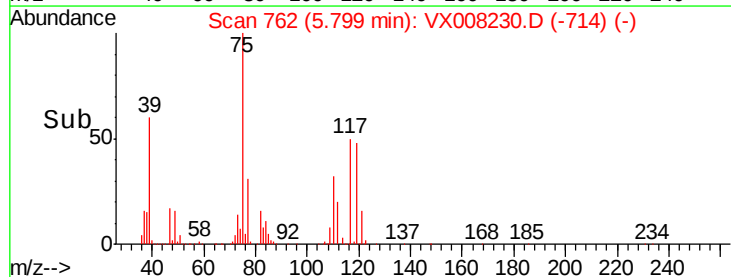
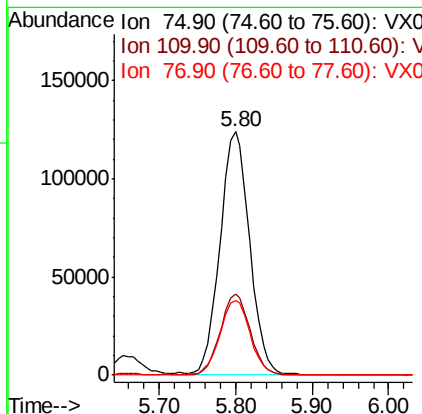
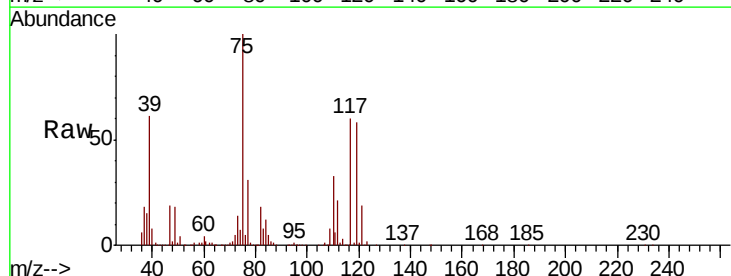
RT: 5.80 min Scan# 762

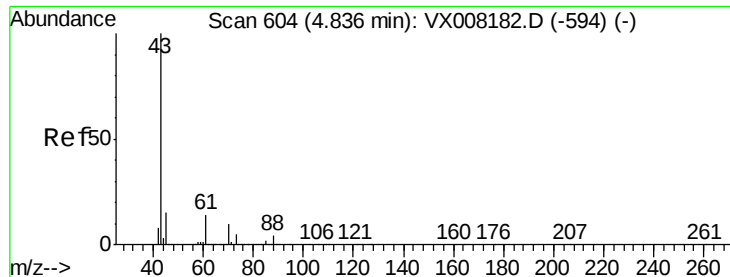
Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion:	75	Resp:	332235
Ion Ratio	Lower	Upper	
75	100		
110	33.5	18.4	55.0
77	31.1	25.0	37.4





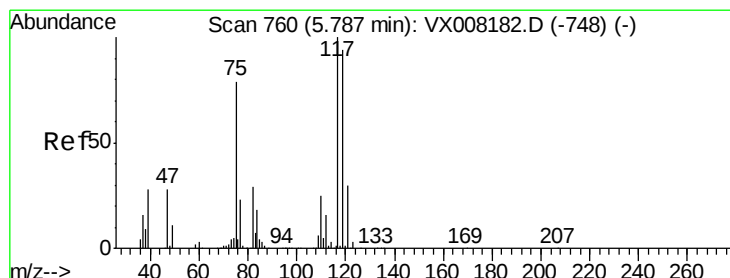
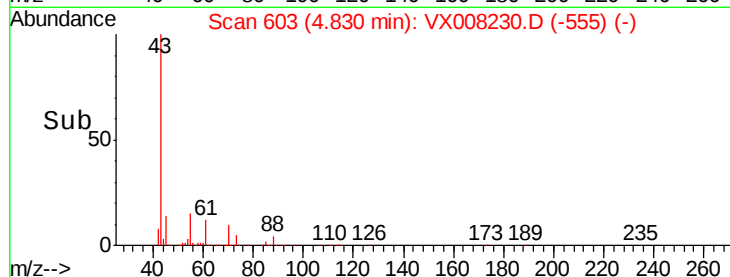
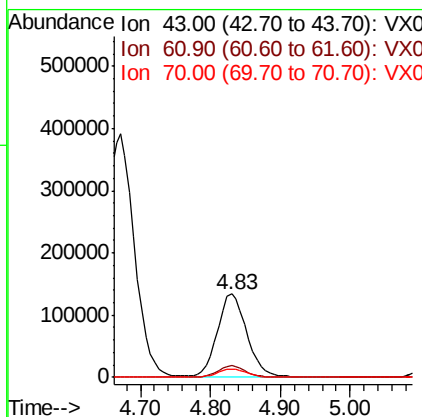
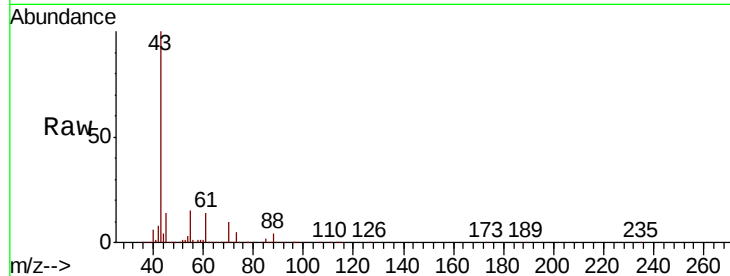
#37
Ethyl Acetate
Concen: 53.895 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.3	16.9
70	9.6	8.5	12.7

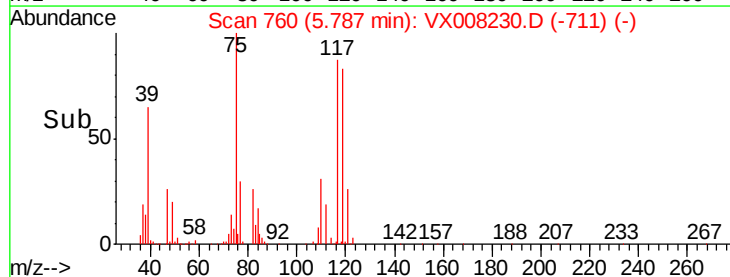
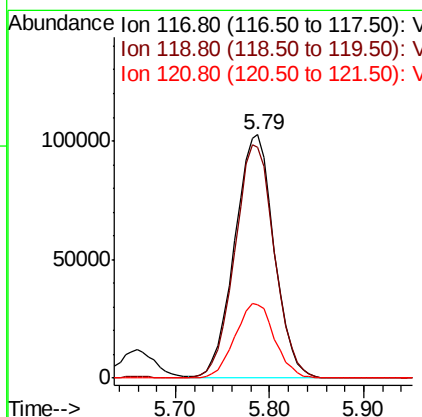
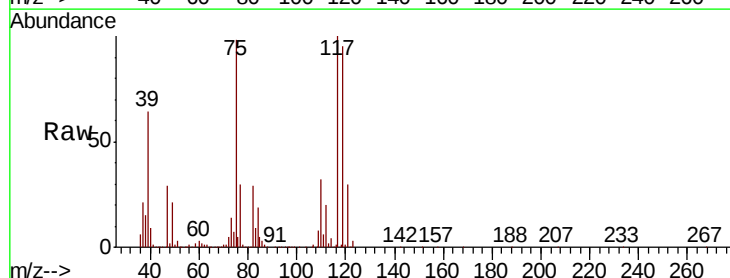
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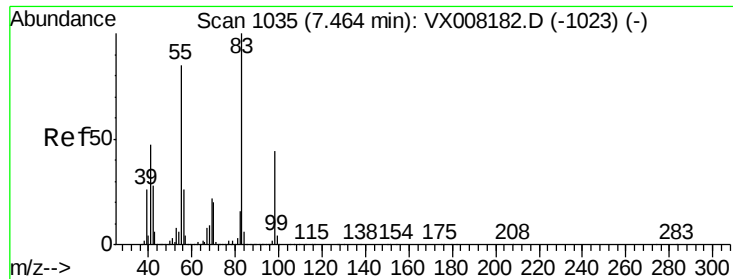
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#38
Carbon Tetrachloride
Concen: 54.493 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.2	114.2
121	29.9	24.6	36.8





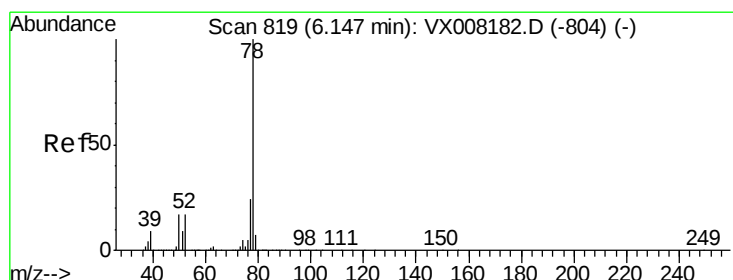
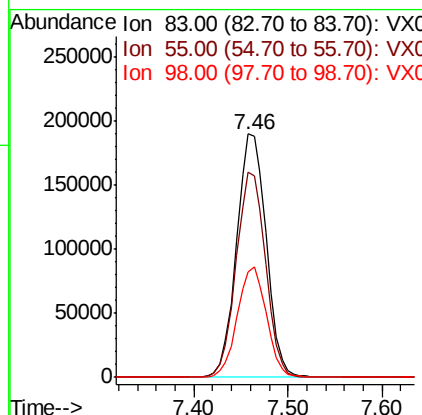
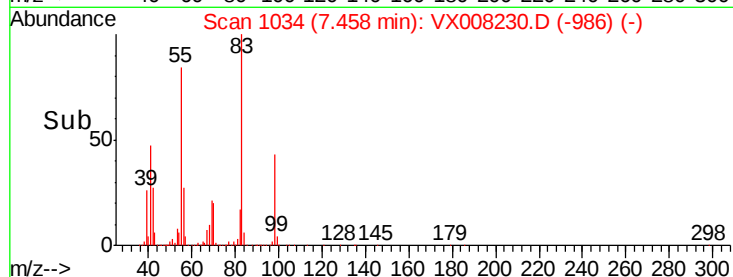
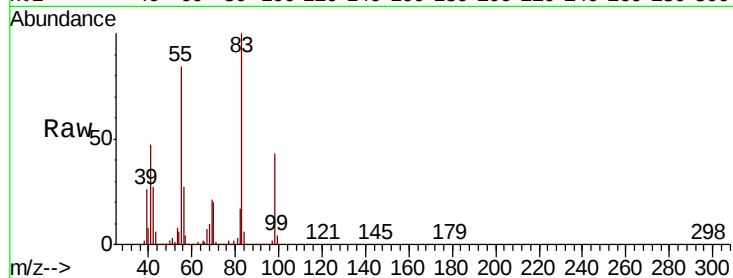
#39
Methylvlcvclohexane
Concen: 56.379 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.2	60.4	90.6	
98	43.4	36.5	54.7	

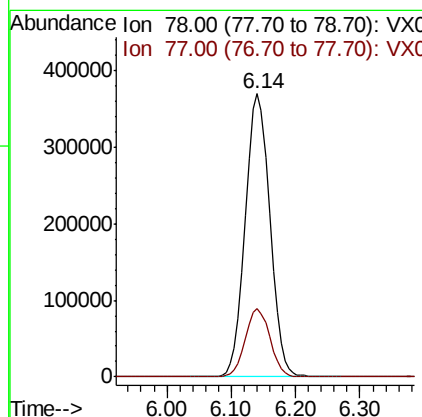
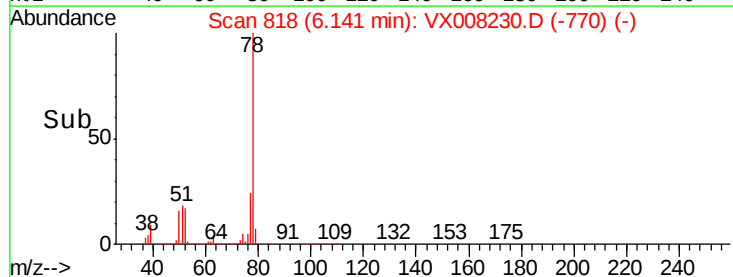
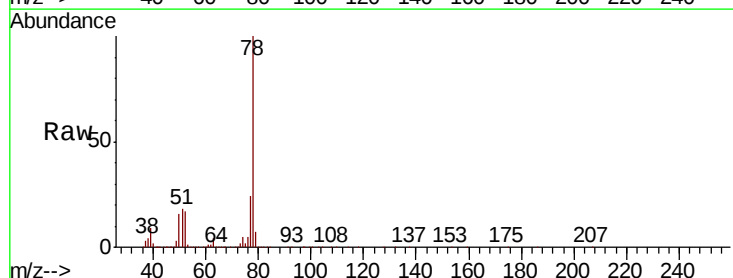
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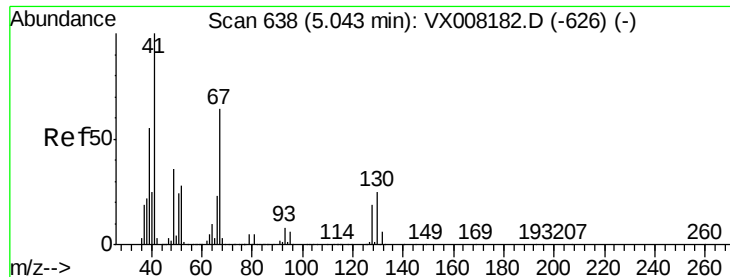
MMDadoda
3/22/2019 2:50:33 PM



#40
Benzene
Concen: 53.135 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.0	28.4	





#41

Methacrylonitrile

Concen: 54.316 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

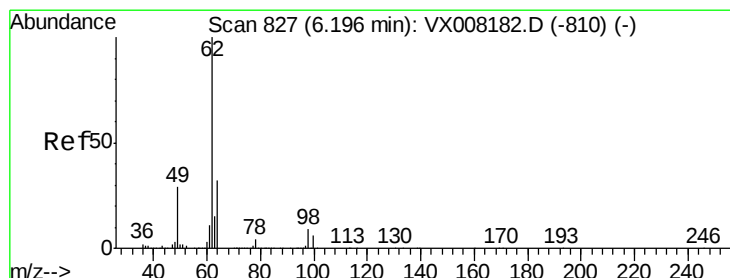
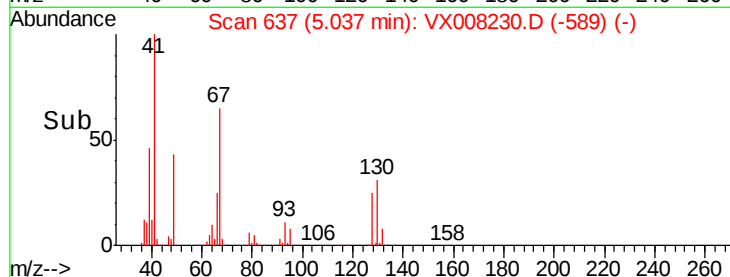
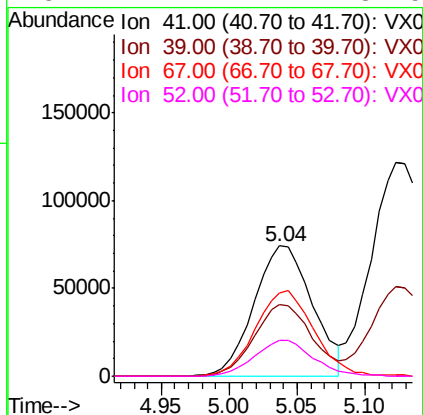
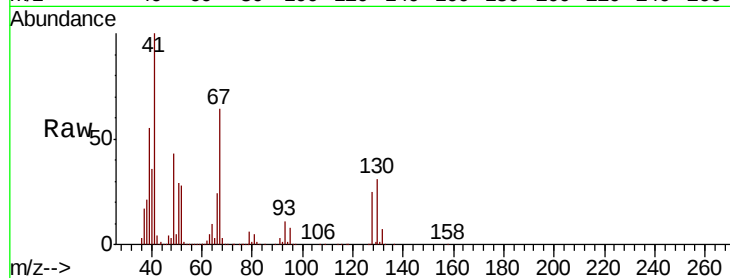
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	221962
Ion Ratio	Lower	Upper	
41	100		
39	54.3	41.6	62.4
67	66.1	55.8	83.6
52	27.7	21.7	32.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.446 ug/l

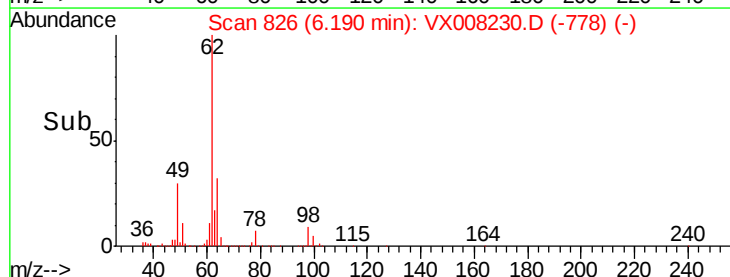
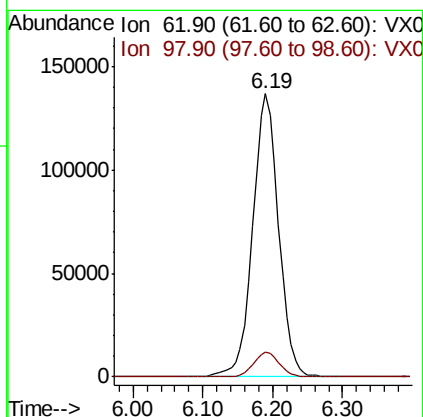
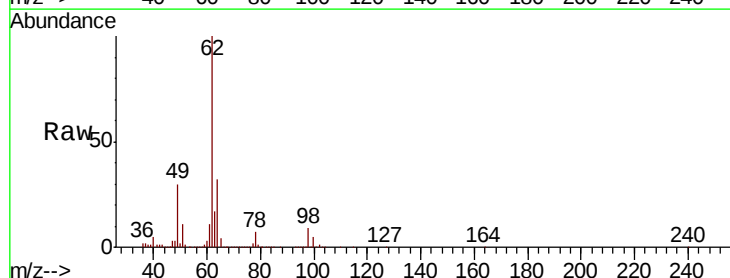
RT: 6.19 min Scan# 826

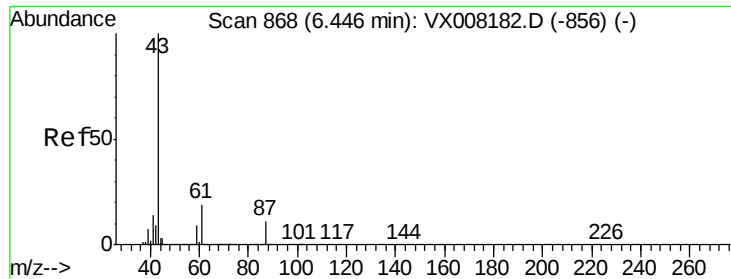
Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion:	62	Resp:	350451
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	20.4





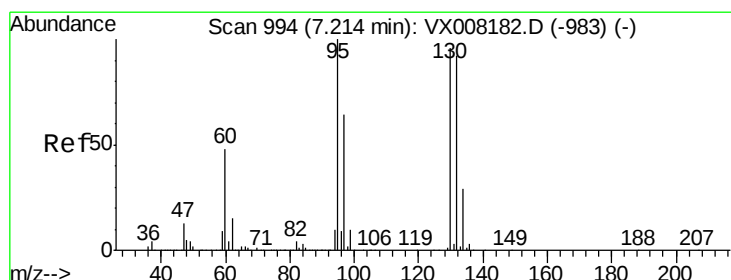
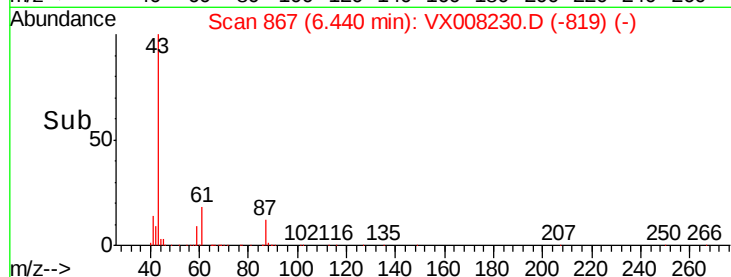
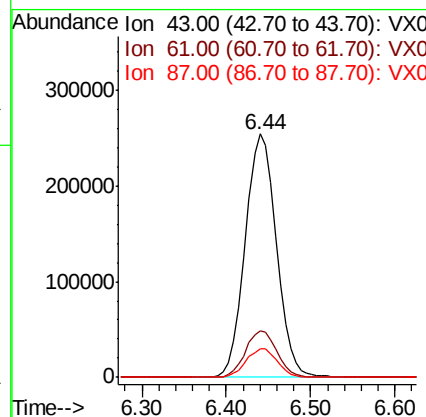
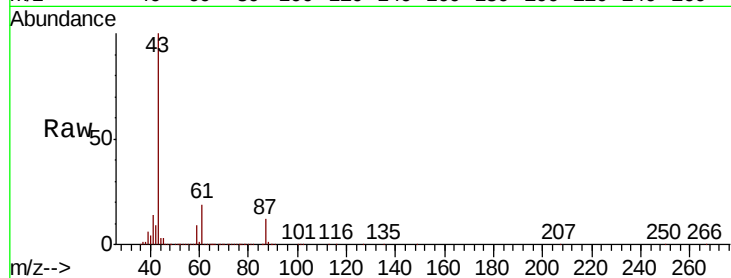
#43
Isopropyl Acetate
Concen: 54.506 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.3	24.5
87	11.8	10.5	15.7

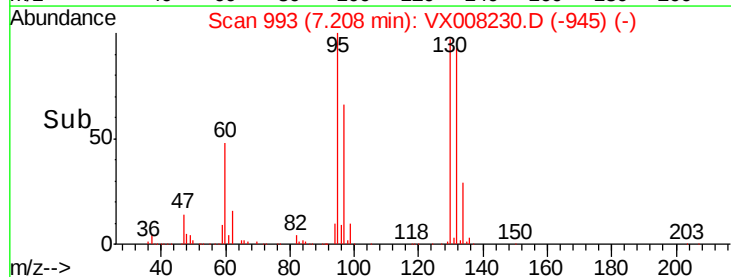
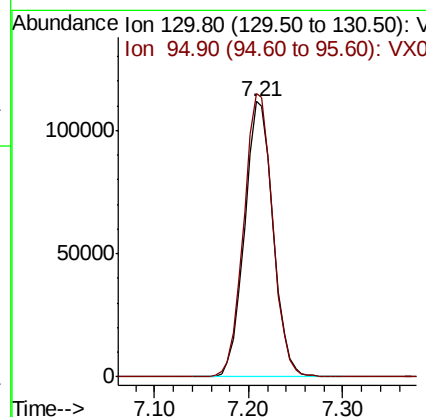
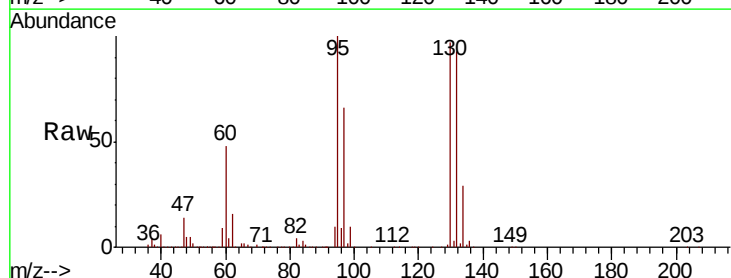
Manual Integrations
APPROVED

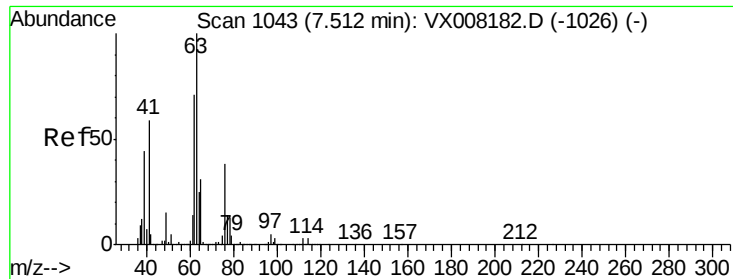
MMDadoda
3/22/2019 2:50:33 PM



#44
Trichloroethene
Concen: 53.024 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	188.0





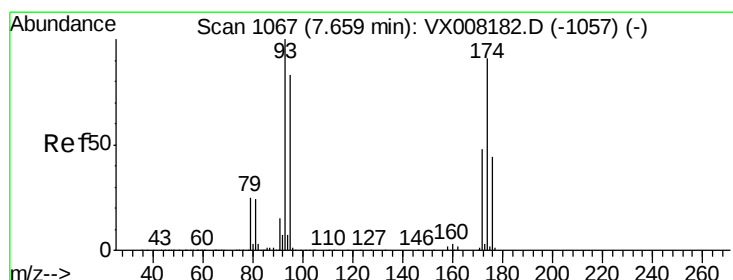
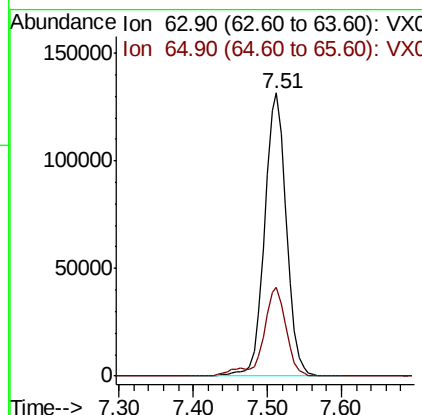
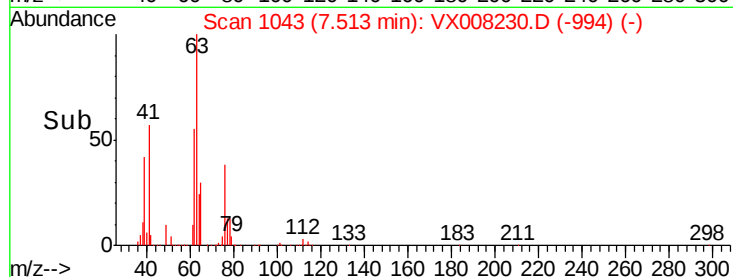
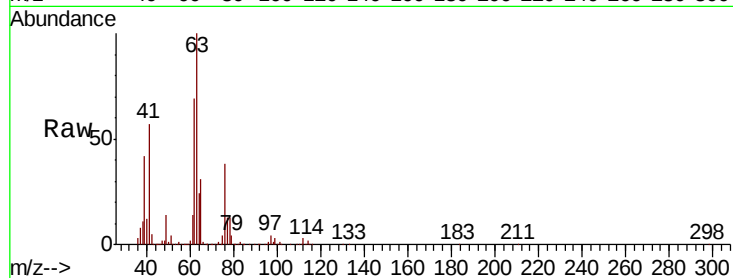
#45
 1,2-Dichloropropane
 Concen: 52.714 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.7	37.1

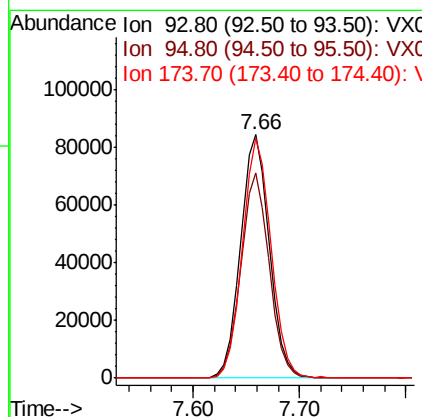
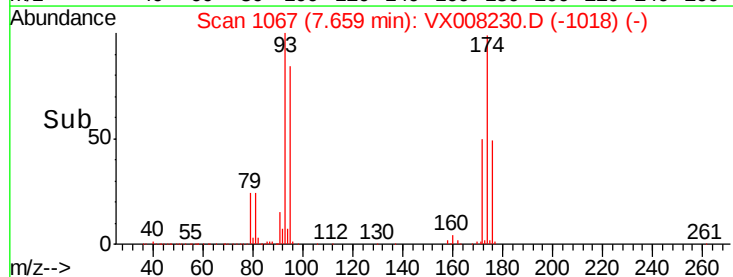
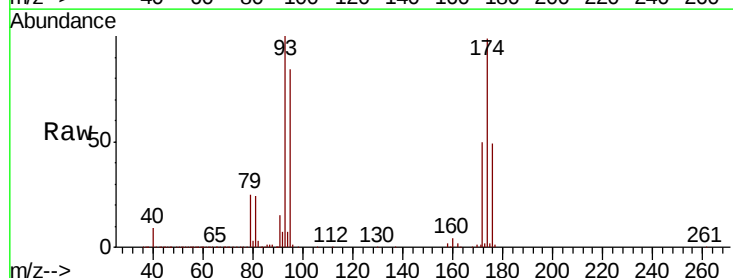
Manual Integrations
 APPROVED

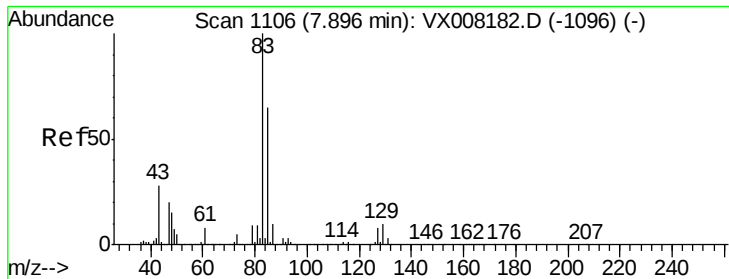
MMDadoda
 3/22/2019 2:50:33 PM



#46
 Dibromomethane
 Concen: 51.953 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.8	100.2
174	98.1	97.3	145.9





#47

Bromodichloromethane

Concen: 54.272 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

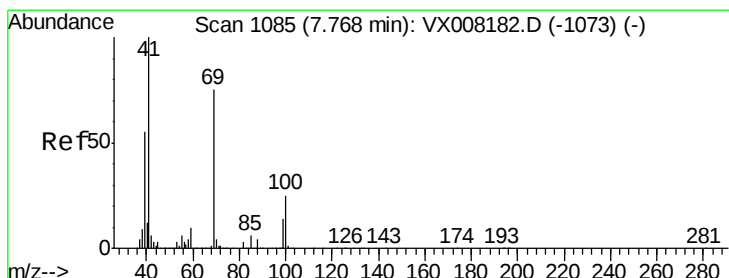
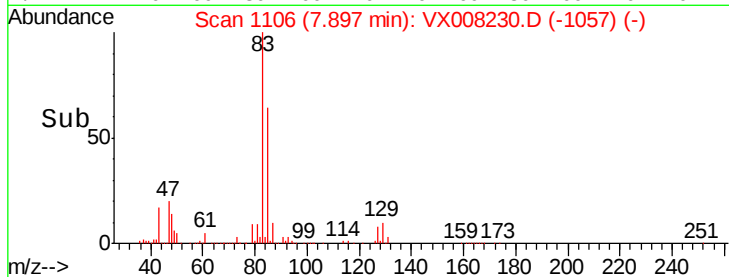
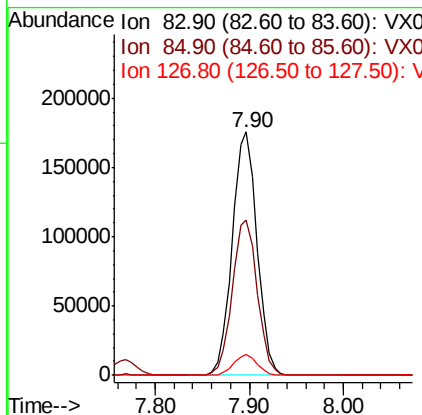
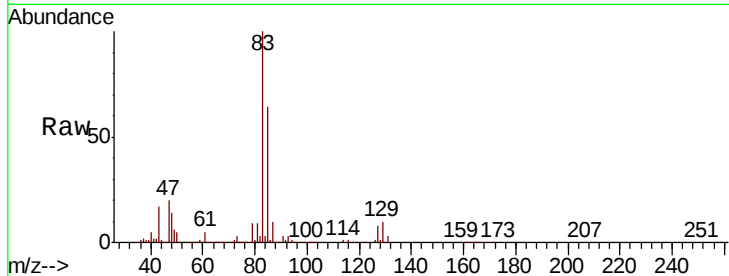
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	319780
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.9	76.3
127	8.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:50:33 PM



#48

Methyl methacrylate

Concen: 54.342 ug/l

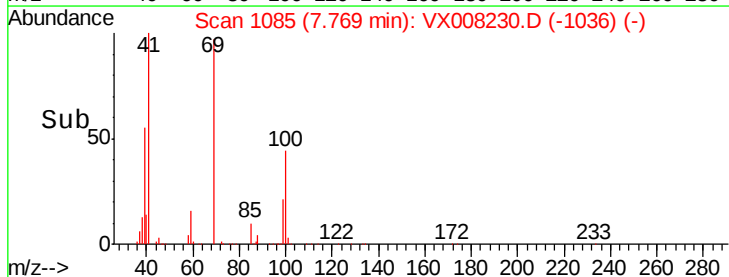
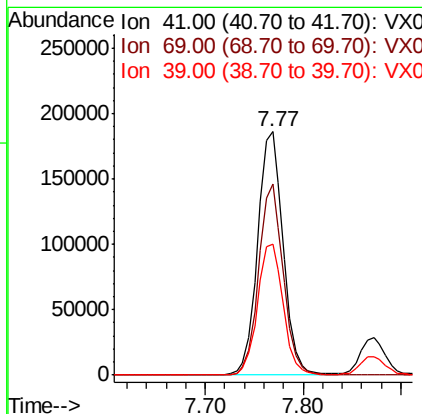
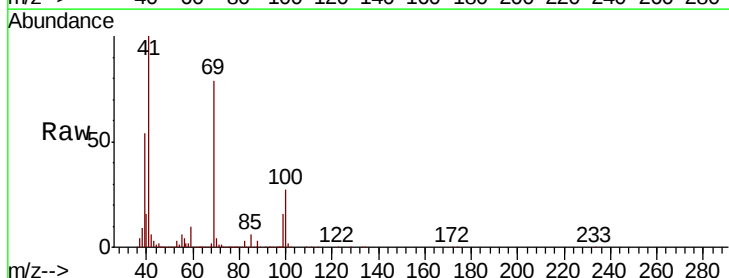
RT: 7.77 min Scan# 1085

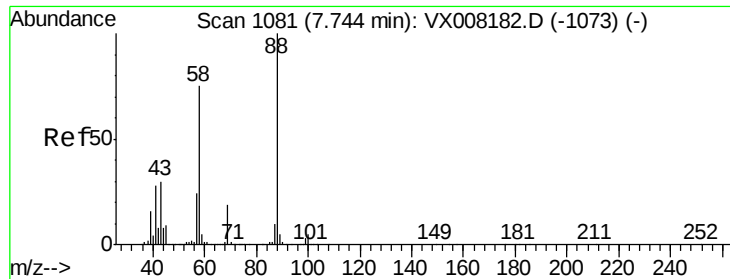
Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion:	41	Resp:	337412
Ion Ratio	Lower	Upper	
41	100		
69	76.2	65.2	97.8
39	54.2	39.4	59.2





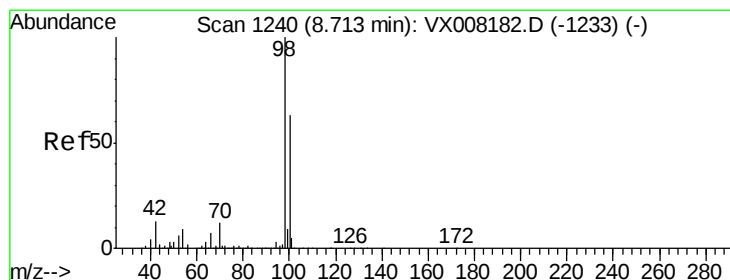
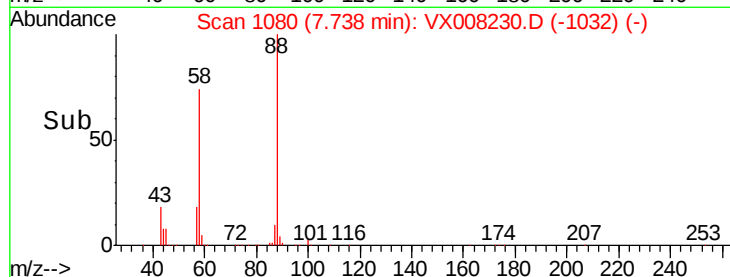
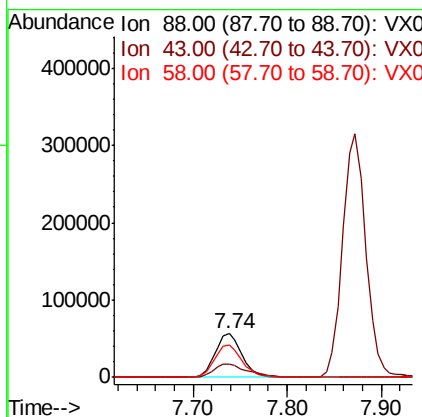
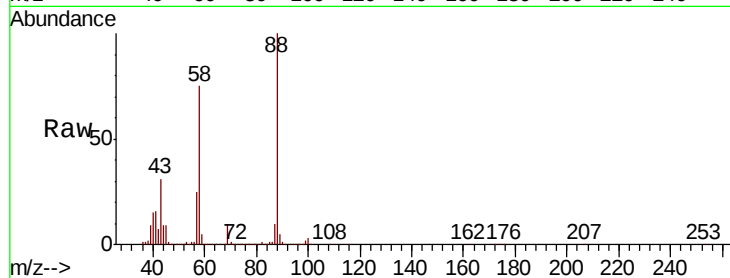
#49
1,4-Dioxane
Concen: 999.567 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	25.1	37.7
58	79.1	57.8	86.6

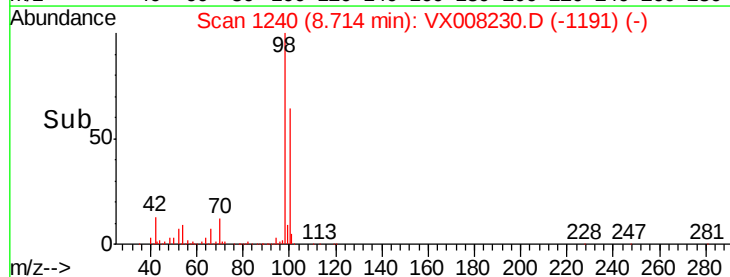
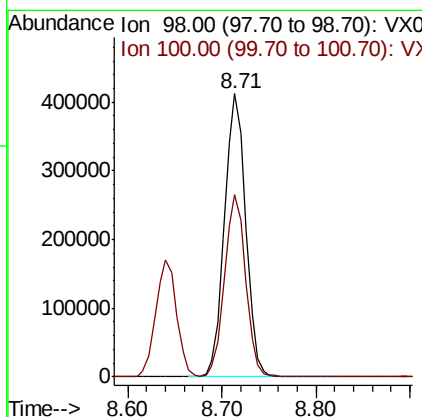
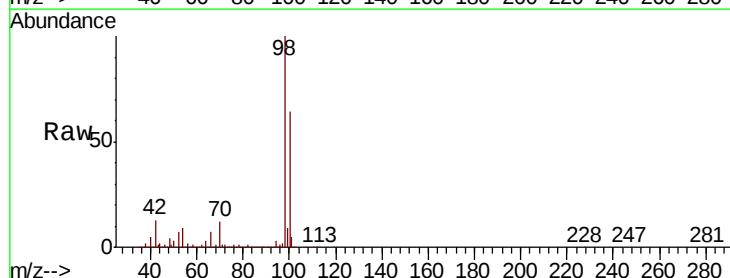
Manual Integrations
APPROVED

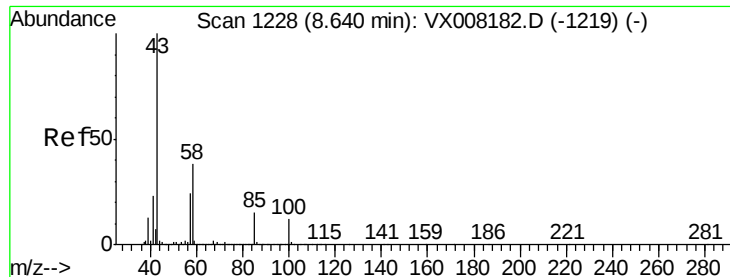
MMDadoda
3/22/2019 2:50:33 PM



#50
Toluene-d8
Concen: 47.993 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





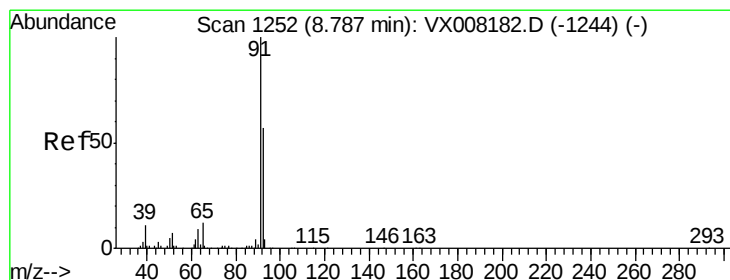
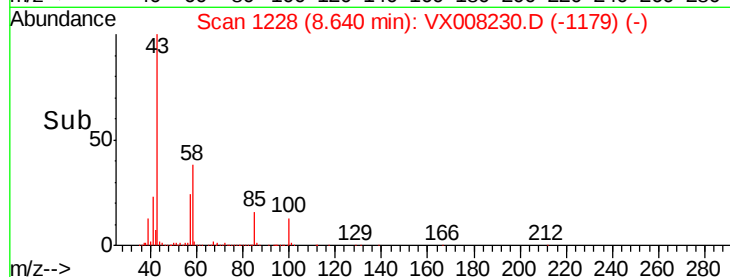
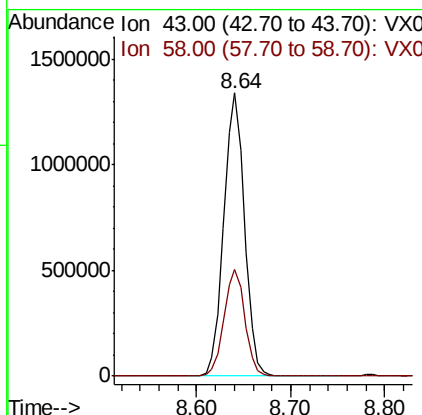
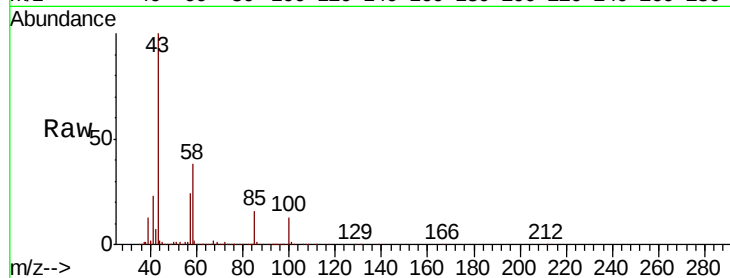
#51
4-Methyl-2-Pentanone
Concen: 270.231 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2040060
Ion Ratio Lower Upper
43 100
58 37.6 31.3 46.9

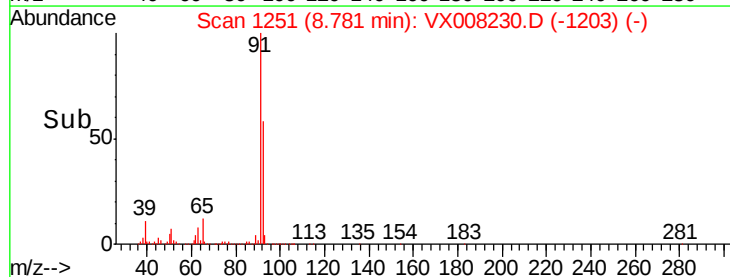
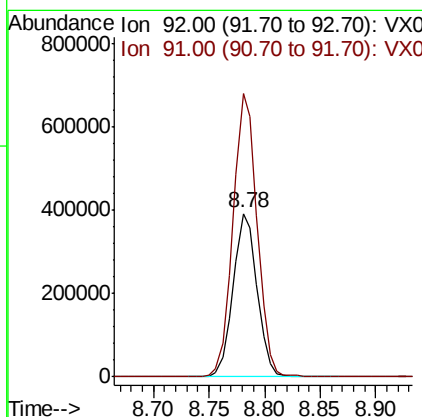
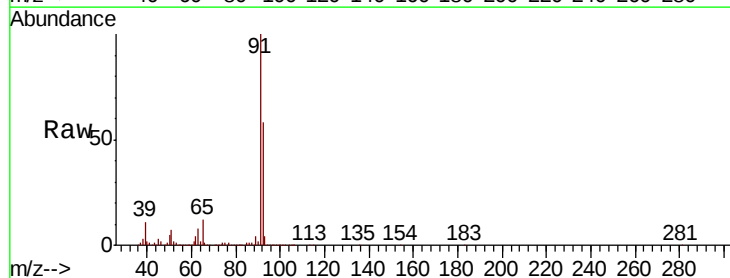
Manual Integrations
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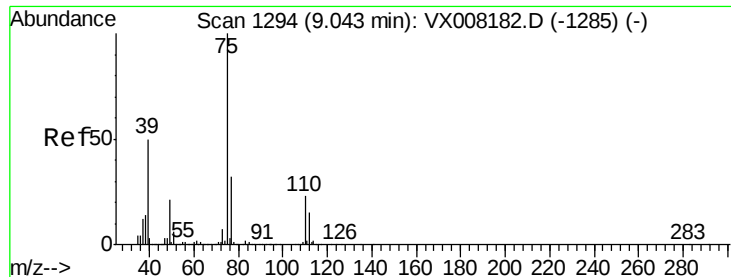
MMDadoda
3/22/2019 2:50:33 PM



#52
Toluene
Concen: 54.017 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 92 Resp: 584551
Ion Ratio Lower Upper
92 100
91 174.6 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 50.348 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 371593

Ion Ratio Lower Upper

75 100

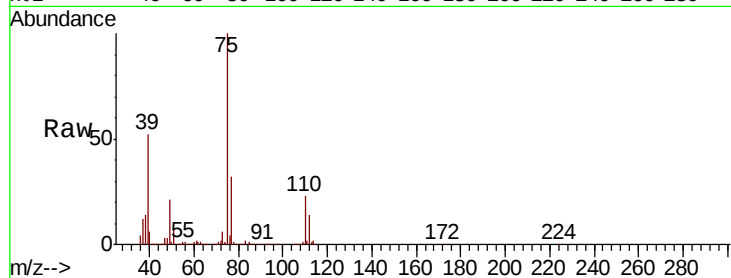
77 31.5 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

3/22/2019 2:50:33 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

250000

200000

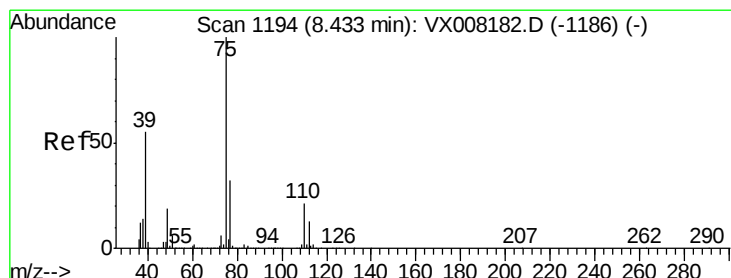
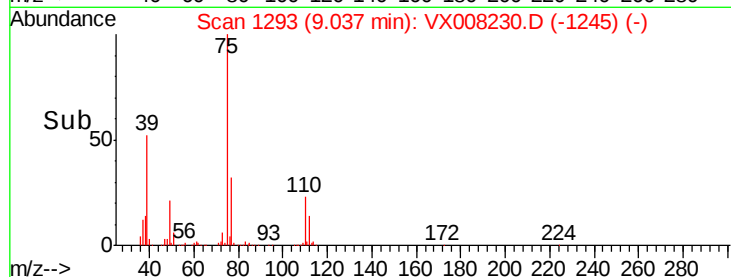
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.184 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

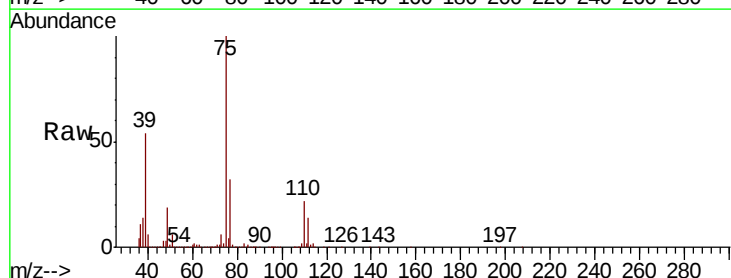
Tgt Ion: 75 Resp: 403532

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

39 53.8 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

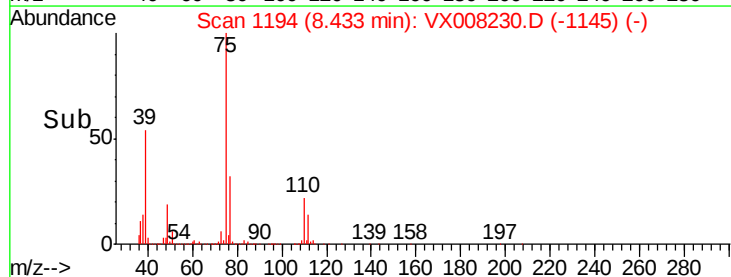
300000

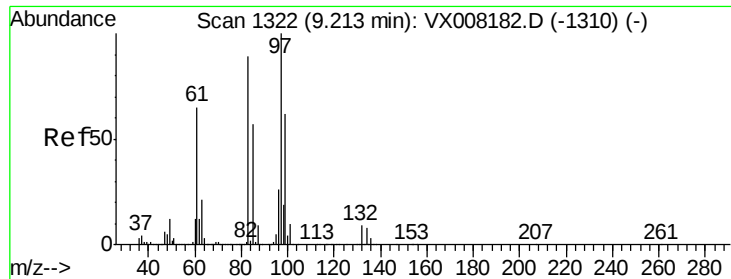
200000

100000

0

Time-->





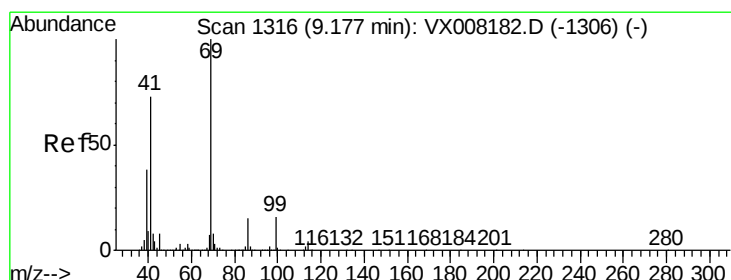
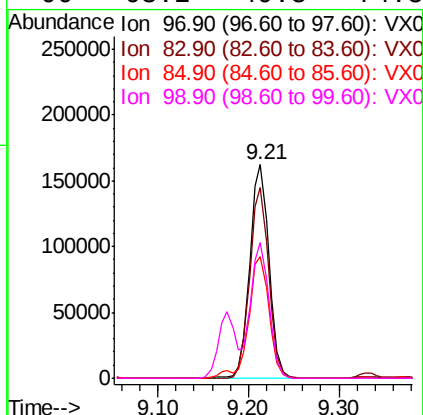
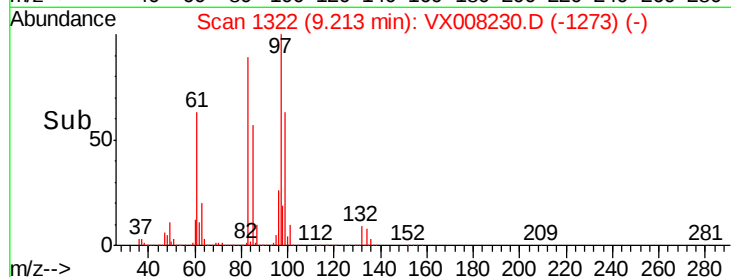
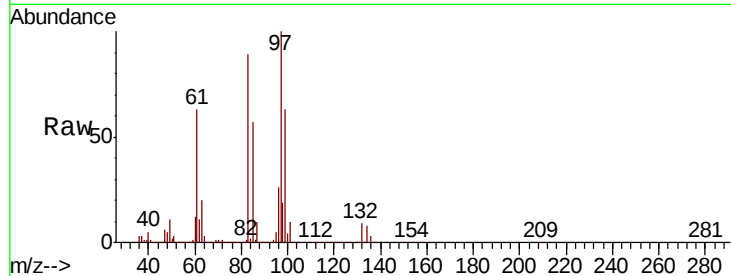
#55
 1,1,2-Trichloroethane
 Concen: 54.369 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		237719		
83	89.0	69.1	103.7		
85	56.9	44.3	66.5		
99	63.2	49.8	74.8		

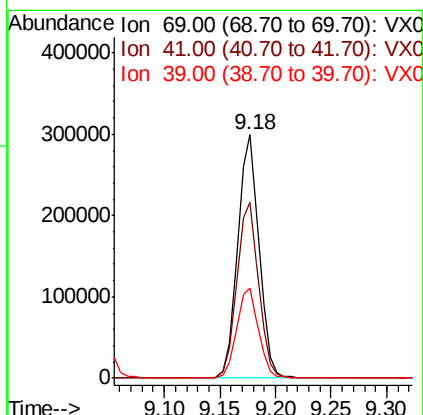
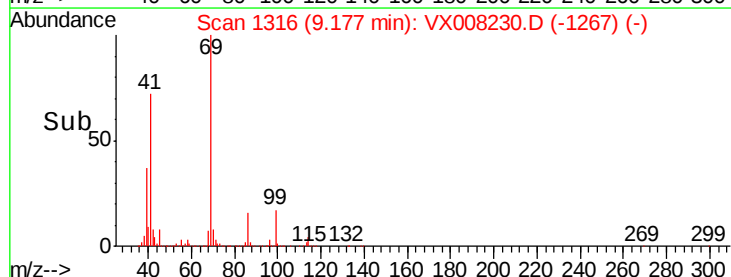
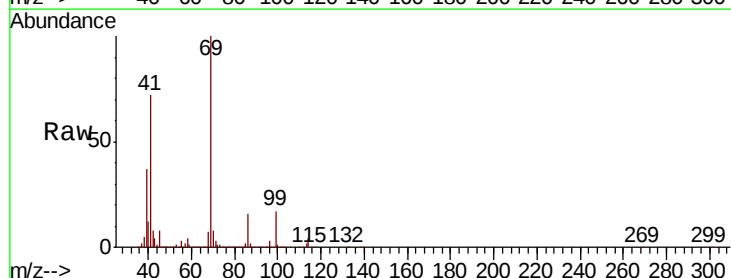
Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 2:50:33 PM



#56
 Ethyl methacrylate
 Concen: 51.594 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		395822		
41	73.4	54.2	81.4		
39	37.8	25.0	37.4#		





#57

1,3-Dichloropropane

Concen: 54.461 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 421236

Ion Ratio Lower Upper

76 100

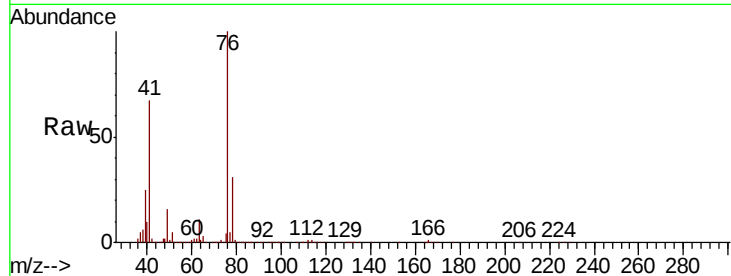
78 31.9 25.5 38.3

Manual Integrations

APPROVED

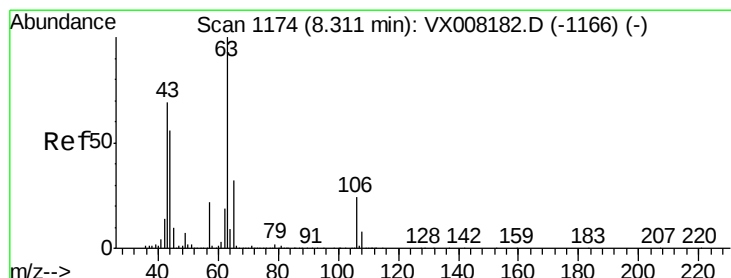
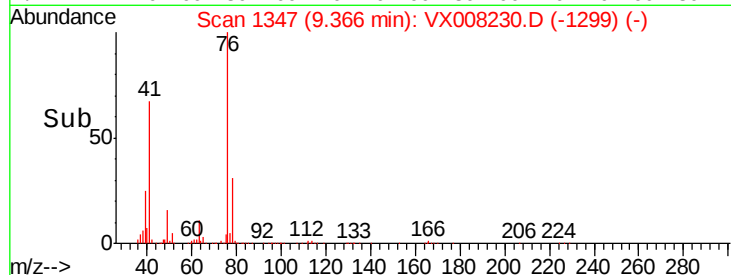
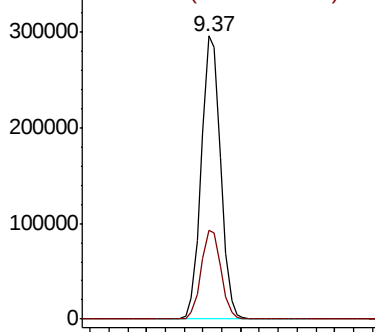
MMDadoda

3/22/2019 2:50:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 236.710 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008230.D

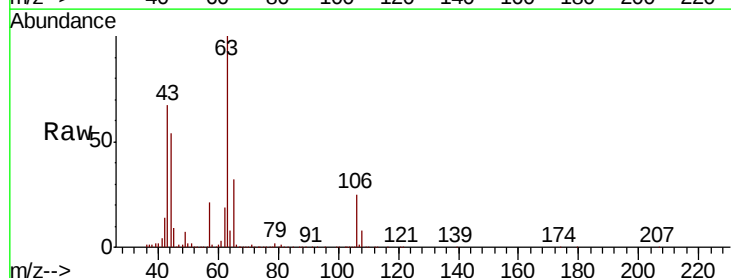
Acq: 20 Mar 2019 09:51

Tgt Ion: 63 Resp: 847981

Ion Ratio Lower Upper

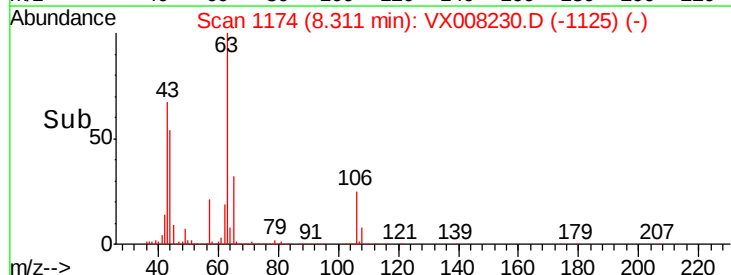
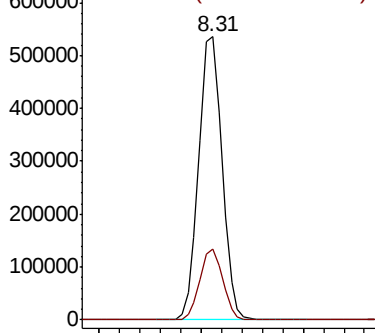
63 100

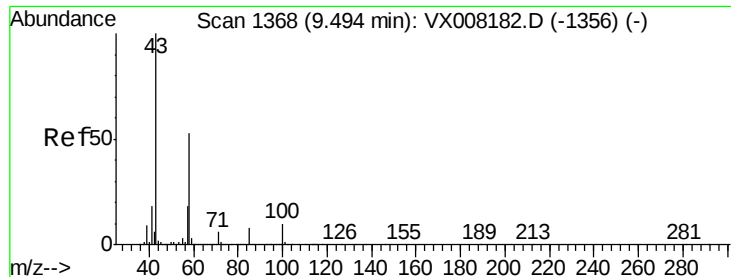
106 24.6 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





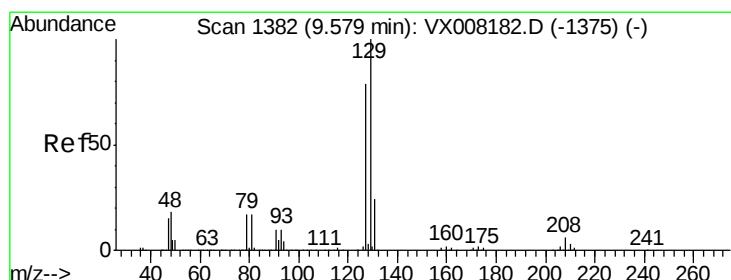
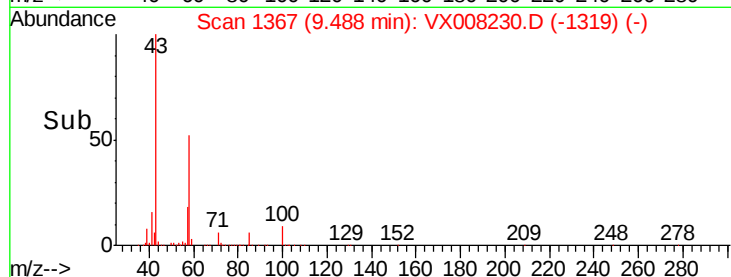
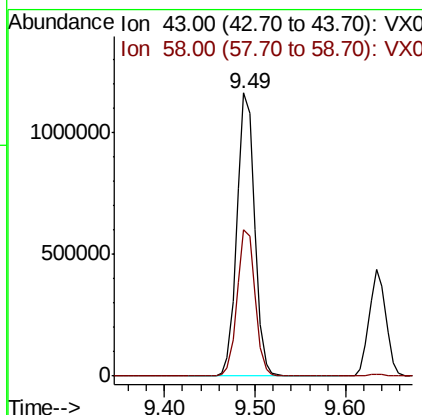
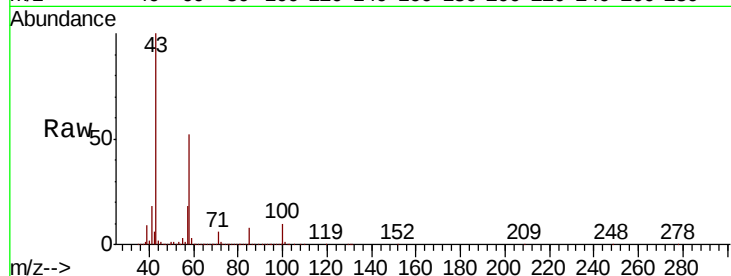
#59
2-Hexanone
Concen: 271.263 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1576599
Ion Ratio Lower Upper
43 100
58 52.2 27.6 82.7

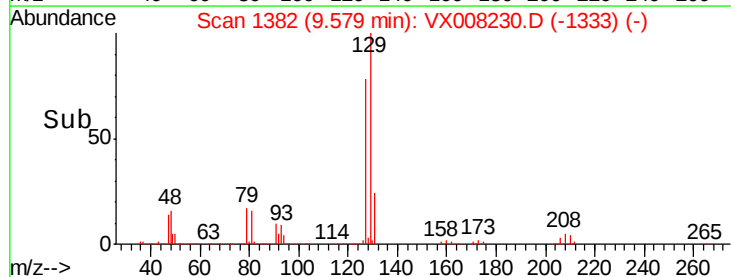
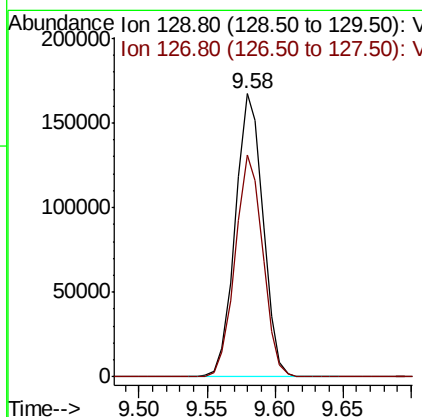
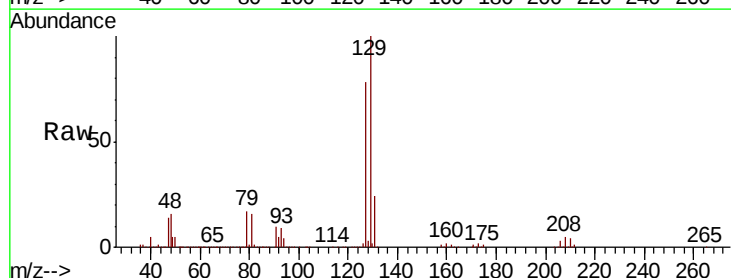
Manual Integrations
APPROVED

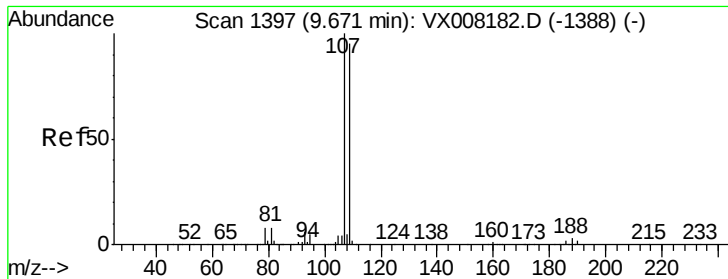
MMDadoda
3/22/2019 2:50:33 PM



#60
Dibromochloromethane
Concen: 56.576 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion: 129 Resp: 237731
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8





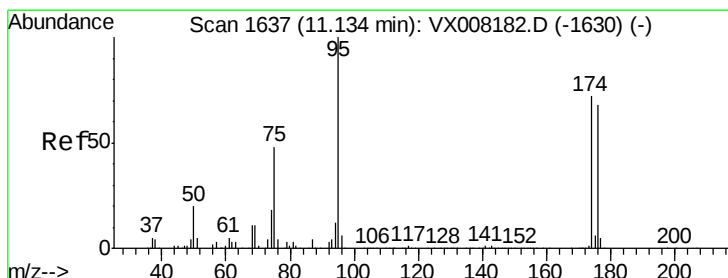
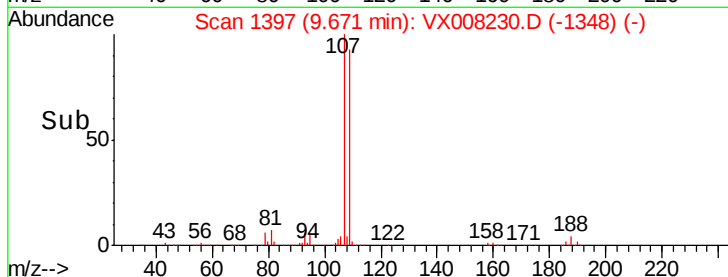
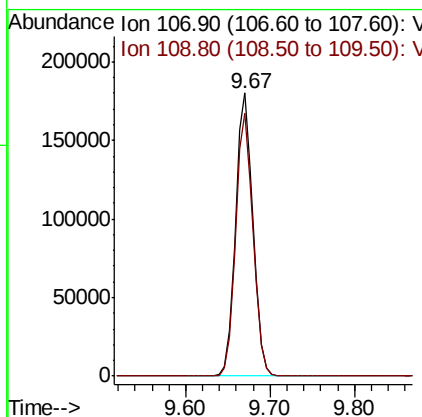
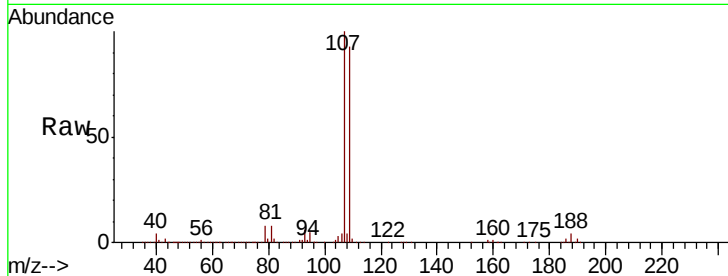
#61
 1,2-Dibromoethane
 Concen: 54.317 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.8	113.8

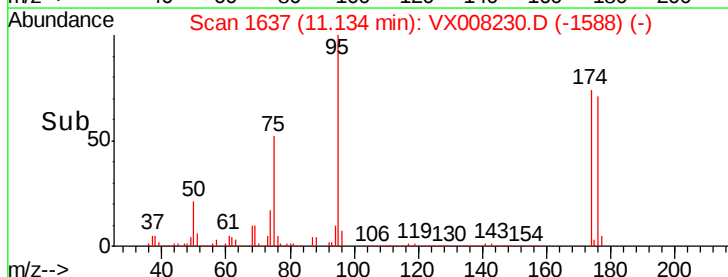
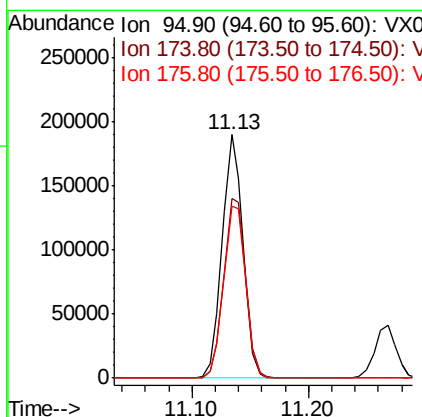
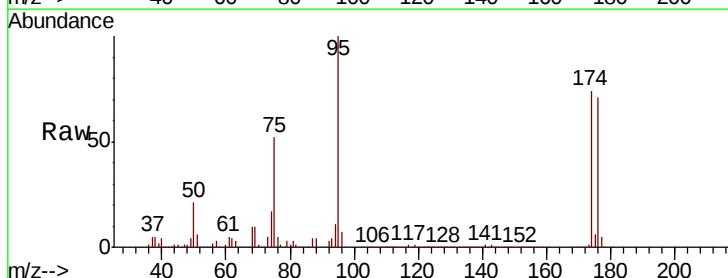
Manual Integrations
 APPROVED

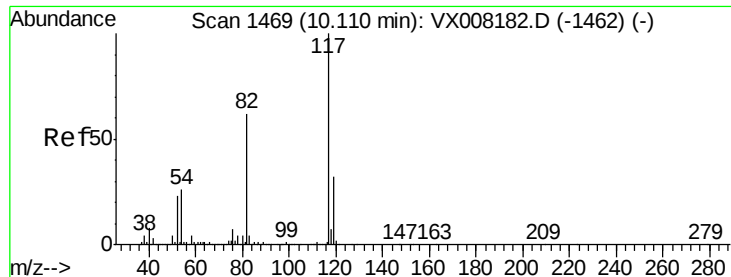
MMDadoda
 3/22/2019 2:50:33 PM



#62
 4-Bromofluorobenzene
 Concen: 50.435 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	182.8
176	75.5	0.0	178.0





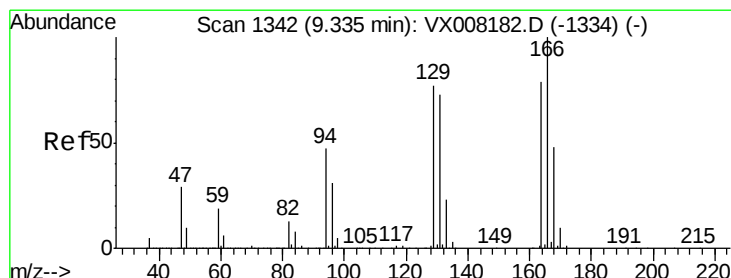
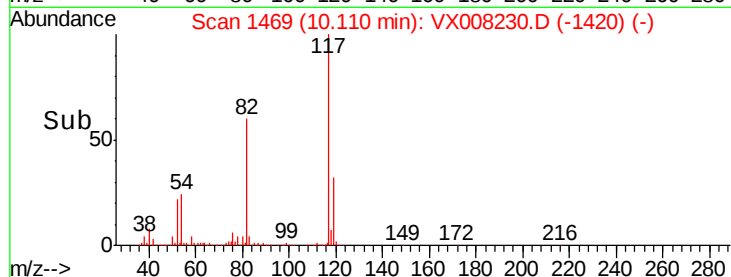
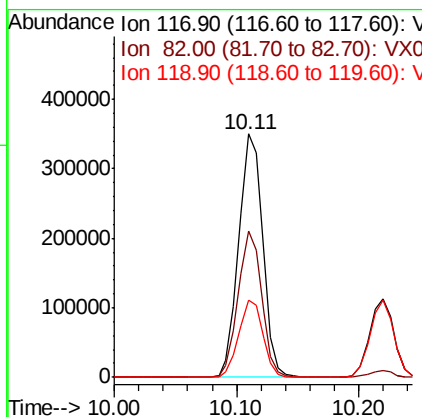
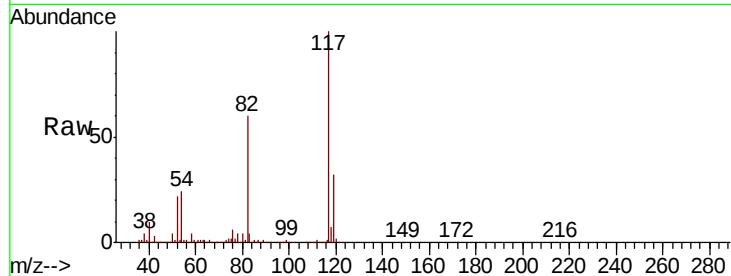
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	44.3	66.5
119	31.7	25.3	37.9

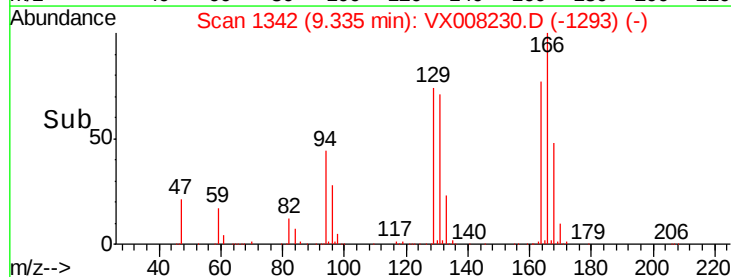
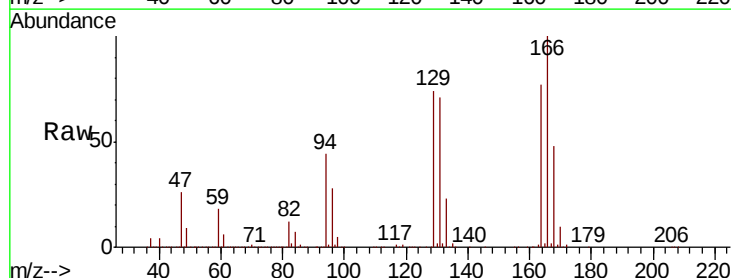
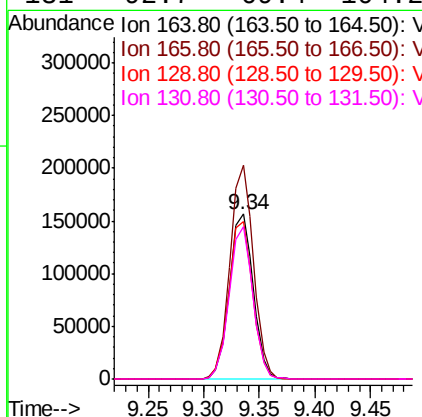
Manual Integrations
APPROVED

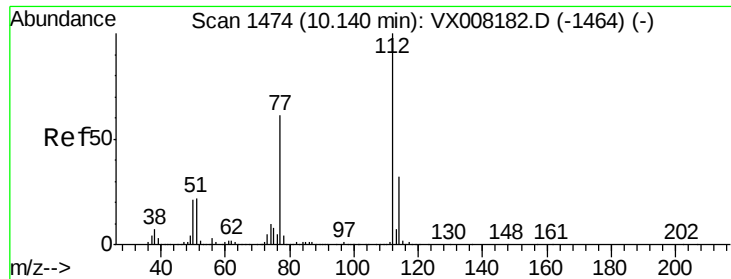
MMDadoda
3/22/2019 2:50:33 PM



#64
Tetrachloroethene
Concen: 54.447 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.4	155.0
129	95.7	72.2	108.4
131	92.7	69.4	104.2





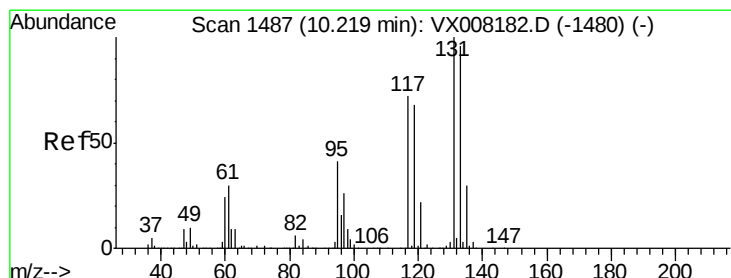
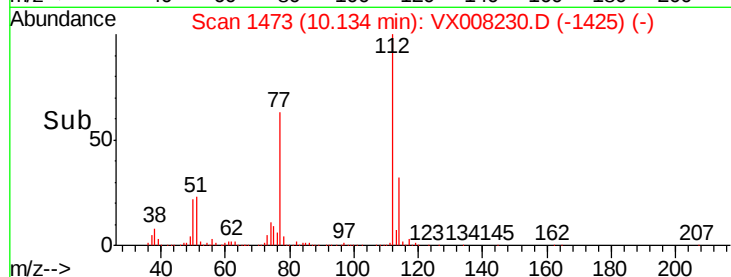
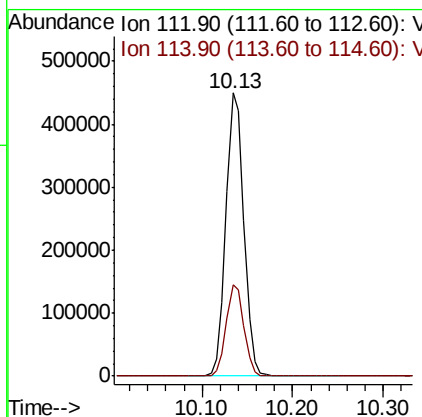
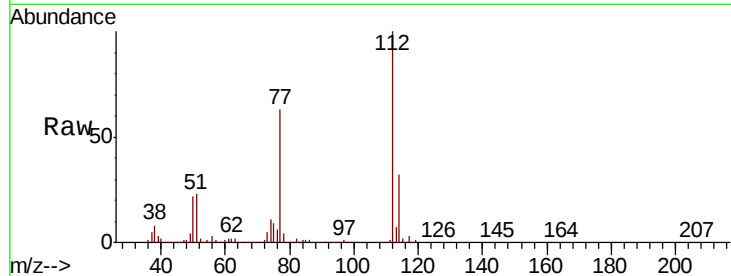
#65
Chlorobenzene
Concen: 52.846 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 616873
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

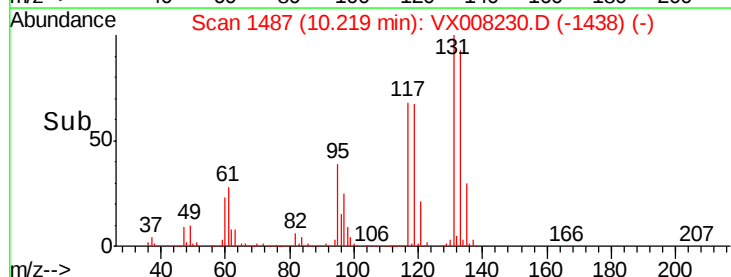
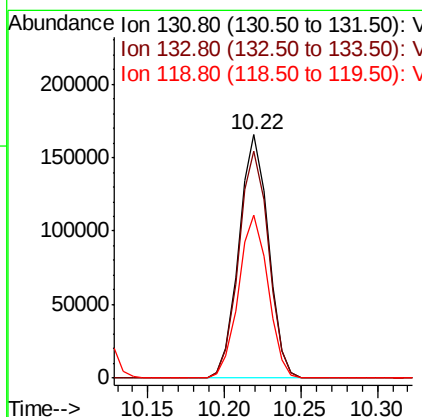
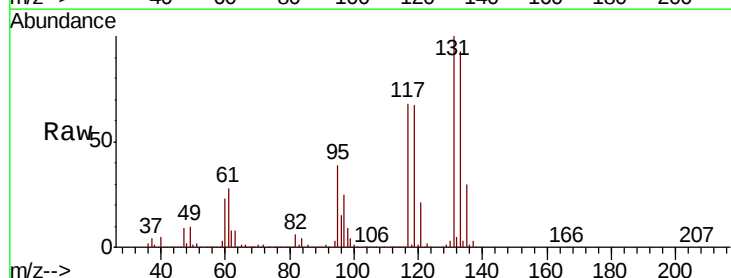
Manual Integrations
APPROVED

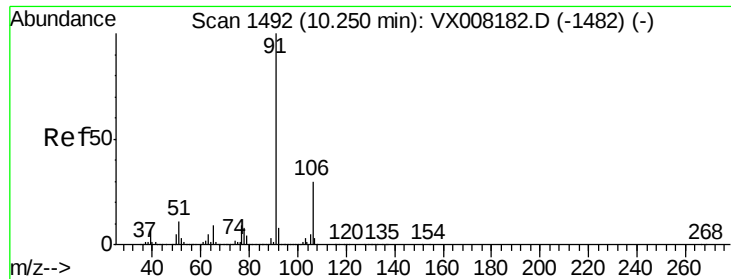
MMDadoda
3/22/2019 2:50:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.656 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion:131 Resp: 222446
Ion Ratio Lower Upper
131 100
133 94.4 47.8 143.3
119 66.9 32.5 97.5





#67

Ethyl Benzene

Concen: 54.470 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1120466

Ion Ratio Lower Upper

91 100

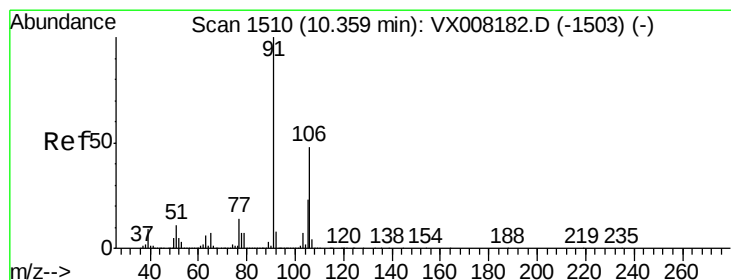
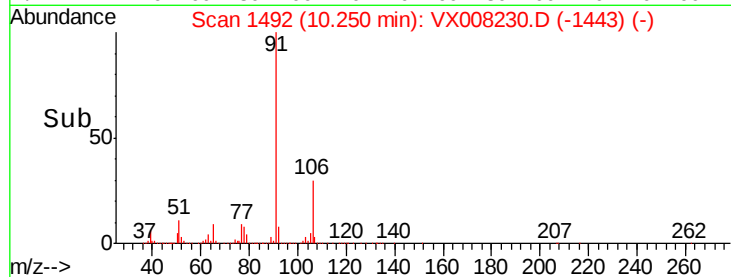
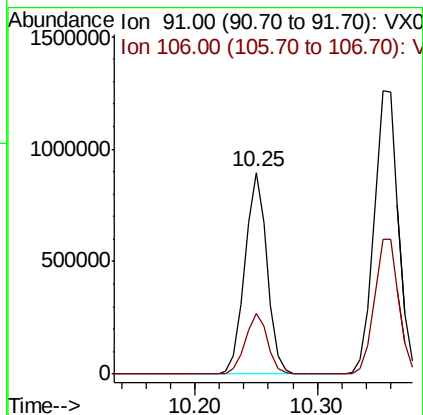
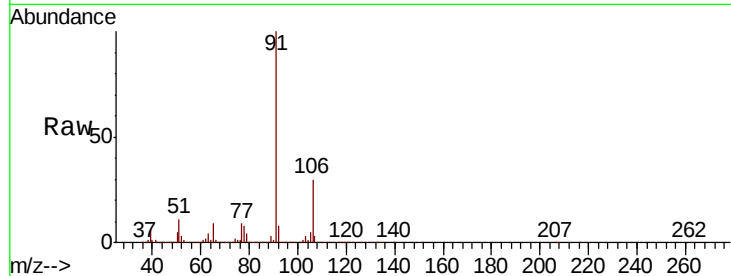
106 30.0 25.2 37.8

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 110.241 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008230.D

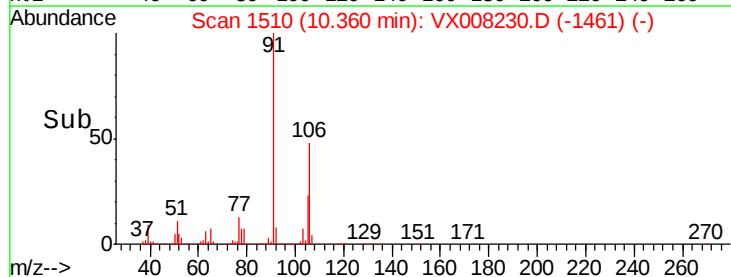
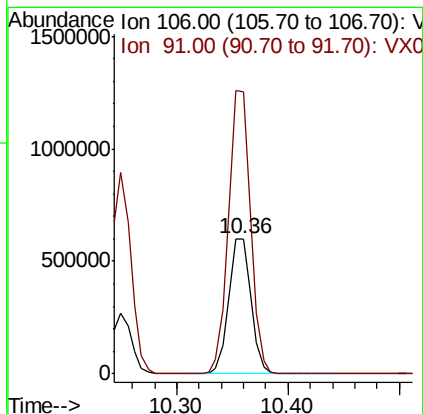
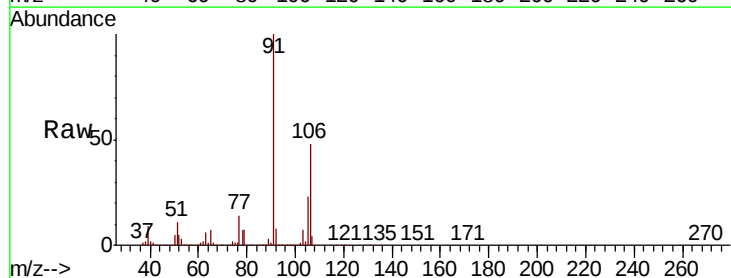
Acq: 20 Mar 2019 09:51

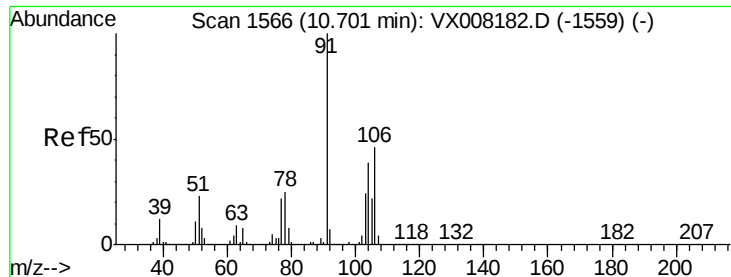
Tgt Ion: 106 Resp: 833014

Ion Ratio Lower Upper

106 100

91 208.3 159.8 239.6





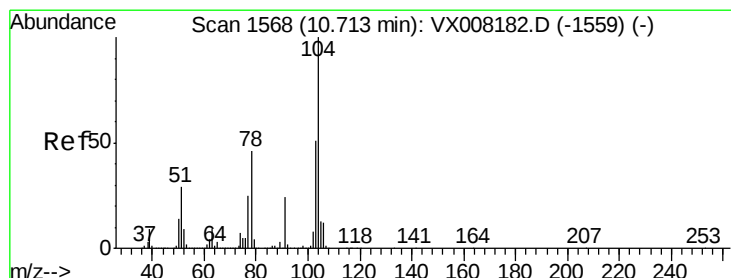
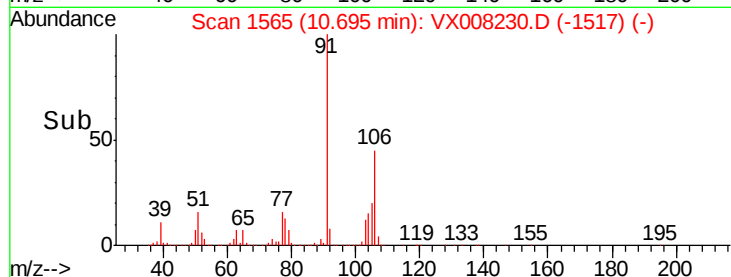
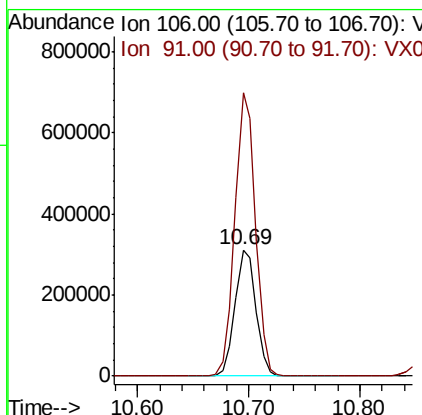
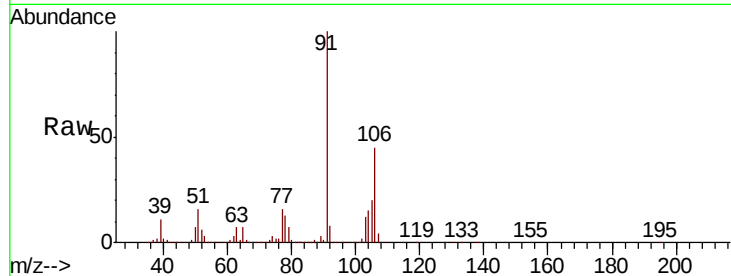
#69
o-Xylene
Concen: 54.877 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	221.0	106.3	318.9	

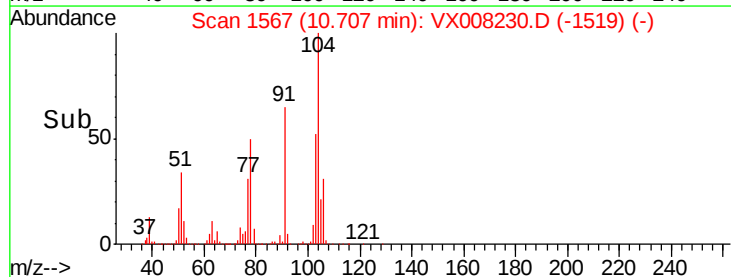
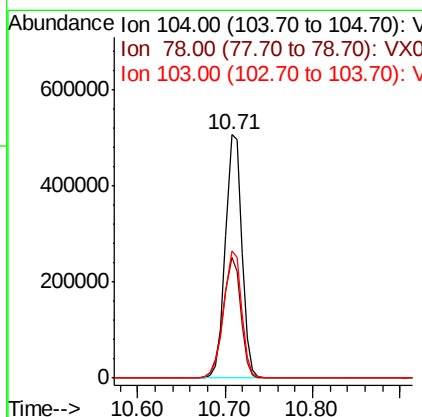
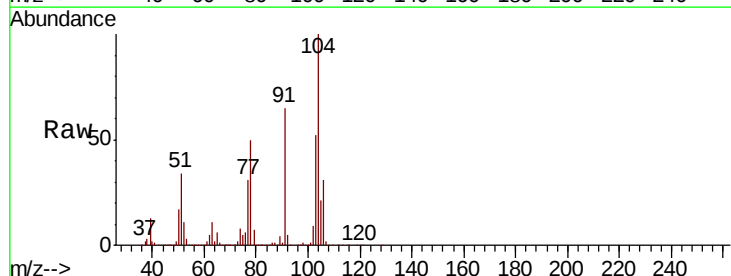
Manual Integrations
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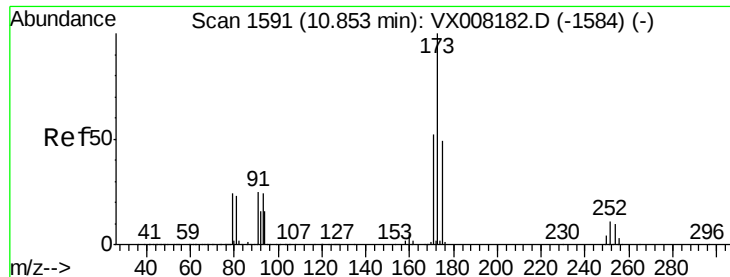
MMDadoda
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#70
Styrene
Concen: 55.371 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	53.0	38.5	57.7	
103	56.3	44.1	66.1	





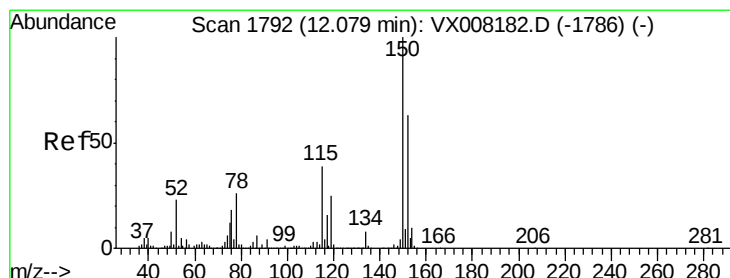
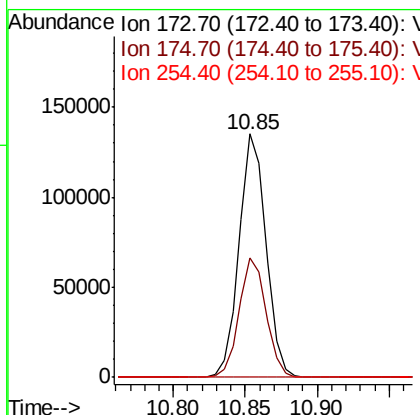
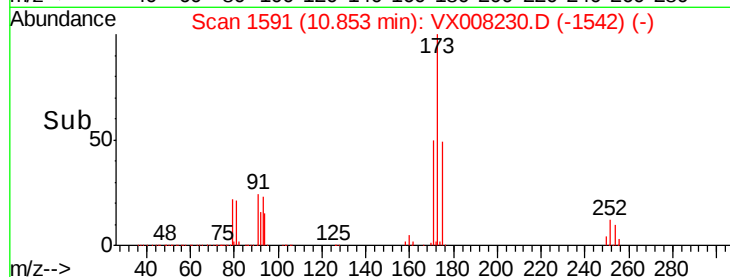
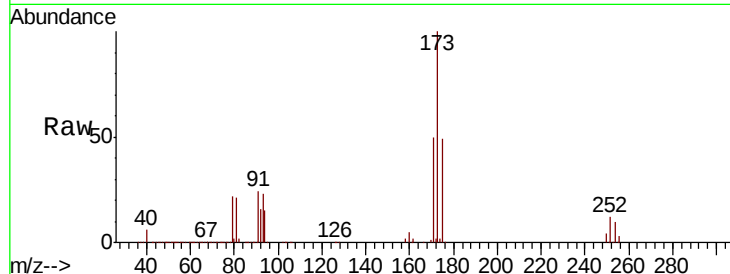
#71
Bromoform
Concen: 50.063 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.2	0.1	0.1#

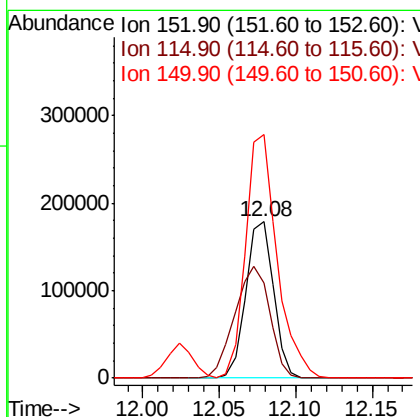
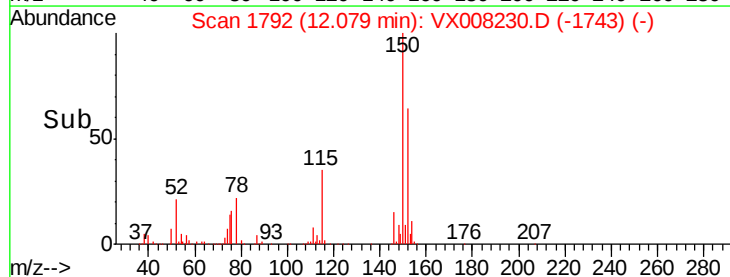
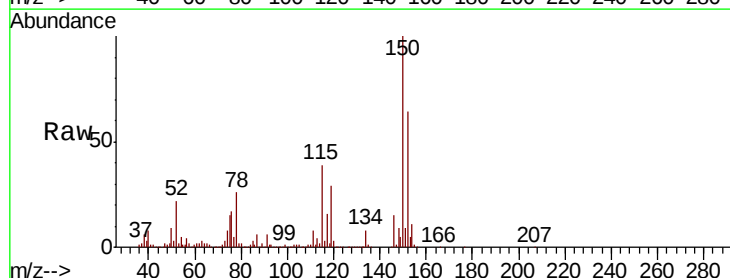
Manual Integrations
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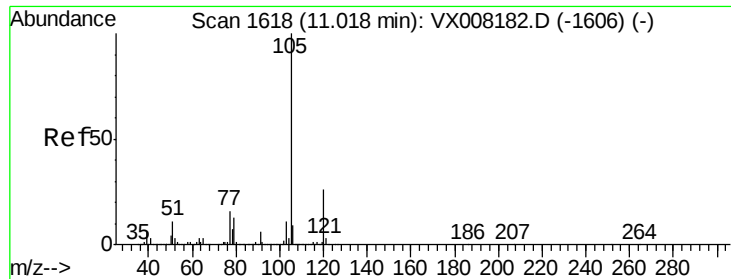
MMDadoda
3/22/2019 2:50:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	91.3	38.6	115.7
150	177.2	0.0	348.4





#73

Isopropylbenzene

Concen: 54.257 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1083766

Ion Ratio Lower Upper

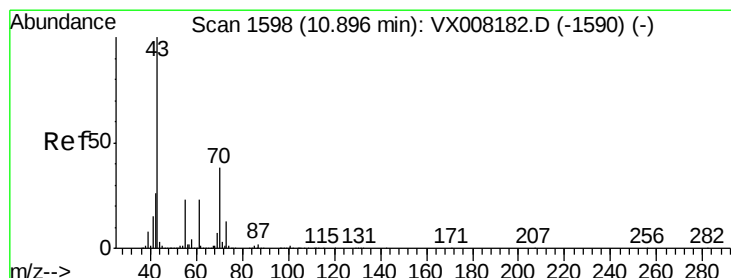
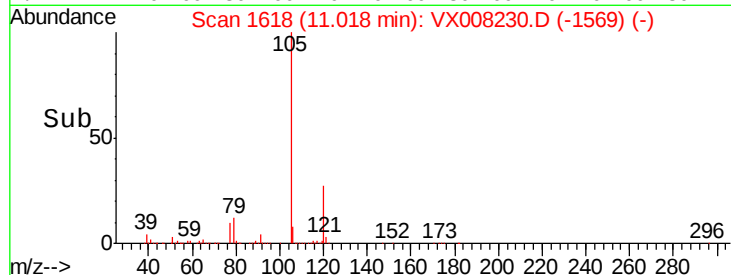
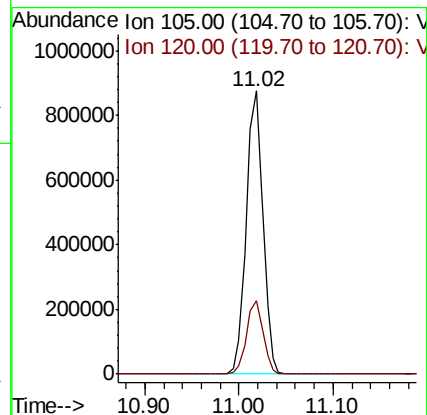
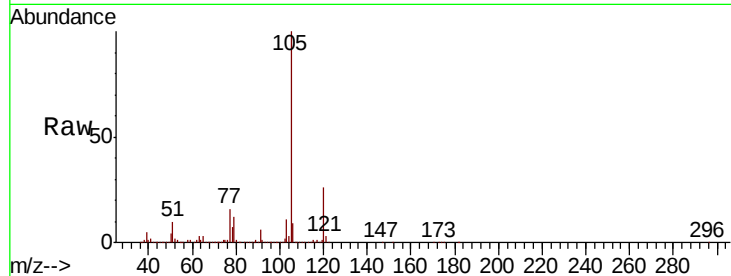
105 100

120 26.0 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 52.459 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion: 43 Resp: 549002

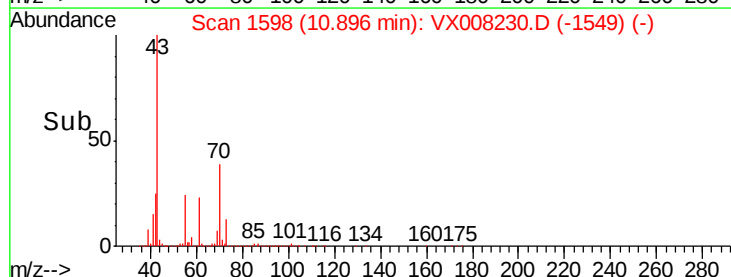
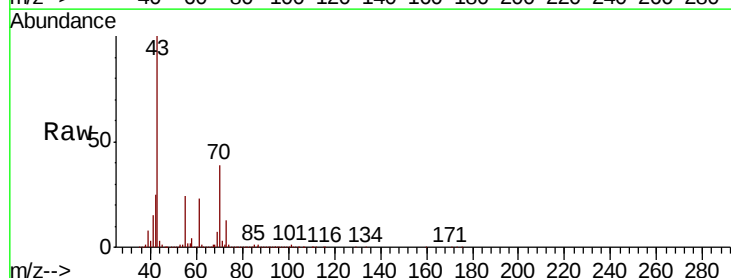
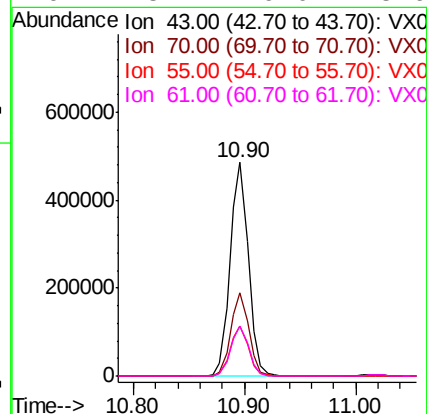
Ion Ratio Lower Upper

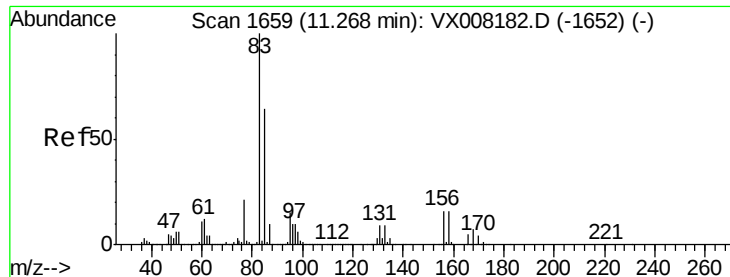
43 100

70 38.8 33.5 50.3

55 23.5 19.2 28.8

61 23.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.159 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

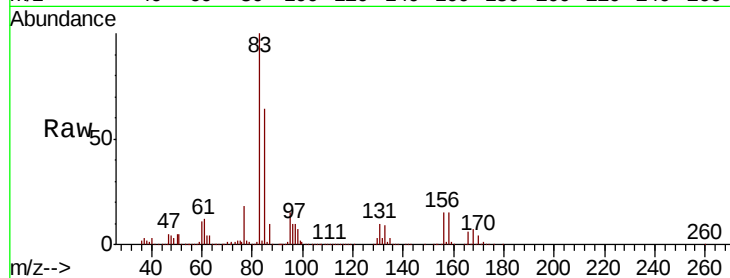
ClientSampleId :

VSTDCCC050

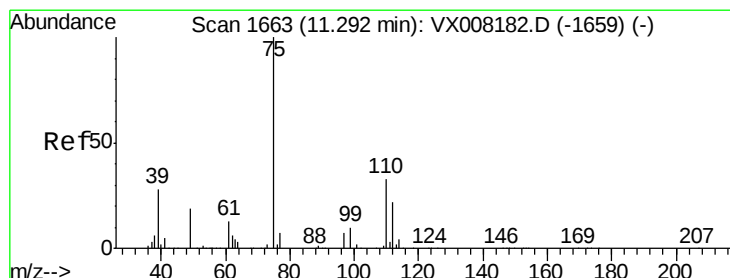
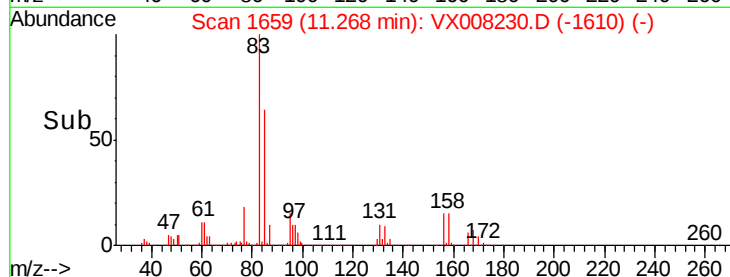
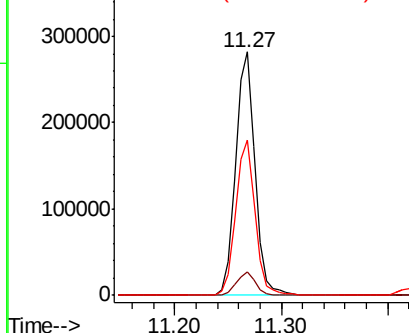
Tot Ion:	83	Resp:	359265
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.4	16.2
85	64.2	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.560 ug/l m

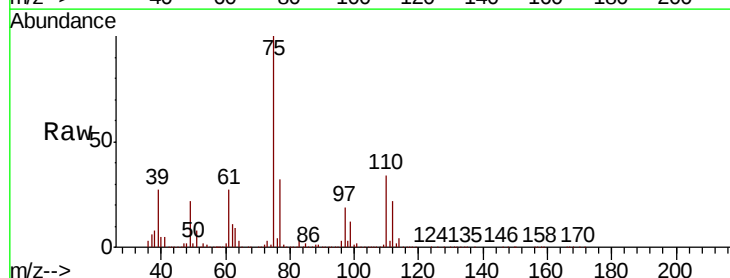
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

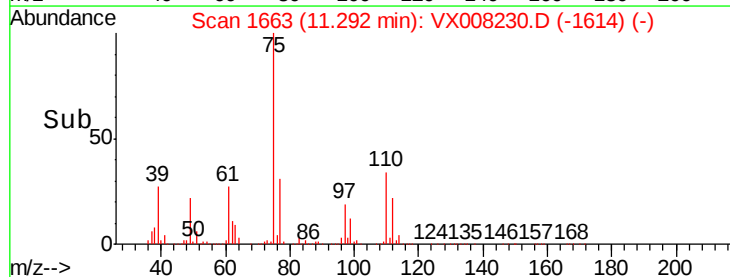
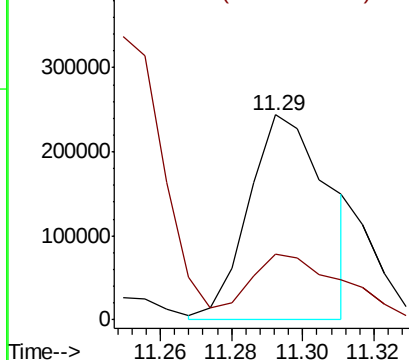
Lab File: VX008230.D

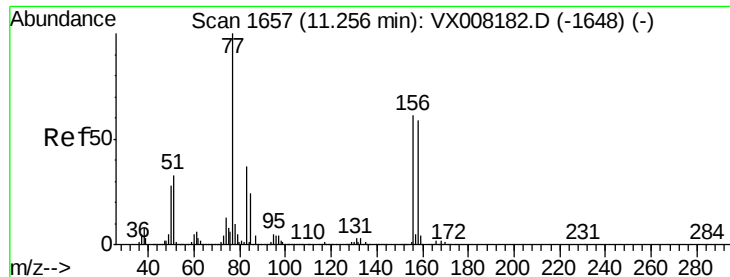
Acq: 20 Mar 2019 09:51

Tgt Ion:	75	Resp:	375401
Ion Ratio	Lower	Upper	
75	100		
77	37.9	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.020 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 256063

Ion Ratio Lower Upper

156 100

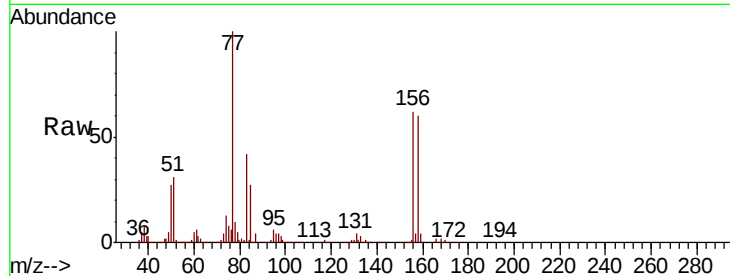
77 171.3 72.0 215.9

158 96.8 48.6 145.9

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

400000

300000

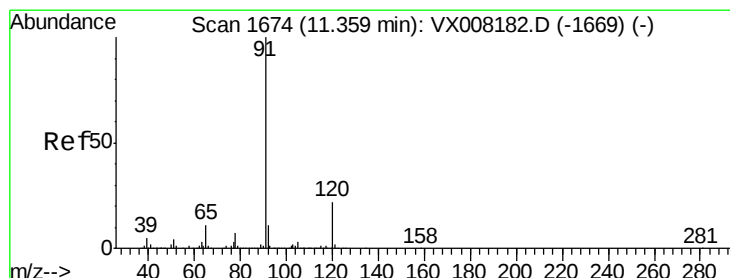
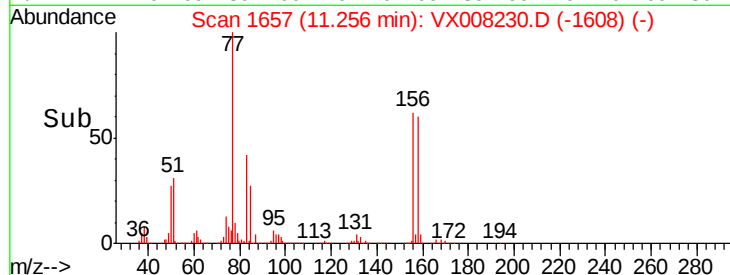
200000

100000

0

11.20 11.30

Time-->



#78

n-propylbenzene

Concen: 55.325 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008230.D

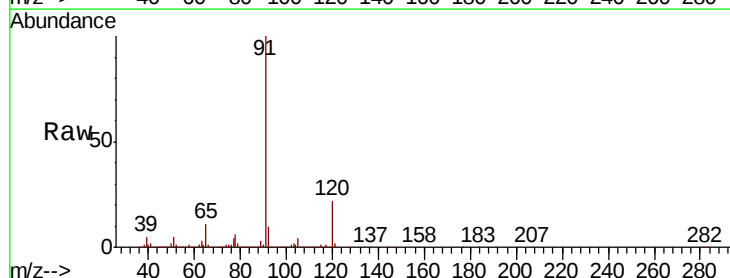
Acq: 20 Mar 2019 09:51

Tgt Ion: 91 Resp: 1283530

Ion Ratio Lower Upper

91 100

120 22.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

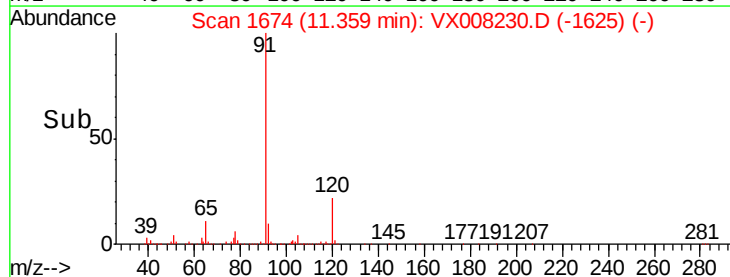
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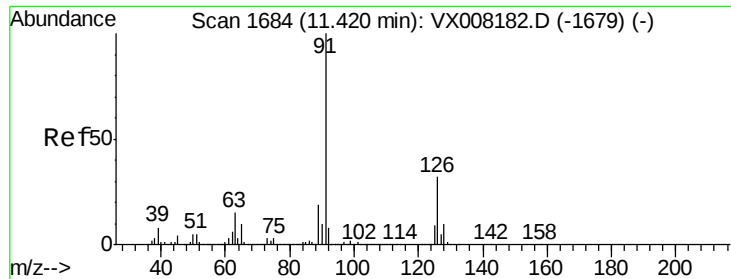
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11.30 11.35 11.40

Time-->





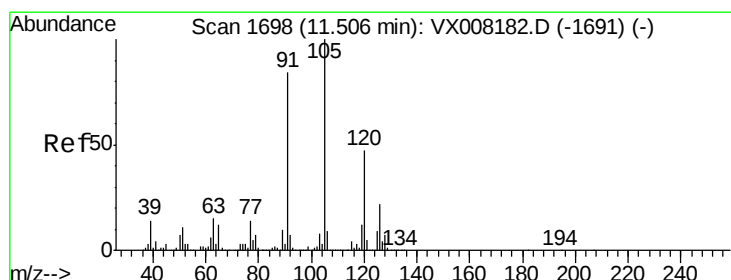
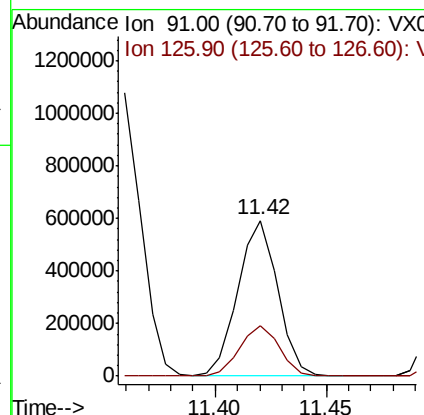
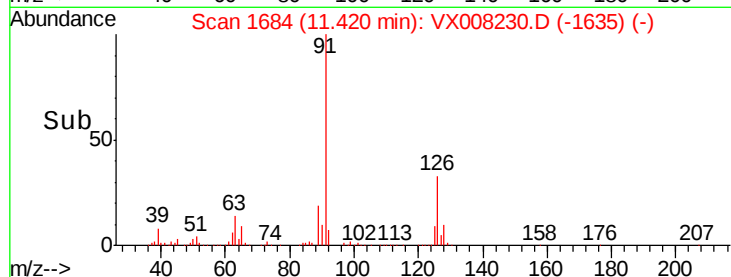
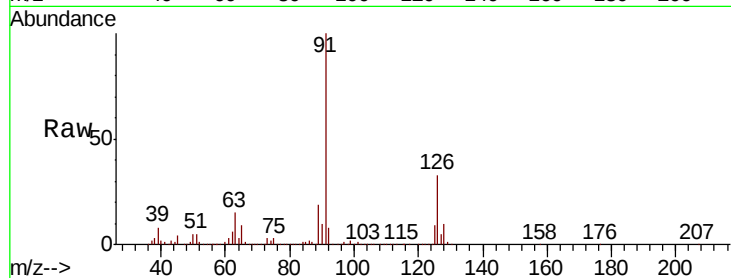
#79
 2-Chlorotoluene
 Concen: 53.020 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 738278
 Ion Ratio Lower Upper
 91 100
 126 32.6 17.5 52.6

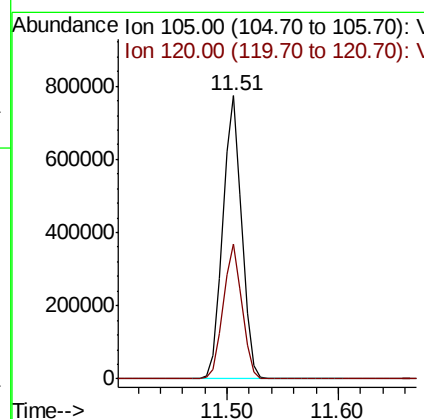
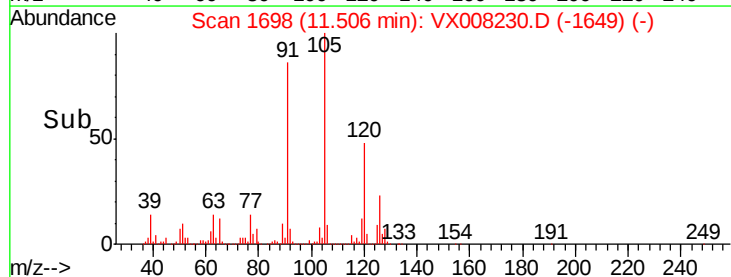
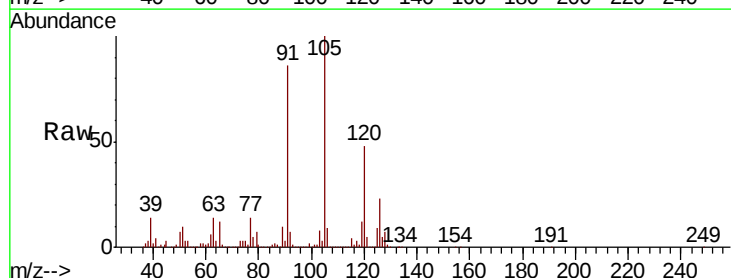
Manual Integrations
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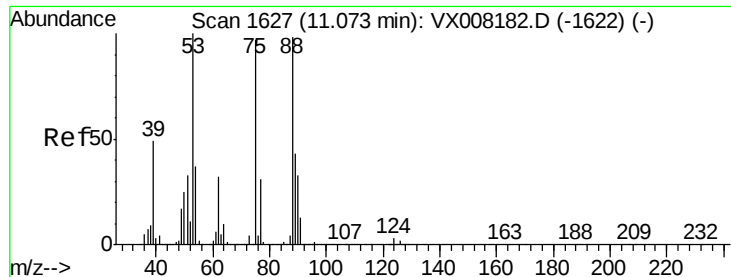
MMDadoda
 3/22/2019 2:50:33 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 54.655 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion: 105 Resp: 901933
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.9 74.6





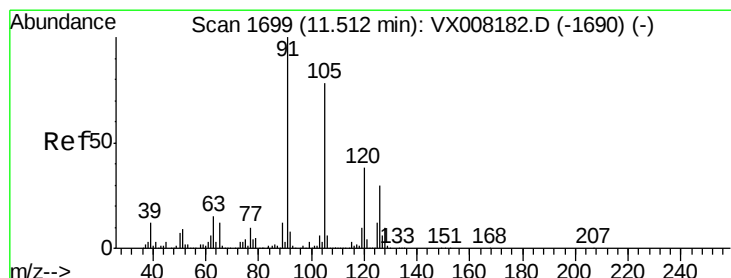
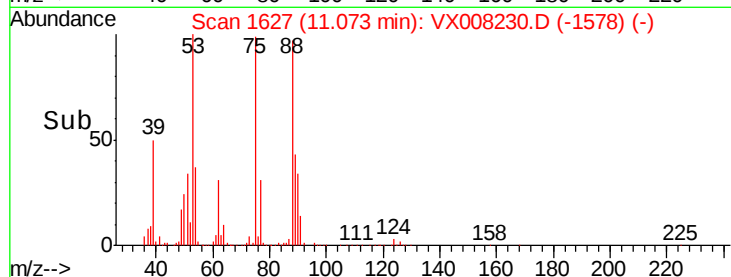
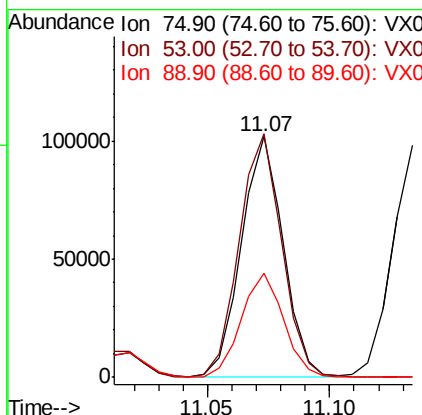
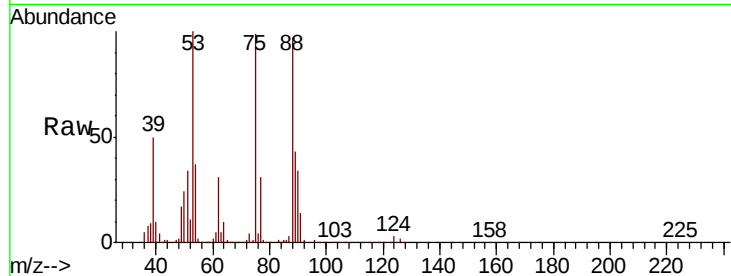
#81
trans-1,4-Dichloro-2-butene
Concen: 48.913 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.7	76.1	114.1
89	44.1	36.3	54.5

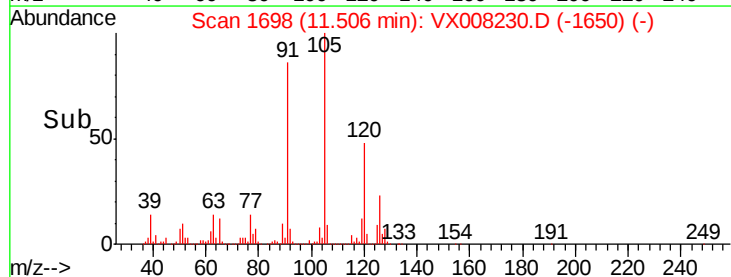
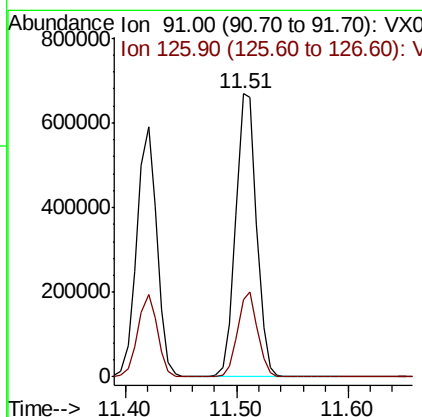
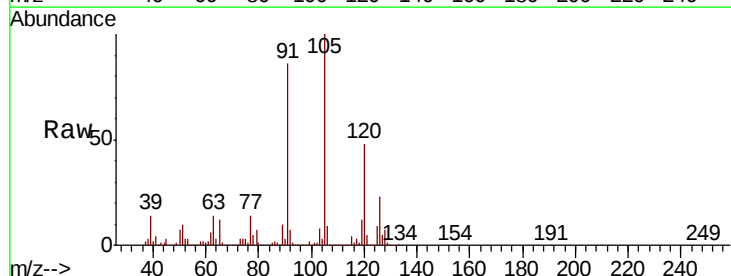
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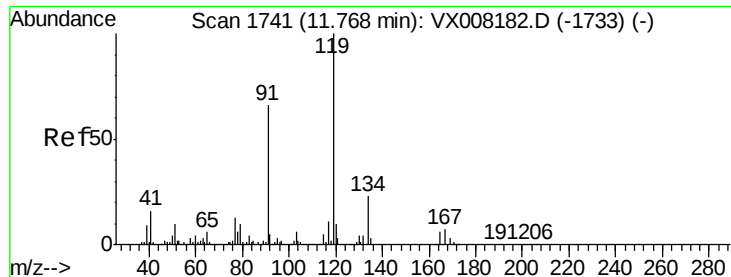
MMDadoda
3/22/2019 2:50:33 PM



#82
4-Chlorotoluene
Concen: 53.534 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	15.6	46.8





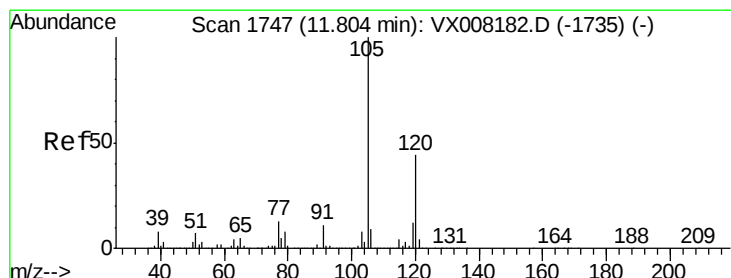
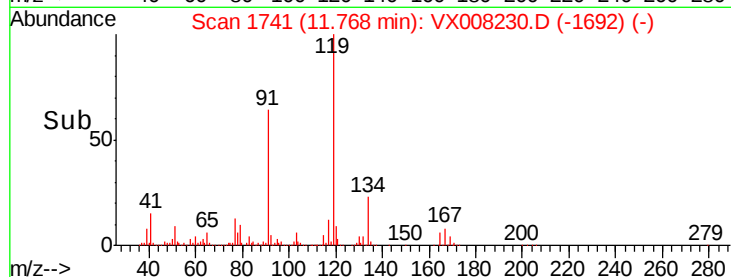
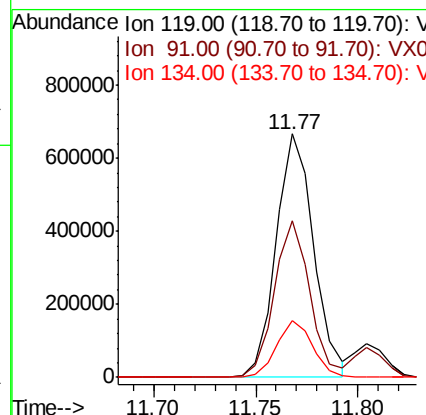
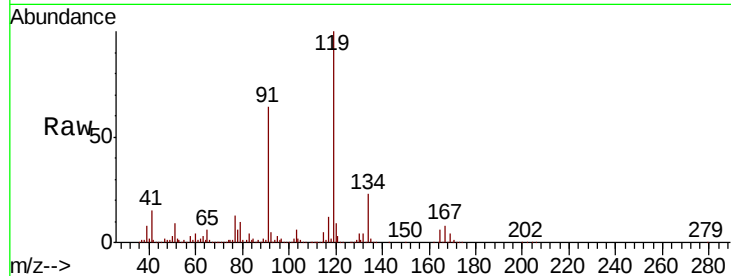
#83
tert-Butylbenzene
Concen: 54.232 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	27.1	81.3
134	22.4	11.4	34.1

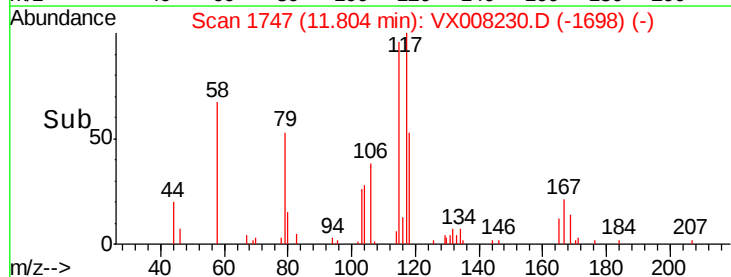
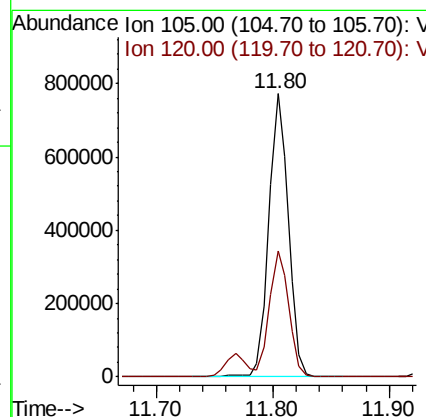
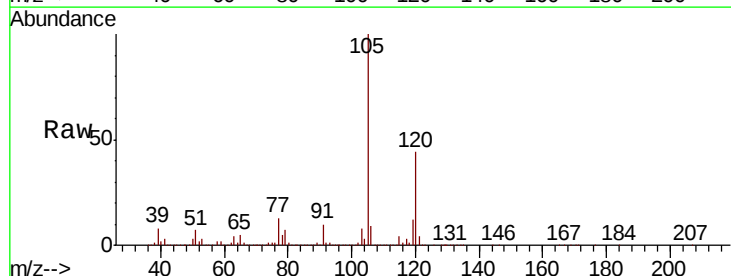
Manual Integrations
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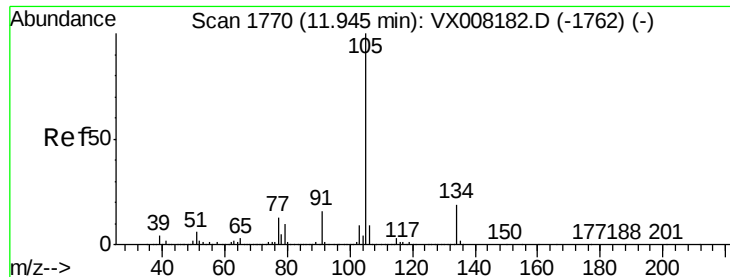
MMDadoda
3/22/2019 2:50:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.260 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.6	67.7





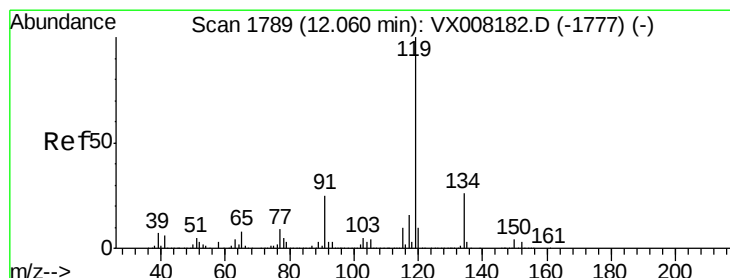
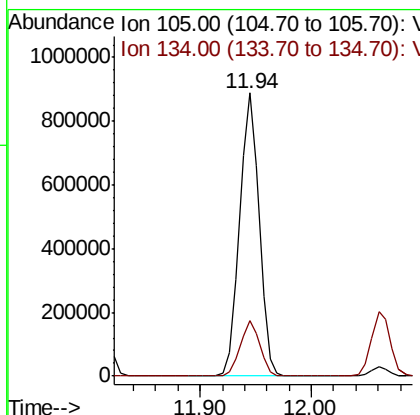
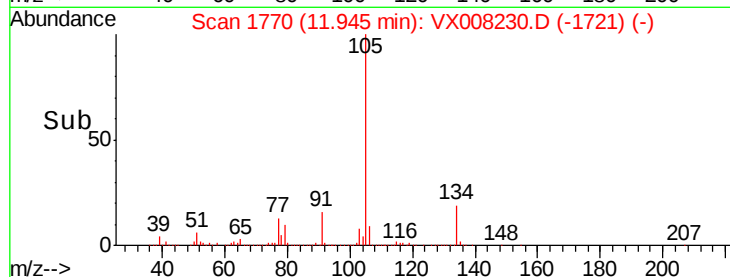
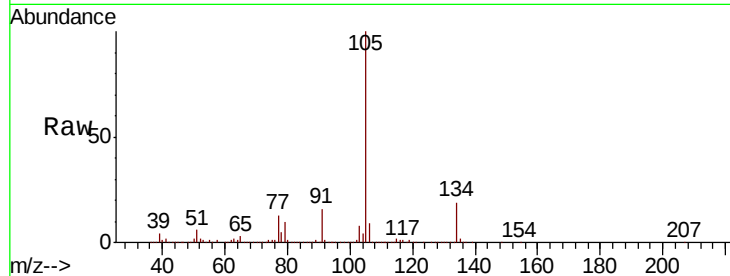
#85
 sec-Butylbenzene
 Concen: 55.214 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1077267
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.4 31.2

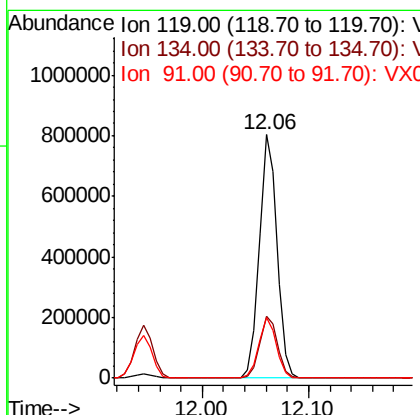
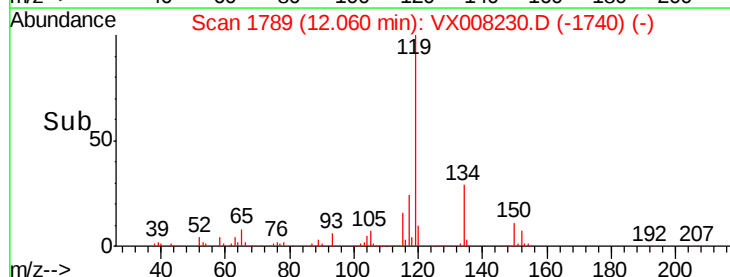
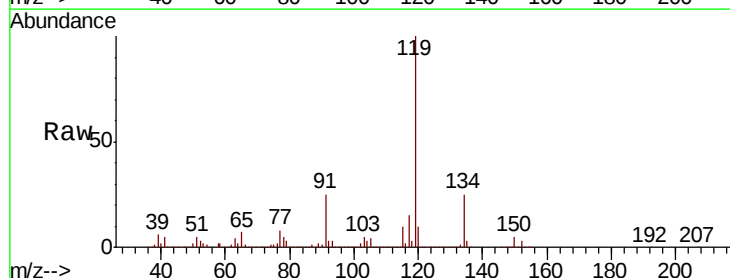
Manual Integrations
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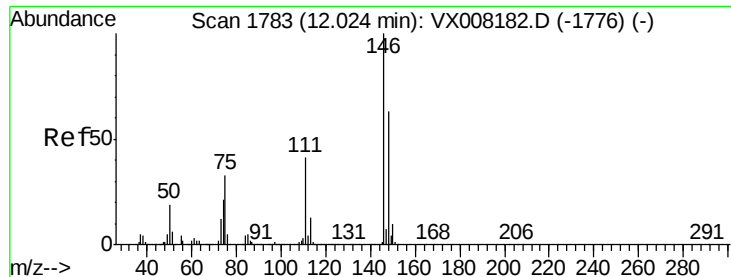
MMDadoda
 3/22/2019 2:50:33 PM



#86
 p-Isopropyltoluene
 Concen: 55.437 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion:119 Resp: 936264
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.3 39.9
 91 24.6 10.9 32.7





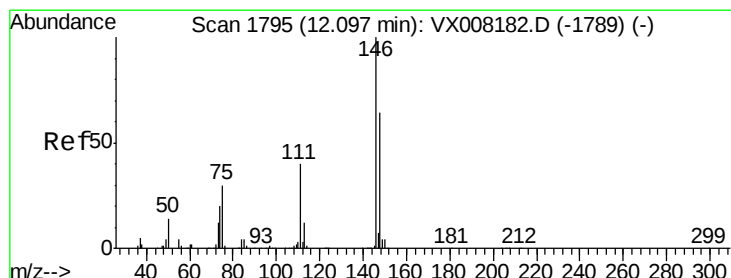
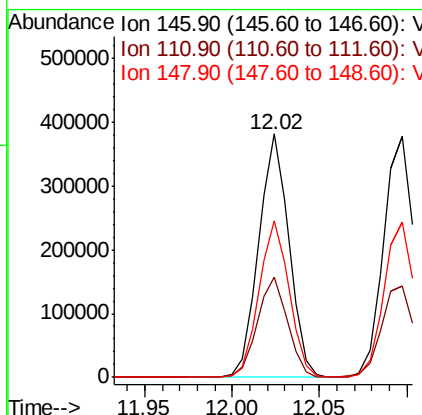
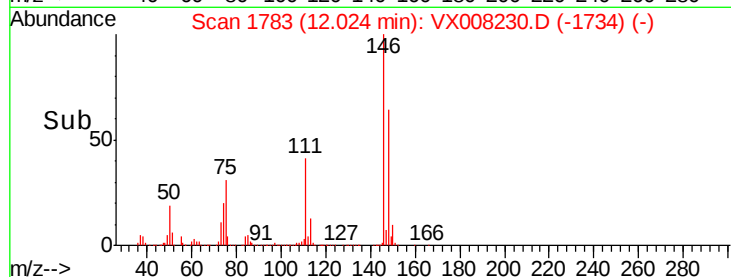
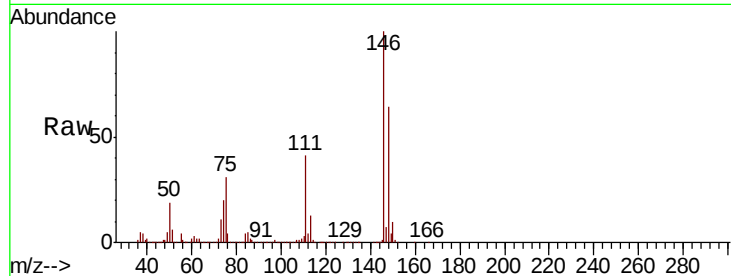
#87
 1,3-Dichlorobenzene
 Concen: 53.176 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.9	56.7
148	64.0	31.7	95.1

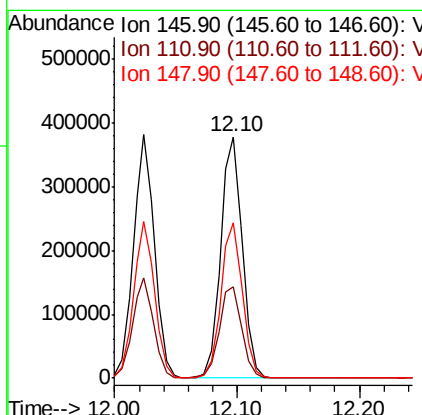
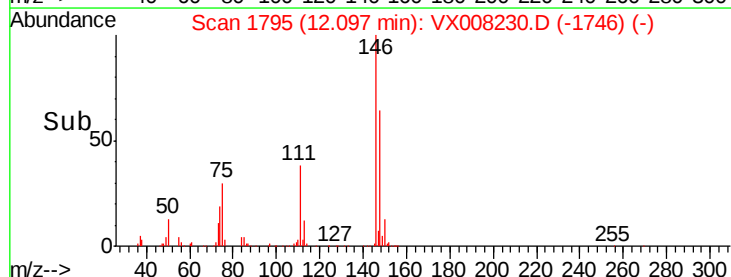
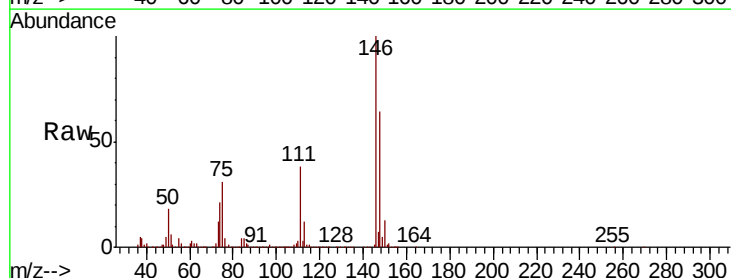
Manual Integrations
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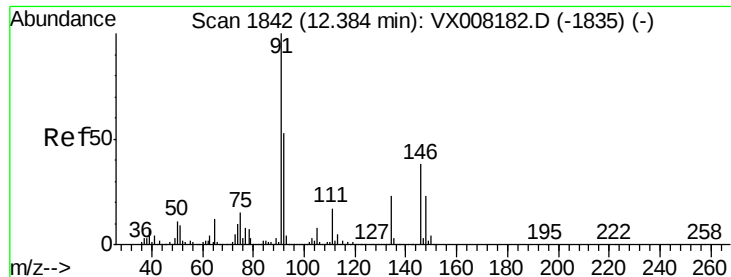
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#88
 1,4-Dichlorobenzene
 Concen: 51.648 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.4	55.0
148	64.1	32.2	96.6





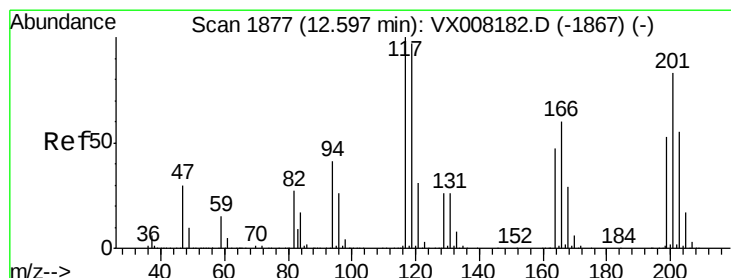
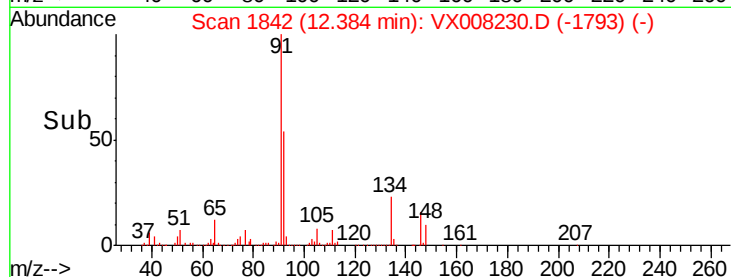
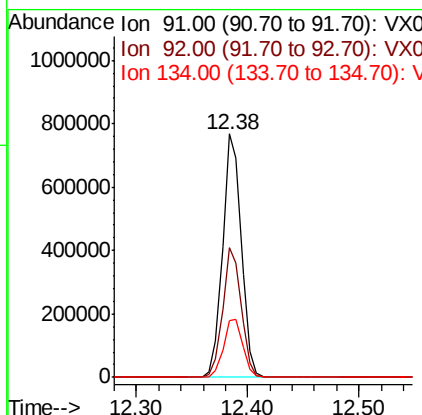
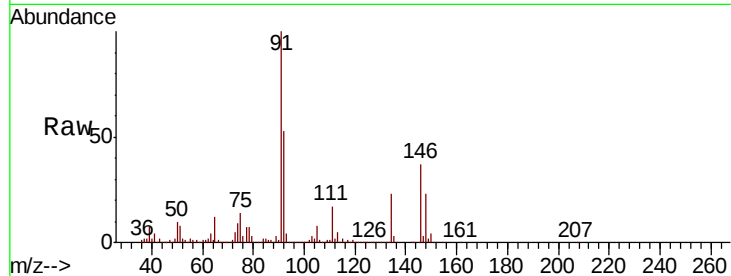
#89
n-Butylbenzene
Concen: 56.080 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.0	80.8
134	24.4	13.7	41.0

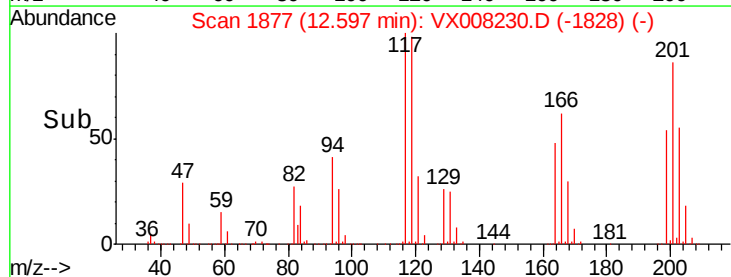
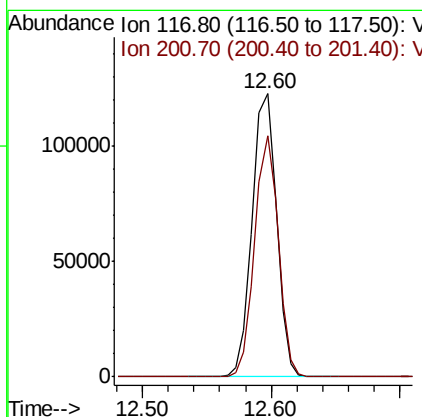
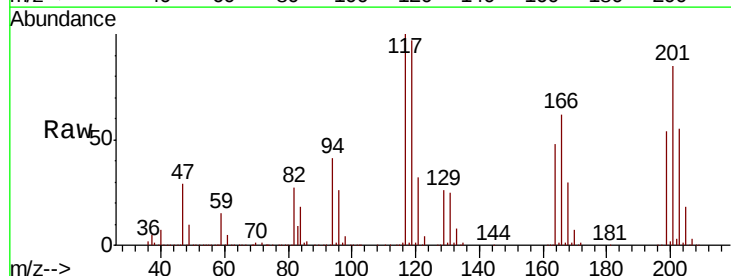
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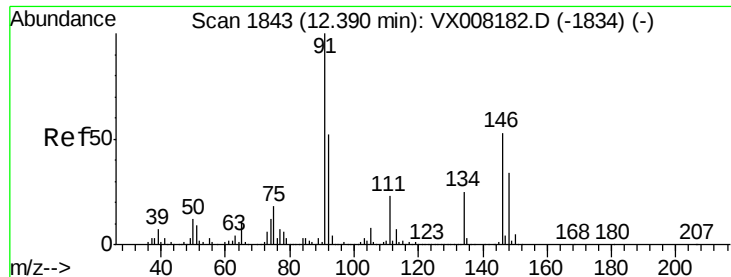
MMDadoda
3/22/2019 2:50:33 PM



#90
Hexachloroethane
Concen: 55.815 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008230.D
Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	48.9	146.7





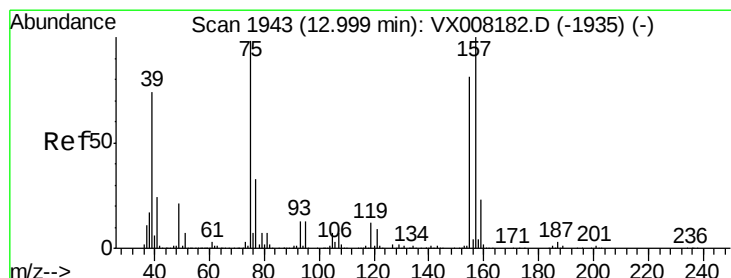
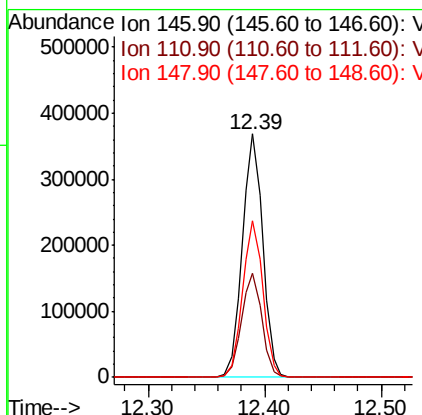
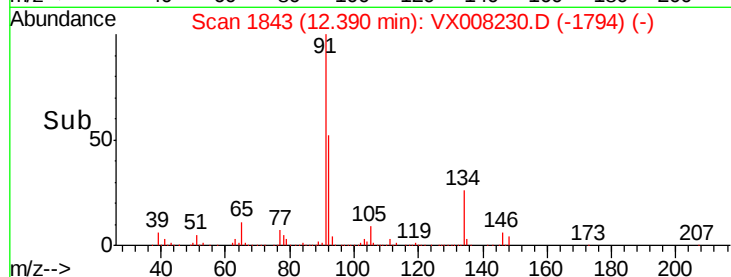
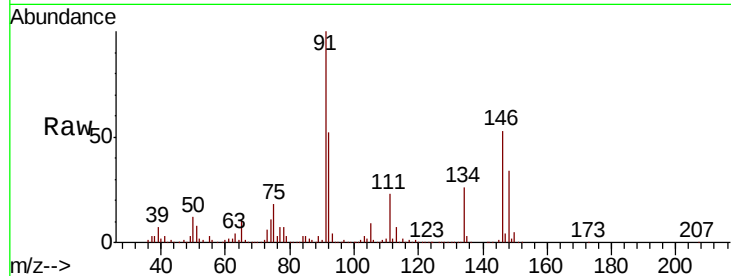
#91
 1,2-Dichlorobenzene
 Concen: 51.942 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.6	58.8
148	63.8	31.9	95.5

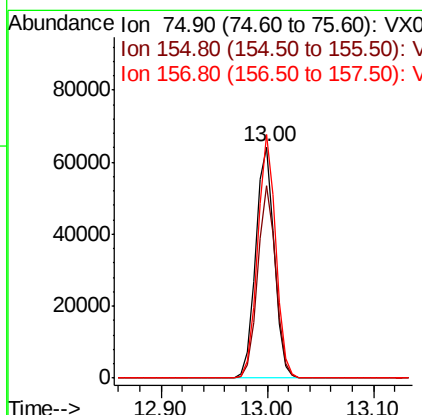
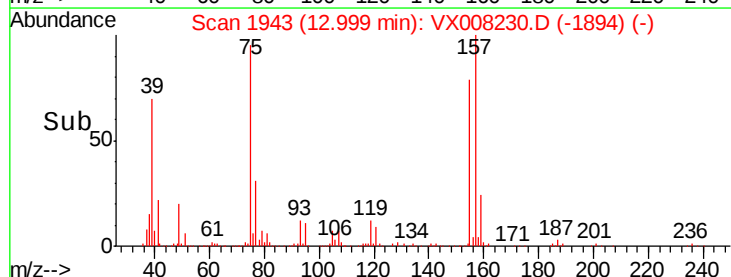
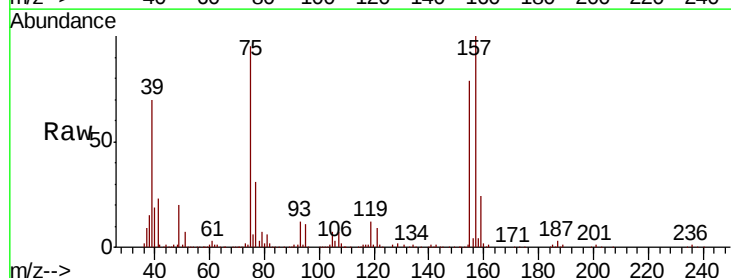
Manual Integrations
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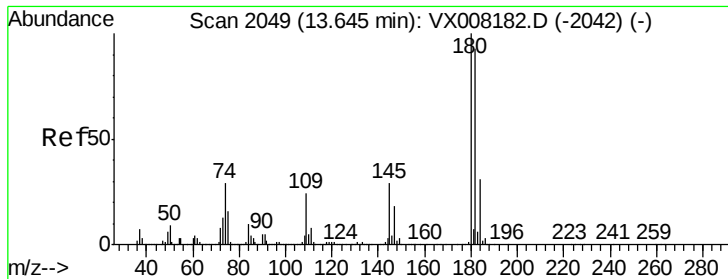
MMDadoda
 3/22/2019 2:50:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.750 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	49.7	149.1
157	102.1	63.8	191.4





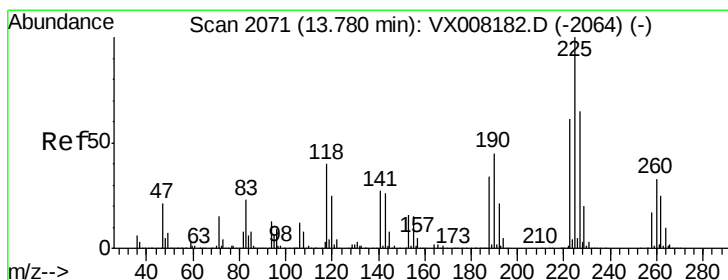
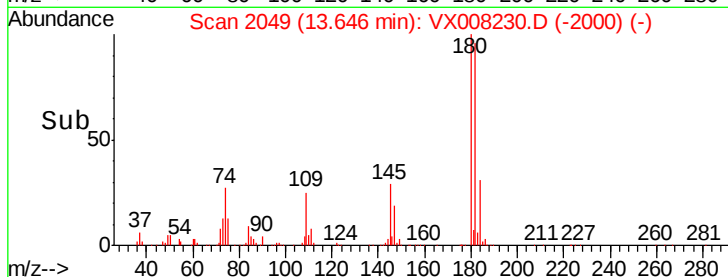
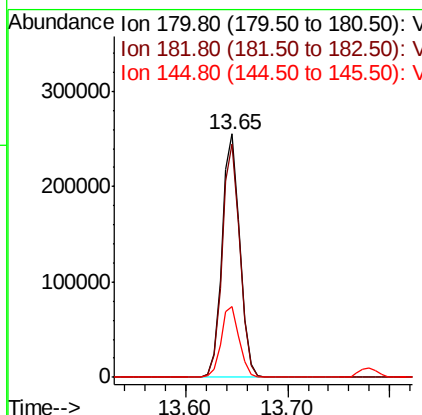
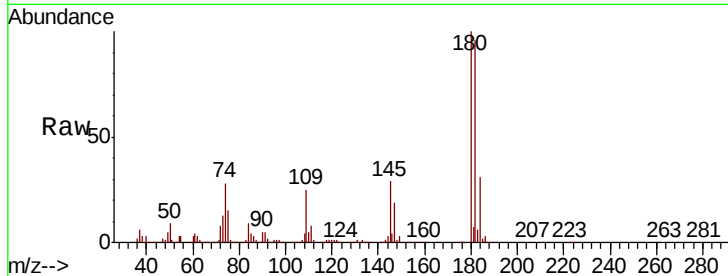
#93
 1,2,4-Trichlorobenzene
 Concen: 53.954 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	309277		
182	95.6	47.9	143.7	
145	29.8	14.1	42.4	

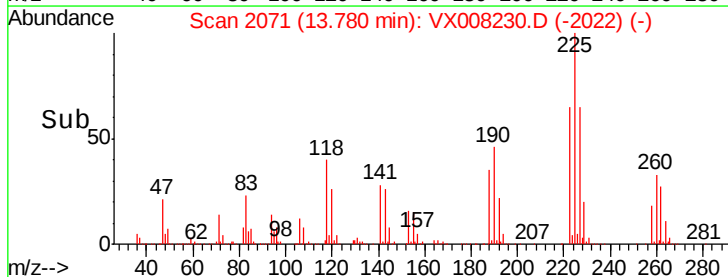
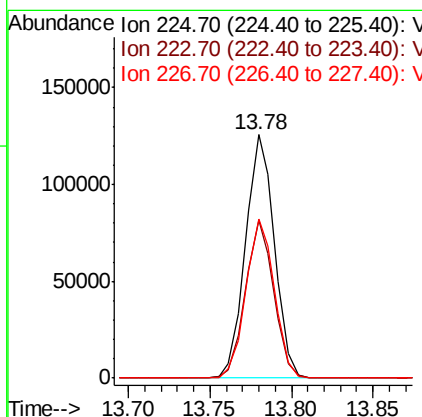
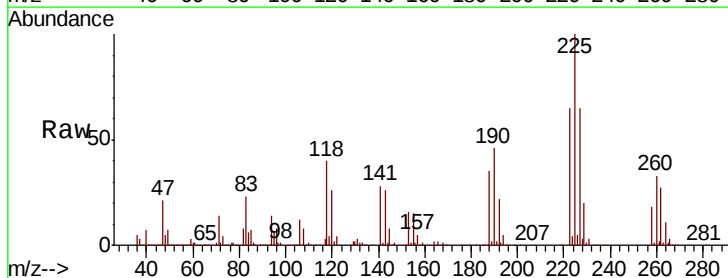
Manual Integrations
 APPROVED

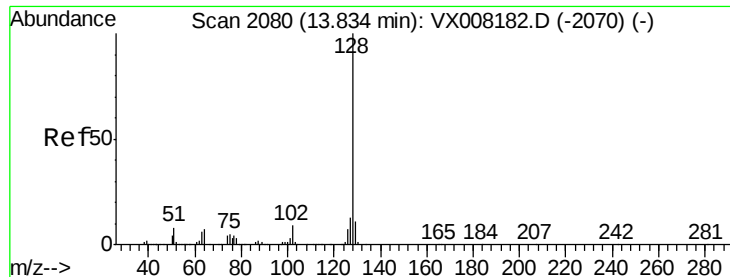
MMDadoda
 3/22/2019 2:50:33 PM



#94
 Hexachlorobutadiene
 Concen: 55.453 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008230.D
 Acq: 20 Mar 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155028		
223	63.6	31.1	93.2	
227	64.5	32.0	96.0	





#95

Naphthalene

Concen: 53.199 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Instrument :

MSVOA_X

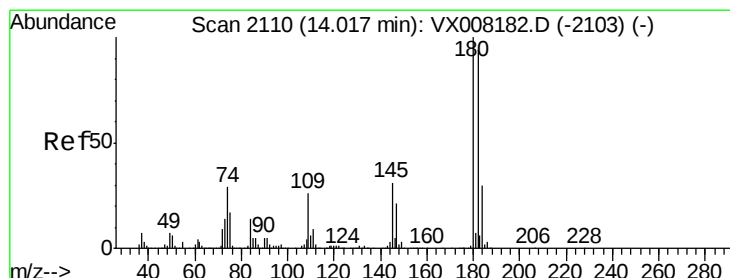
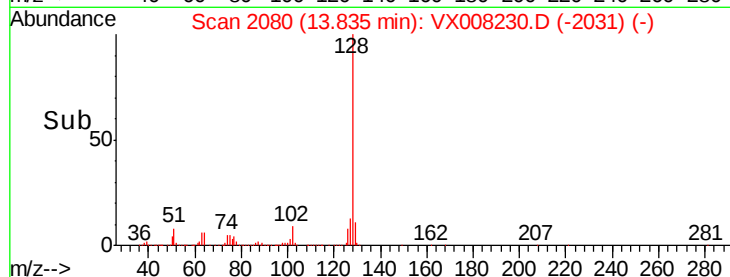
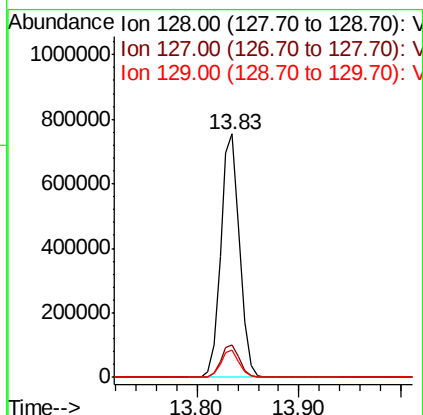
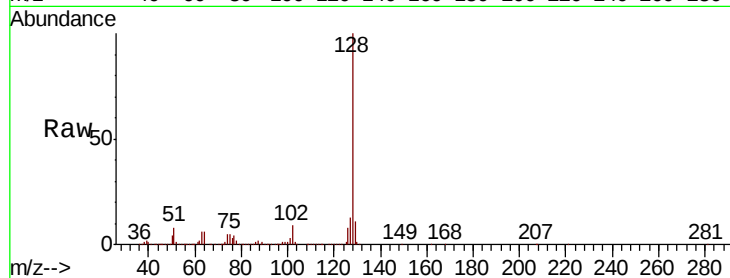
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	962494
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 2:50:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.913 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008230.D

Acq: 20 Mar 2019 09:51

Tgt Ion:	180	Resp:	304090
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.5	142.5
145	31.4	14.8	44.3

