

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008204.D
 Acq On : 19 Mar 2019 20:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 10:27:23 AM

Quant Time: Mar 20 08:17:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	489631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	433466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	207771	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	5.51	113	155401	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	8.71	98	600485	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.13	95	210947	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	175475	49.121	ug/l	99
3) Chloromethane	1.33	50	205093	45.754	ug/l	99
4) Vinyl Chloride	1.41	62	213045	47.670	ug/l	99
5) Bromomethane	1.64	94	183857	48.294	ug/l	99
6) Chloroethane	1.72	64	131893	47.068	ug/l	98
7) Trichlorofluoromethane	1.93	101	264925	46.449	ug/l	100
8) Diethyl Ether	2.19	74	151524	51.636	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	185528	48.993	ug/l	90
10) Methyl Iodide	2.51	142	253647	52.605	ug/l	97
11) Tert butyl alcohol	3.05	59	238098	250.634	ug/l	98
12) 1,1-Dichloroethene	2.37	96	179773	50.285	ug/l	90
13) Acrolein	2.29	56	145723	216.451	ug/l	99
14) Allyl chloride	2.73	41	394344	50.671	ug/l	92
15) Acrylonitrile	3.15	53	639917	254.671	ug/l	99
16) Acetone	2.45	43	557429	221.478	ug/l	97
17) Carbon Disulfide	2.57	76	558525	47.890	ug/l	100
18) Methyl Acetate	2.78	43	310335	53.260	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	665985	51.521	ug/l	99
20) Methylene Chloride	2.86	84	205040	48.855	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	190469	49.316	ug/l	93
22) Diisopropyl ether	3.86	45	786606	51.607	ug/l	91
23) Vinyl Acetate	3.82	43	3454269	264.334	ug/l	98
24) 1,1-Dichloroethane	3.70	63	399164	50.918	ug/l	99
25) 2-Butanone	4.67	43	935631	251.836	ug/l	97
26) 2,2-Dichloropropane	4.59	77	275141	46.590	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	223277	50.712	ug/l	92
28) Bromochloromethane	5.02	49	167995	47.724	ug/l #	82
29) Tetrahydrofuran	5.13	42	616075	265.263	ug/l	97
30) Chloroform	5.21	83	375341	51.185	ug/l	100
31) Cyclohexane	5.58	56	377258	51.248	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	314860	51.616	ug/l	96
36) 1,1-Dichloropropene	5.81	75	290876	51.025	ug/l	96
37) Ethyl Acetate	4.84	43	355851	52.807	ug/l	98
38) Carbon Tetrachloride	5.79	117	263623	51.902	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	342188	49.881	ug/l	92
40) Benzene	6.15	78	869054	51.507	ug/l	100
41) Methacrylonitrile	5.04	41	202717	53.630	ug/l	97
42) 1,2-Dichloroethane	6.20	62	318251	51.489	ug/l	95
43) Isopropyl Acetate	6.45	43	572336	52.987	ug/l	97
44) Trichloroethene	7.21	130	211791	51.337	ug/l	91
45) 1,2-Dichloropropane	7.51	63	243268	51.504	ug/l	99
46) Dibromomethane	7.66	93	144782	50.627	ug/l	87
47) Bromodichloromethane	7.90	83	288463	52.928	ug/l	99
48) Methyl methacrylate	7.77	41	302876	52.736	ug/l	93
49) 1,4-Dioxane	7.74	88	103037	1016.655	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	1857043	265.938	ug/l	98
52) Toluene	8.79	92	517845	51.733	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	321764	47.223	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	351232	51.927	ug/l #	91
55) 1,1,2-Trichloroethane	9.21	97	212653	52.581	ug/l	98
56) Ethyl methacrylate	9.18	69	357083	50.333	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	375514	52.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	801278	241.813	ug/l	94
59) 2-Hexanone	9.49	43	1388333	258.243	ug/l	96
60) Dibromochloromethane	9.58	129	212440	54.657	ug/l	99
61) 1,2-Dibromoethane	9.67	107	222538	52.698	ug/l	98
64) Tetrachloroethene	9.34	164	202531	51.789	ug/l	97
65) Chlorobenzene	10.14	112	544825	51.081	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	196639	52.878	ug/l	99
67) Ethyl Benzene	10.25	91	986972	52.511	ug/l	97
68) m/p-Xylenes	10.36	106	726023	105.155	ug/l	94
69) o-Xylene	10.70	106	354045	52.772	ug/l	95
70) Styrene	10.71	104	579665	53.165	ug/l	96
71) Bromoform	10.85	173	154348	48.252	ug/l #	100
73) Isopropylbenzene	11.02	105	939163	51.659	ug/l	98
74) N-amyl acetate	10.90	43	489363	51.376	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	323970	49.696	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	280715m	48.934	ug/l	
77) Bromobenzene	11.26	156	223106	50.756	ug/l	85
78) n-propylbenzene	11.36	91	1101026	52.143	ug/l	96
79) 2-Chlorotoluene	11.42	91	643014	50.736	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	775938	51.661	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	103736	46.211	ug/l	93
82) 4-Chlorotoluene	11.51	91	748304	50.740	ug/l	95
83) tert-Butylbenzene	11.77	119	735885	51.318	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	791581	51.986	ug/l	97
85) sec-Butylbenzene	11.94	105	928446	52.283	ug/l	96
86) p-Isopropyltoluene	12.06	119	789935	51.390	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	393055	50.035	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	393671	48.448	ug/l	98
89) n-Butylbenzene	12.39	91	734119	50.884	ug/l	97
90) Hexachloroethane	12.60	117	139274	53.201	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	394891	49.855	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	71657	49.489	ug/l	79

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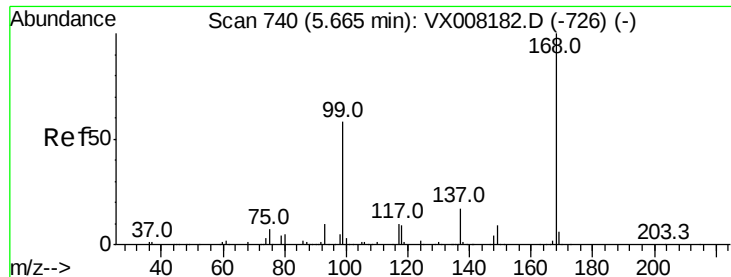
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	256541	49.171	ug/l	98
94) Hexachlorobutadiene	13.78	225	125892	49.476	ug/l	99
95) Naphthalene	13.83	128	850069	51.623	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	254763	49.626	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 294646

Ion Ratio Lower Upper

168 100

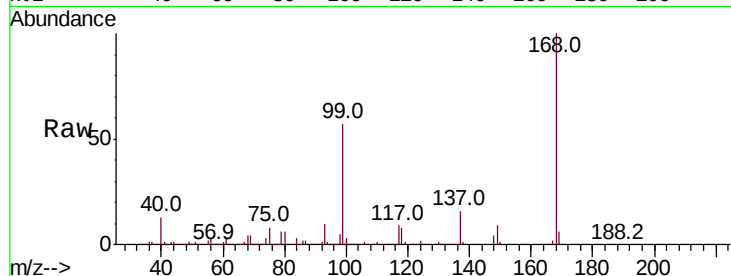
99 56.3 37.6 56.4

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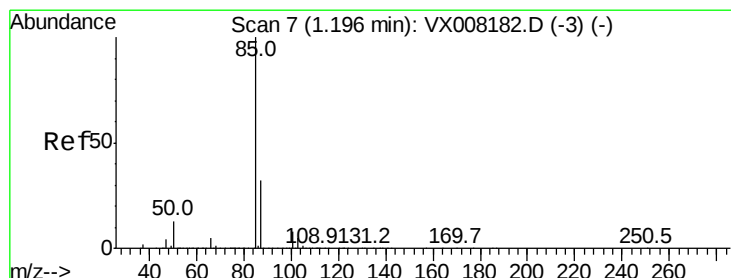
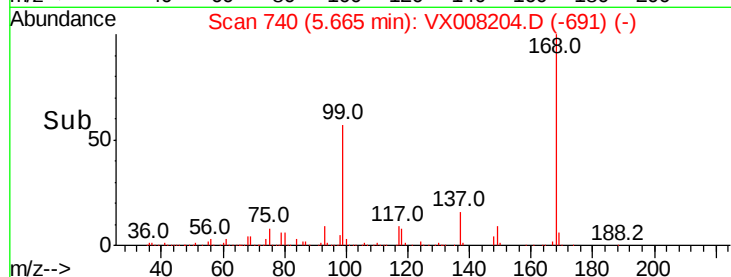


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 49.121 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008204.D

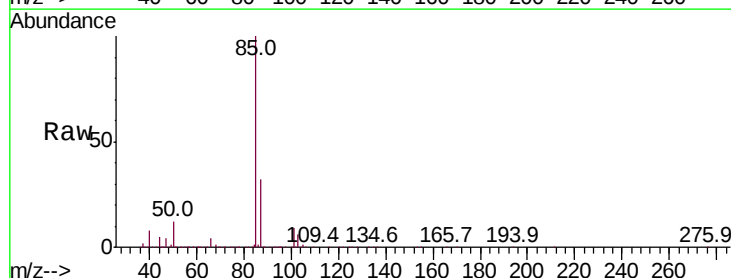
Acq: 19 Mar 2019 20:59

Tgt Ion: 85 Resp: 175475

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1

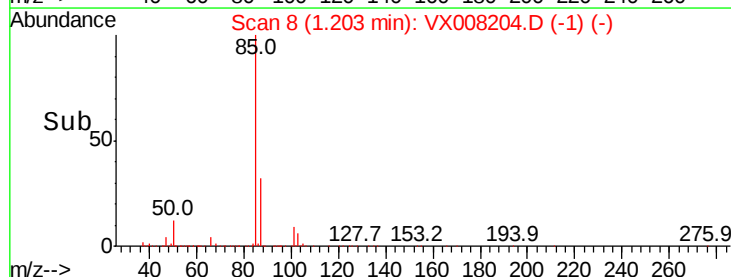


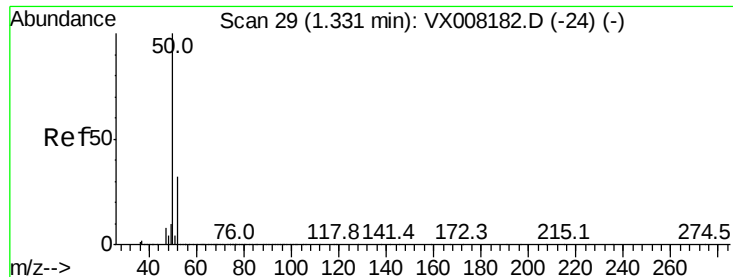
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 45.754 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 205093

Ion Ratio Lower Upper

50 100

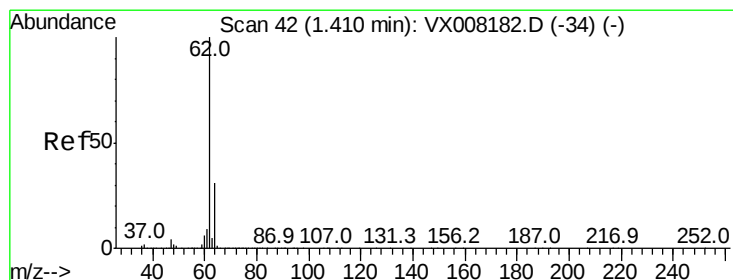
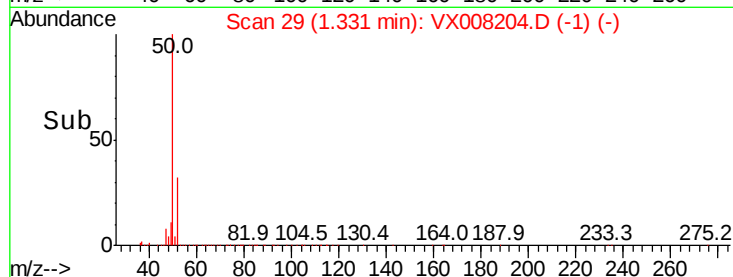
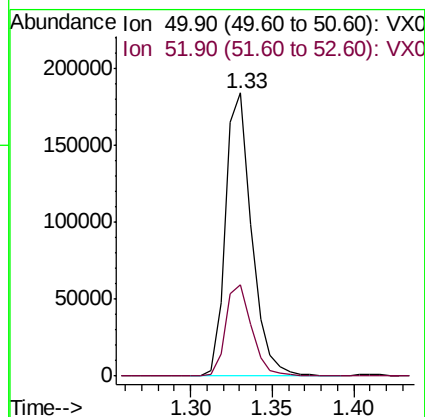
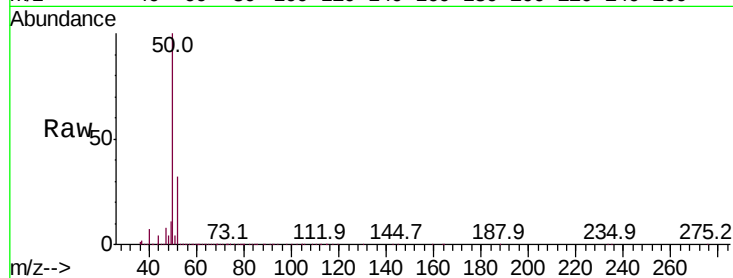
52 32.3 26.5 39.7

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#4

Vinyl Chloride

Concen: 47.670 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008204.D

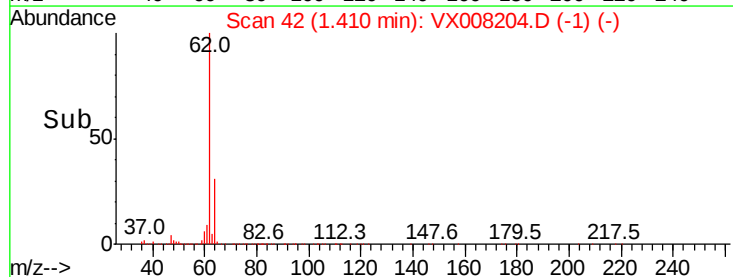
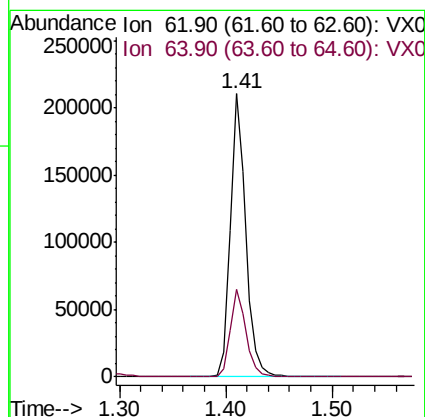
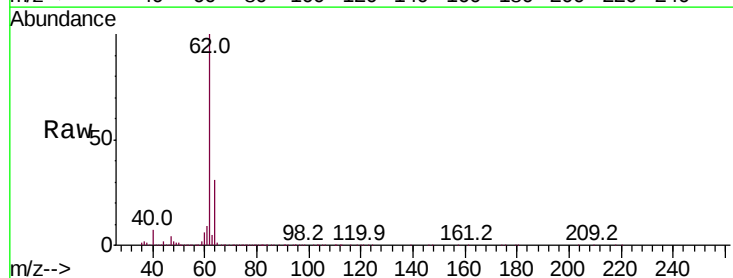
Acq: 19 Mar 2019 20:59

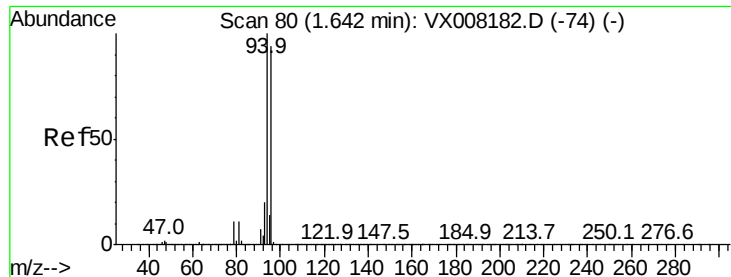
Tgt Ion: 62 Resp: 213045

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 48.294 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 183857

Ion Ratio Lower Upper

94 100

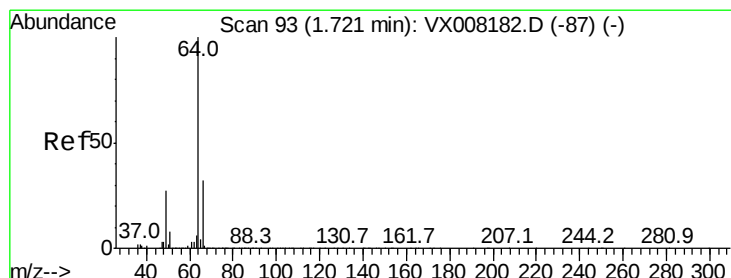
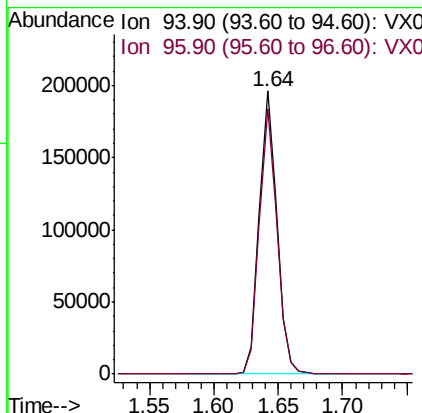
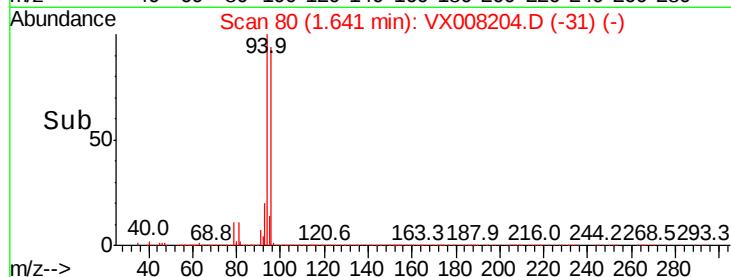
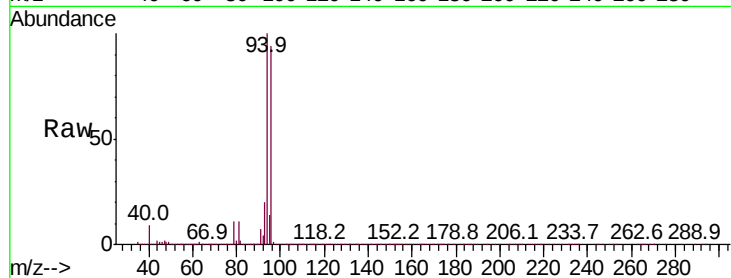
96 93.8 75.5 113.3

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#6

Chloroethane

Concen: 47.068 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008204.D

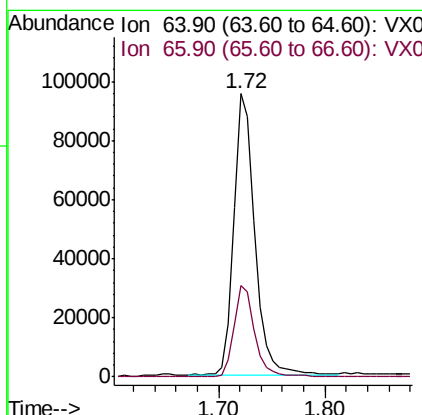
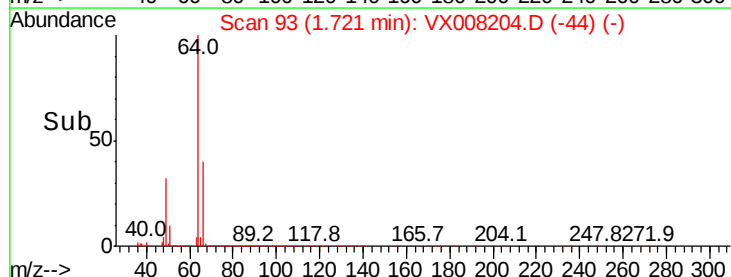
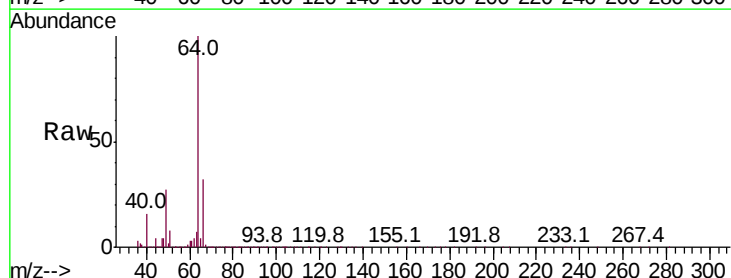
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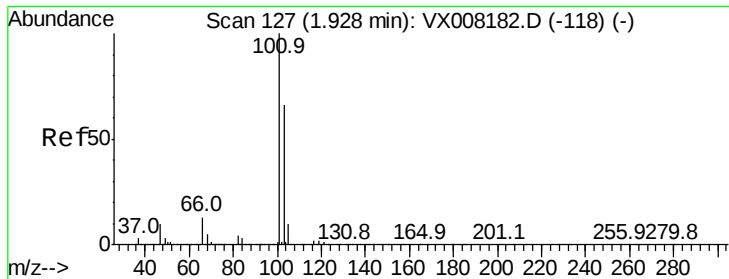
Tgt Ion: 64 Resp: 131893

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8





#7

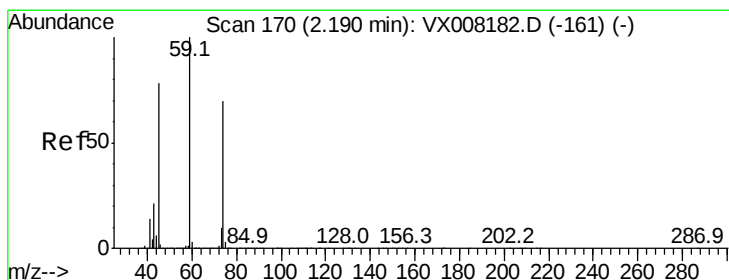
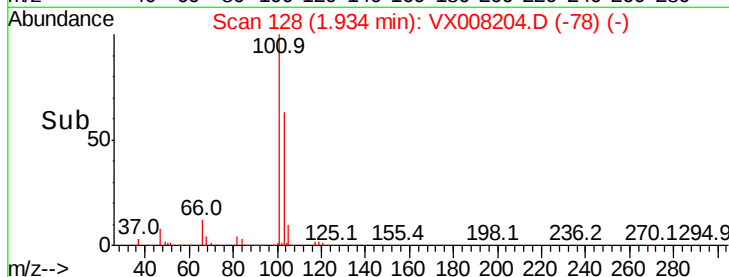
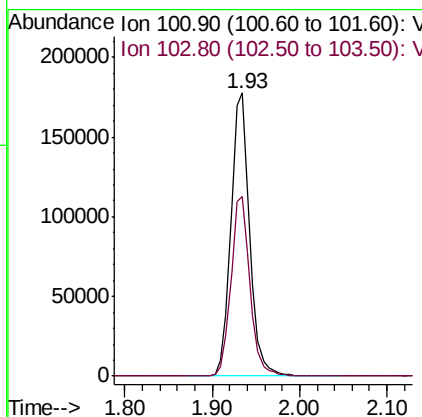
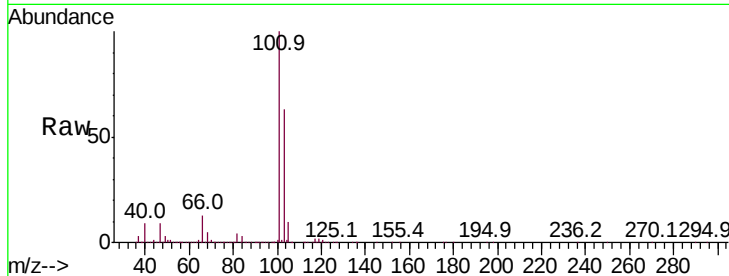
Trichlorofluoromethane
Concen: 46.449 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.4	75.6

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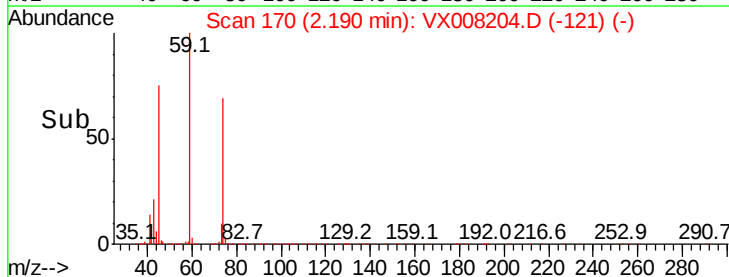
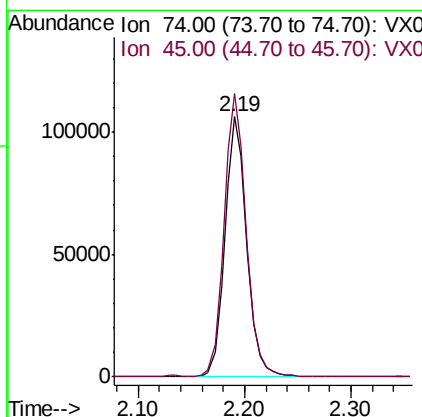
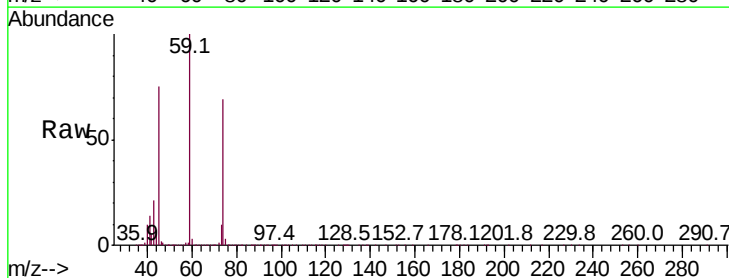
MMDadoda
3/20/2019 10:27:23 AM

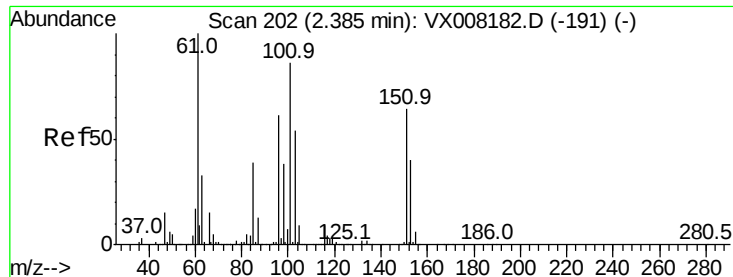


#8

Diethyl Ether
Concen: 51.636 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.993 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

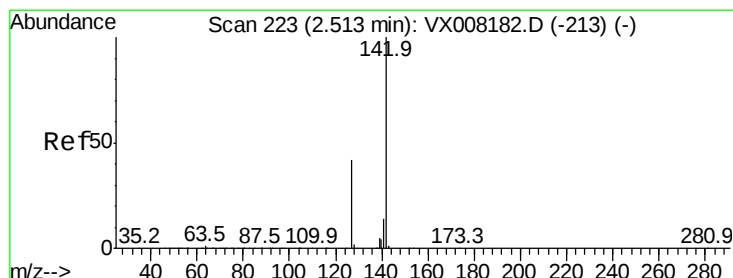
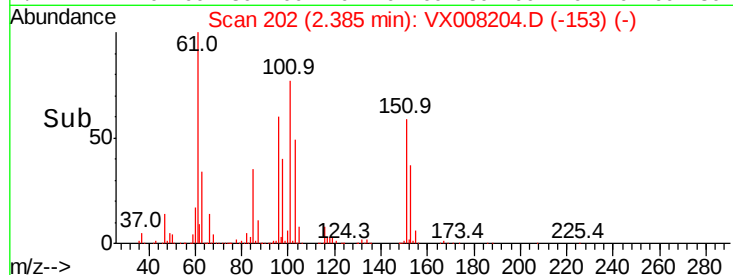
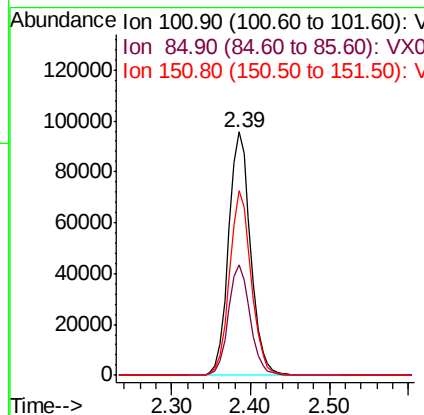
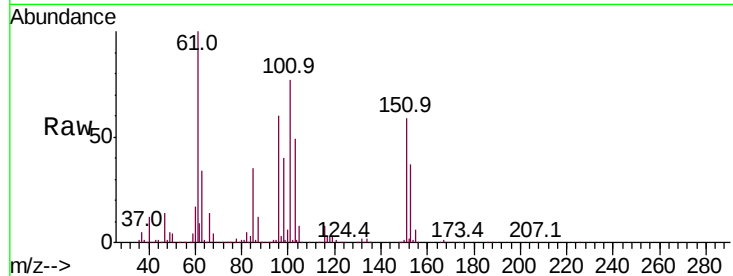
ClientSampleId :

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Tot Ion:	101	Resp:	185528
Ion Ratio	Lower	Upper	
101	100		
85	44.7	33.8	50.6
151	74.9	69.1	103.7

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#10

Methyl Iodide

Concen: 52.605 ug/l

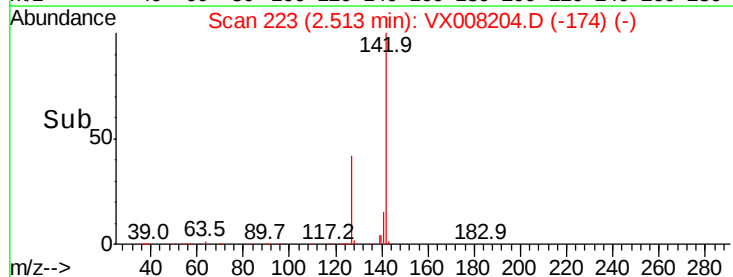
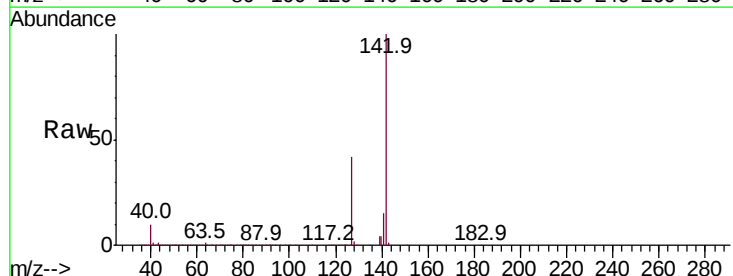
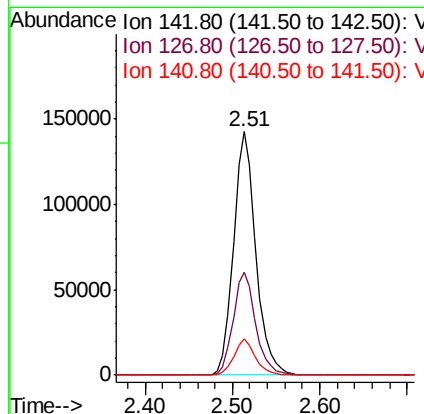
RT: 2.51 min Scan# 223

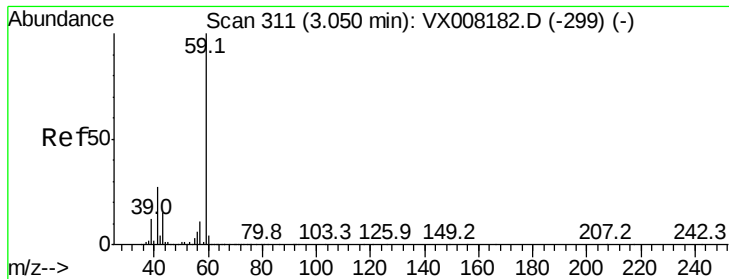
Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion:	142	Resp:	253647
Ion Ratio	Lower	Upper	
142	100		
127	42.8	32.1	48.1
141	14.3	11.4	17.2





#11

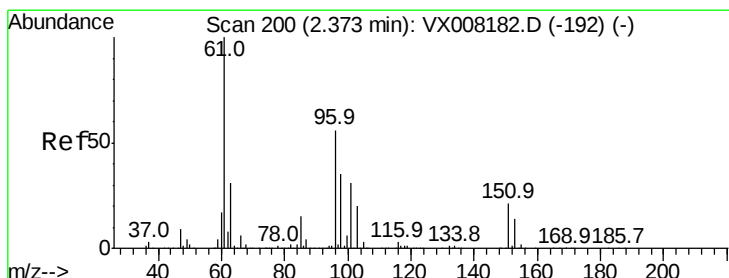
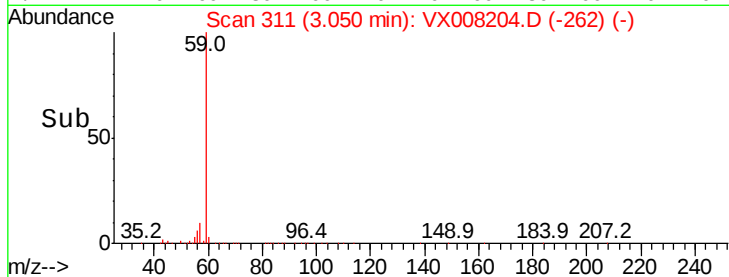
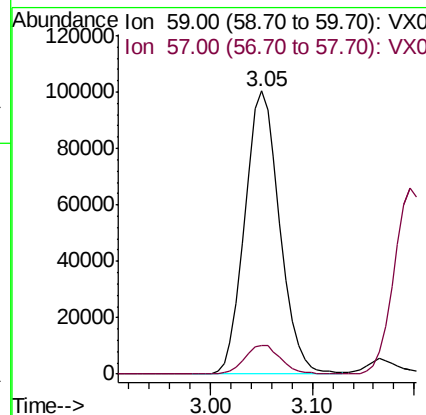
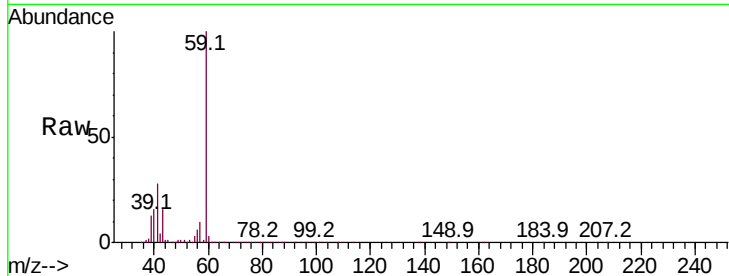
Tert butyl alcohol
 Concen: 250.634 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX008204.D
 Acq: 19 Mar 2019 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2

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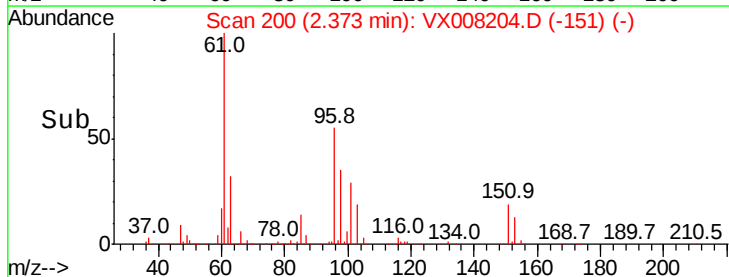
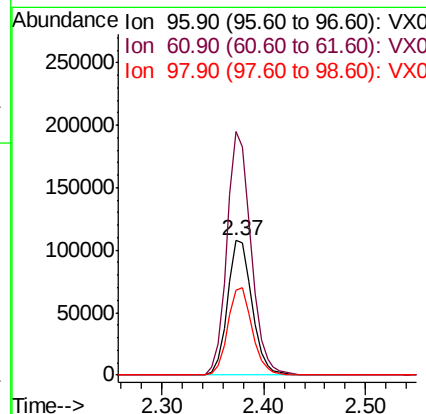
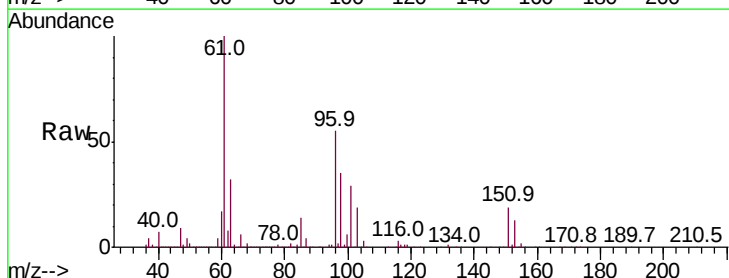
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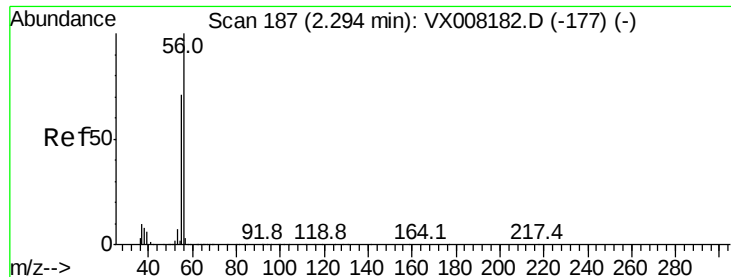


#12

1,1-Dichloroethene
 Concen: 50.285 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008204.D
 Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.6	129.8	194.6
98	63.3	51.0	76.6





#13

Acrolein

Concen: 216.451 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 145723

Ion Ratio Lower Upper

56 100

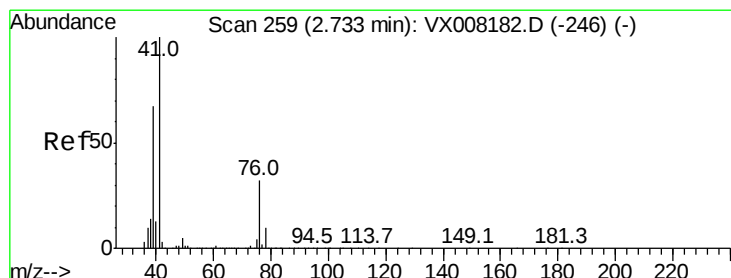
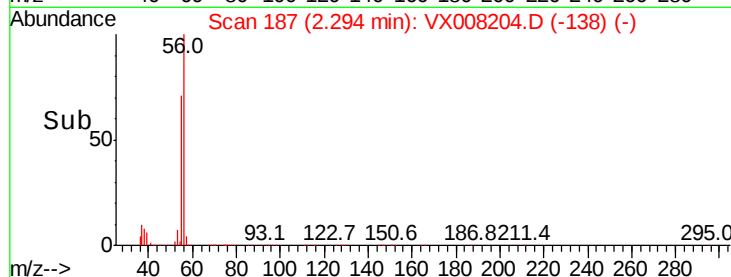
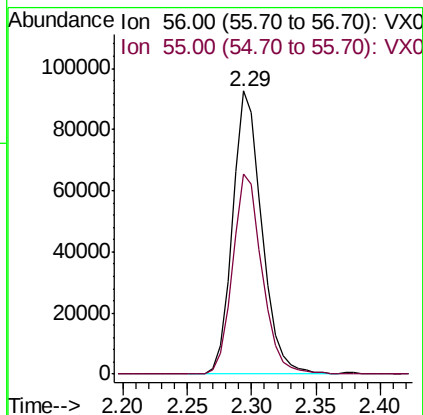
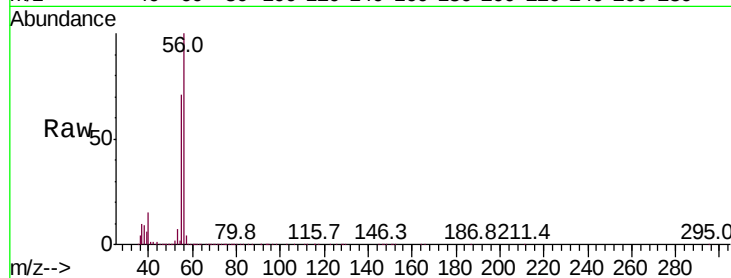
55 71.7 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 50.671 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

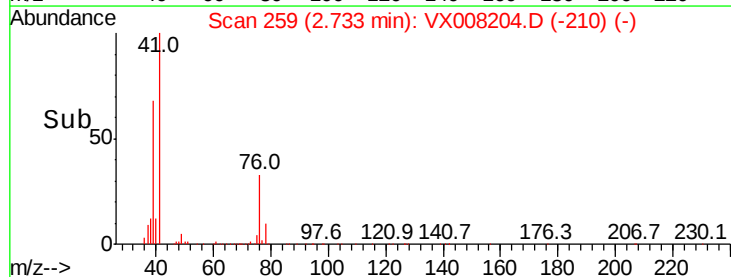
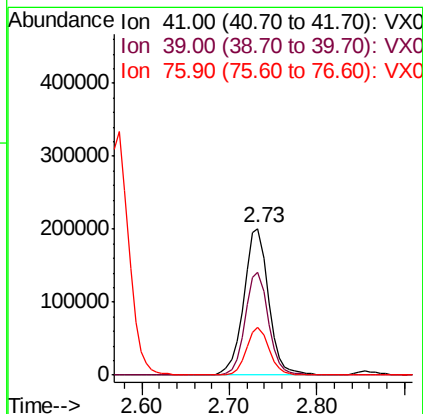
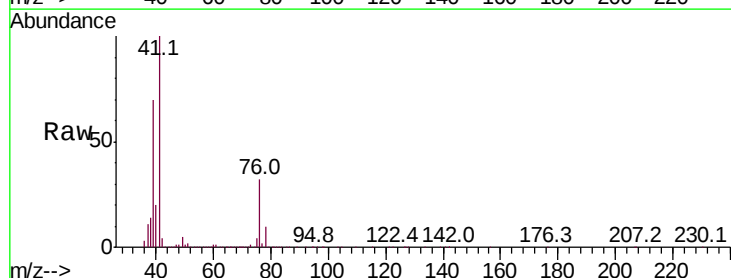
Tgt Ion: 41 Resp: 394344

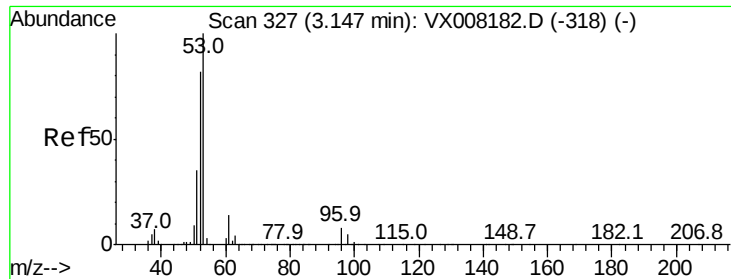
Ion Ratio Lower Upper

41 100

39 65.6 46.1 69.1

76 29.3 24.0 36.0





#15

Acrylonitrile

Concen: 254.671 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

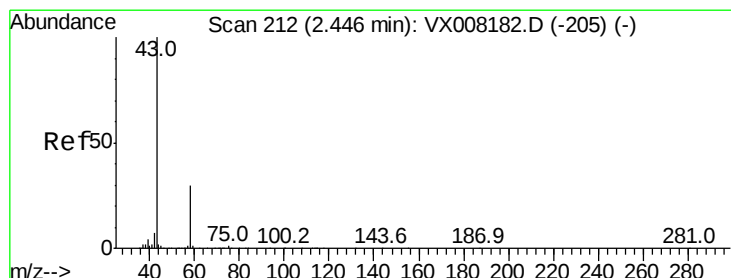
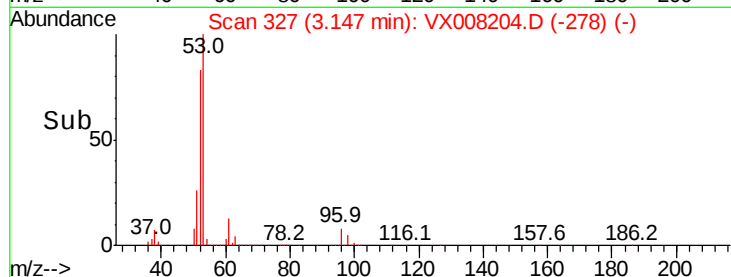
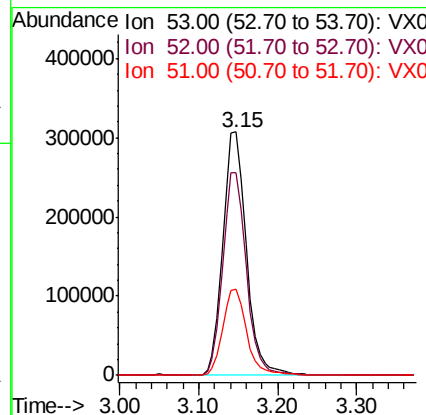
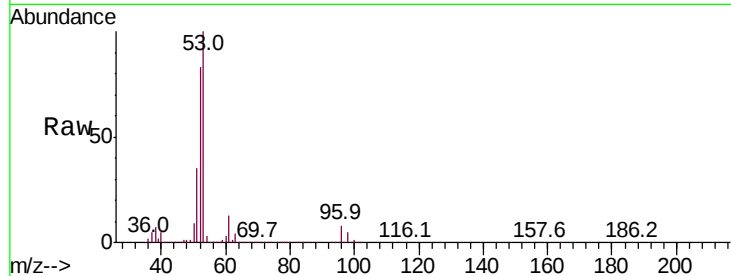
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	639917
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.0	99.0
51	36.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 221.478 ug/l

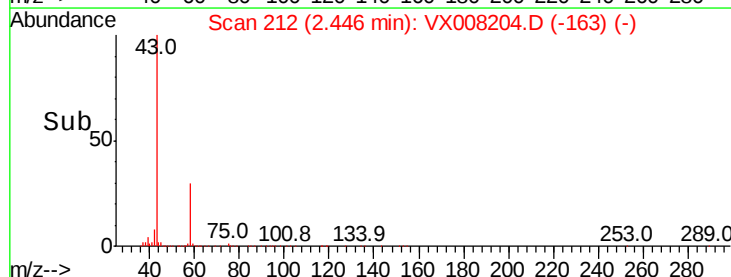
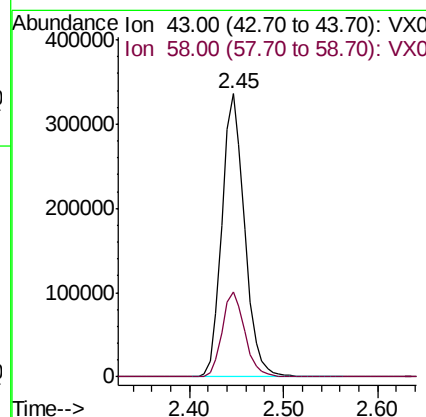
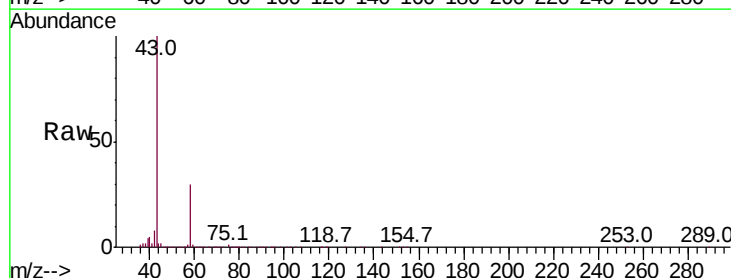
RT: 2.45 min Scan# 212

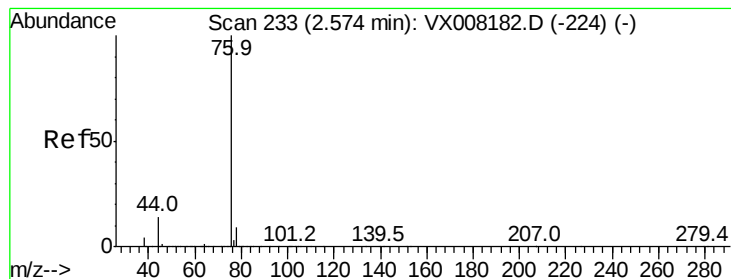
Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion:	43	Resp:	557429
Ion Ratio	Lower	Upper	
43	100		
58	30.0	25.5	38.3





#17

Carbon Disulfide

Concen: 47.890 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 558525

Ion Ratio Lower Upper

76 100

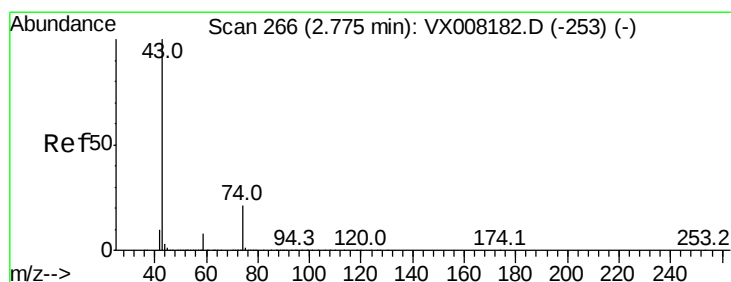
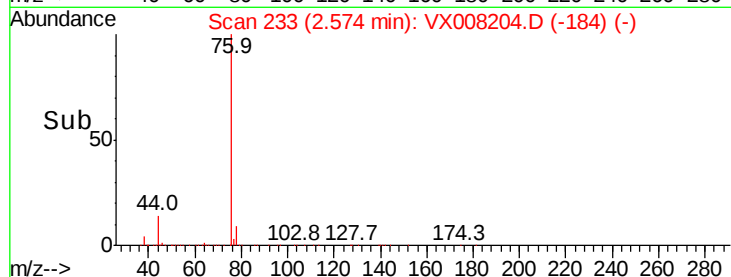
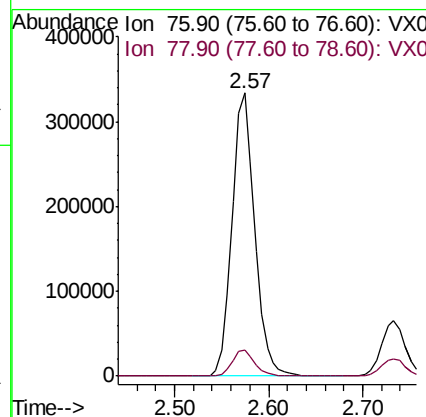
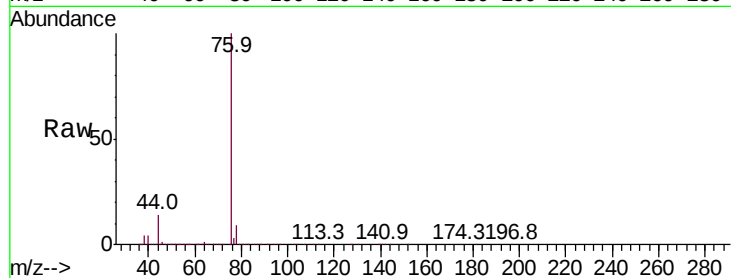
78 9.2 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 53.260 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008204.D

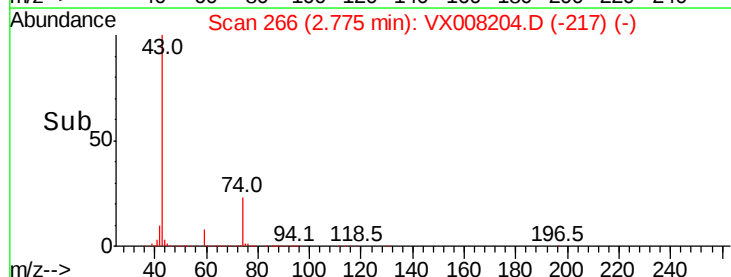
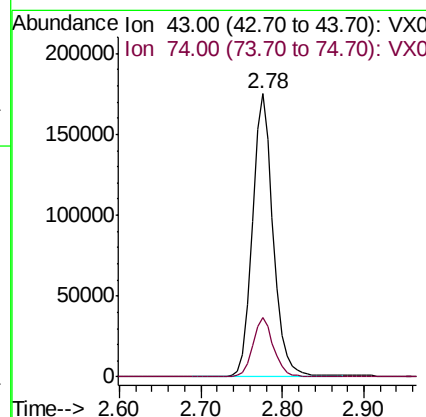
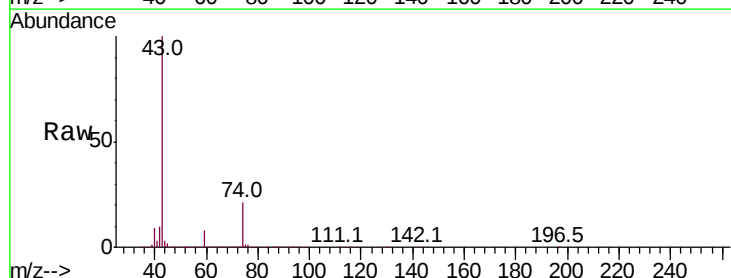
Acq: 19 Mar 2019 20:59

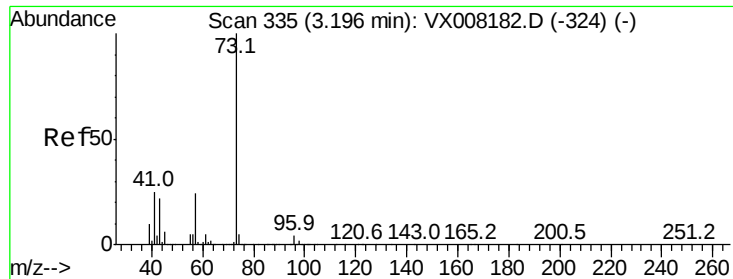
Tgt Ion: 43 Resp: 310335

Ion Ratio Lower Upper

43 100

74 21.2 17.8 26.6





#19

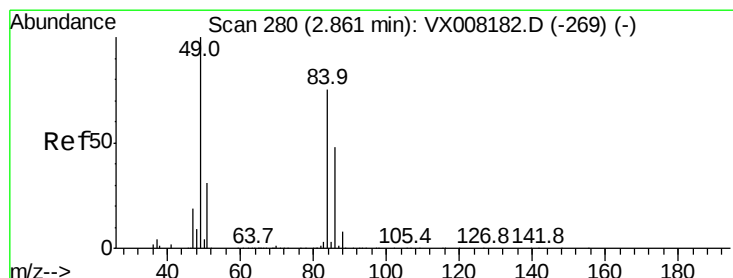
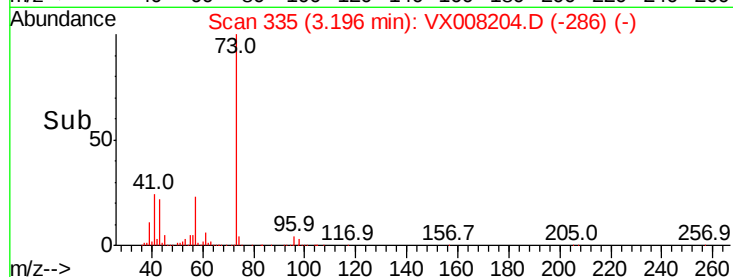
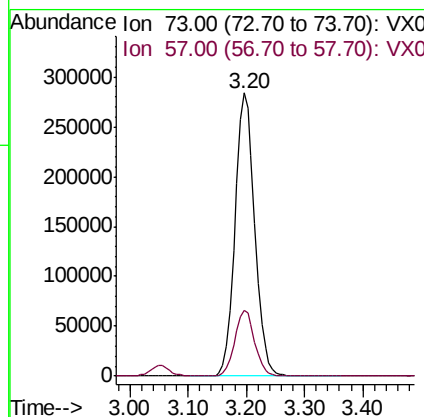
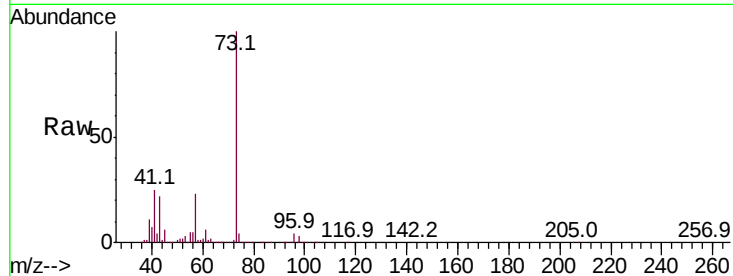
Methyl tert-butyl Ether
Concen: 51.521 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.2	27.4

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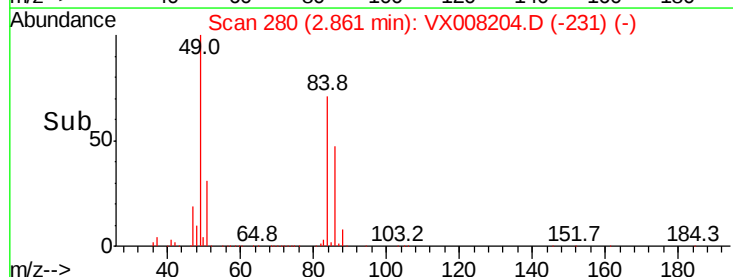
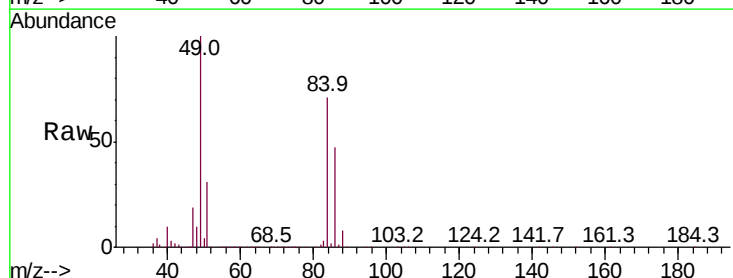
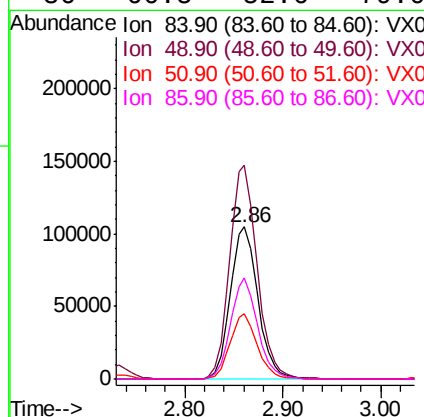
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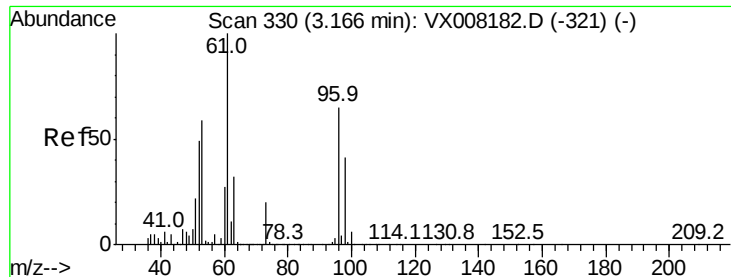


#20

Methylene Chloride
Concen: 48.855 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.3	99.3	148.9
51	42.8	31.3	46.9
86	66.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 49.316 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 190469

Ion Ratio Lower Upper

96 100

61 154.7 114.4 171.6

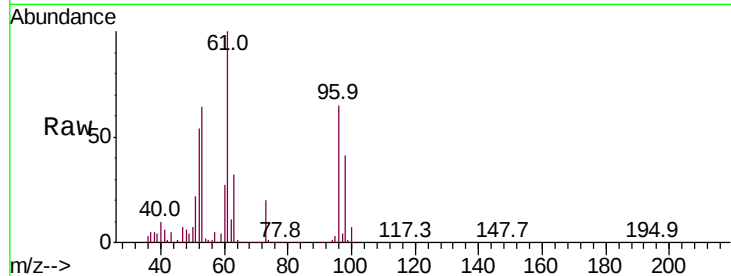
98 64.0 51.1 76.7

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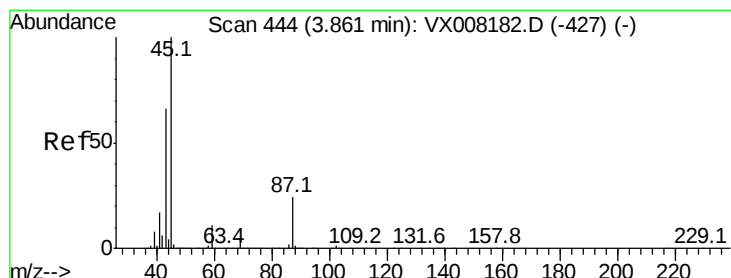
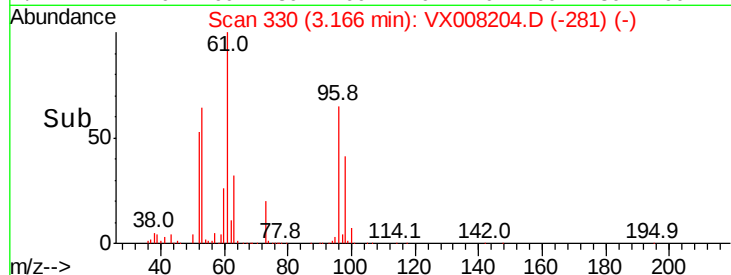
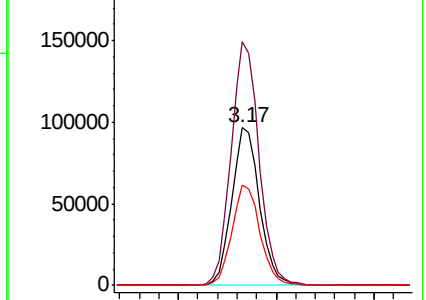
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.607 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion: 45 Resp: 786606

Ion Ratio Lower Upper

45 100

43 66.3 45.3 67.9

87 25.3 21.4 32.0

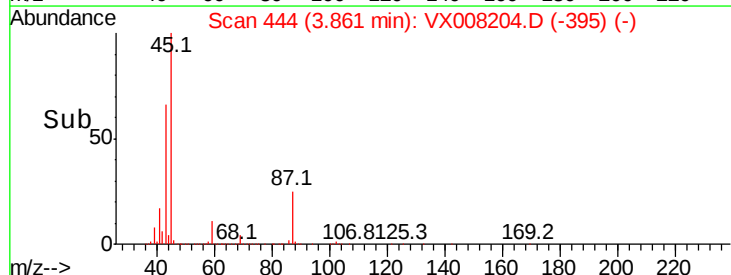
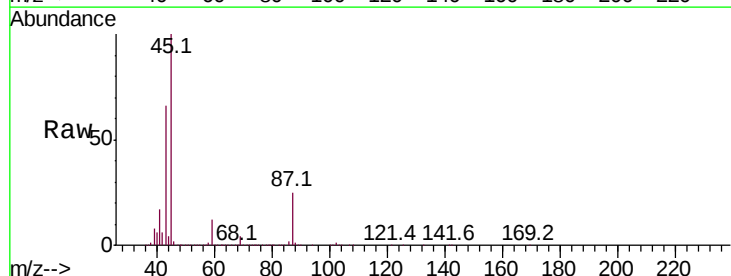
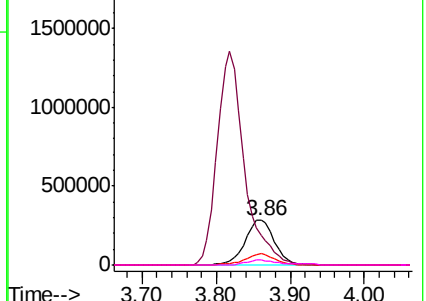
59 11.5 9.5 14.3

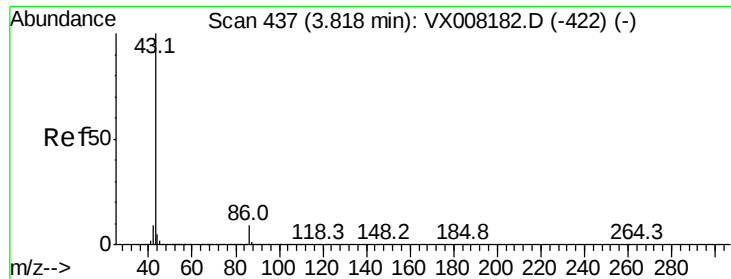
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.334 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3454269

Ion Ratio Lower Upper

43 100

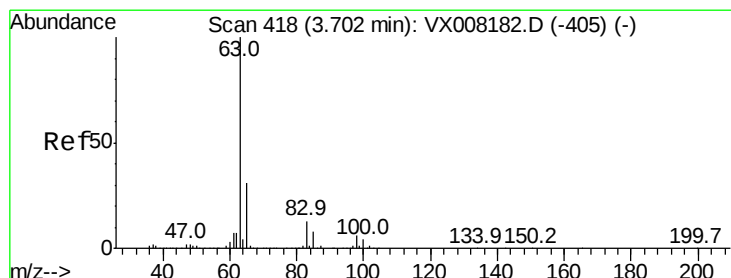
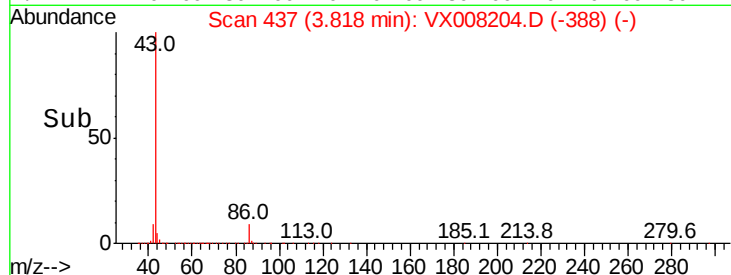
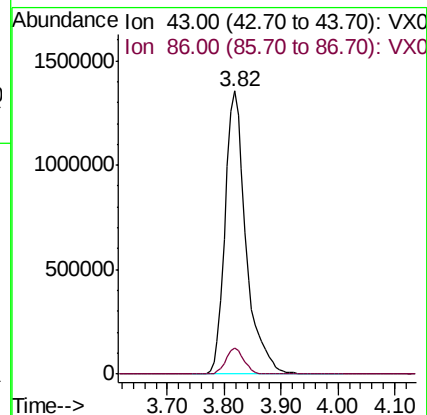
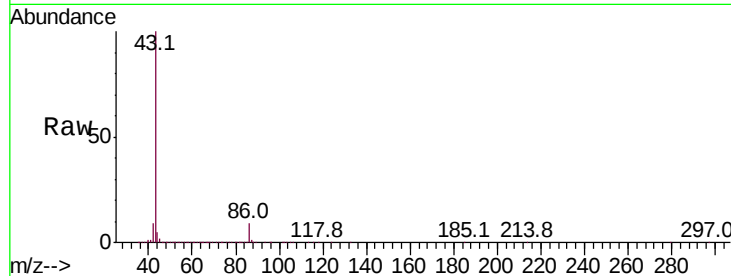
86 9.2 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 50.918 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

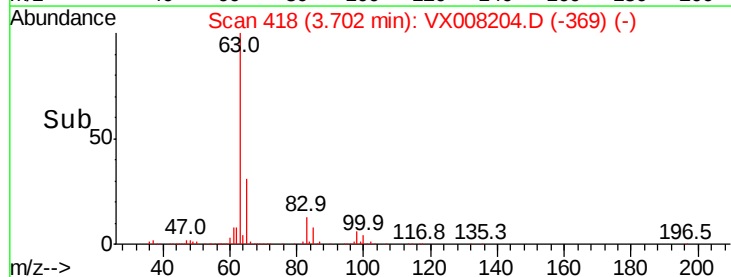
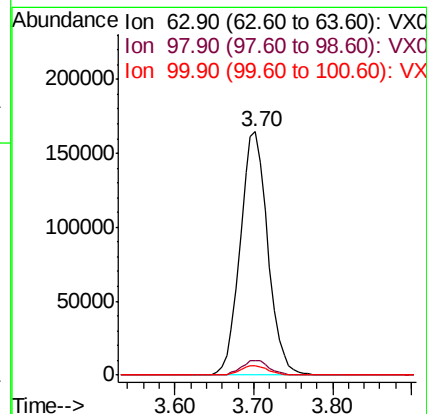
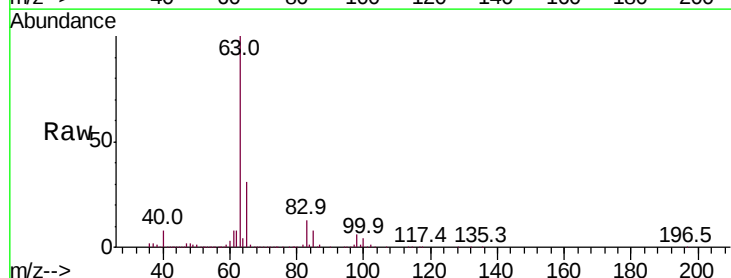
Tgt Ion: 63 Resp: 399164

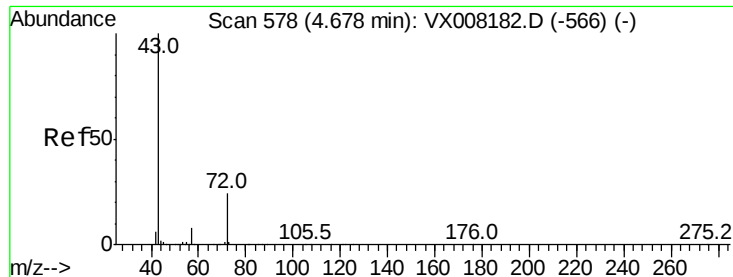
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.9 2.3 6.8





#25

2-Butanone

Concen: 251.836 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 935631

Ion Ratio Lower Upper

43 100

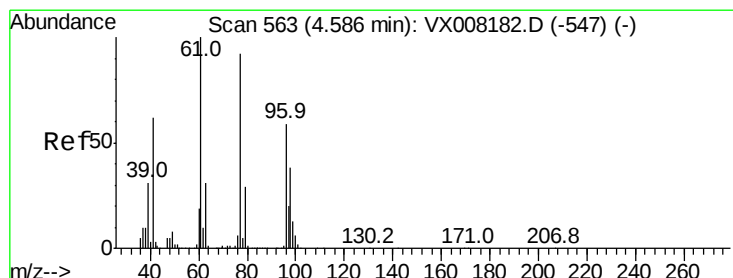
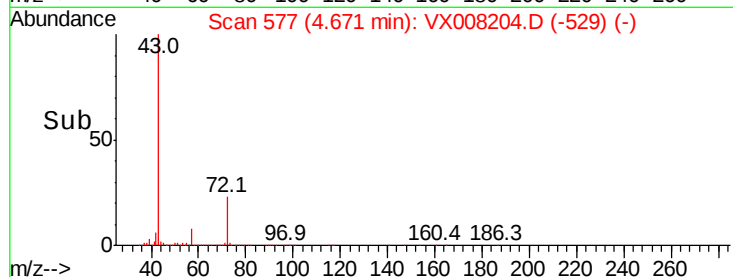
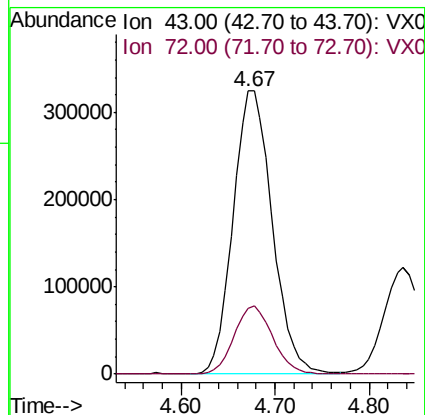
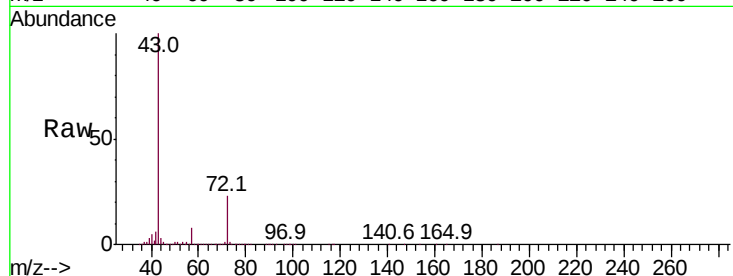
72 23.3 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.590 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008204.D

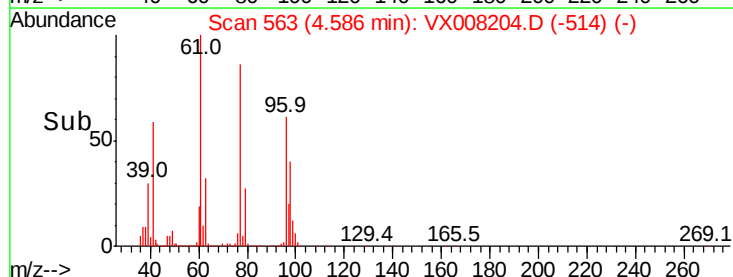
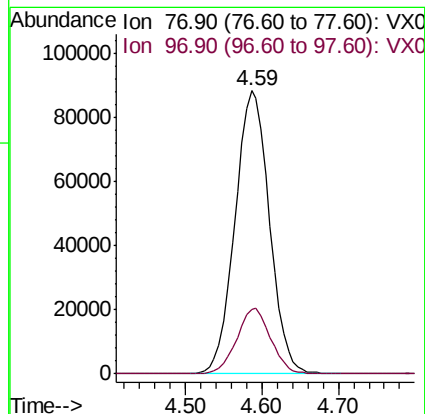
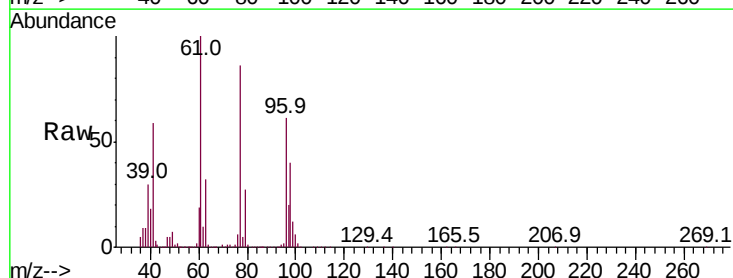
Acq: 19 Mar 2019 20:59

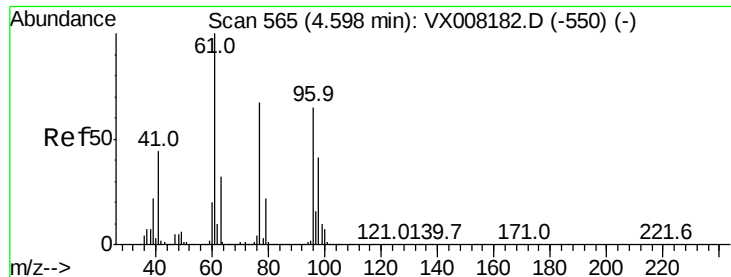
Tgt Ion: 77 Resp: 275141

Ion Ratio Lower Upper

77 100

97 22.8 12.2 36.6





#27

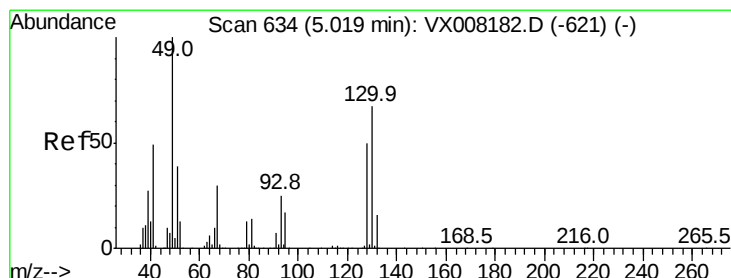
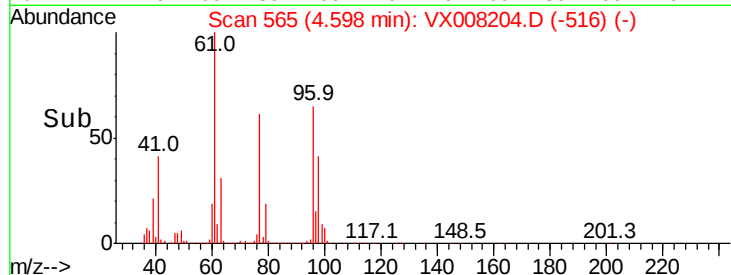
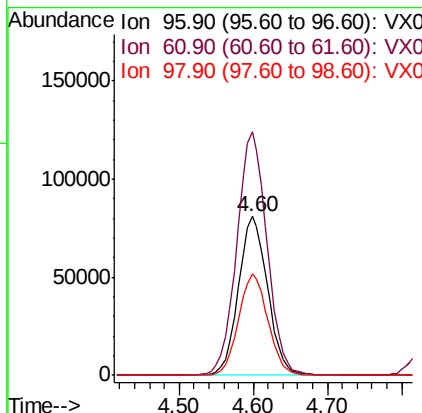
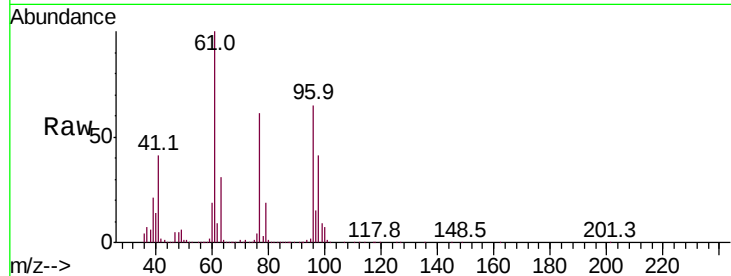
cis-1,2-Dichloroethene
 Concen: 50.712 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008204.D
 Acq: 19 Mar 2019 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	288.0
98	64.5	0.0	129.0

Manual Integrations
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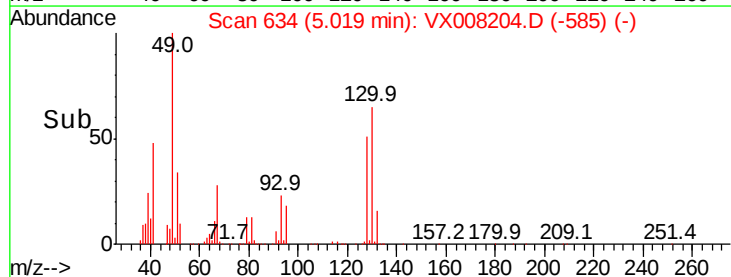
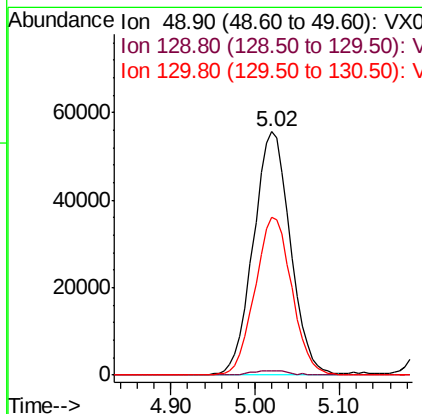
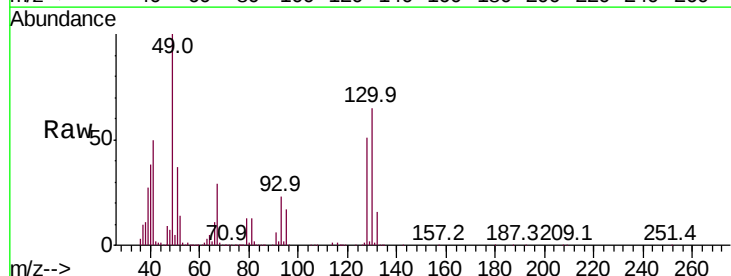
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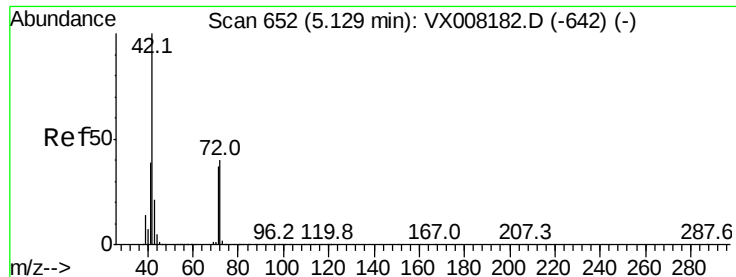


#28

Bromochloromethane
 Concen: 47.724 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008204.D
 Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	64.5	65.0	97.4#





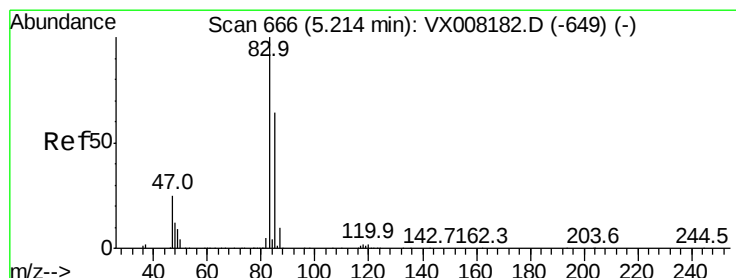
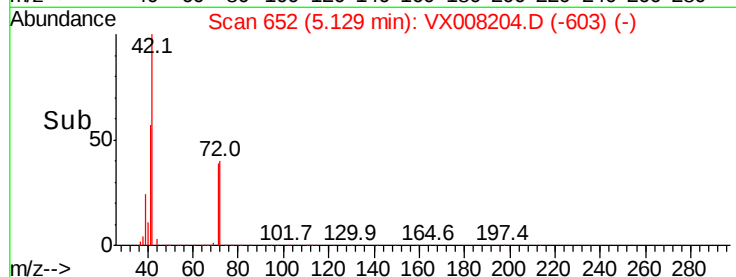
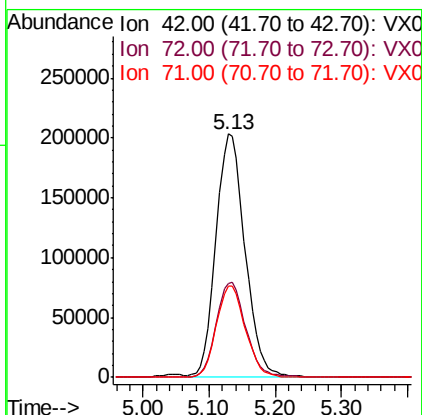
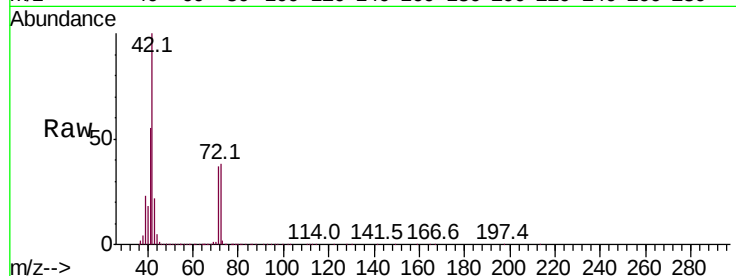
#29
Tetrahydrofuran
Concen: 265.263 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	33.8	50.6
71	37.8	31.5	47.3

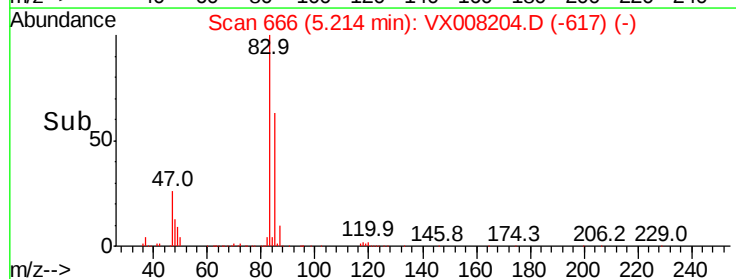
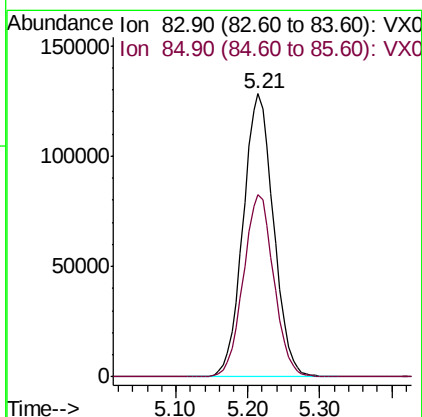
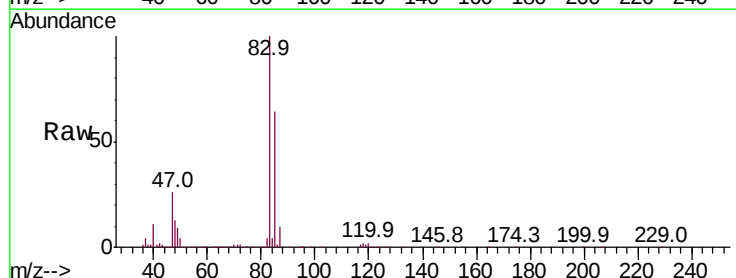
Manual Integrations
APPROVED

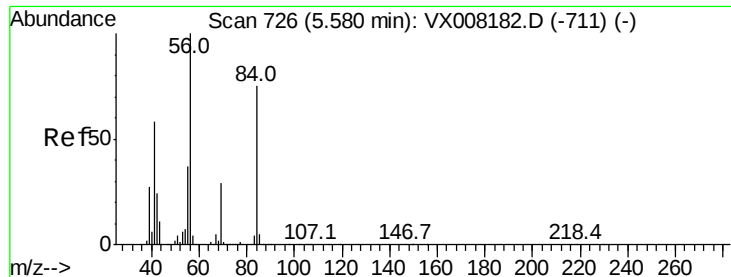
MMDadoda
3/20/2019 10:27:23 AM



#30
Chloroform
Concen: 51.185 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





#31

Cyclohexane

Concen: 51.248 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

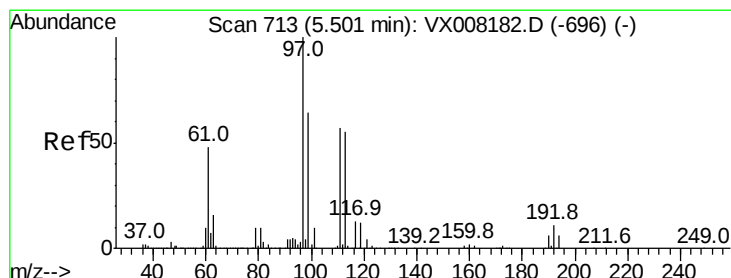
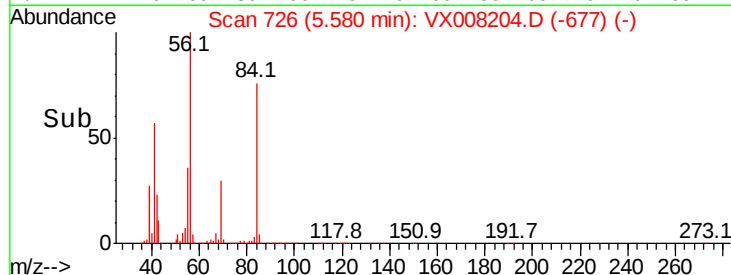
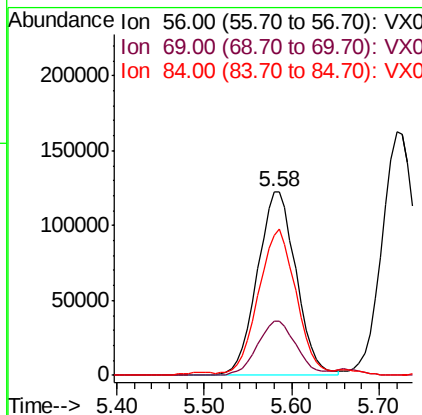
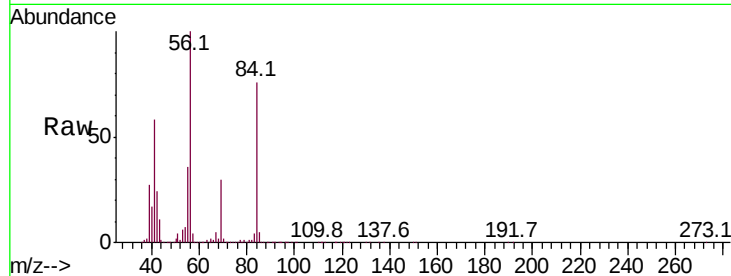
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	377258
Ion Ratio	Lower	Upper	
56	100		
69	29.7	24.0	36.0
84	74.9	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.616 ug/l

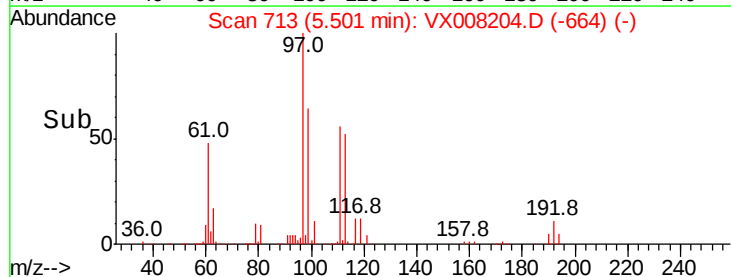
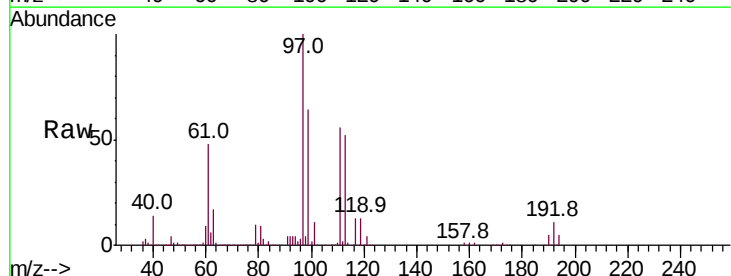
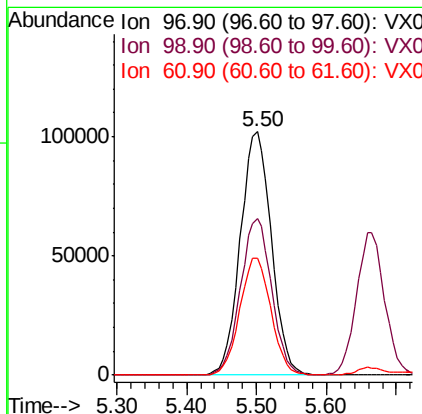
RT: 5.50 min Scan# 713

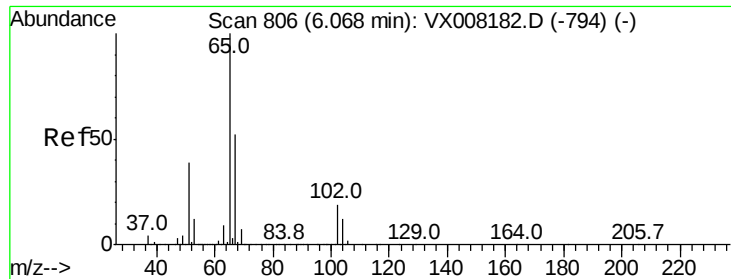
Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion:	97	Resp:	314860
Ion Ratio	Lower	Upper	
97	100		
99	64.5	52.2	78.2
61	48.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 46.820 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 207771

Ion Ratio Lower Upper

65 100

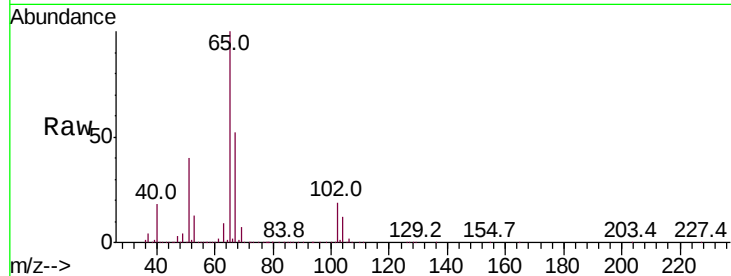
67 52.9 0.0 110.0

Manual Integrations

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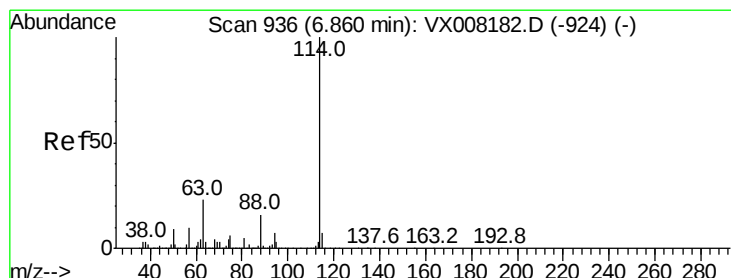
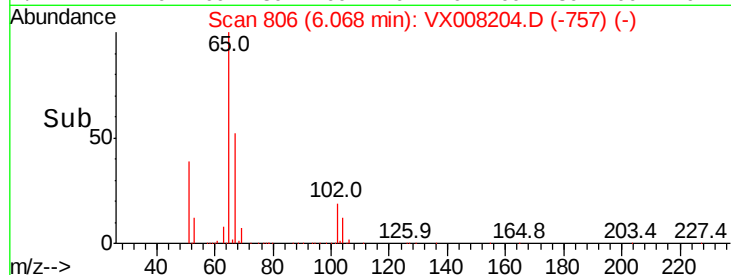
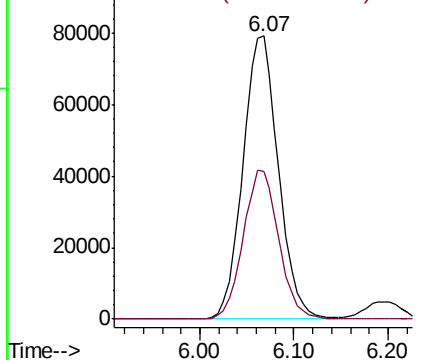
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

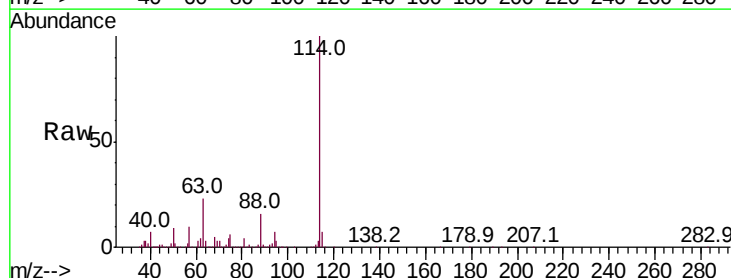
Tgt Ion: 114 Resp: 489631

Ion Ratio Lower Upper

114 100

63 22.8 0.0 39.8

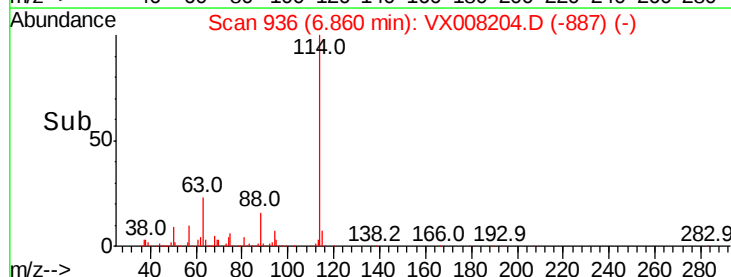
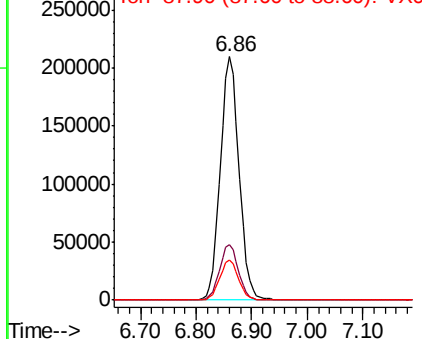
88 16.3 0.0 31.4

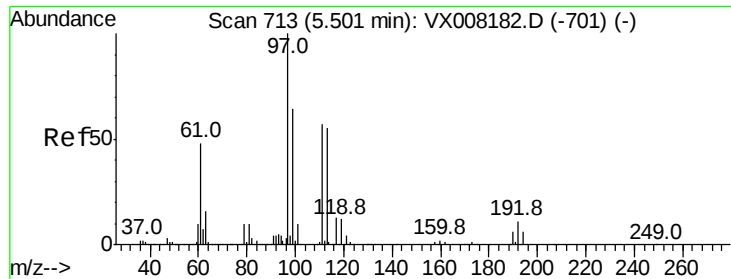


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





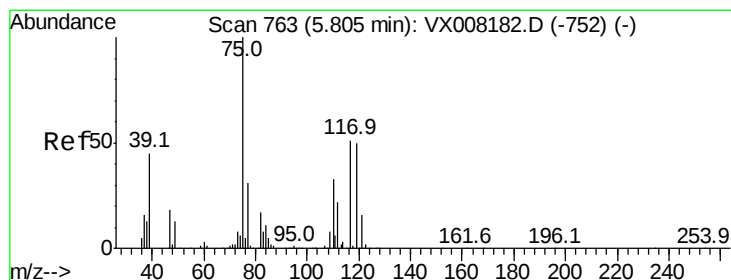
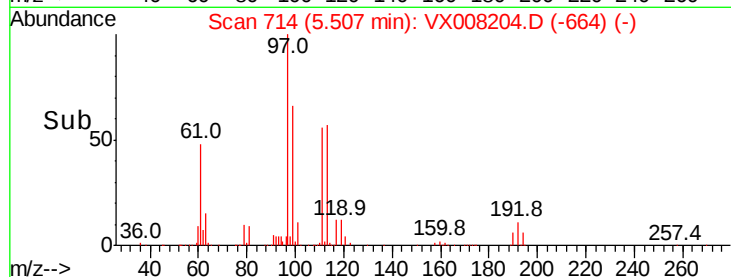
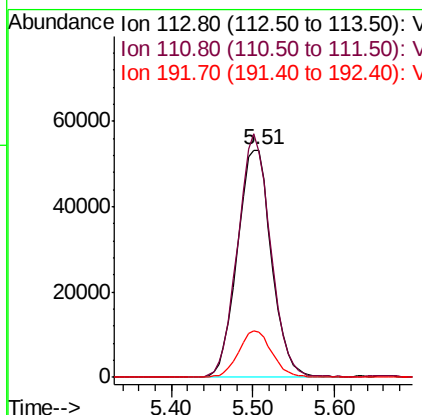
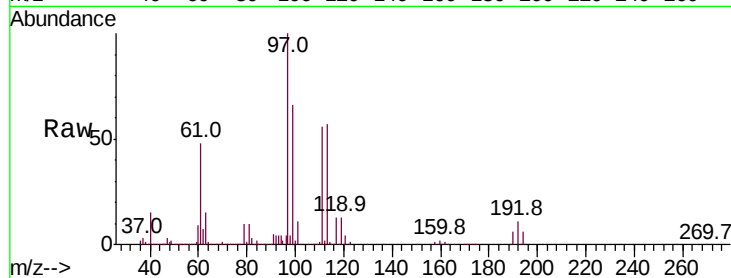
#35
 Dibromofluoromethane
 Concen: 47.411 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX008204.D
 Acq: 19 Mar 2019 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155401		
111	103.0	81.4	122.0	
192	20.0	19.4	29.0	

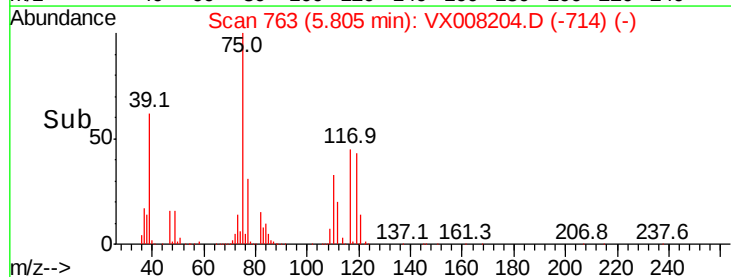
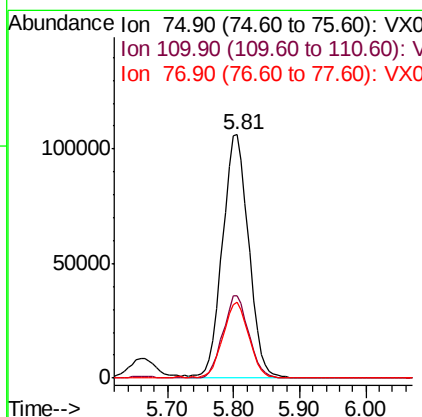
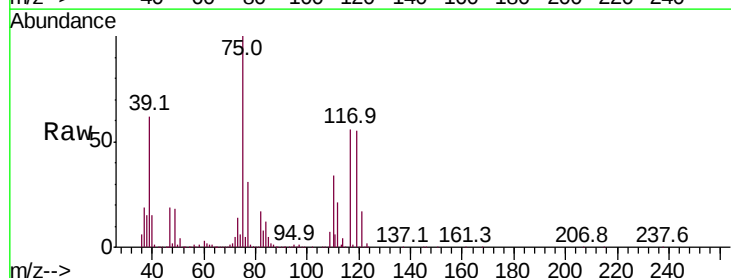
Manual Integrations
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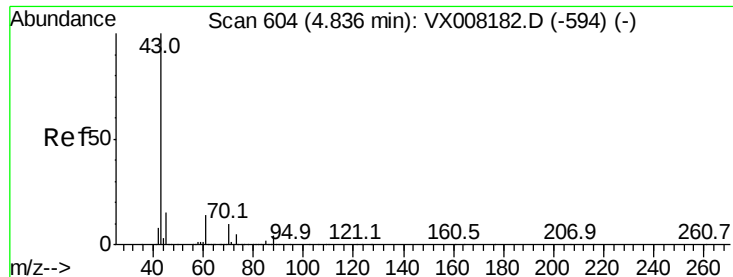
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#36
 1,1-Dichloropropene
 Concen: 51.025 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VX008204.D
 Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	290876		
110	33.2	18.4	55.0	
77	30.4	25.0	37.4	





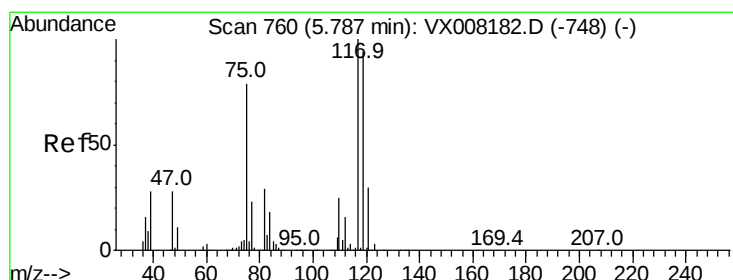
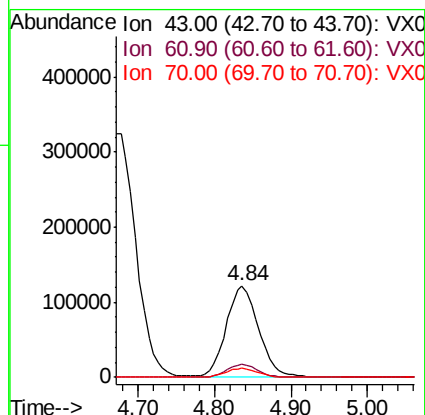
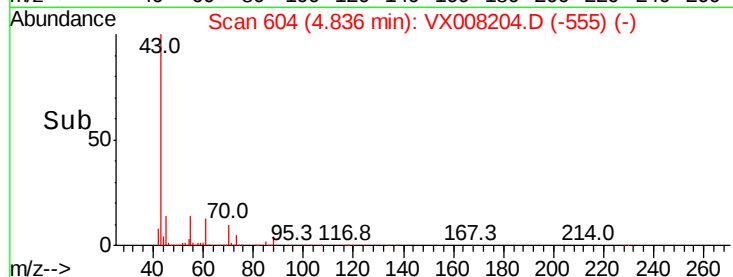
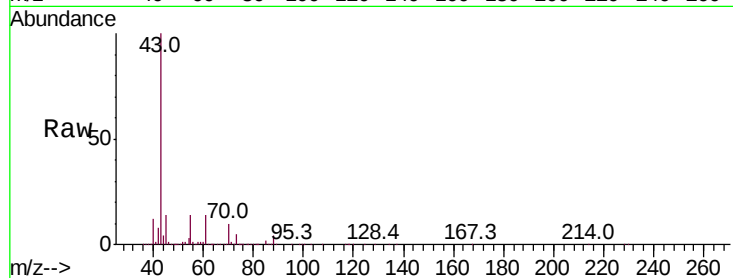
#37
Ethyl Acetate
Concen: 52.807 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.3	16.9
70	9.6	8.5	12.7

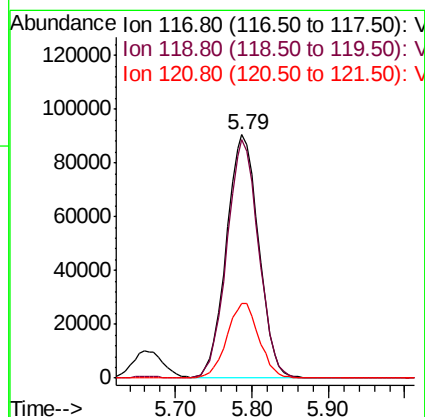
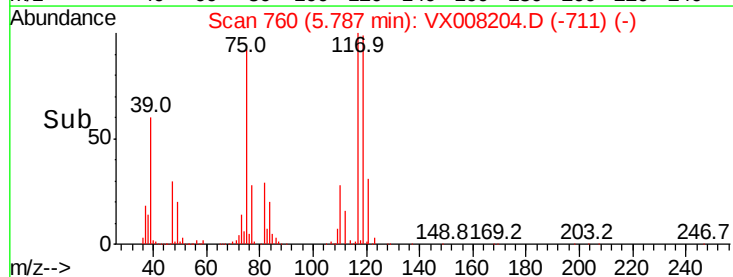
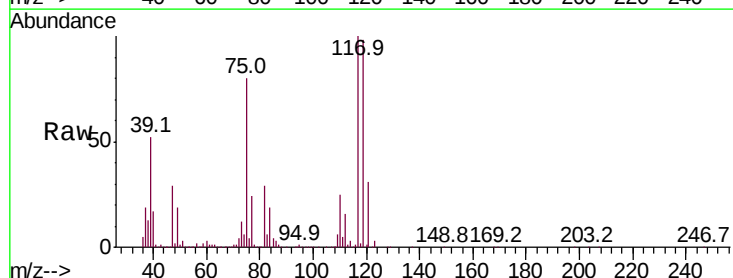
Manual Integrations
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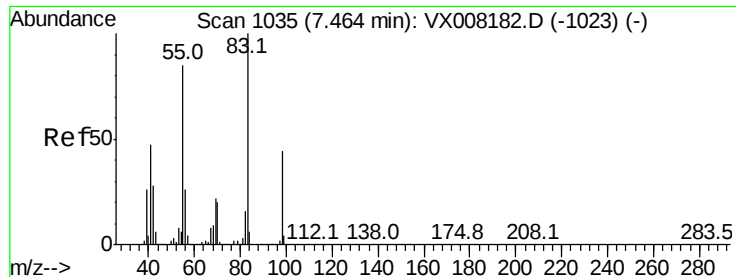
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#38
Carbon Tetrachloride
Concen: 51.902 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.2	114.2
121	30.7	24.6	36.8





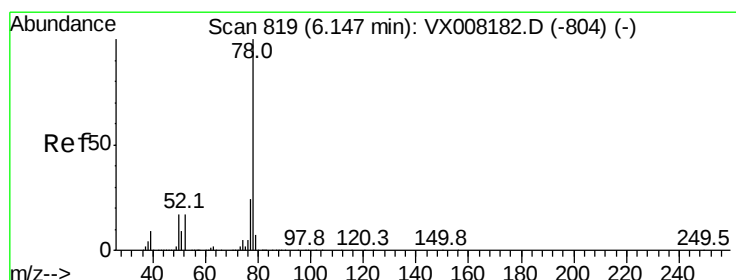
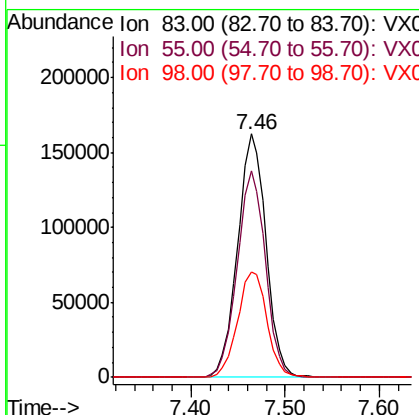
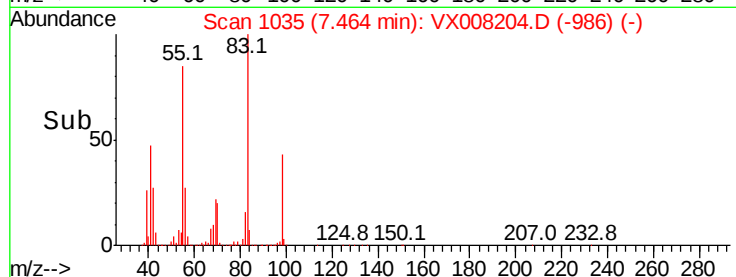
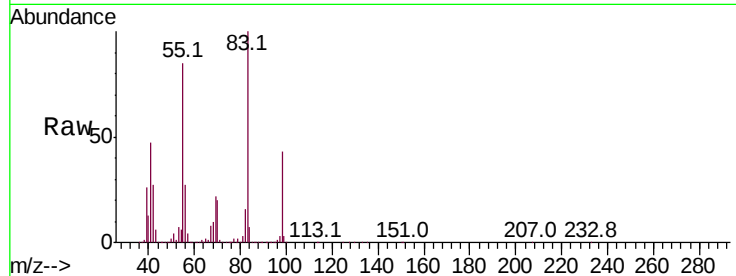
#39
Methvlcvclohexane
Concen: 49.881 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.6	60.4	90.6	
98	43.1	36.5	54.7	

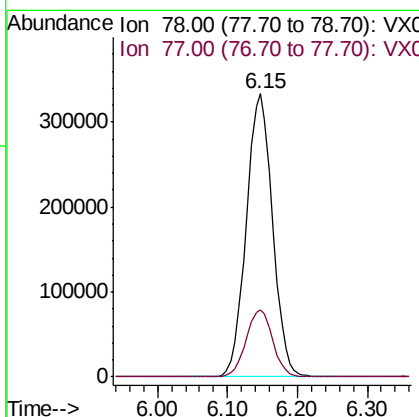
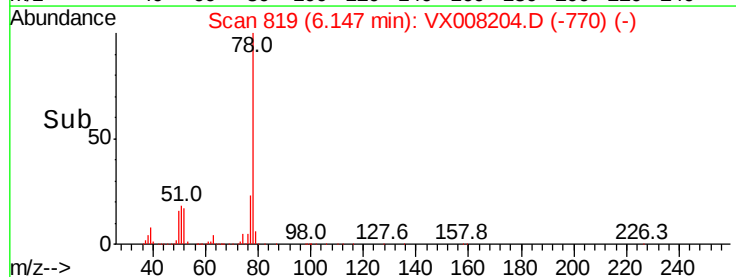
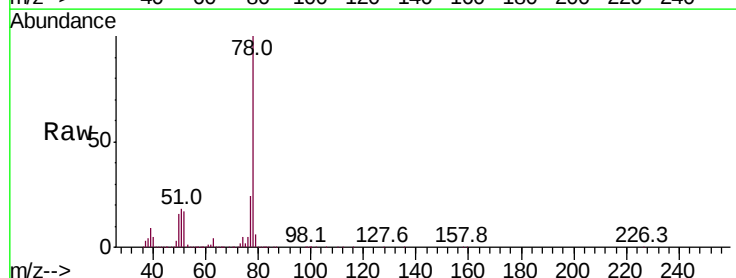
Manual Integrations
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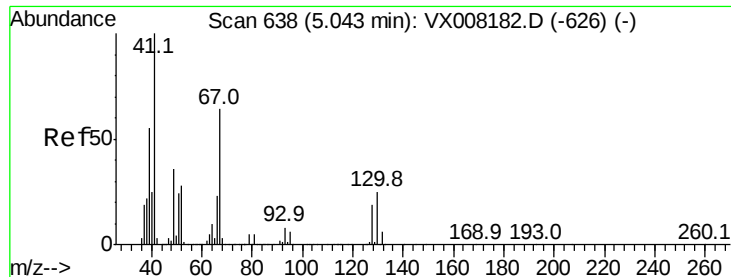
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#40
Benzene
Concen: 51.507 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.4	





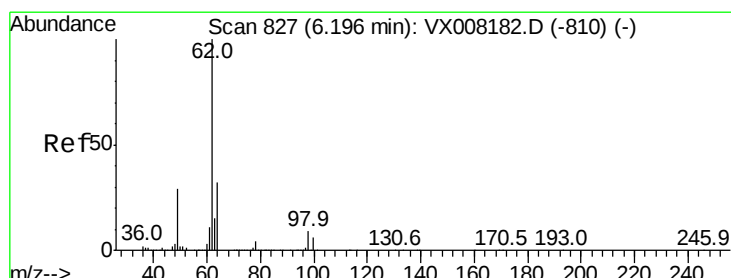
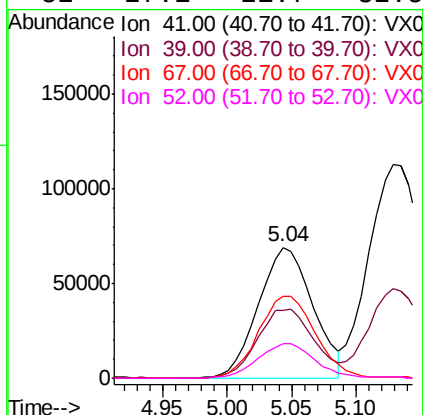
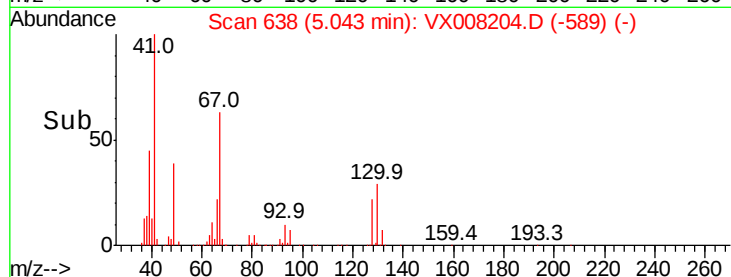
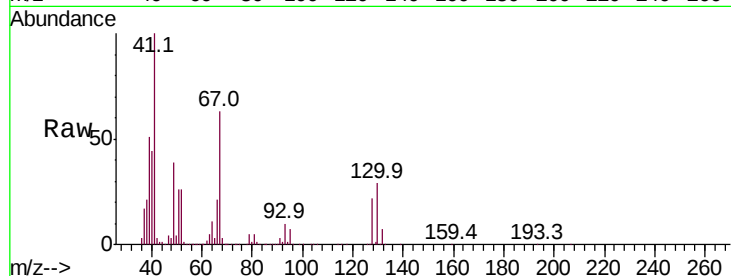
#41
Methacrylonitrile
Concen: 53.630 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	41.6	62.4	
67	66.7	55.8	83.6	
52	27.1	21.7	32.5	

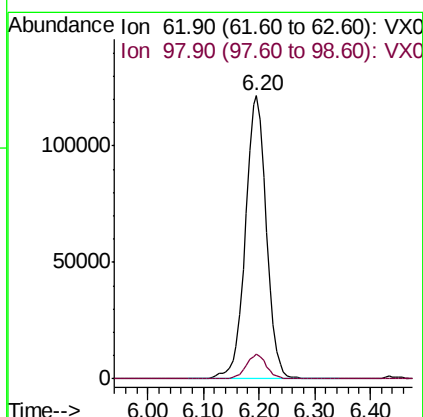
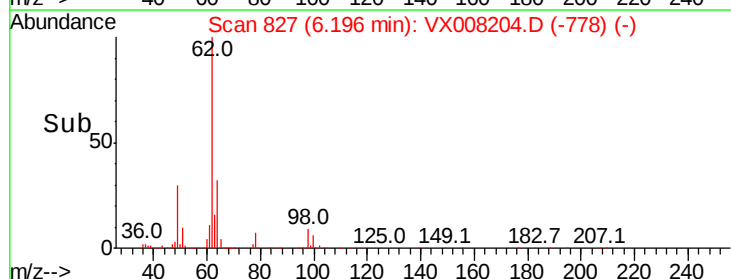
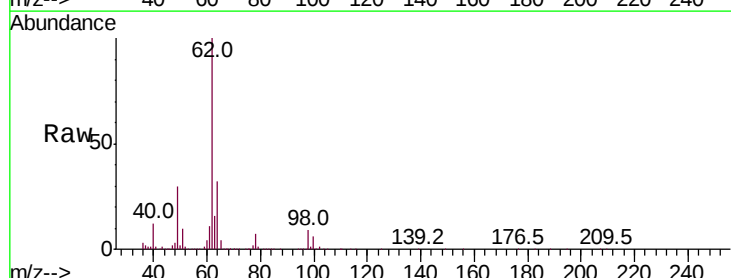
Manual Integrations
APPROVED

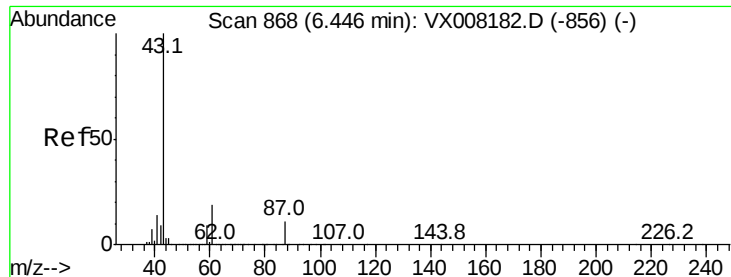
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#42
1,2-Dichloroethane
Concen: 51.489 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	20.4	





#43

Isopropyl Acetate

Concen: 52.987 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

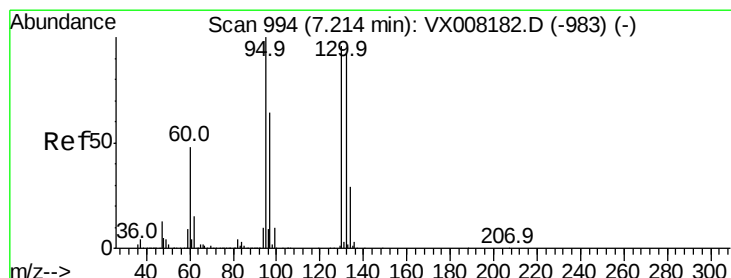
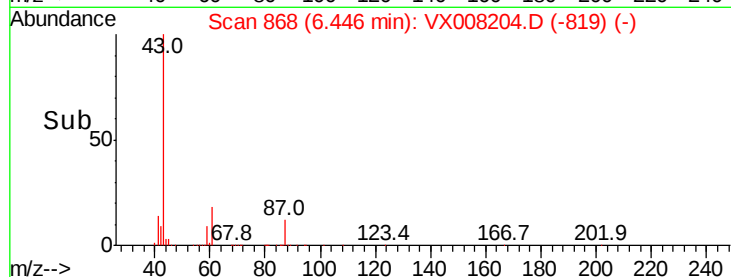
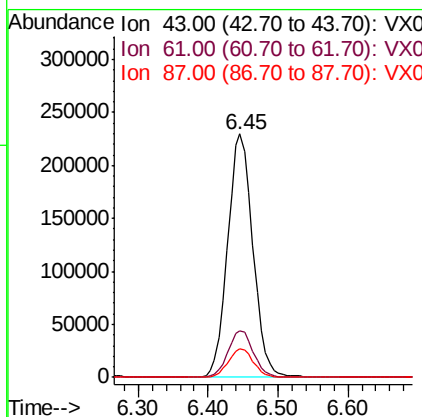
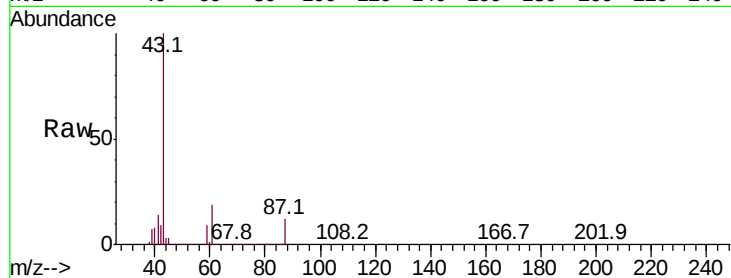
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	572336
Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.3	24.5
87	11.9	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 51.337 ug/l

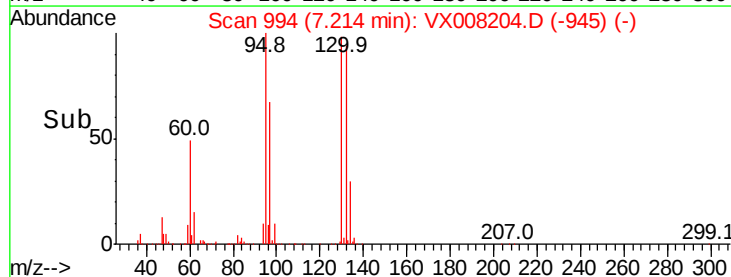
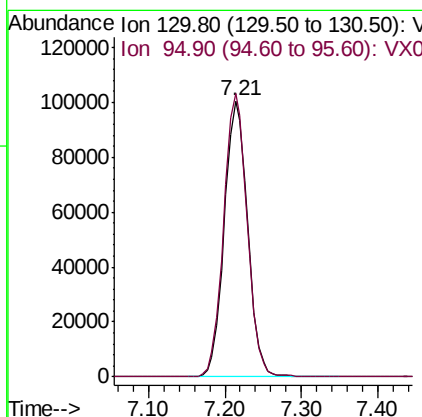
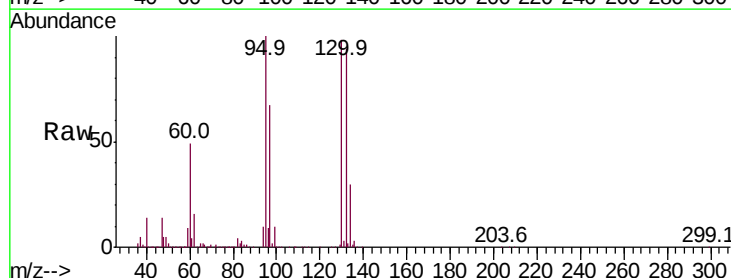
RT: 7.21 min Scan# 994

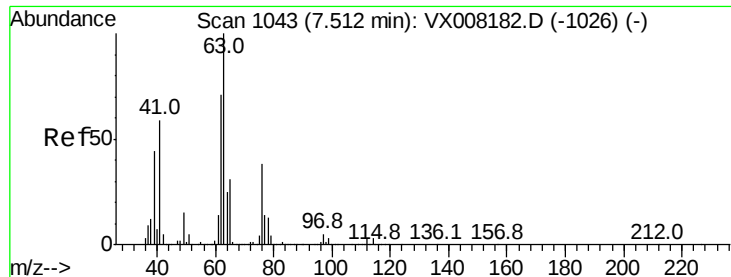
Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion:	130	Resp:	211791
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 51.504 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 243268

Ion Ratio Lower Upper

63 100

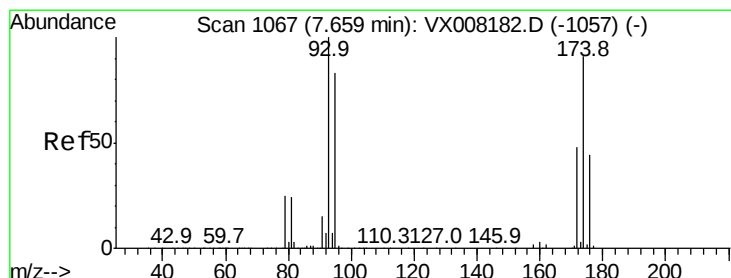
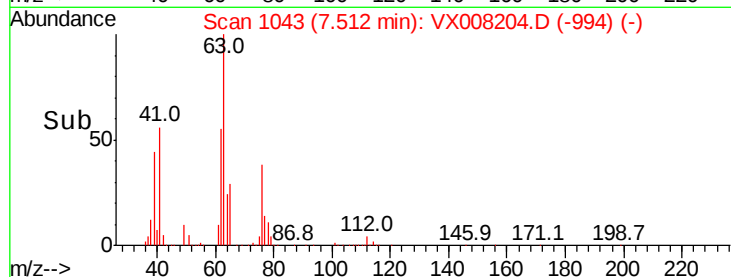
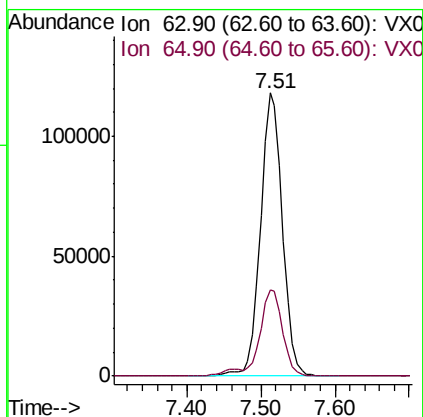
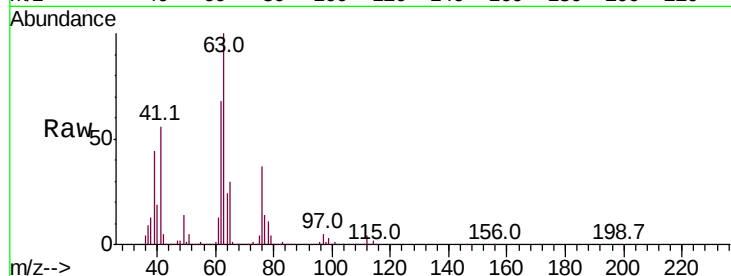
65 30.3 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 50.627 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

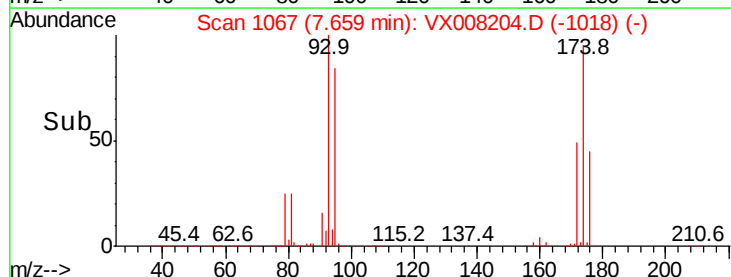
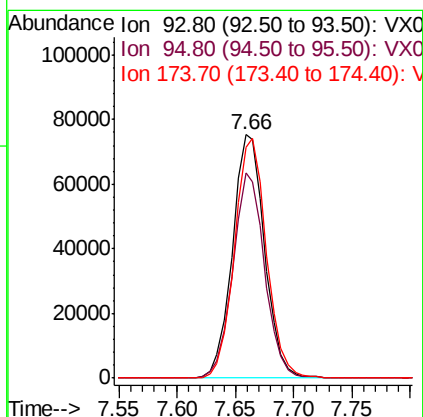
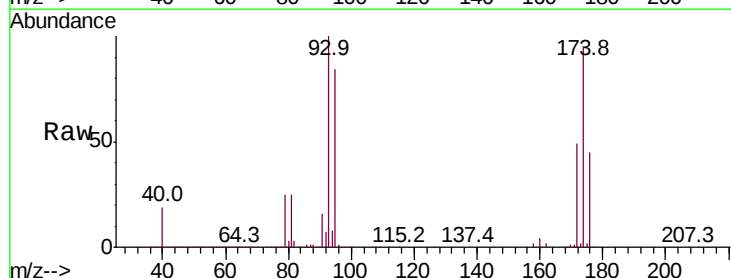
Tgt Ion: 93 Resp: 144782

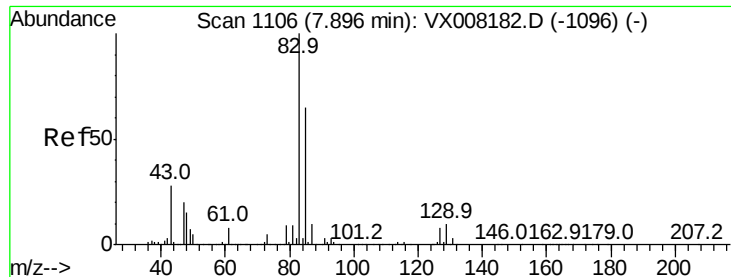
Ion Ratio Lower Upper

93 100

95 83.2 66.8 100.2

174 97.8 97.3 145.9





#47

Bromodichloromethane

Concen: 52.928 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

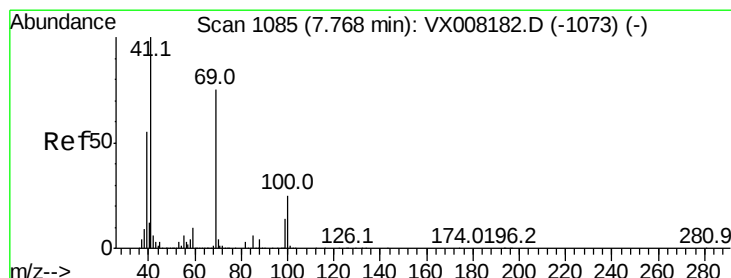
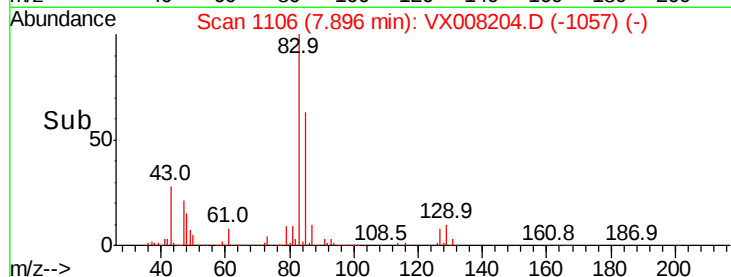
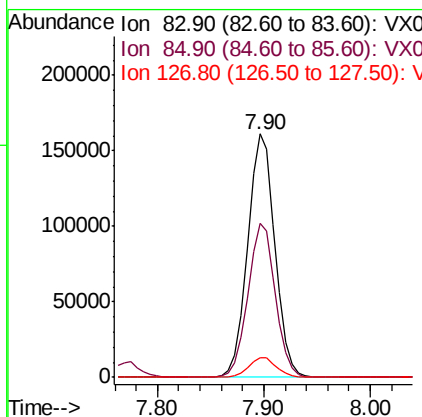
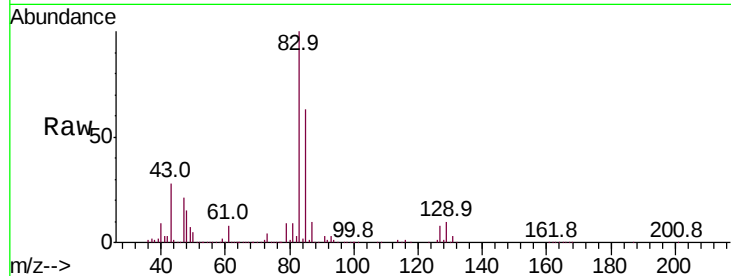
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	288463
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.9	76.3
127	8.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.736 ug/l

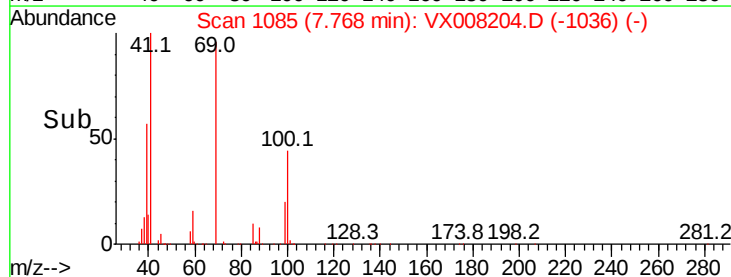
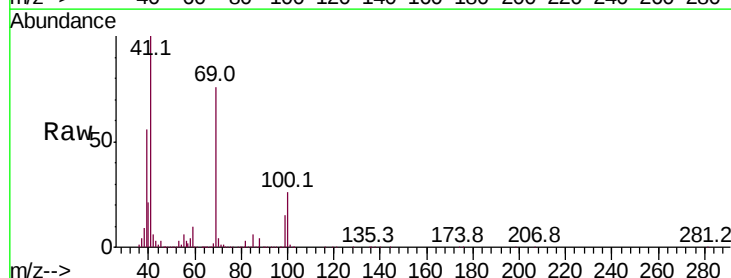
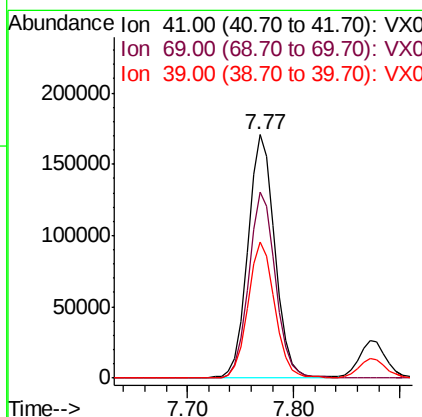
RT: 7.77 min Scan# 1085

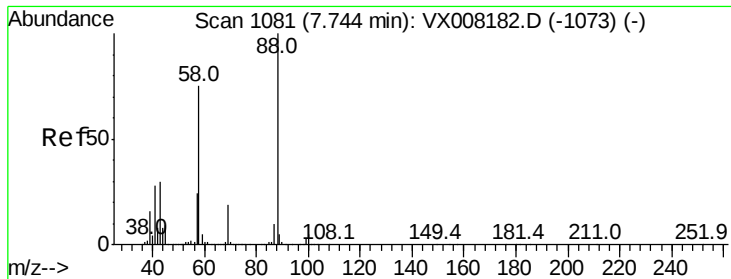
Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion:	41	Resp:	302876
Ion Ratio	Lower	Upper	
41	100		
69	76.2	65.2	97.8
39	55.4	39.4	59.2





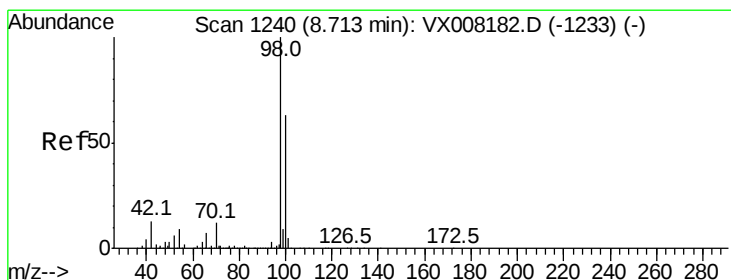
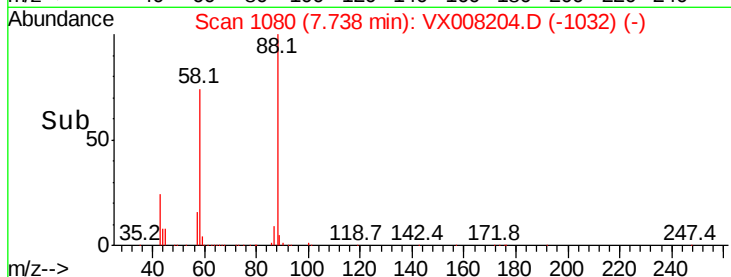
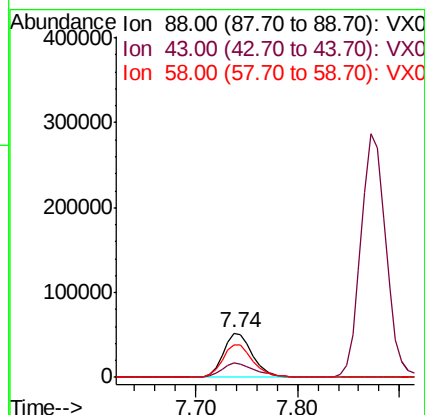
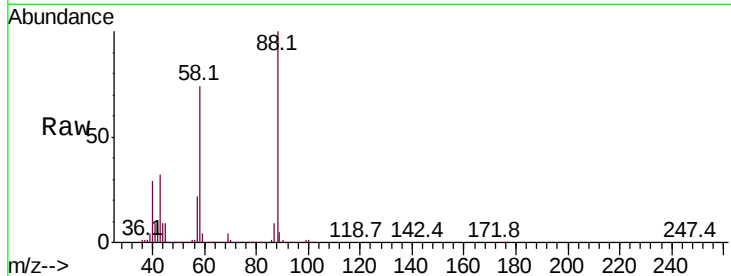
#49
1,4-Dioxane
Concen: 1016.655 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	25.1	37.7
58	76.7	57.8	86.6

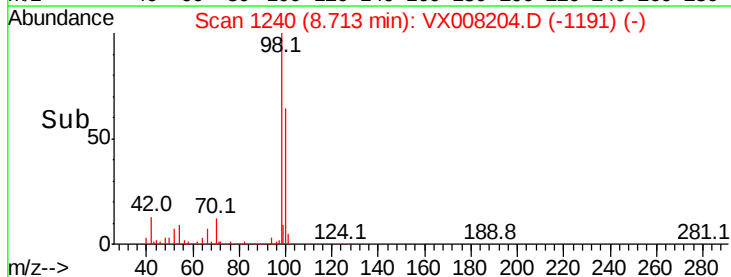
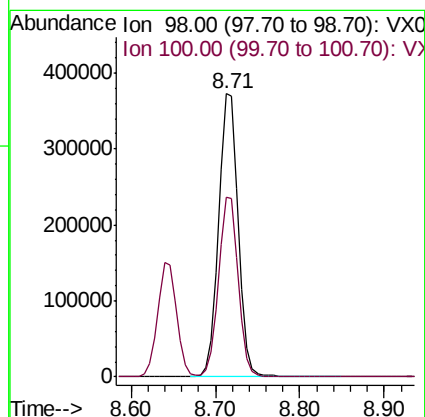
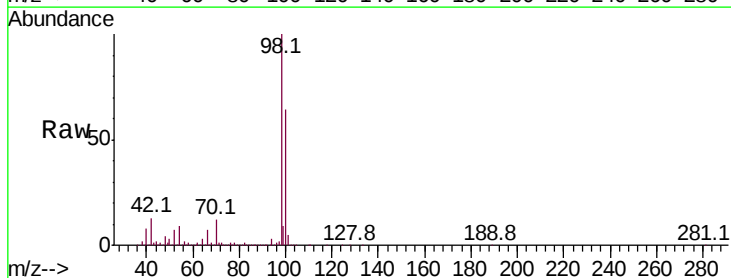
Manual Integrations
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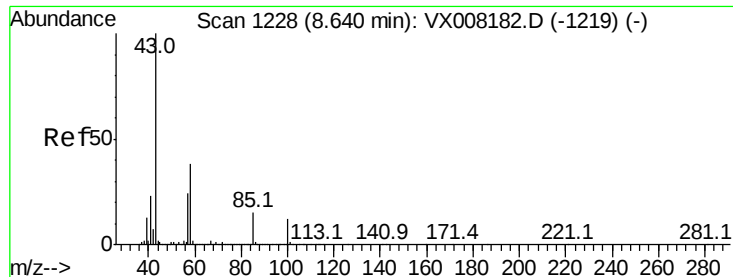
MMDadoda
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#50
Toluene-d8
Concen: 48.321 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





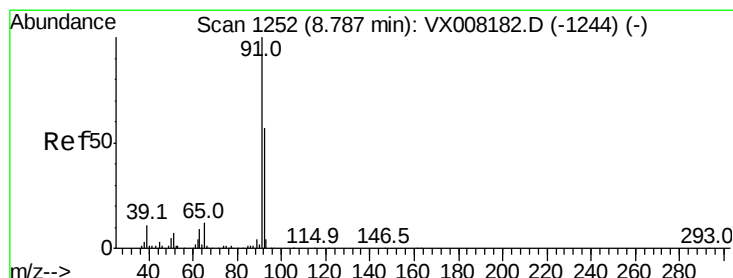
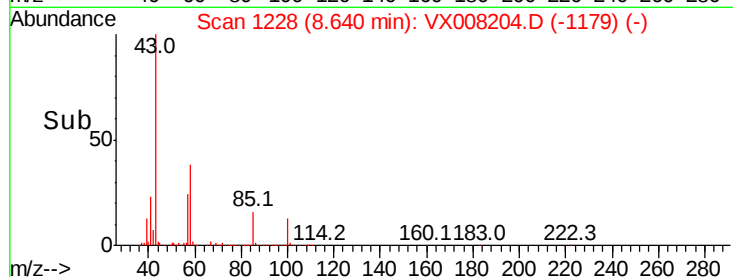
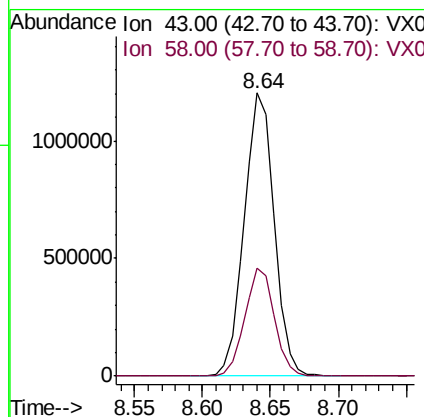
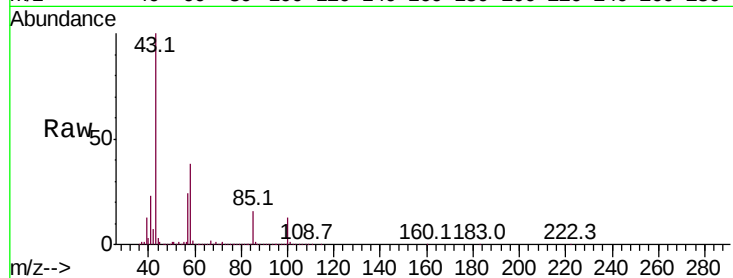
#51
4-Methyl-2-Pentanone
Concen: 265.938 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion: 43 Resp: 1857043
Ion Ratio Lower Upper
43 100
58 37.8 31.3 46.9

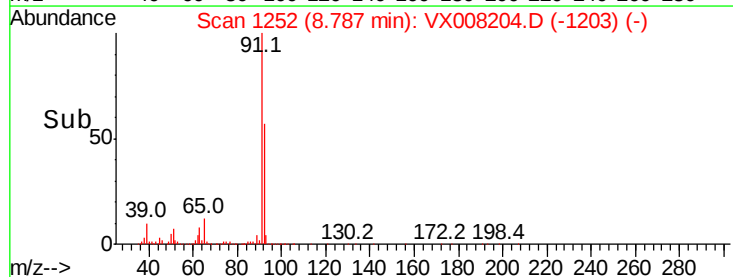
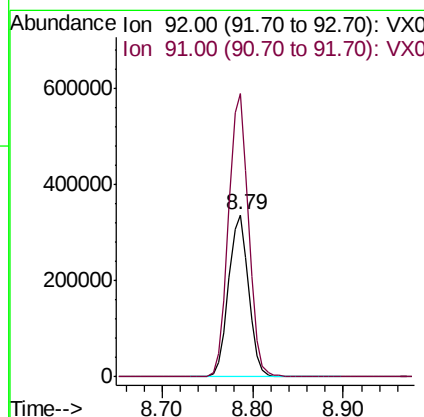
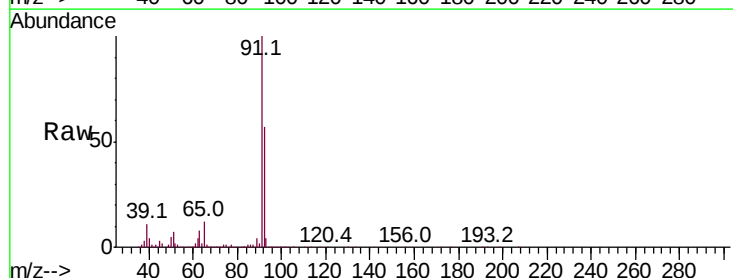
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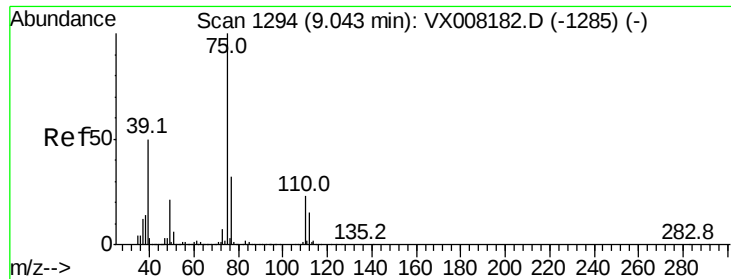
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#52
Toluene
Concen: 51.733 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion: 92 Resp: 517845
Ion Ratio Lower Upper
92 100
91 174.4 137.4 206.0





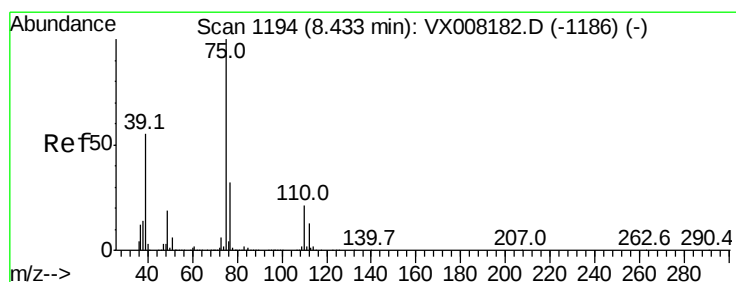
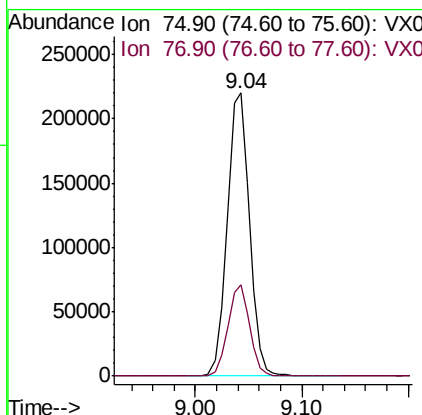
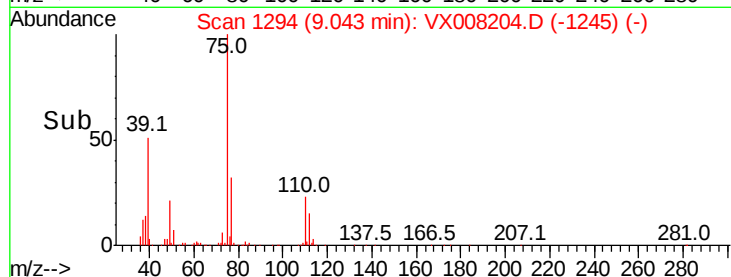
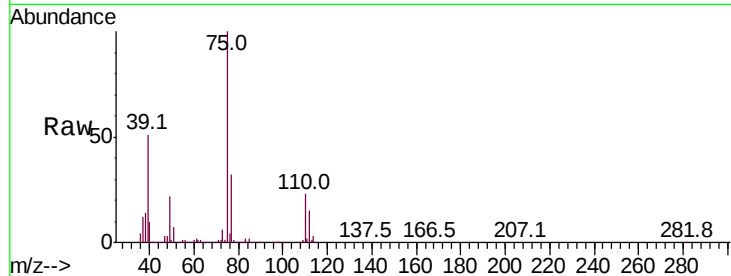
#53
t-1,3-Dichloropropene
Concen: 47.223 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

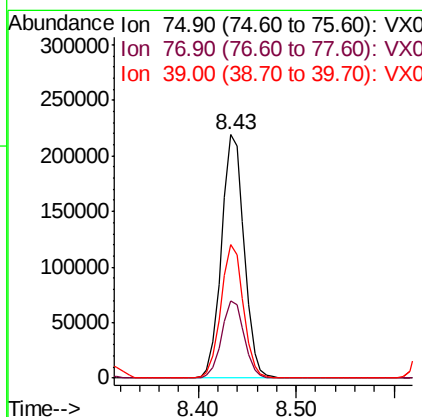
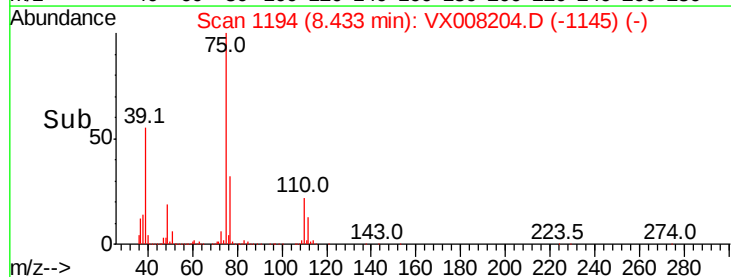
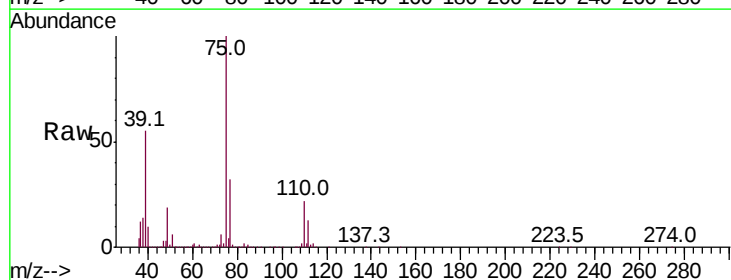
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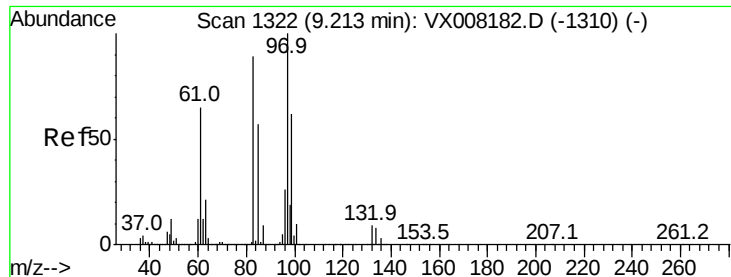
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#54
cis-1,3-Dichloropropene
Concen: 51.927 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6
39	55.0	36.6	54.8#





#55

1,1,2-Trichloroethane

Concen: 52.581 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

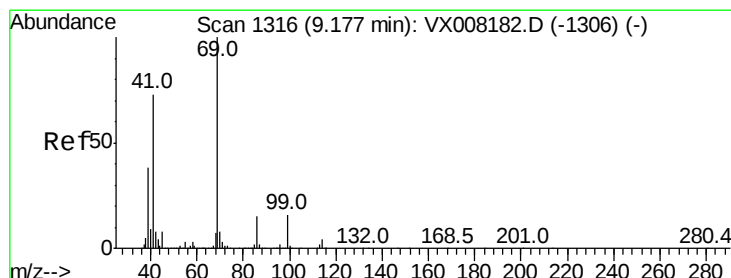
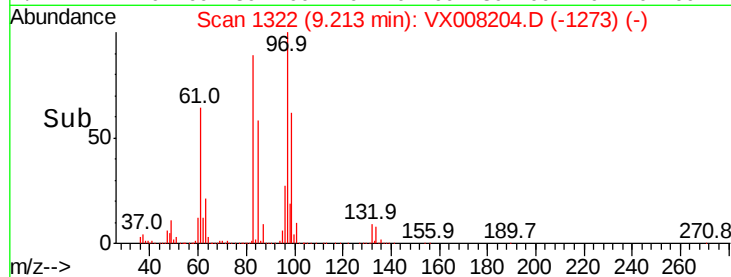
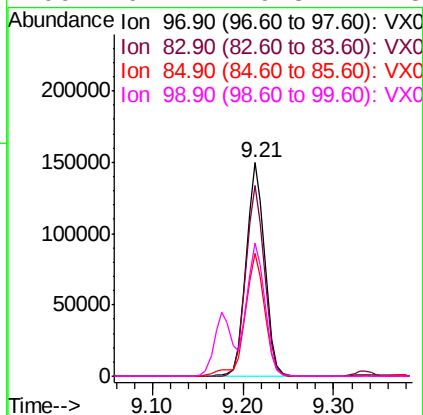
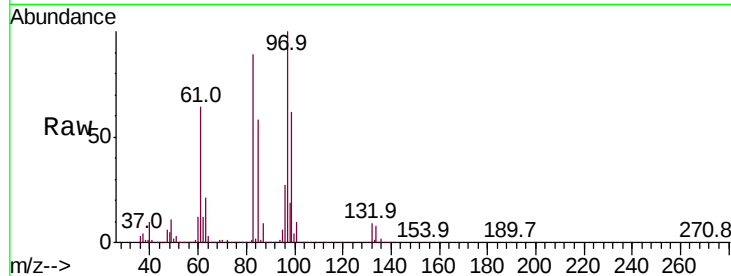
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.1	103.7
85	57.6	44.3	66.5
99	62.2	49.8	74.8

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#56

Ethyl methacrylate

Concen: 50.333 ug/l

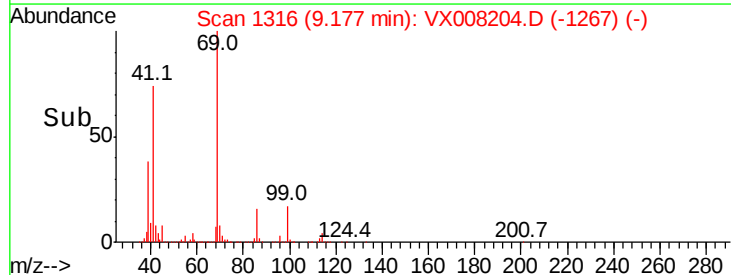
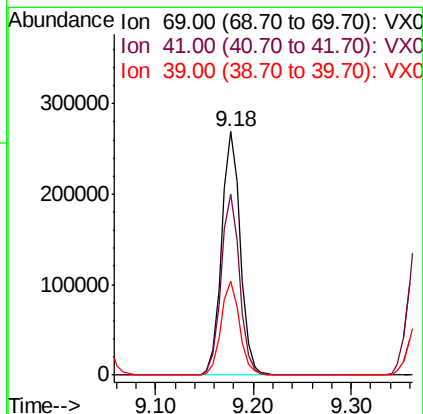
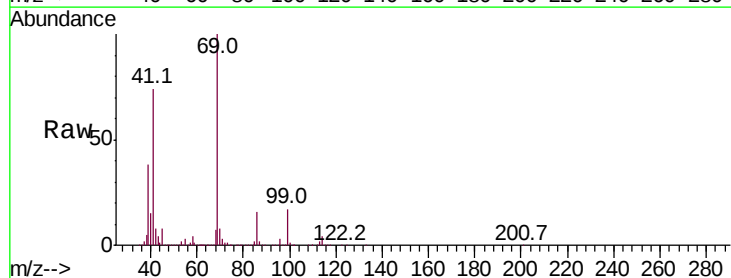
RT: 9.18 min Scan# 1316

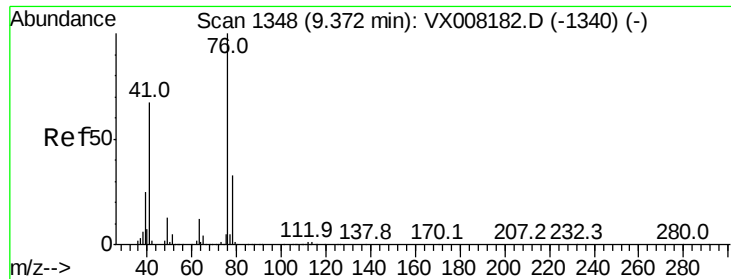
Delta R.T. 0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.3	54.2	81.4
39	38.1	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 52.487 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 375514

Ion Ratio Lower Upper

76 100

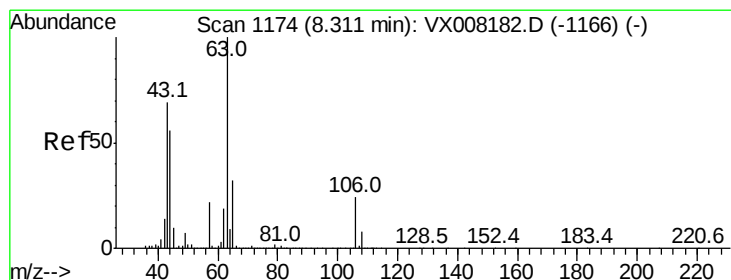
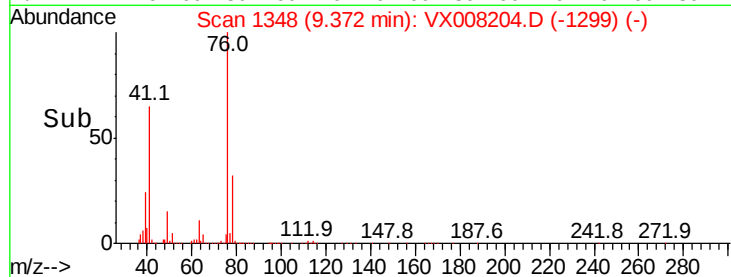
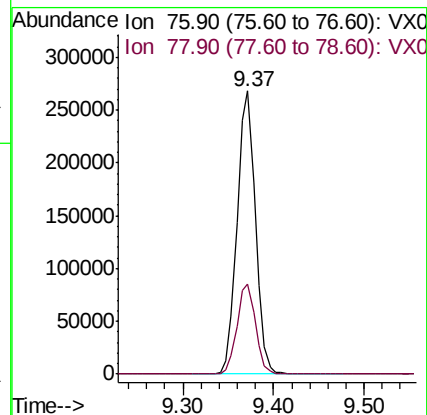
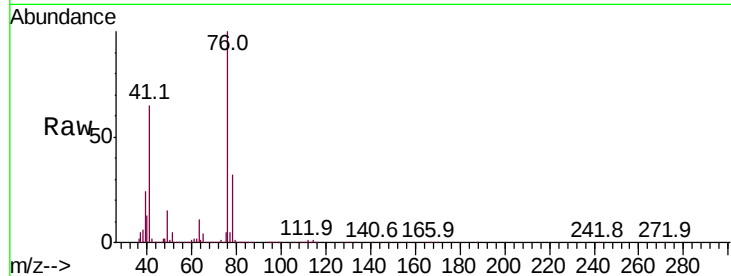
78 32.1 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 241.813 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008204.D

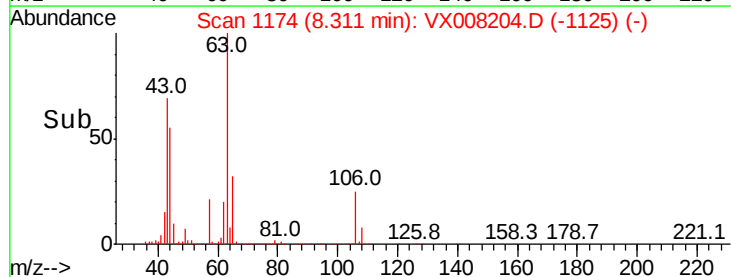
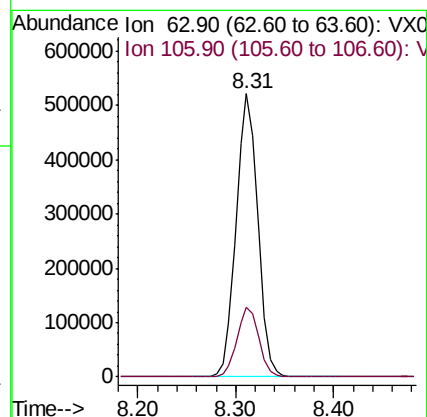
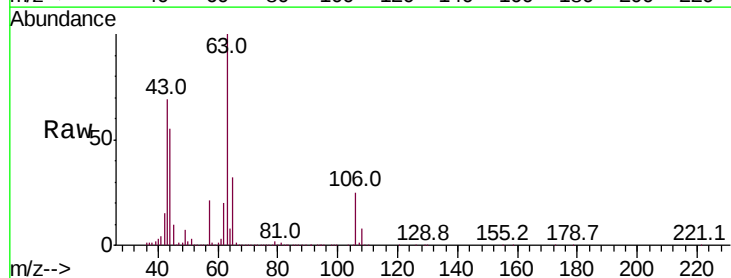
Acq: 19 Mar 2019 20:59

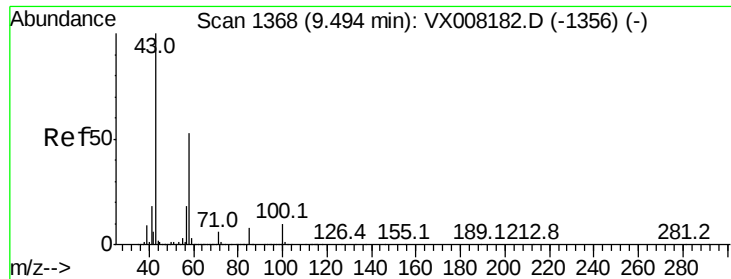
Tgt Ion: 63 Resp: 801278

Ion Ratio Lower Upper

63 100

106 24.8 22.2 33.2





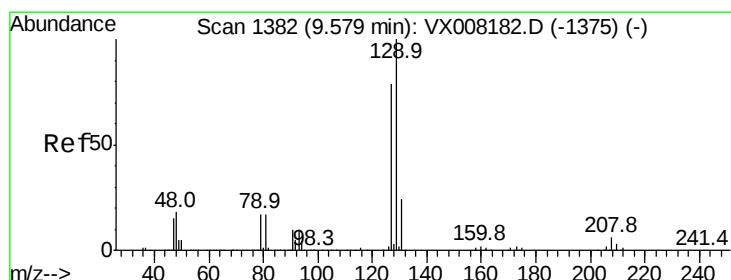
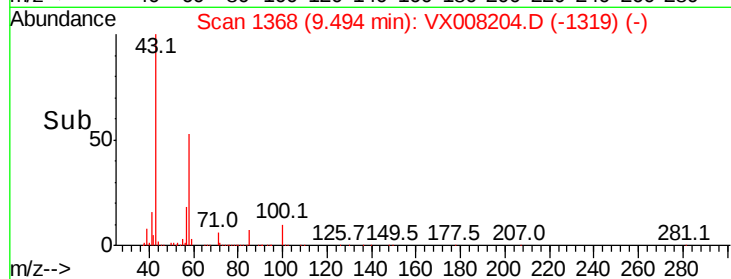
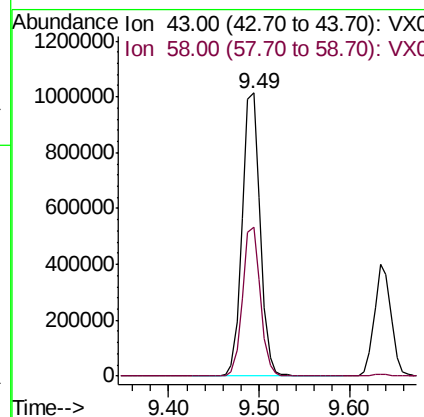
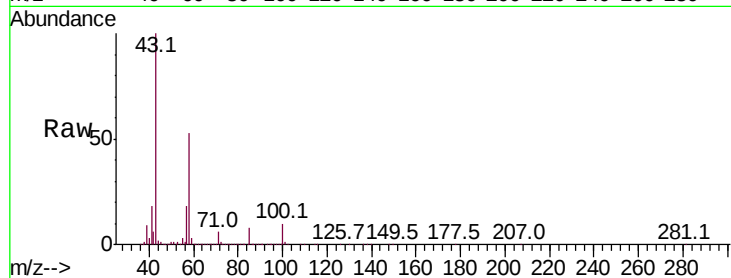
#59
2-Hexanone
Concen: 258.243 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1388333
Ion Ratio Lower Upper
43 100
58 52.2 27.6 82.7

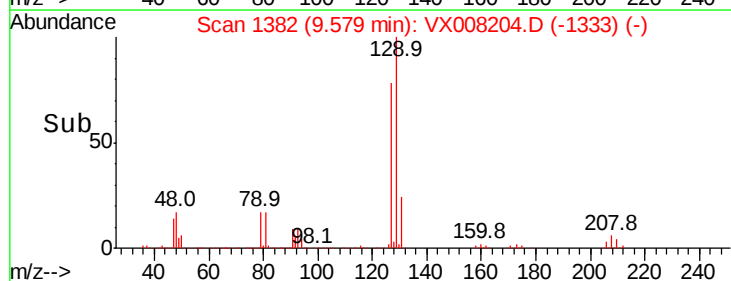
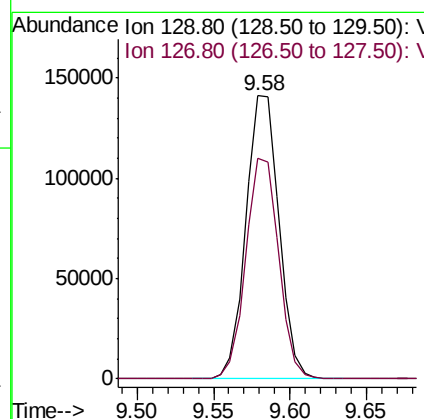
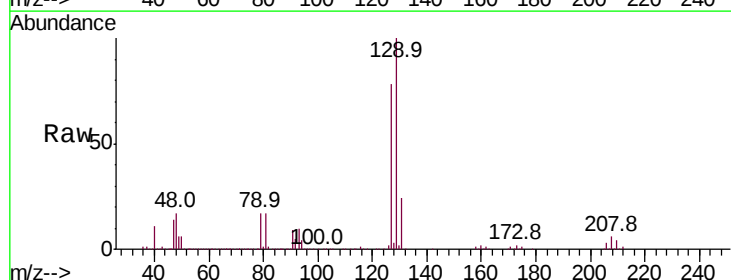
Manual Integrations
APPROVED

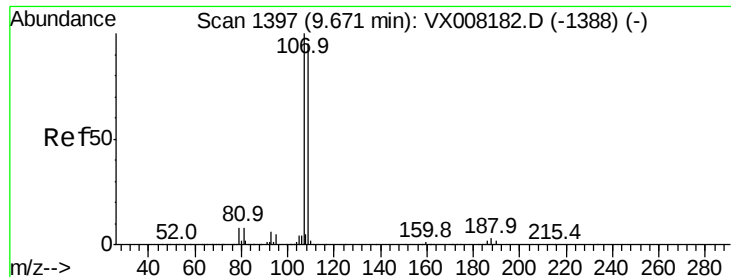
MMDadoda
3/20/2019 10:27:23 AM



#60
Dibromochloromethane
Concen: 54.657 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion: 129 Resp: 212440
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 52.698 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 222538

Ion Ratio Lower Upper

107 100

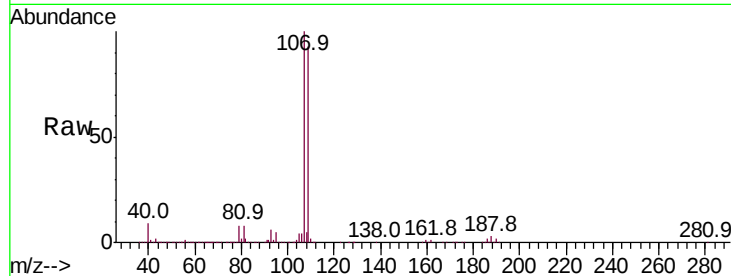
109 93.2 75.8 113.8

Manual Integrations

APPROVED

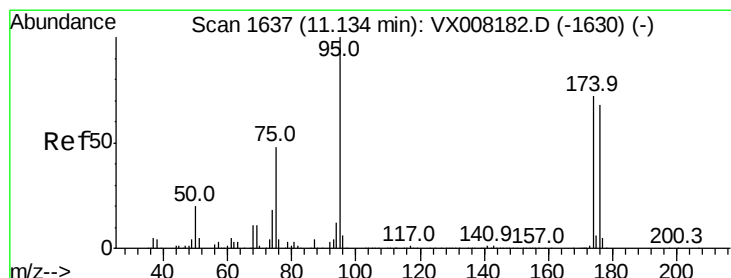
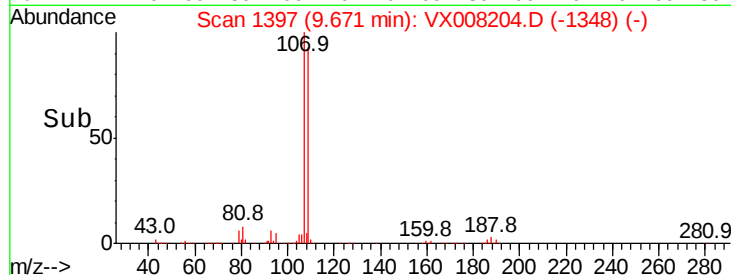
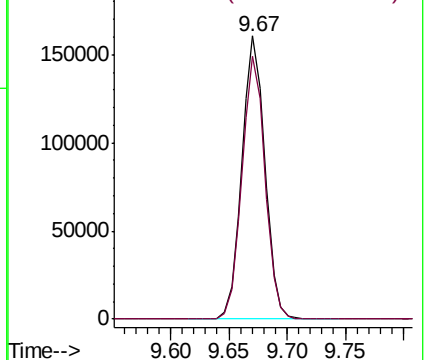
MMDadoda

3/20/2019 10:27:23 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.299 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

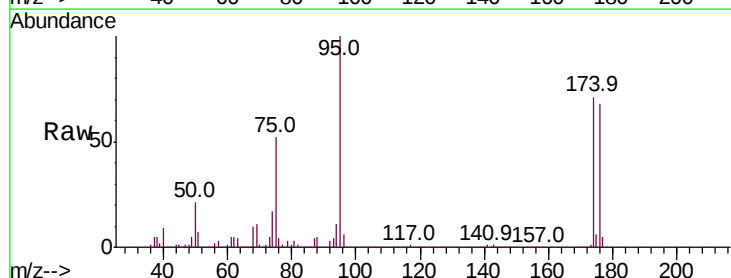
Tgt Ion: 95 Resp: 210947

Ion Ratio Lower Upper

95 100

174 78.3 0.0 182.8

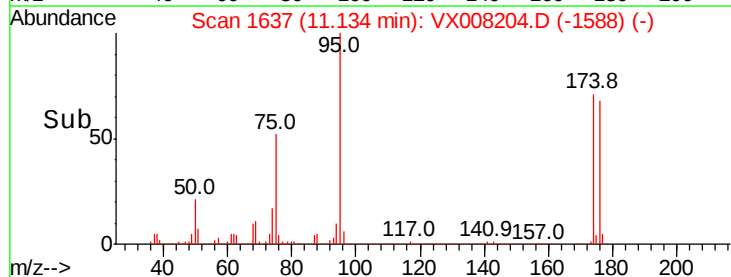
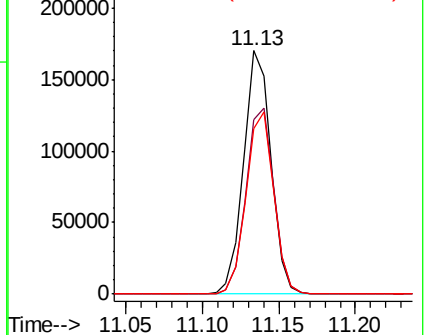
176 76.1 0.0 178.0

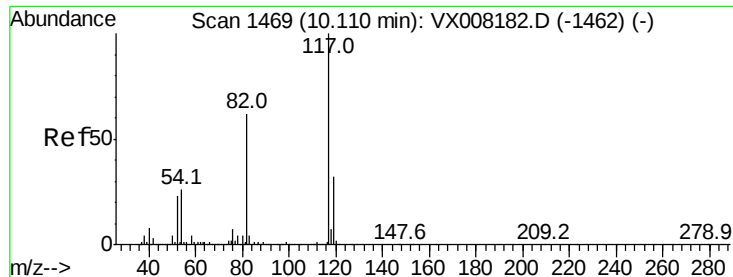


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





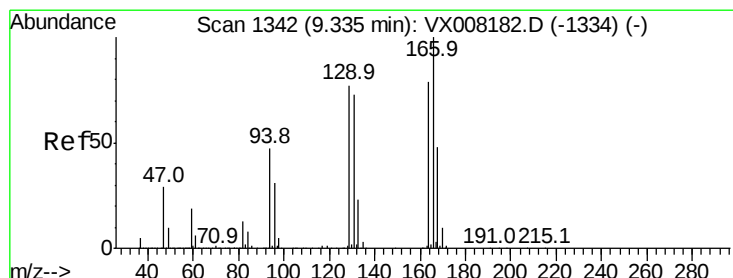
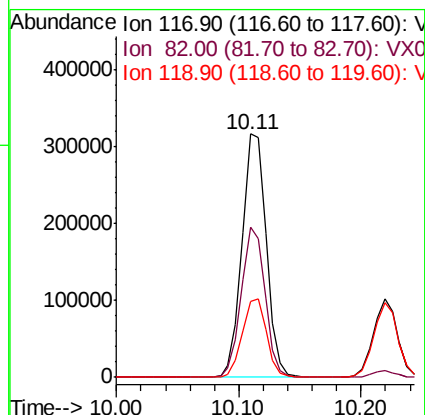
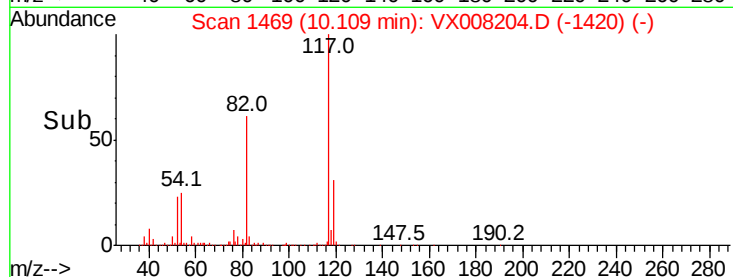
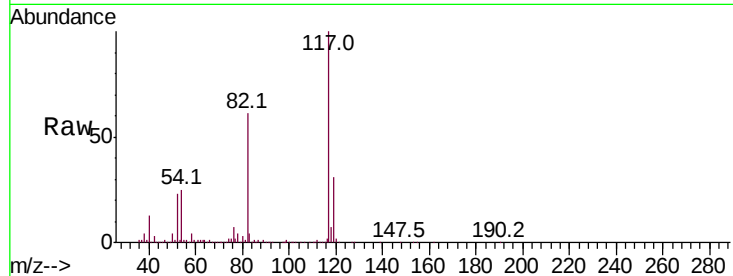
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	433466		
82	61.4		44.3	66.5
119	31.3		25.3	37.9

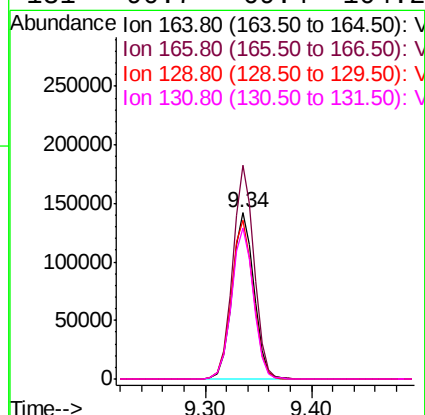
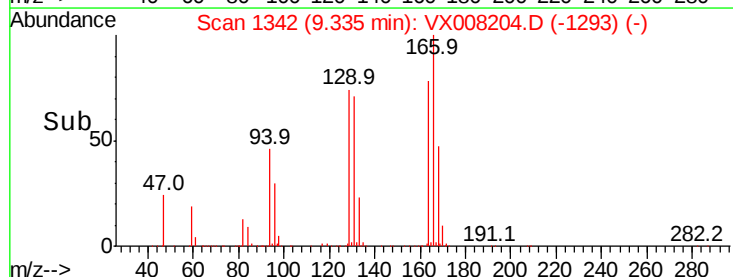
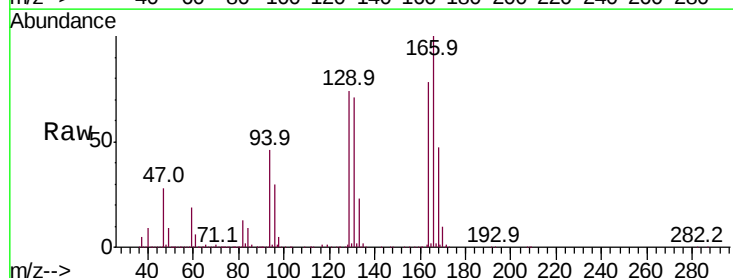
Manual Integrations
APPROVED

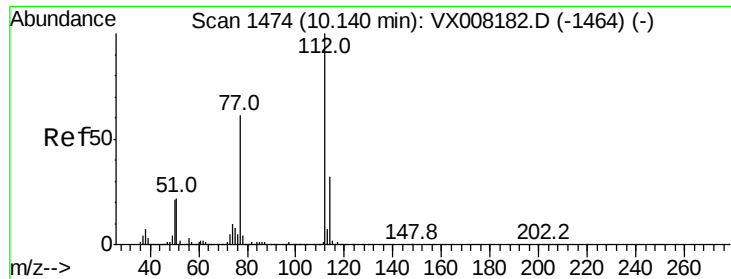
MMDadoda
3/20/2019 10:27:23 AM



#64
Tetrachloroethene
Concen: 51.789 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	202531		
166	128.4		103.4	155.0
129	95.4		72.2	108.4
131	90.7		69.4	104.2





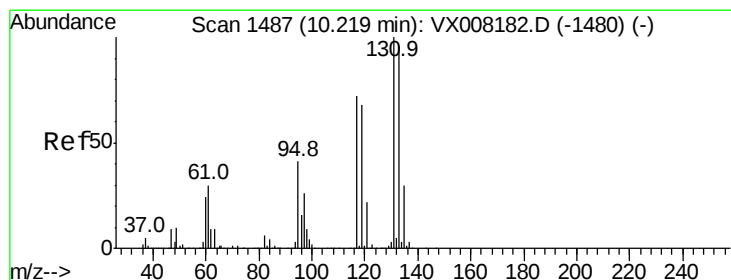
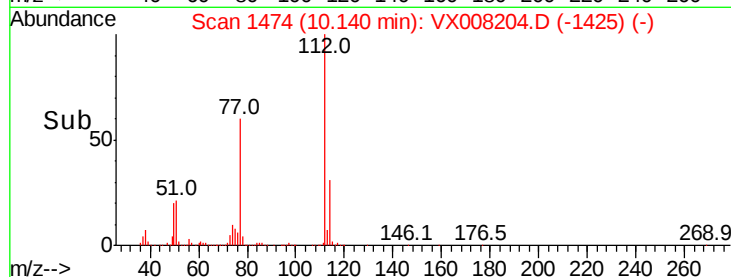
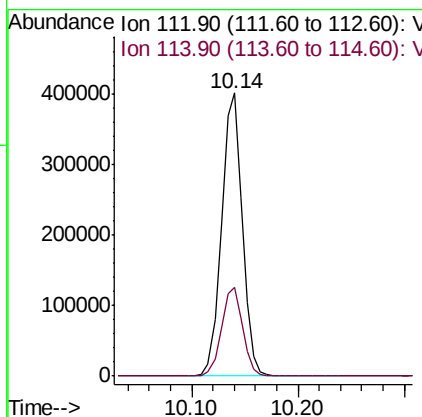
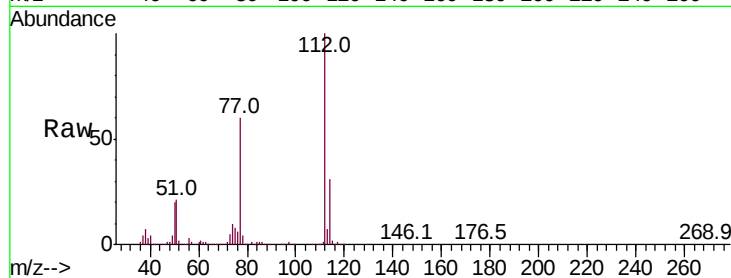
#65
Chlorobenzene
Concen: 51.081 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 544825
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0

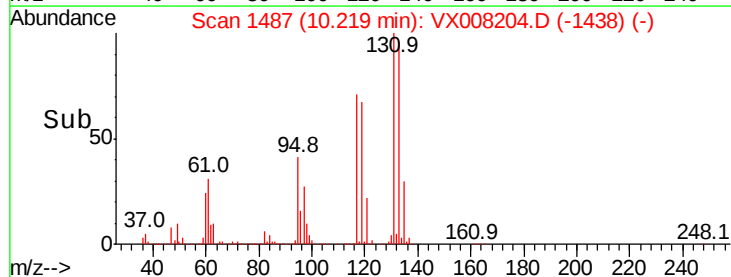
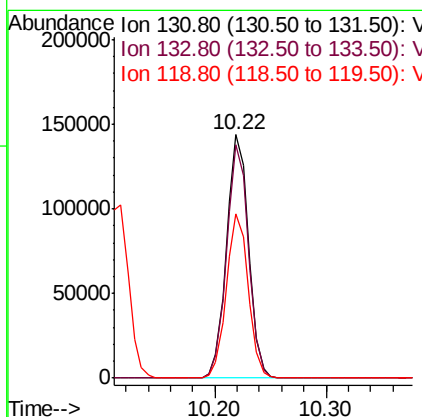
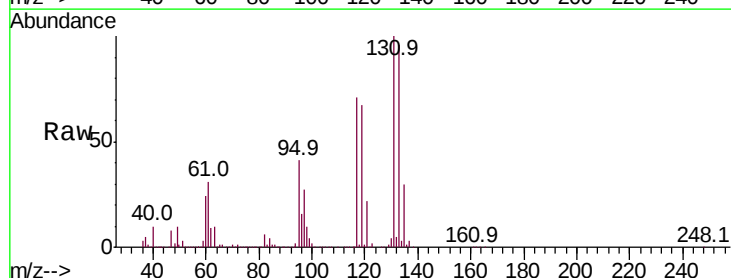
Manual Integrations
APPROVED

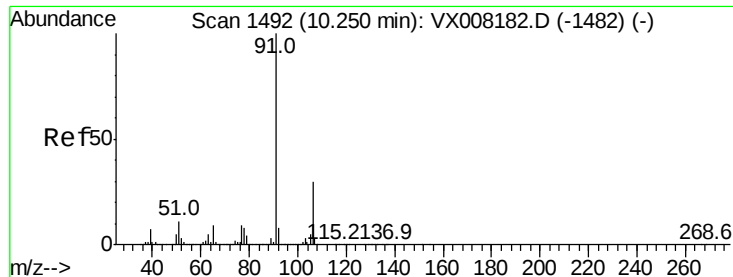
MMDadoda
3/20/2019 10:27:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.878 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion:131 Resp: 196639
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 66.9 32.5 97.5





#67

Ethyl Benzene

Concen: 52.511 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 986972

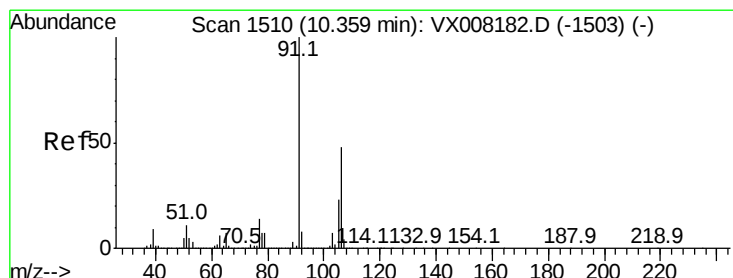
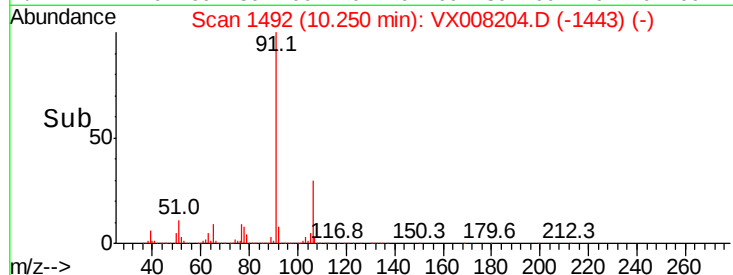
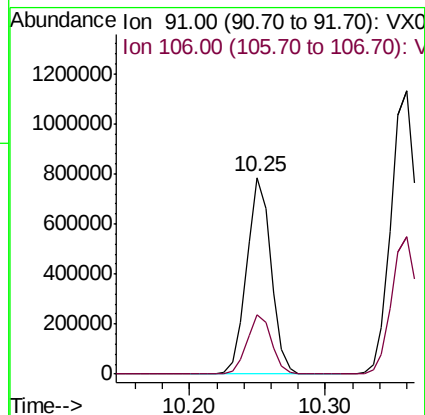
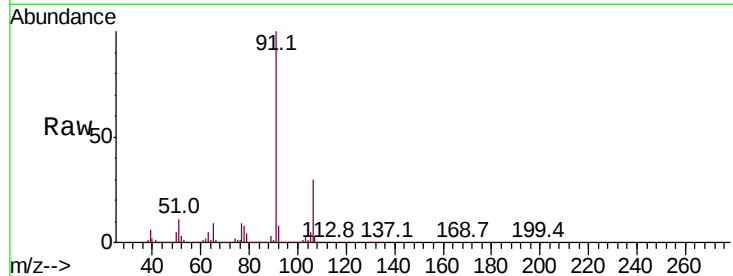
Ion Ratio Lower Upper

91 100

106 30.0 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
3/20/2019 10:27:23 AM



#68

m/p-Xylenes

Concen: 105.155 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008204.D

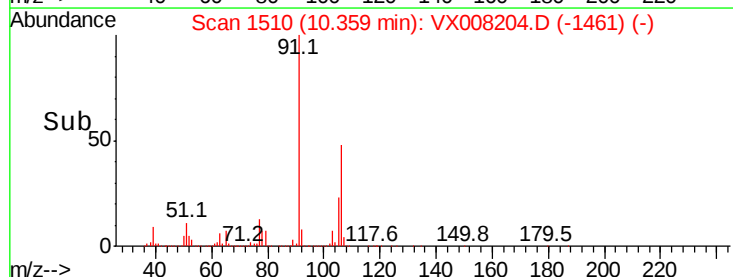
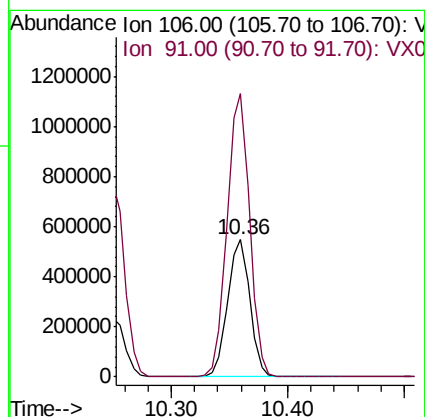
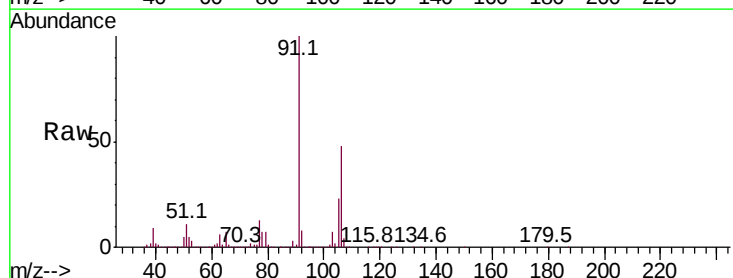
Acq: 19 Mar 2019 20:59

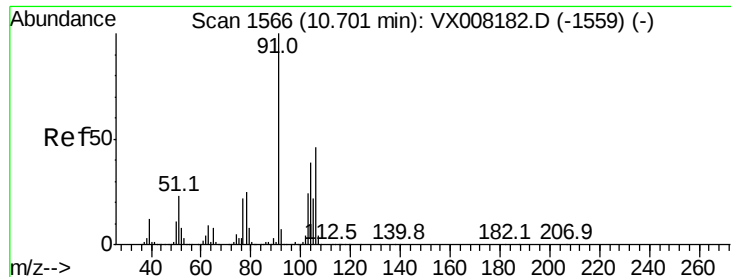
Tgt Ion: 106 Resp: 726023

Ion Ratio Lower Upper

106 100

91 208.6 159.8 239.6





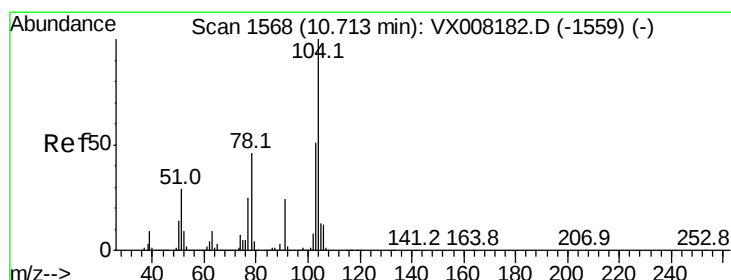
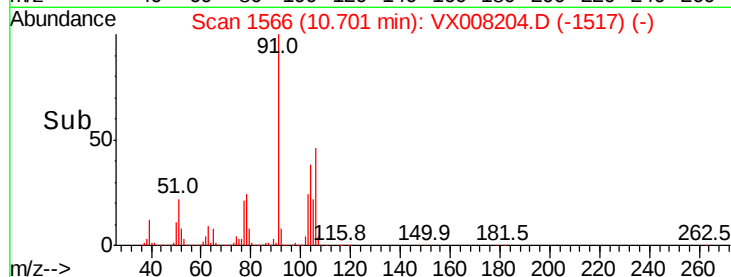
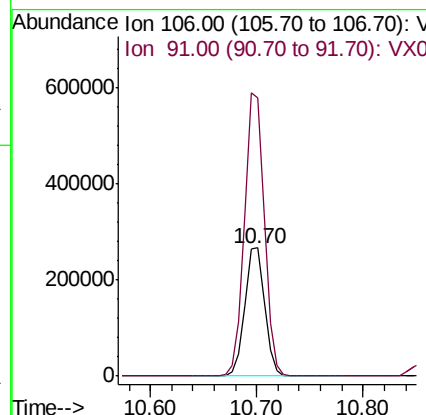
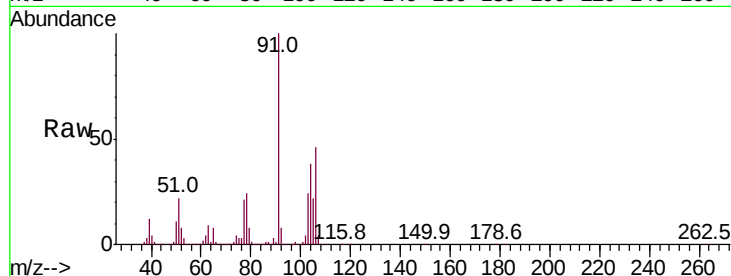
#69
o-Xylene
Concen: 52.772 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.7	106.3	318.9

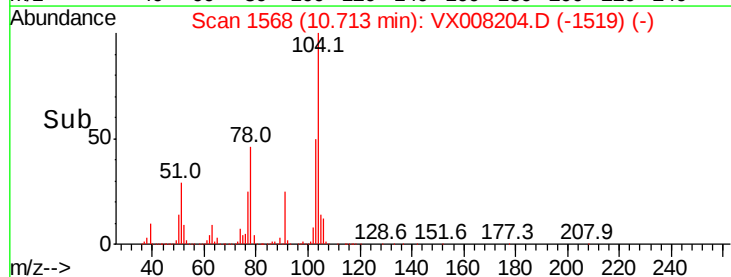
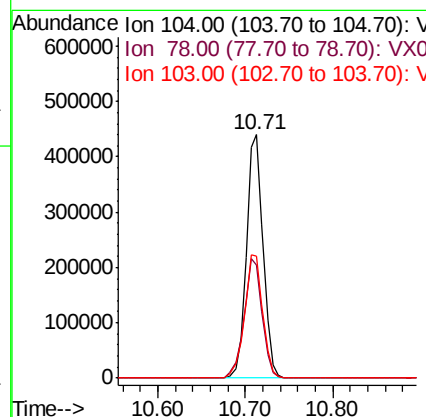
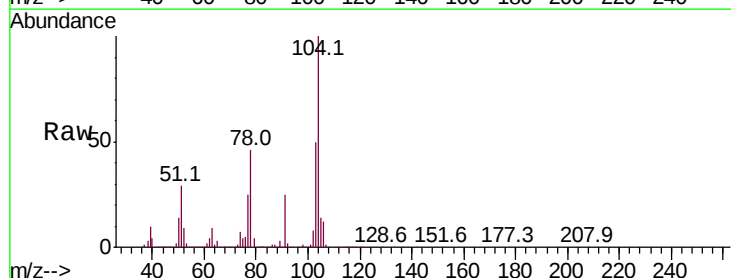
Manual Integrations
APPROVED

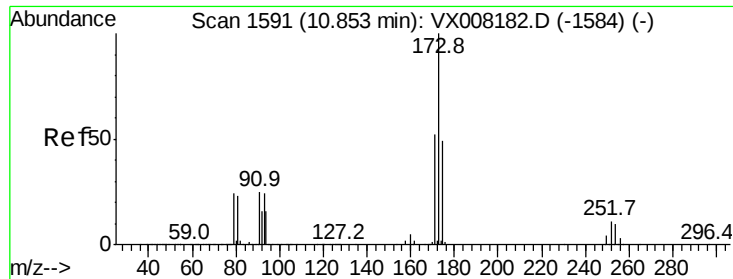
MMDadoda
3/20/2019 10:27:23 AM



#70
Styrene
Concen: 53.165 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.5	38.5	57.7
103	55.8	44.1	66.1





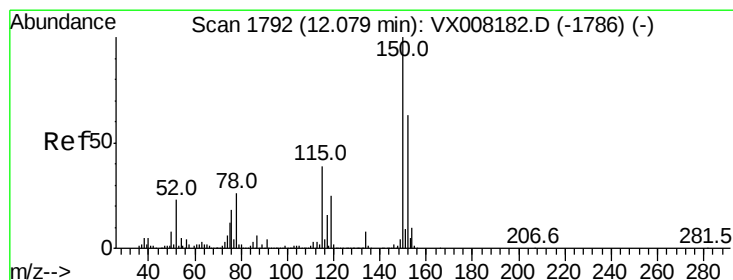
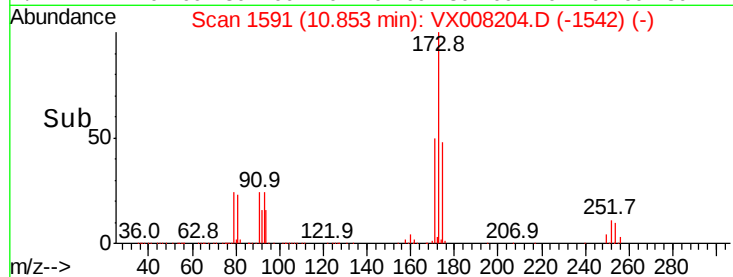
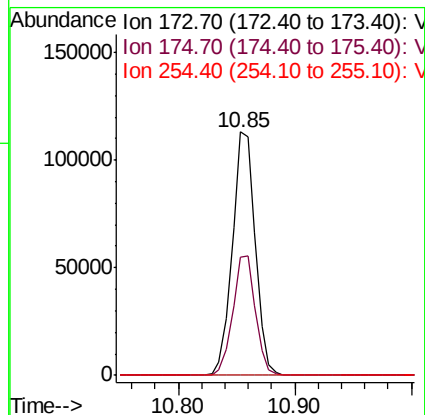
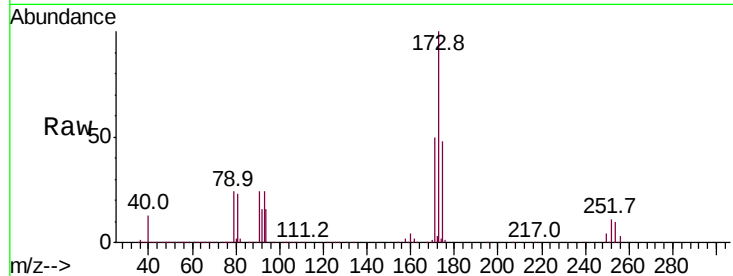
#71
Bromoform
Concen: 48.252 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
173	100	154348		
175	48.7	24.3	72.9	
254	0.2	0.1	0.1#	

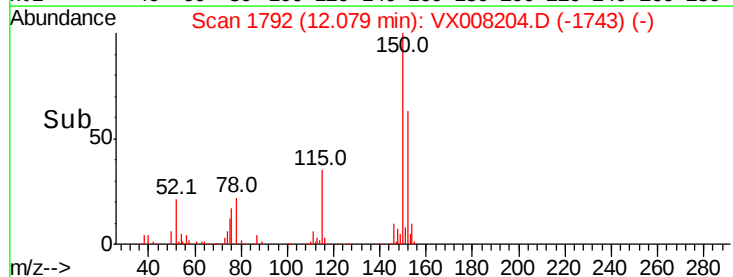
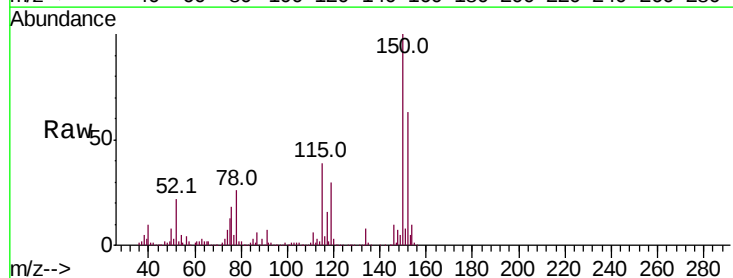
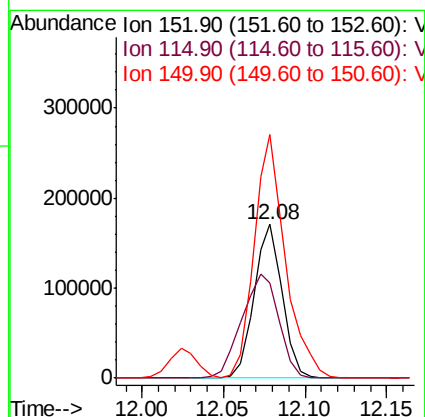
Manual Integrations
APPROVED

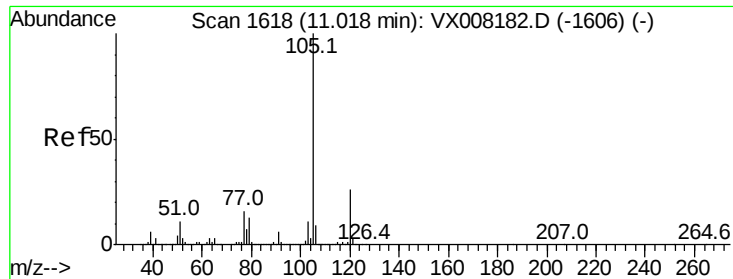
MMDadoda
3/20/2019 10:27:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	203961		
115	89.5	38.6	115.7	
150	176.3	0.0	348.4	





#73

Isopropylbenzene

Concen: 51.659 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 939163

Ion Ratio Lower Upper

105 100

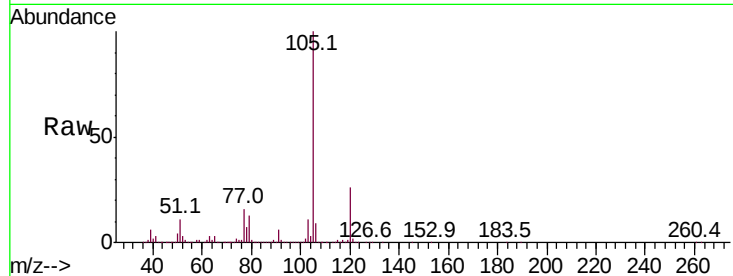
120 25.9 13.4 40.1

Manual Integrations

APPROVED

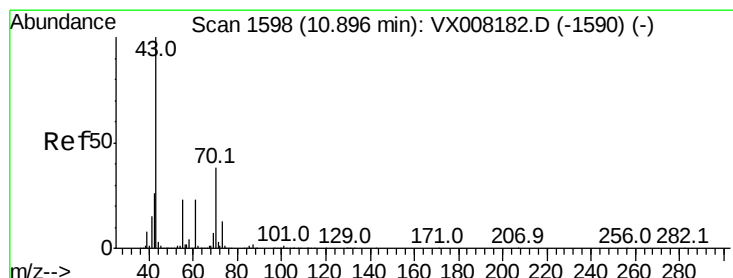
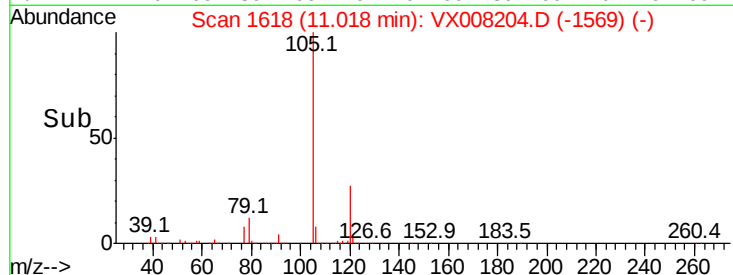
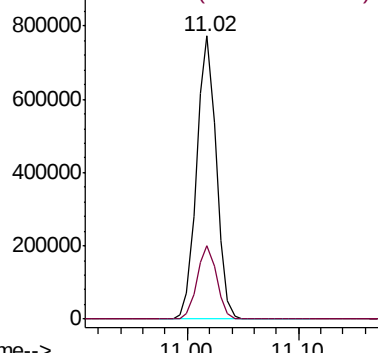
MMDadoda

3/20/2019 10:27:23 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.376 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion: 43 Resp: 489363

Ion Ratio Lower Upper

43 100

70 39.0 33.5 50.3

55 23.8 19.2 28.8

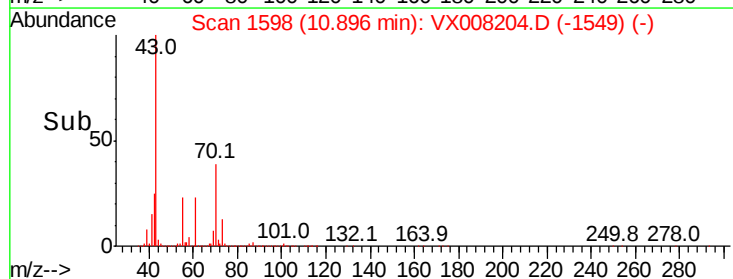
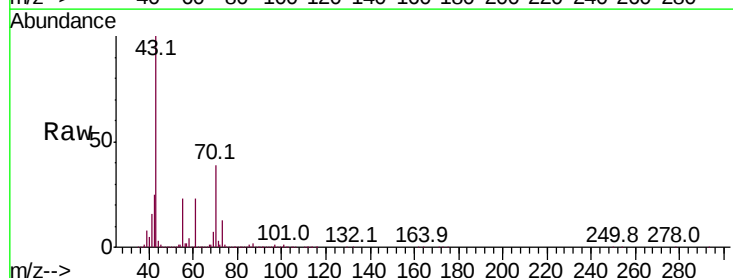
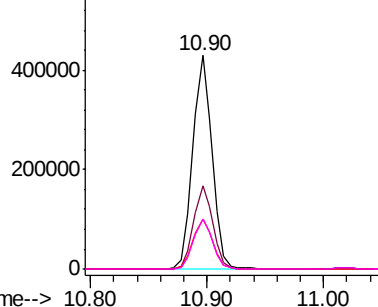
61 23.2 19.0 28.6

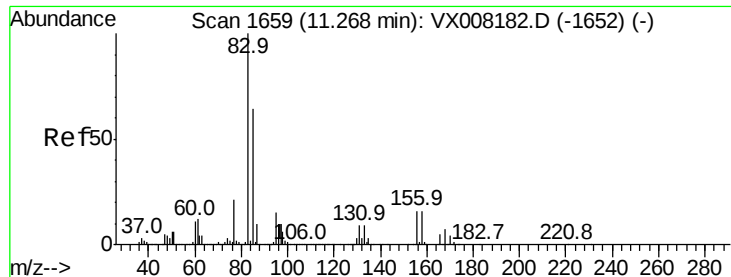
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.696 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 323970

Ion Ratio Lower Upper

83 100

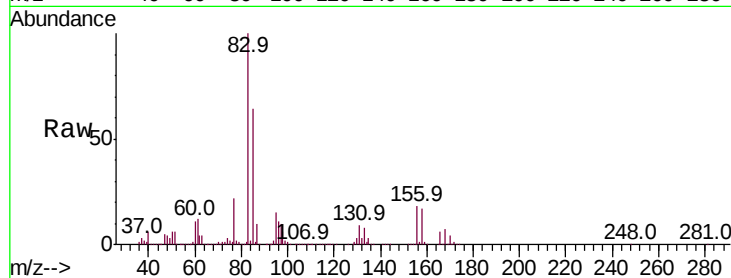
131 9.4 5.4 16.2

85 64.5 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

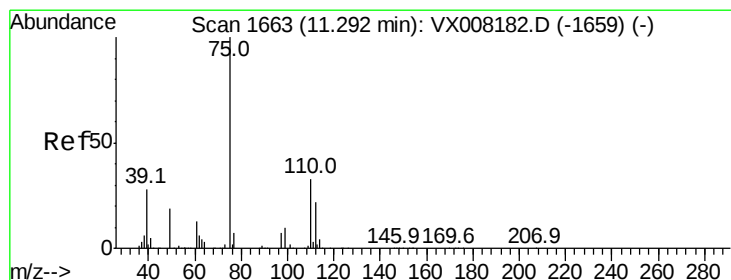
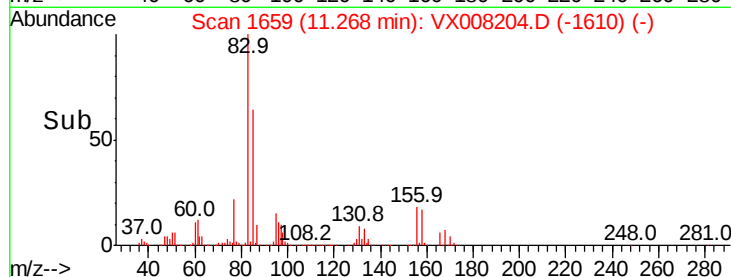
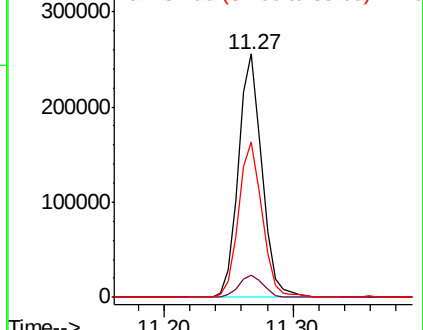
3/20/2019 10:27:23 AM



Abundance Ion 82.90 (82.60 to 83.60): VX008204.D (-1610) (-)

Ion 130.80 (130.50 to 131.50): VX008204.D (-1610) (-)

Ion 84.90 (84.60 to 85.60): VX008204.D (-1610) (-)



#76

1,2,3-Trichloropropane

Concen: 48.934 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008204.D

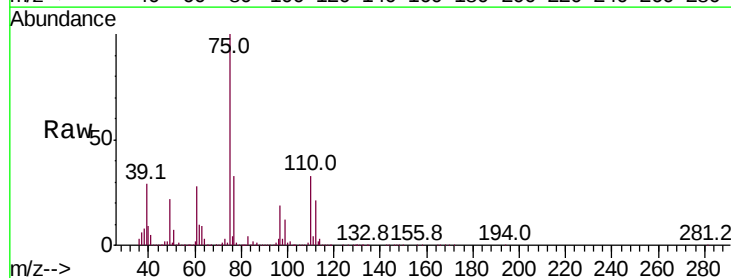
Acq: 19 Mar 2019 20:59

Tgt Ion: 75 Resp: 280715

Ion Ratio Lower Upper

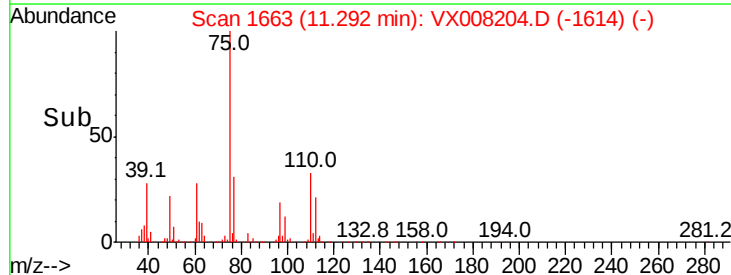
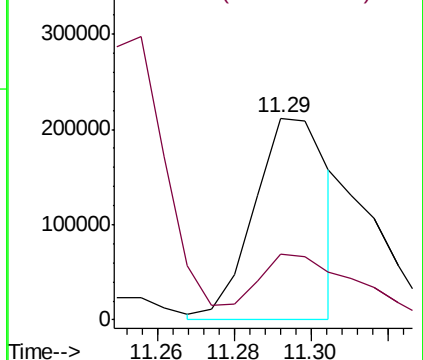
75 100

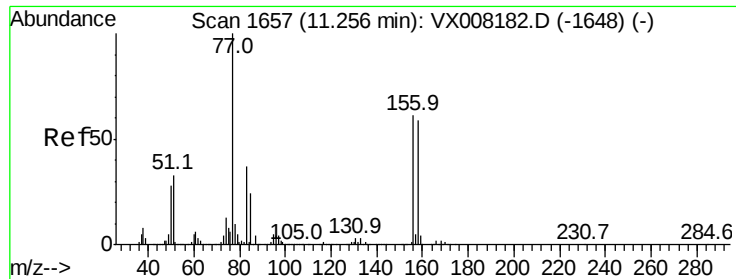
77 45.0 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX008204.D (-1614) (-)

Ion 77.00 (76.70 to 77.70): VX008204.D (-1614) (-)





#77

Bromobenzene

Concen: 50.756 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

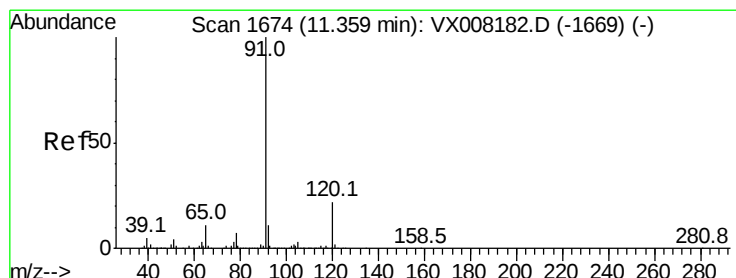
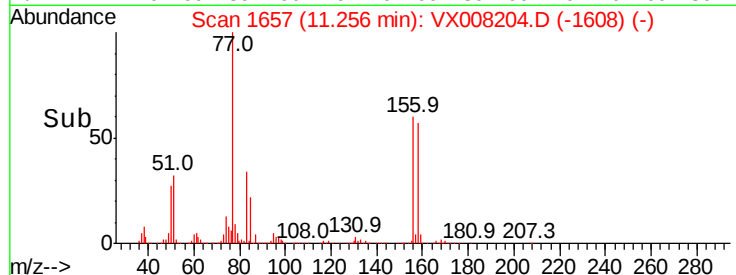
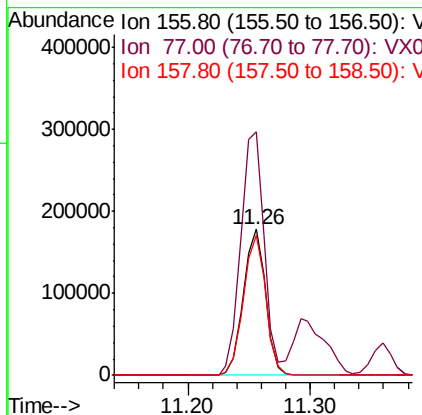
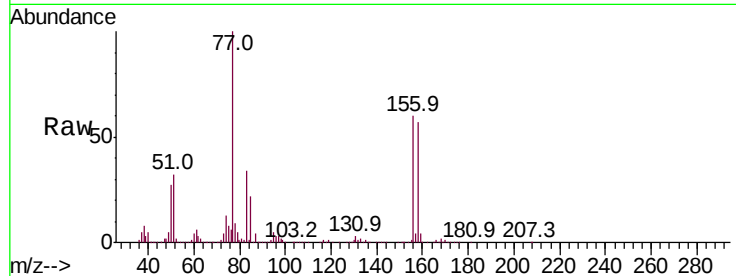
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	223106
Ion Ratio	Lower	Upper	
156	100		
77	174.8	72.0	215.9
158	96.4	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 52.143 ug/l

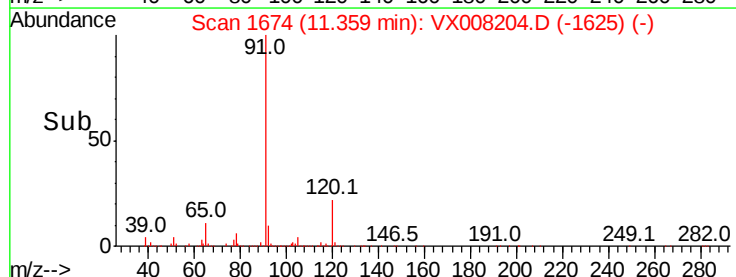
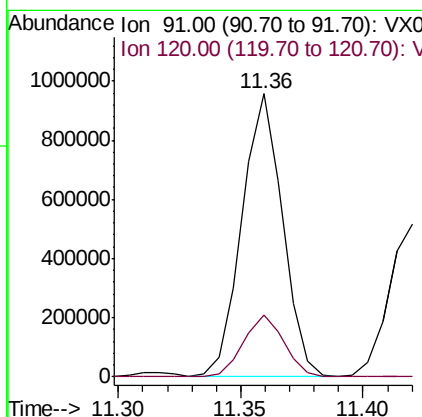
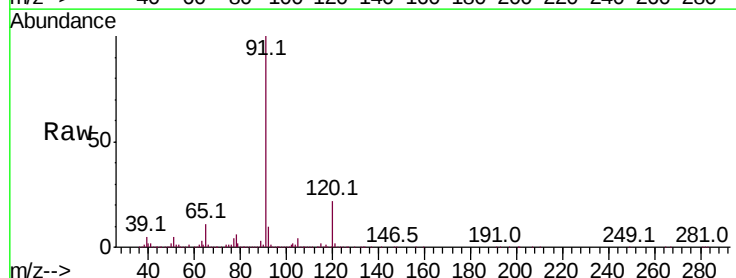
RT: 11.36 min Scan# 1674

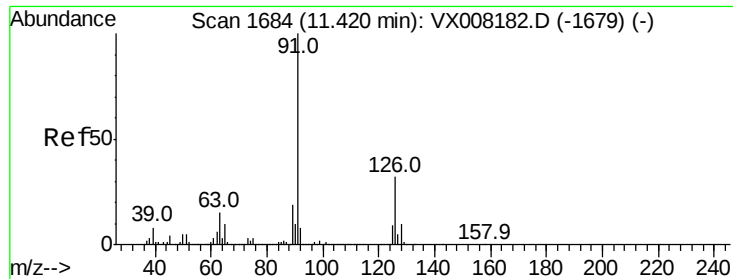
Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion:	91	Resp:	1101026
Ion Ratio	Lower	Upper	
91	100		
120	22.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 50.736 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 643014

Ion Ratio Lower Upper

91 100

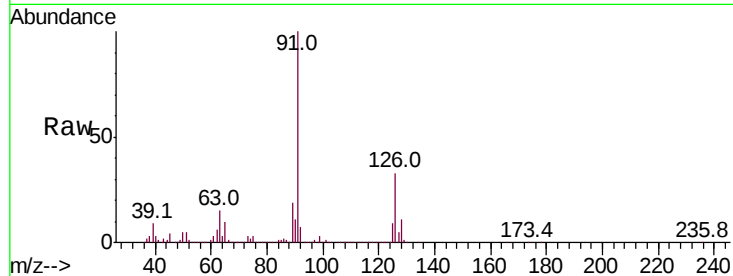
126 32.4 17.5 52.6

Manual Integrations

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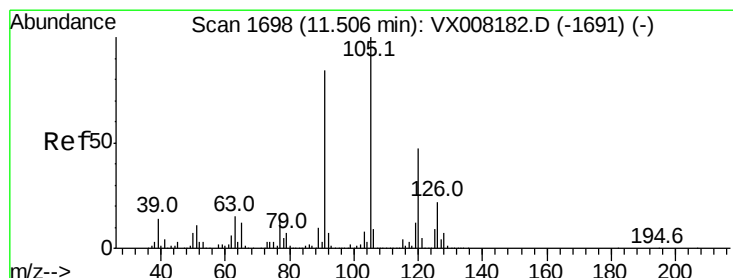
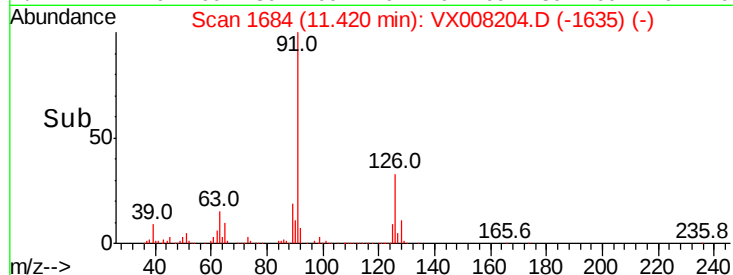
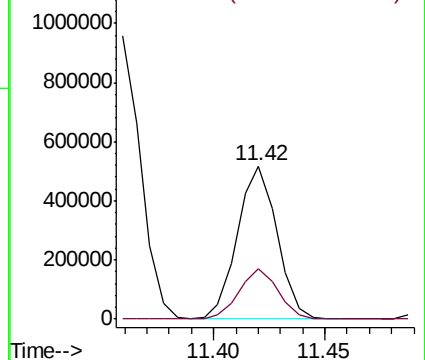
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.661 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008204.D

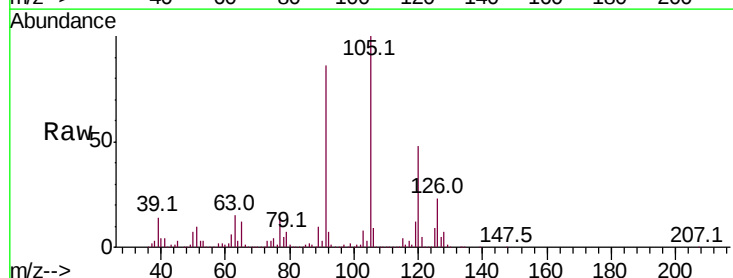
Acq: 19 Mar 2019 20:59

Tgt Ion:105 Resp: 775938

Ion Ratio Lower Upper

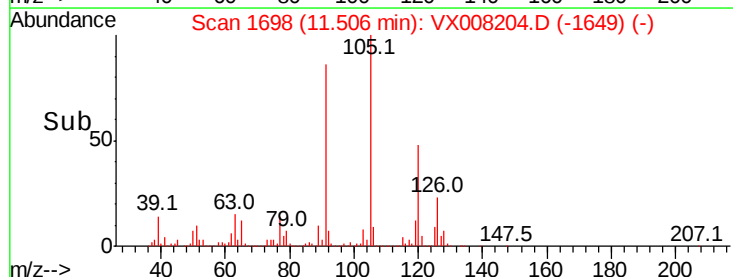
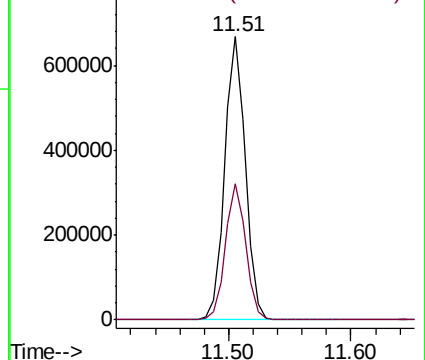
105 100

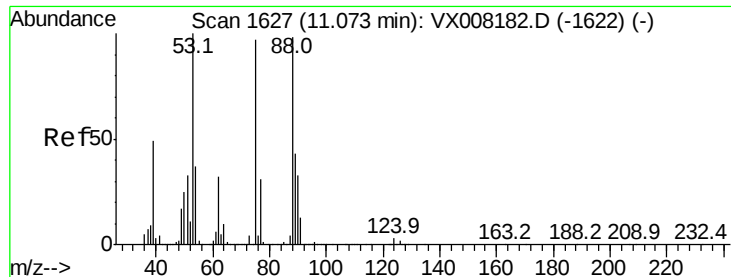
120 47.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.211 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 103736

Ion Ratio Lower Upper

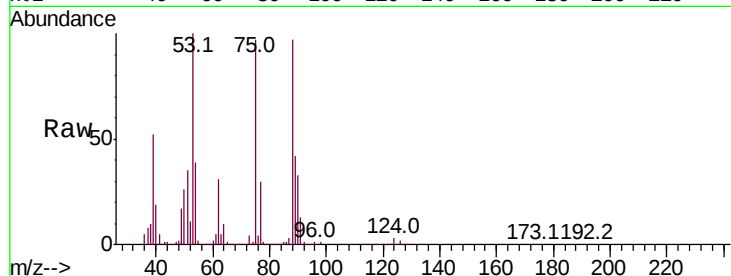
75 100

53 103.5 76.1 114.1

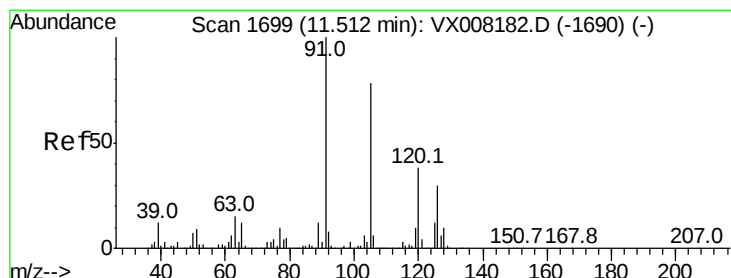
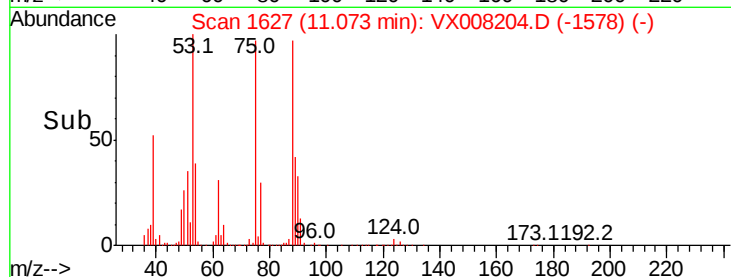
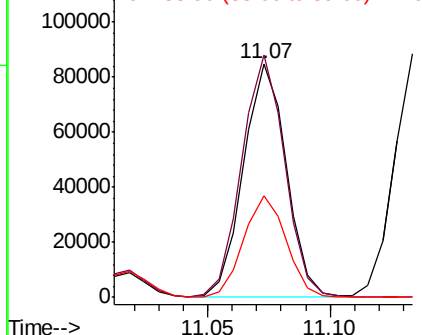
89 43.5 36.3 54.5

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.740 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008204.D

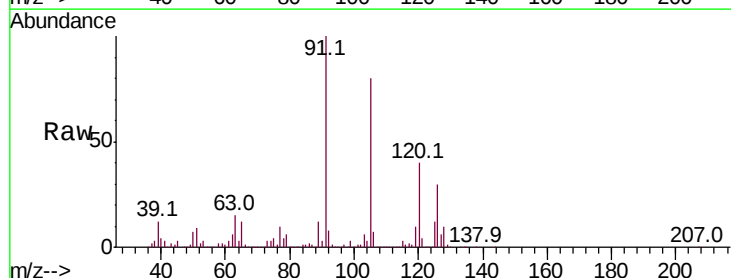
Acq: 19 Mar 2019 20:59

Tgt Ion: 91 Resp: 748304

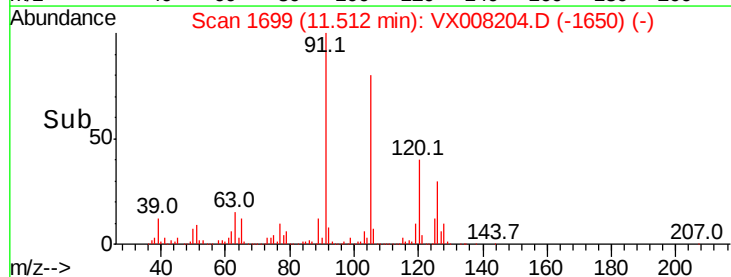
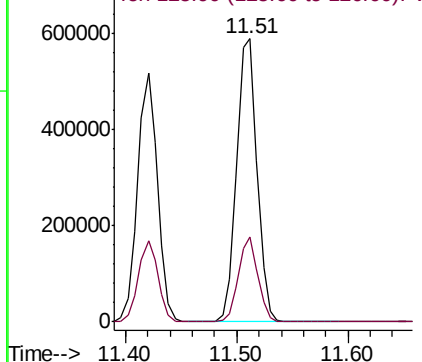
Ion Ratio Lower Upper

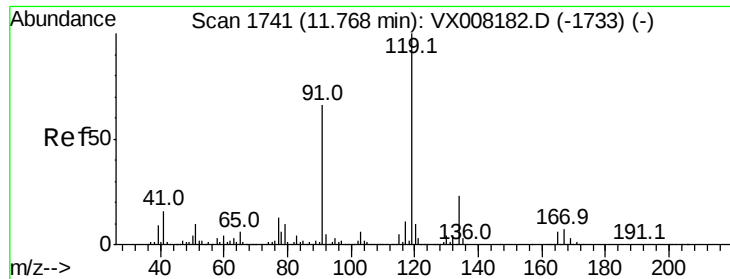
91 100

126 28.6 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.318 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

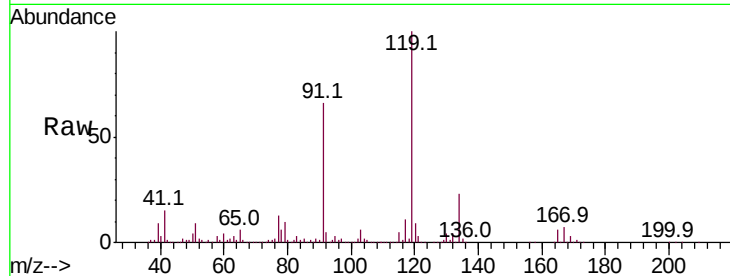
ClientSampleId :

VSTDCCC050EC

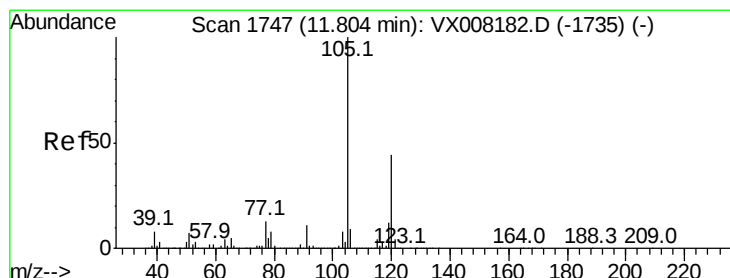
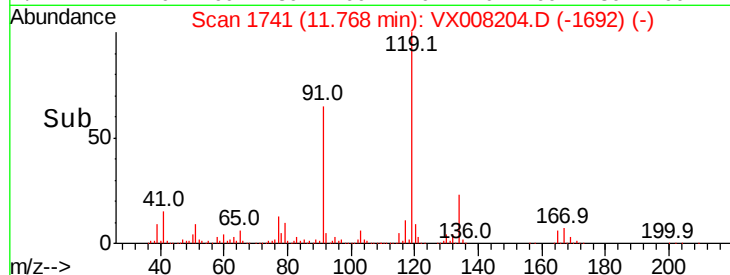
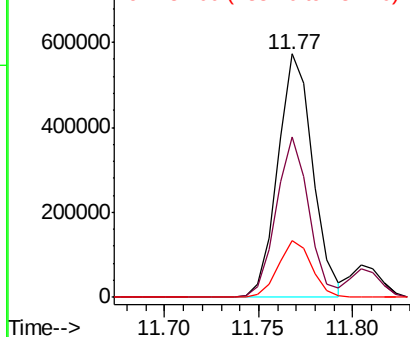
Tot Ion:	119	Resp:	735885
Ion Ratio	Lower	Upper	
119	100		
91	61.8	27.1	81.3
134	22.4	11.4	34.1

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.986 ug/l

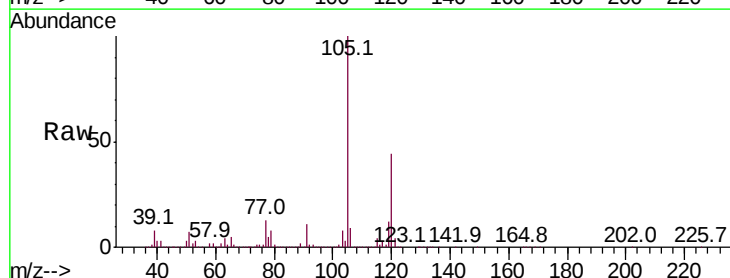
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

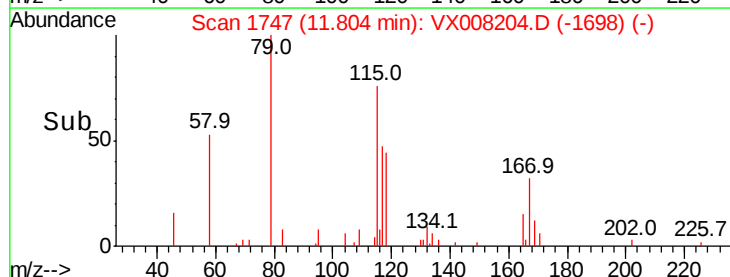
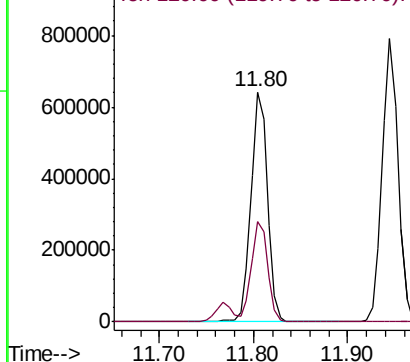
Lab File: VX008204.D

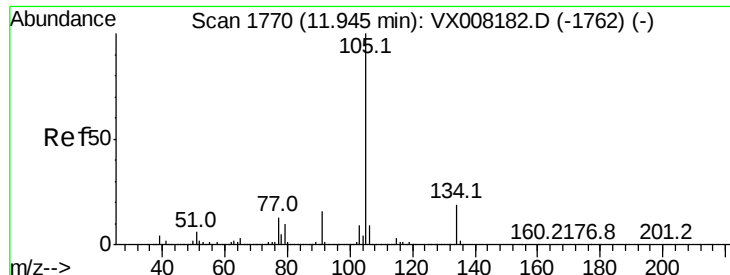
Acq: 19 Mar 2019 20:59

Tgt Ion:	105	Resp:	791581
Ion Ratio	Lower	Upper	
105	100		
120	43.1	22.6	67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.283 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 928446

Ion Ratio Lower Upper

105 100

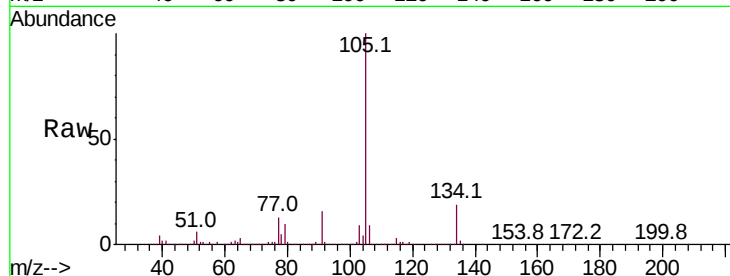
134 18.9 10.4 31.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

800000

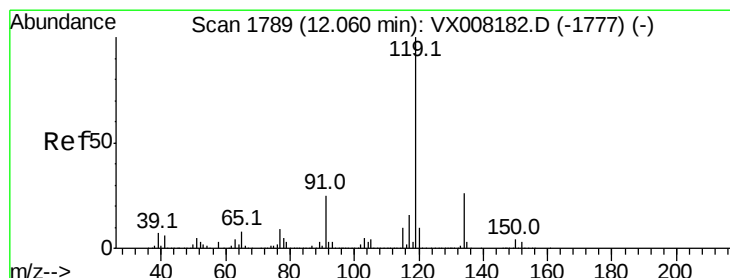
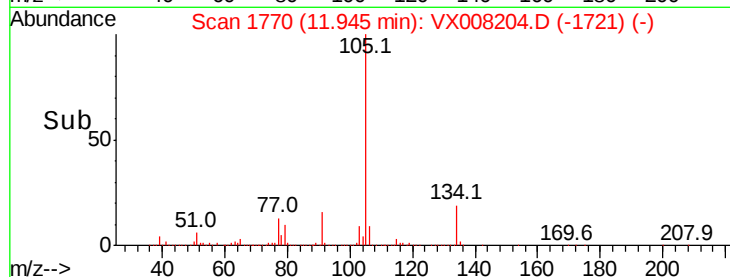
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.390 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

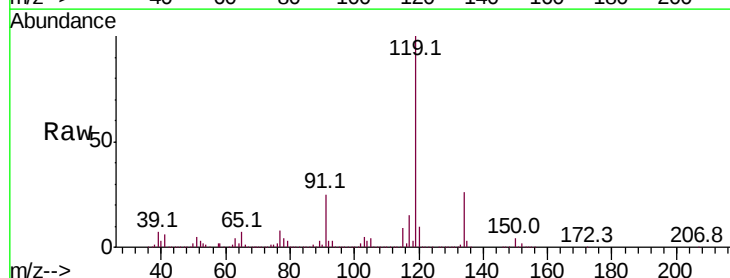
Tgt Ion:119 Resp: 789935

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 24.6 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

800000

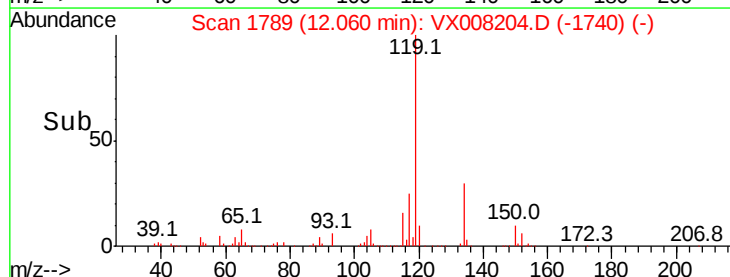
600000

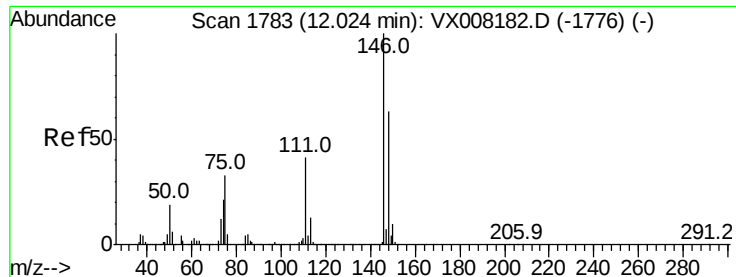
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.035 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Instrument :

MSVOA_X

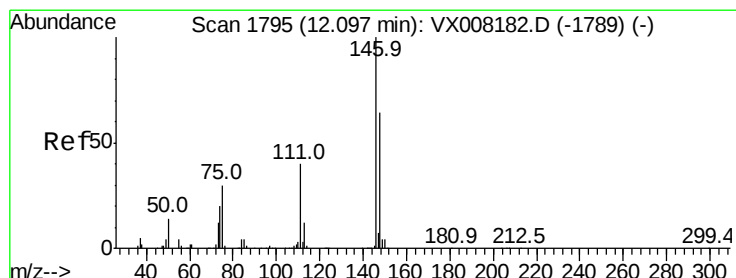
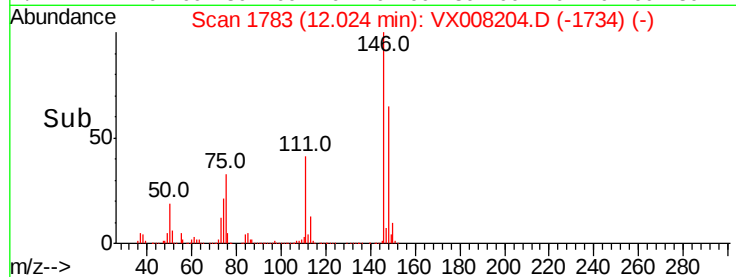
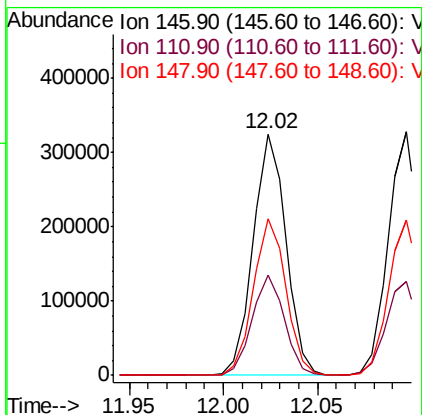
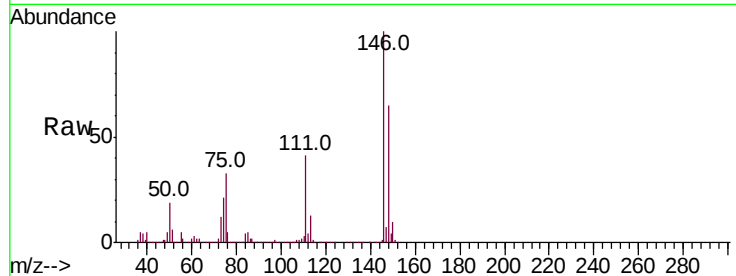
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	393055
Ion Ratio	Lower	Upper	
146	100		
111	40.9	18.9	56.7
148	64.3	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.448 ug/l

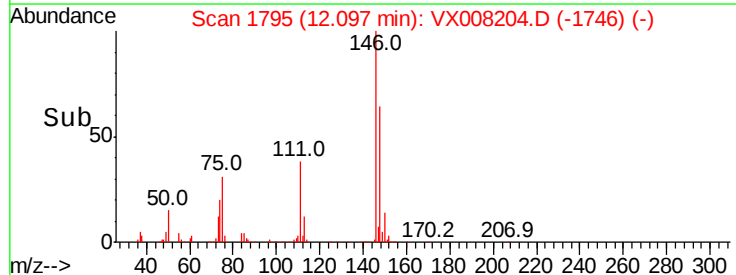
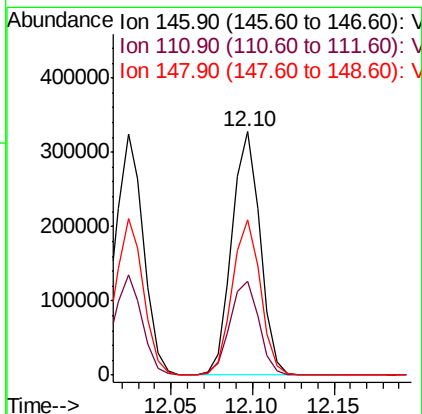
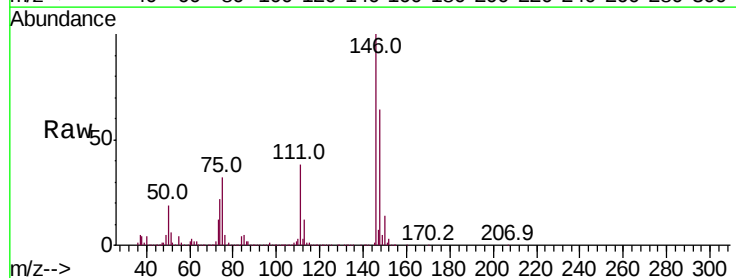
RT: 12.10 min Scan# 1795

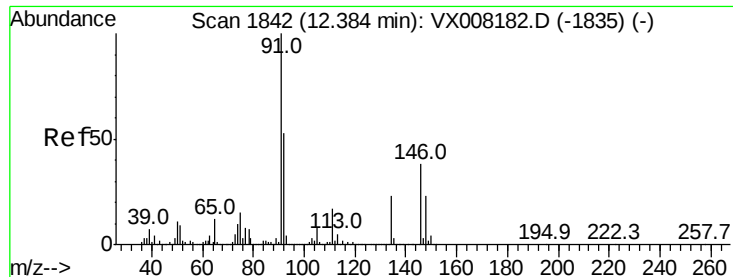
Delta R.T. -0.00 min

Lab File: VX008204.D

Acq: 19 Mar 2019 20:59

Tgt Ion:	146	Resp:	393671
Ion Ratio	Lower	Upper	
146	100		
111	39.9	18.4	55.0
148	64.4	32.2	96.6





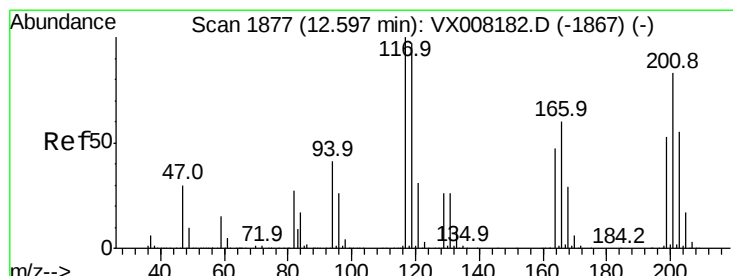
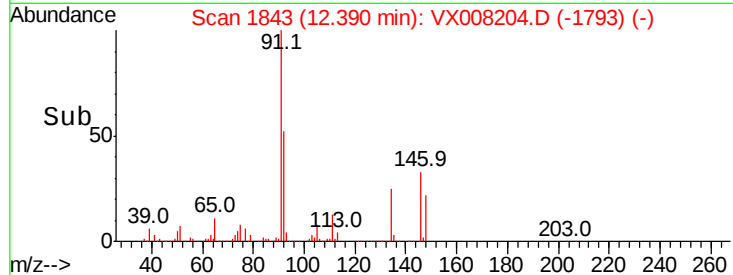
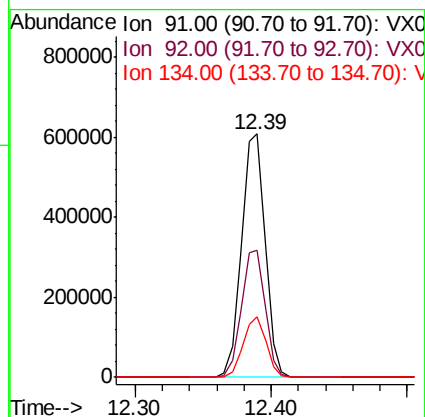
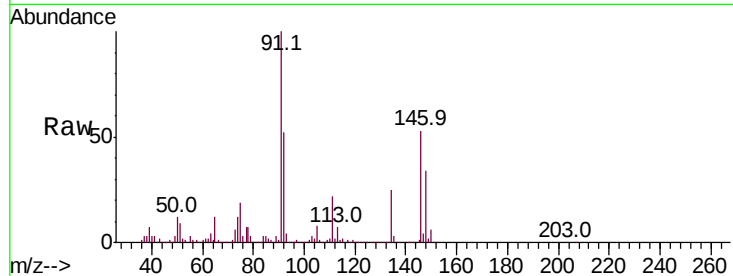
#89
n-Butylbenzene
Concen: 50.884 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.0	80.8
134	24.1	13.7	41.0

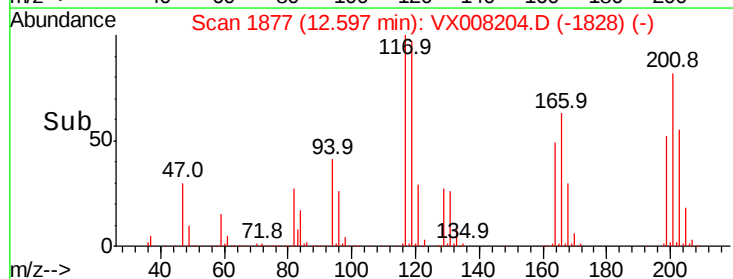
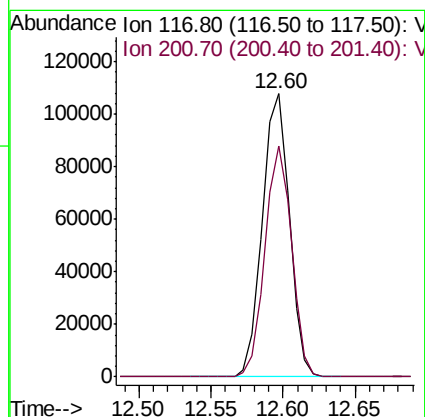
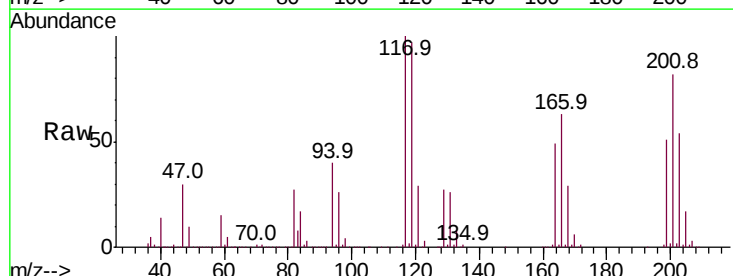
Manual Integrations
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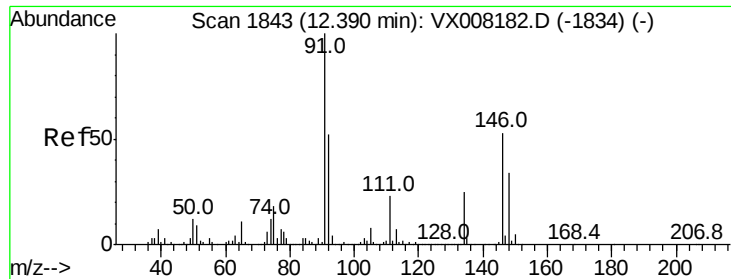
MMDadoda
3/20/2019 10:27:23 AM



#90
Hexachloroethane
Concen: 53.201 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	48.9	146.7





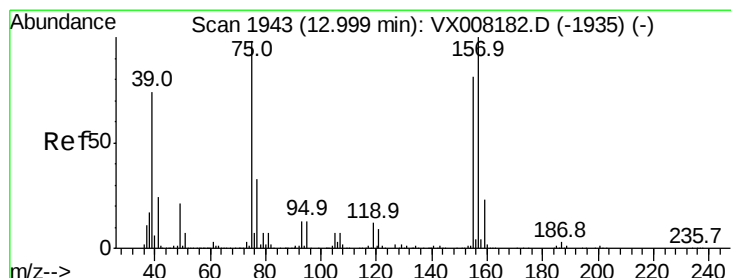
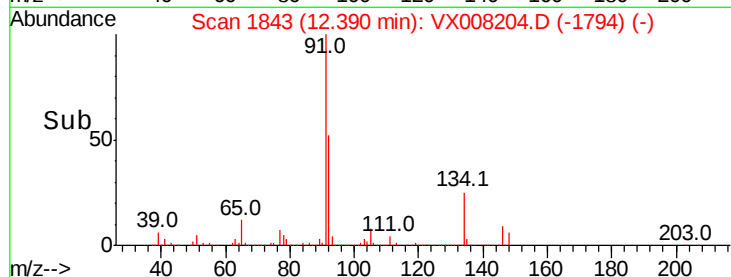
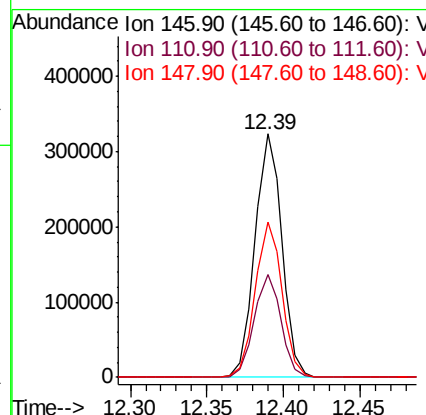
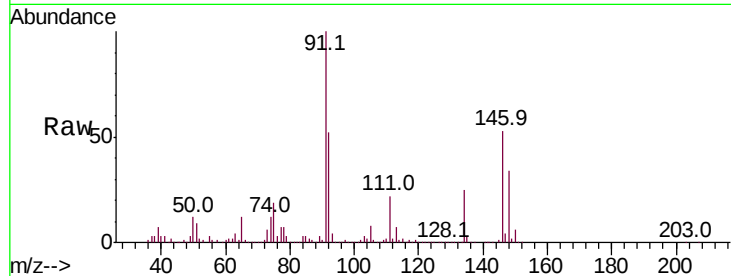
#91
1,2-Dichlorobenzene
Concen: 49.855 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.6	58.8
148	63.5	31.9	95.5

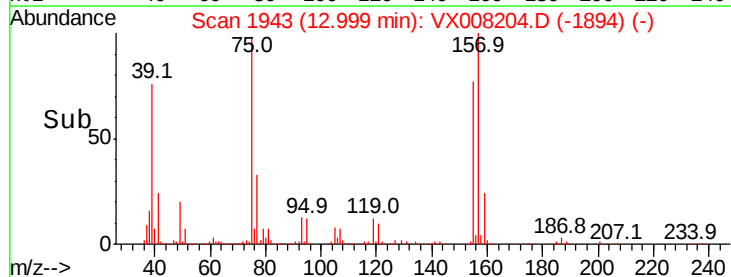
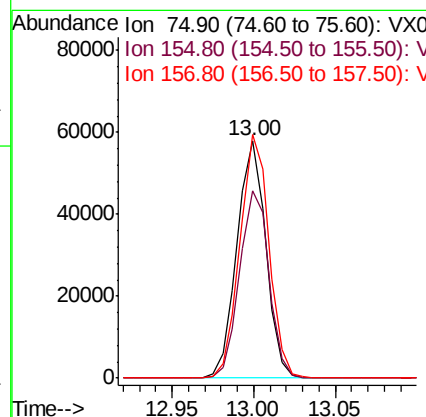
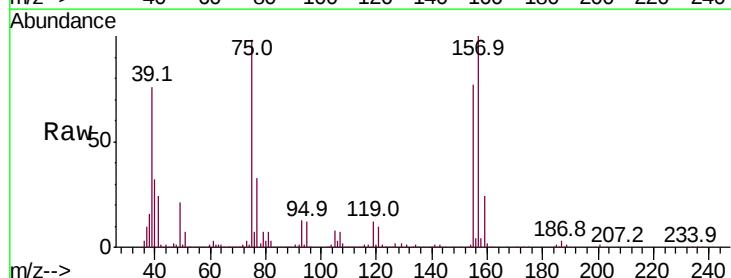
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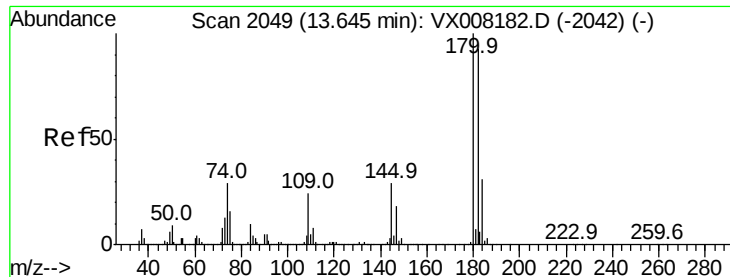
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#92
1,2-Dibromo-3-Chloropropane
Concen: 49.489 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	49.7	149.1
157	102.9	63.8	191.4





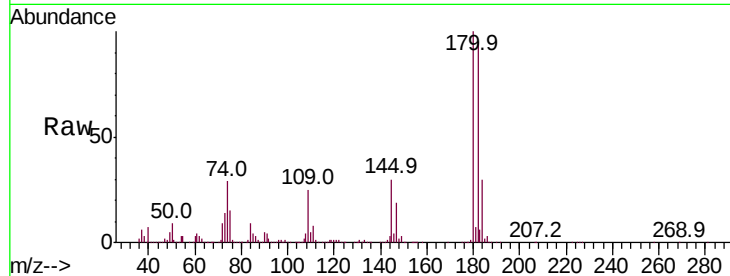
#93
1,2,4-Trichlorobenzene
Concen: 49.171 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

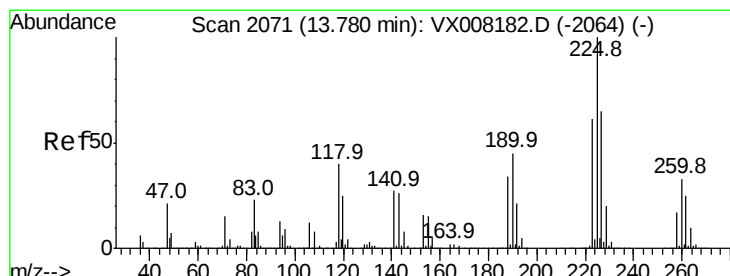
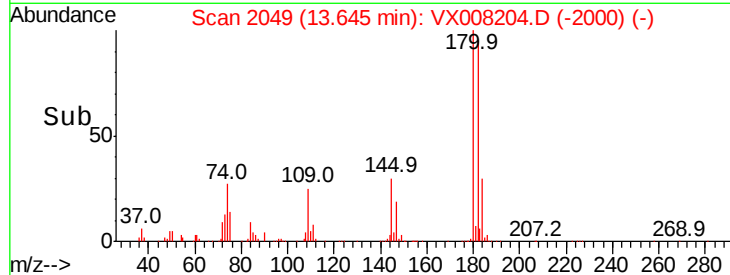
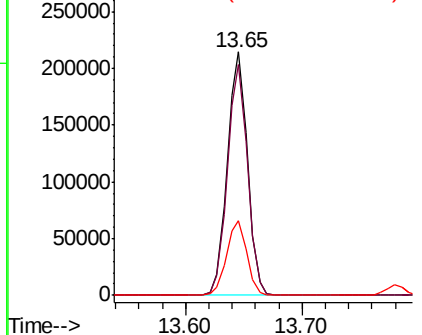
Tot Ion	Ratio	Resp	Lower	Upper
180	100	256541		
182	94.8	47.9	143.7	
145	30.6	14.1	42.4	

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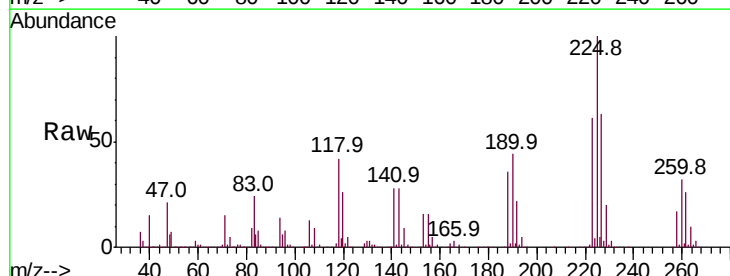


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

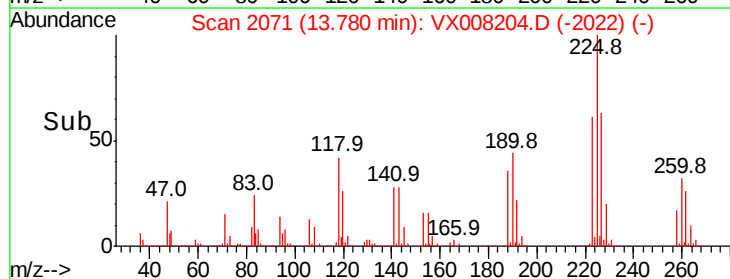
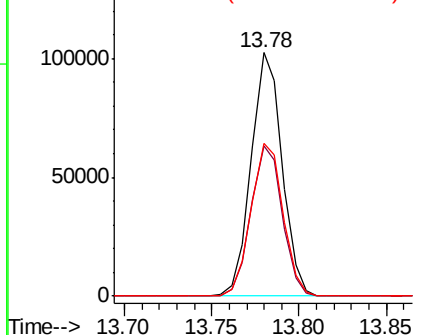


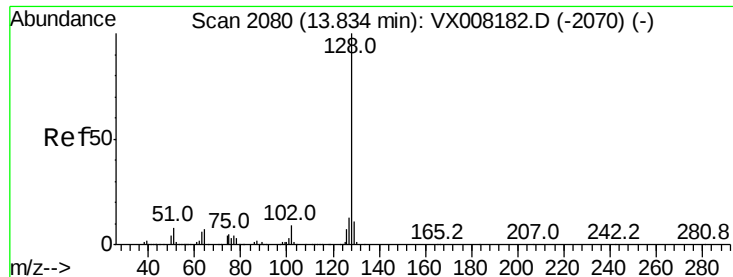
#94
Hexachlorobutadiene
Concen: 49.476 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125892		
223	62.9	31.1	93.2	
227	64.7	32.0	96.0	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





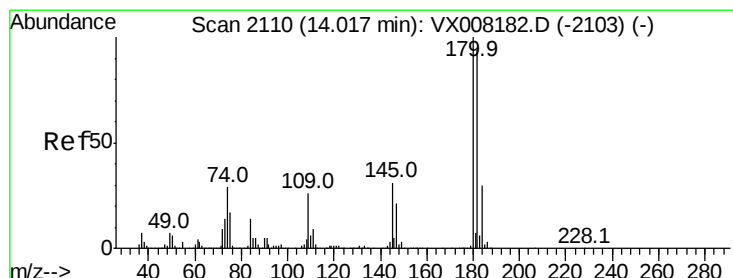
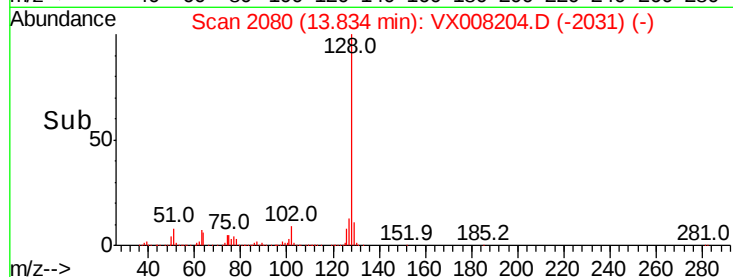
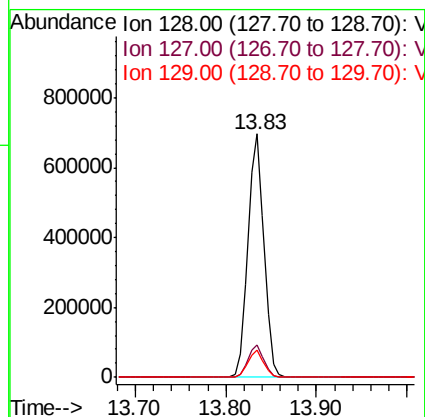
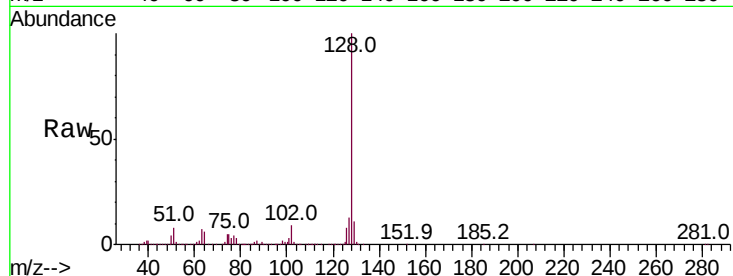
#95
Naphthalene
Concen: 51.623 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	850069		
127	13.2		10.3	15.5
129	10.9		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 49.626 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008204.D
Acq: 19 Mar 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	254763		
182	96.4		47.5	142.5
145	32.4		14.8	44.3

