

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082719\
 Data File : VX011852.D
 Acq On : 27 Aug 2019 16:03
 Operator : JC/SP
 Sample : VX0827MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VX0827MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 11:44:22 AM

Quant Time: Aug 28 03:53:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	373823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	531878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	477488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	196567	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	5.49	113	165061	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	592634	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	225376	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	68938	19.760	ug/l	100
3) Chloromethane	1.32	50	61780	20.192	ug/l	98
4) Vinyl Chloride	1.40	62	59820	19.558	ug/l	100
5) Bromomethane	1.64	94	33966	20.158	ug/l	99
6) Chloroethane	1.72	64	34478	19.280	ug/l	100
7) Trichlorofluoromethane	1.92	101	93074	19.114	ug/l	98
8) Diethyl Ether	2.18	74	31731	19.164	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	56799	18.850	ug/l	98
10) Methyl Iodide	2.50	142	68782	18.688	ug/l	99
11) Tert butyl alcohol	3.03	59	98396	132.599	ug/l	97
12) 1,1-Dichloroethene	2.37	96	55975	19.051	ug/l	94
13) Acrolein	2.28	56	31176	108.685	ug/l	97
14) Allyl chloride	2.72	41	110006	23.954	ug/l	98
15) Acrylonitrile	3.13	53	183484	108.104	ug/l	99
16) Acetone	2.43	43	158883	97.261	ug/l	100
17) Carbon Disulfide	2.56	76	155259	20.899	ug/l	100
18) Methyl Acetate	2.76	43	106775	24.088	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	202070	21.440	ug/l	99
20) Methylene Chloride	2.85	84	62619	18.750	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	59634	18.817	ug/l	93
22) Diisopropyl ether	3.85	45	206233	23.159	ug/l	97
23) Vinyl Acetate	3.81	43	874452	118.600	ug/l	98
24) 1,1-Dichloroethane	3.69	63	109810	20.885	ug/l	98
25) 2-Butanone	4.66	43	264726	112.901	ug/l	96
26) 2,2-Dichloropropane	4.57	77	92461	20.708	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	69283	19.063	ug/l	94
28) Bromochloromethane	5.01	49	61400	25.726	ug/l	88
29) Tetrahydrofuran	5.12	42	172882	115.021	ug/l	96
30) Chloroform	5.21	83	113727	19.937	ug/l	98
31) Cyclohexane	5.57	56	103752	22.469	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	105419	21.260	ug/l	98
36) 1,1-Dichloropropene	5.79	75	81316	19.496	ug/l	100
37) Ethyl Acetate	4.82	43	100896	22.859	ug/l	98
38) Carbon Tetrachloride	5.78	117	96435	20.402	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100477	19.440	ug/l	97
40) Benzene	6.13	78	243017	18.835	ug/l	99
41) Methacrylonitrile	5.04	41	55599	21.659	ug/l	96
42) 1,2-Dichloroethane	6.19	62	91312	19.360	ug/l	100
43) Isopropyl Acetate	6.44	43	168769	23.624	ug/l	98
44) Trichloroethene	7.21	130	70819	17.806	ug/l	97
45) 1,2-Dichloropropane	7.51	63	64611	19.923	ug/l	98
46) Dibromomethane	7.66	93	43564	18.220	ug/l	99
47) Bromodichloromethane	7.89	83	91678	21.300	ug/l	96
48) Methyl methacrylate	7.76	41	81464	22.914	ug/l	94
49) 1,4-Dioxane	7.73	88	33408	339.148	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	514338	109.264	ug/l	98
52) Toluene	8.78	92	155626	18.639	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	101703	22.509	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	108327	21.977	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	63760	18.329	ug/l	96
56) Ethyl methacrylate	9.17	69	107885	21.808	ug/l	91
57) 1,3-Dichloropropane	9.37	76	107068	19.062	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	293339	112.720	ug/l	99
59) 2-Hexanone	9.49	43	395567	109.485	ug/l	97
60) Dibromochloromethane	9.58	129	79913	21.248	ug/l	99
61) 1,2-Dibromoethane	9.67	107	69438	18.604	ug/l	100
64) Tetrachloroethene	9.33	164	72371	18.998	ug/l	98
65) Chlorobenzene	10.13	112	170054	18.242	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	71040	20.339	ug/l	100
67) Ethyl Benzene	10.25	91	300746	19.305	ug/l	99
68) m/p-Xylenes	10.35	106	230144	38.314	ug/l	99
69) o-Xylene	10.69	106	112688	19.108	ug/l	99
70) Styrene	10.71	104	194597	19.724	ug/l	98
71) Bromoform	10.85	173	68743	22.815	ug/l #	99
73) Isopropylbenzene	11.01	105	301819	19.903	ug/l	100
74) N-amyl acetate	10.89	43	146728	24.993	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	99765	19.876	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	92923m	21.045	ug/l	
77) Bromobenzene	11.25	156	83986	18.787	ug/l	95
78) n-propylbenzene	11.35	91	330945	20.410	ug/l	98
79) 2-Chlorotoluene	11.41	91	199650	19.791	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	257044	20.316	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	36832	25.157	ug/l	98
82) 4-Chlorotoluene	11.51	91	231820	19.936	ug/l	97
83) tert-Butylbenzene	11.77	119	260321	20.854	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	257474	20.152	ug/l	99
85) sec-Butylbenzene	11.94	105	293206	20.534	ug/l	99
86) p-Isopropyltoluene	12.06	119	275571	20.058	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	144815	18.811	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	142451	18.289	ug/l	96
89) n-Butylbenzene	12.38	91	231324	20.339	ug/l	98
90) Hexachloroethane	12.59	117	55603	26.051	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	143472	18.477	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	26802	22.972	ug/l	95

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ClientSampleId :
VX0827MBS01

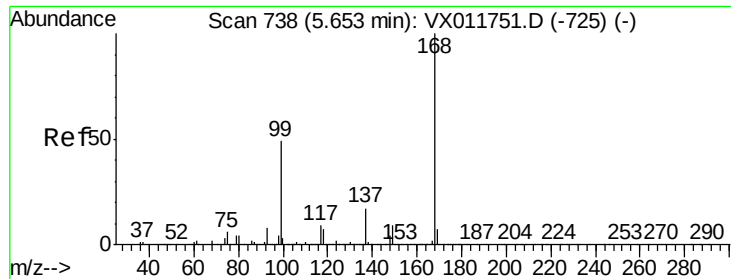
Manual Integrations
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QLast Update : Fri Aug 23 01:48:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	108406	18.980	ug/l	99
94) Hexachlorobutadiene	13.78	225	61300	19.586	ug/l	98
95) Naphthalene	13.83	128	327859	20.842	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112286	19.579	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

VX0827MBS01

Tot Ion:168 Resp: 373823

Ion Ratio Lower Upper

168 100

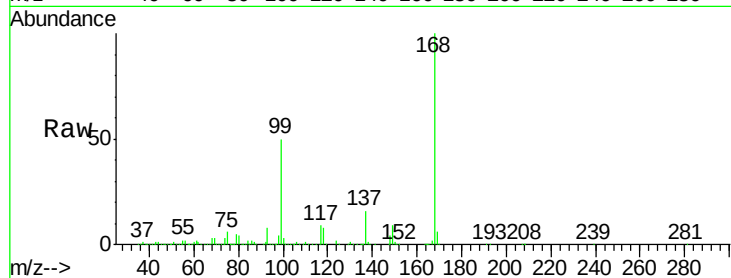
99 49.4 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

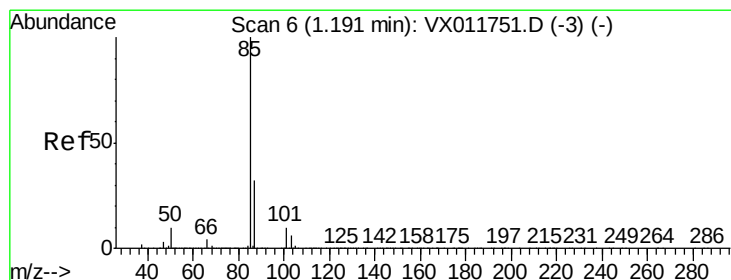
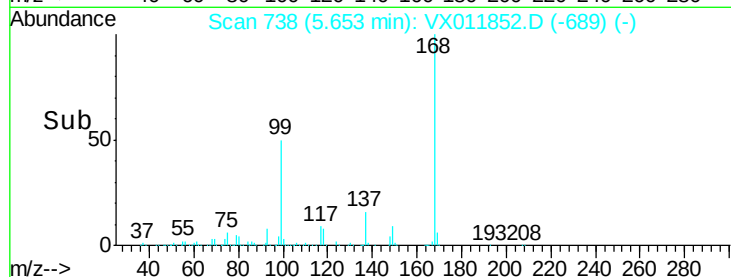
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.760 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011852.D

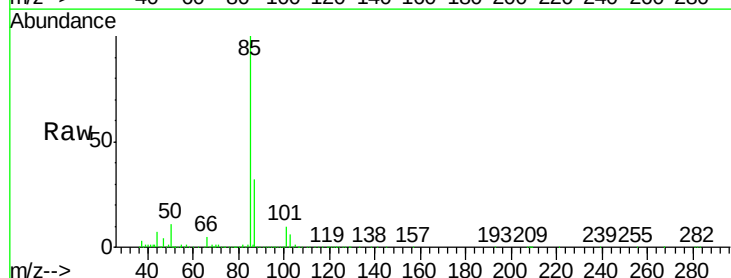
Acq: 27 Aug 2019 16:03

Tgt Ion: 85 Resp: 68938

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

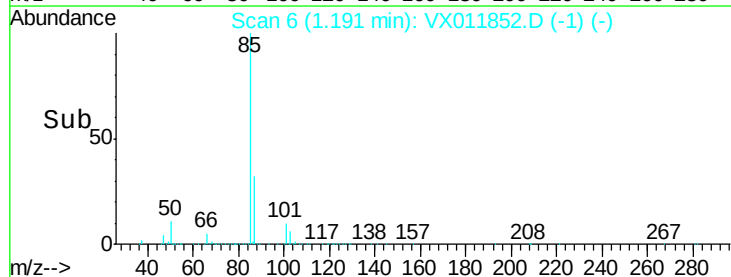
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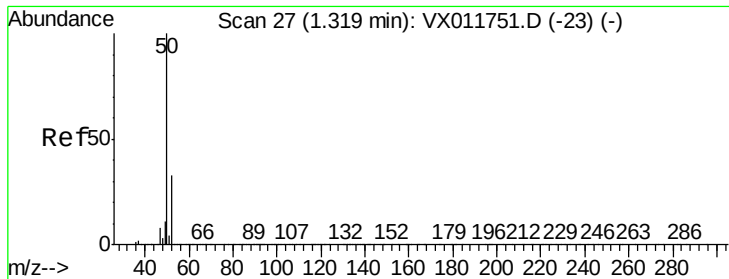
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.192 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tot Ion: 50 Resp: 61780

Ion Ratio Lower Upper

50 100

52 32.1 26.6 39.8

Instrument :

MSVOA_X

ClientSampleId :

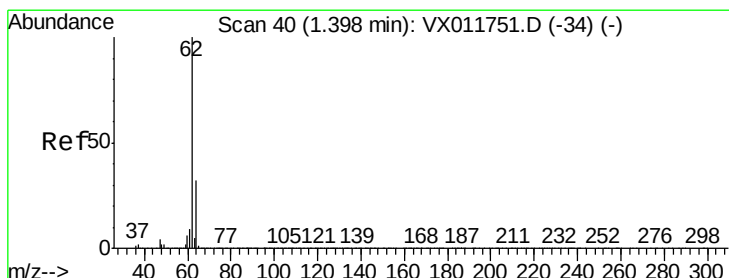
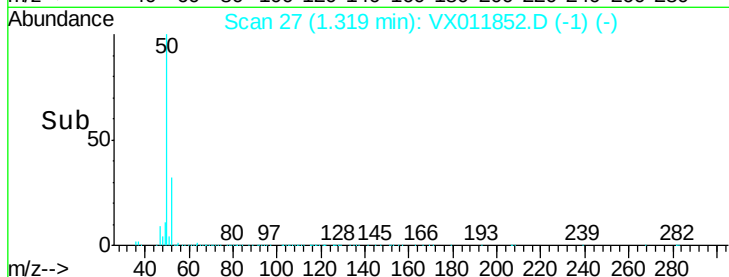
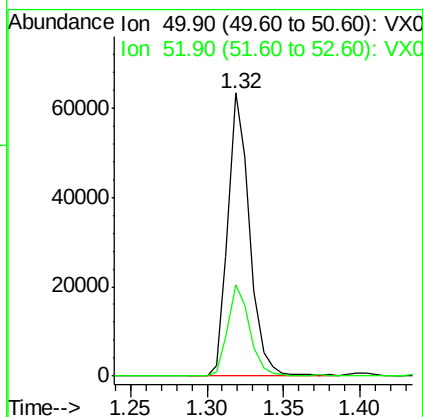
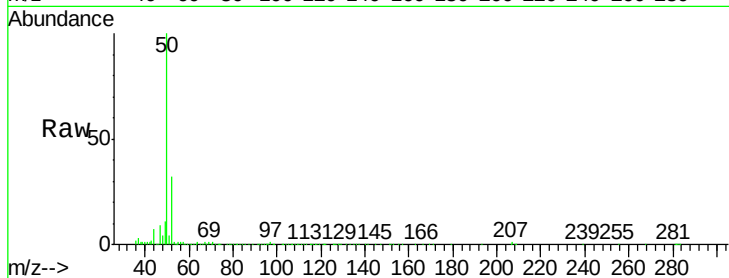
VX0827MBS01

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#4

Vinyl Chloride

Concen: 19.558 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011852.D

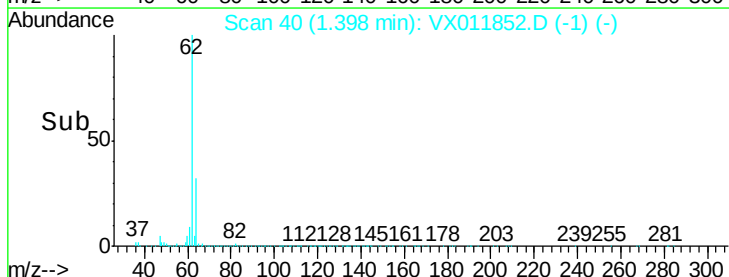
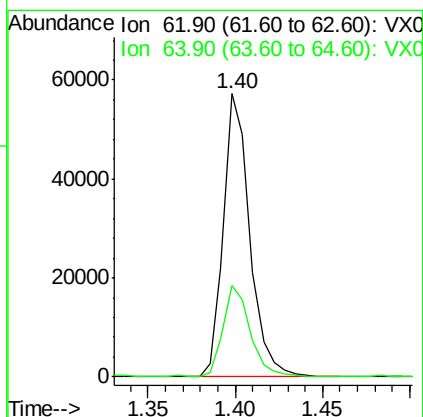
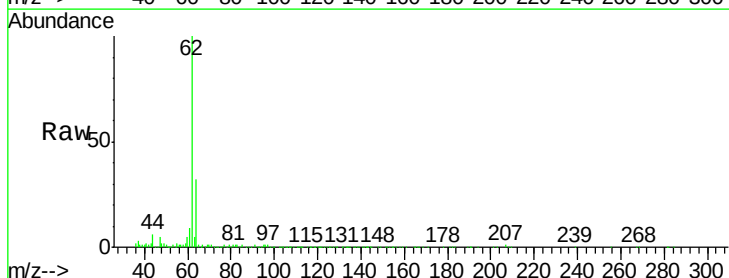
Acq: 27 Aug 2019 16:03

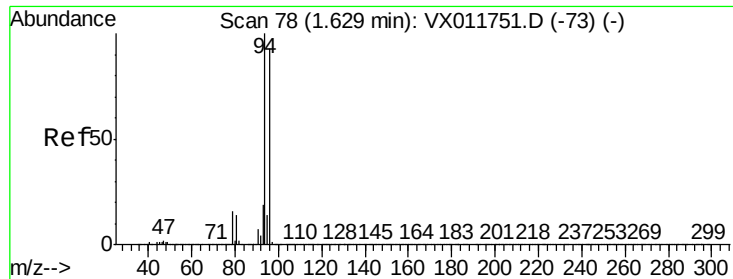
Tgt Ion: 62 Resp: 59820

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 20.158 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 94 Resp: 33966

Ion Ratio Lower Upper

94 100

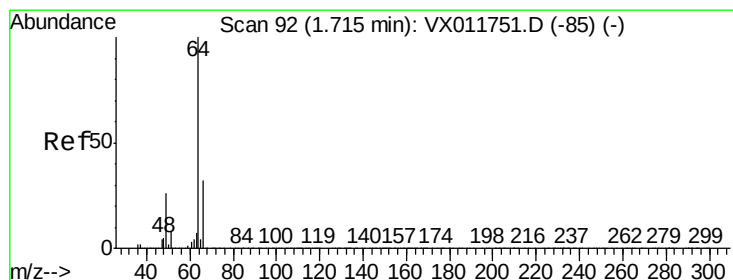
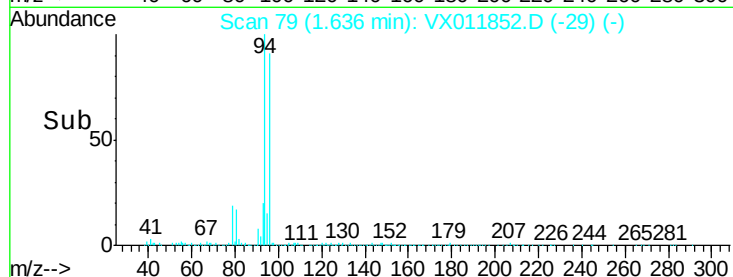
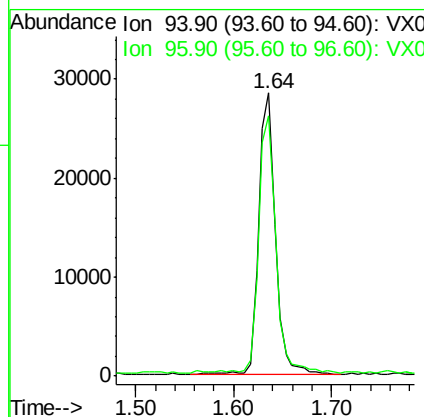
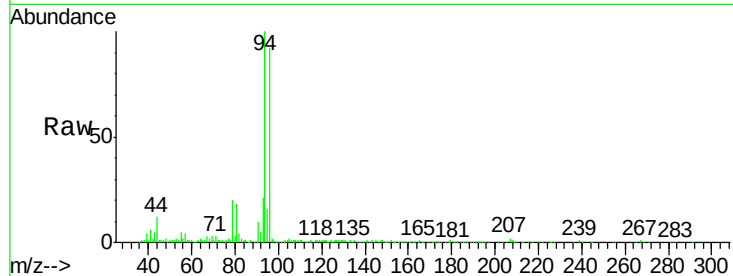
96 91.4 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 19.280 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011852.D

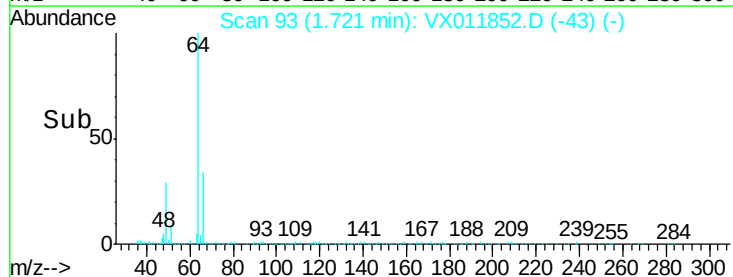
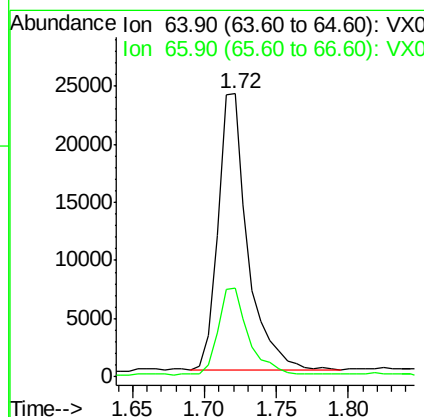
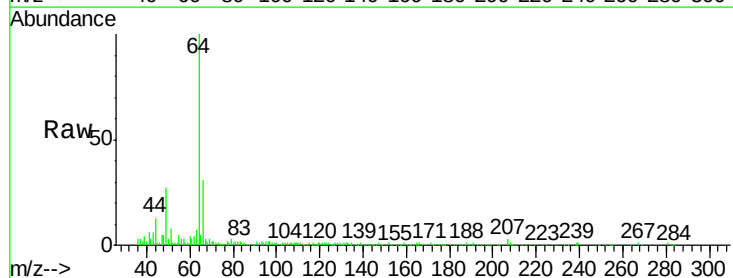
Acq: 27 Aug 2019 16:03

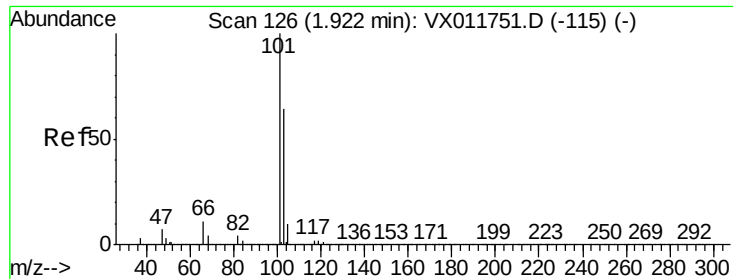
Tgt Ion: 64 Resp: 34478

Ion Ratio Lower Upper

64 100

66 31.2 24.9 37.3





#7

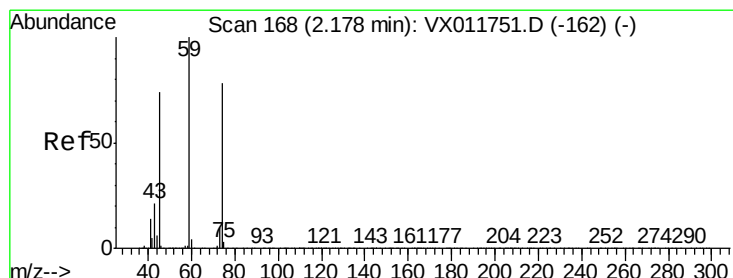
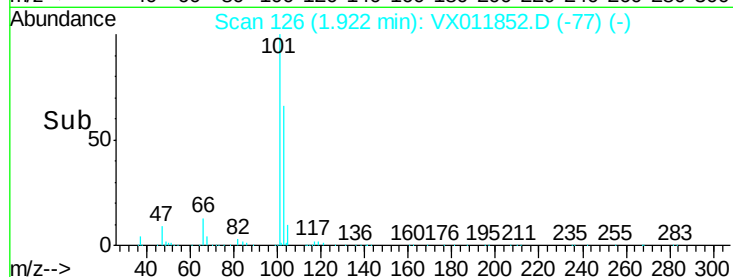
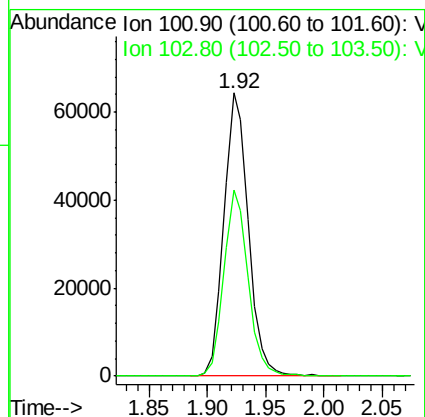
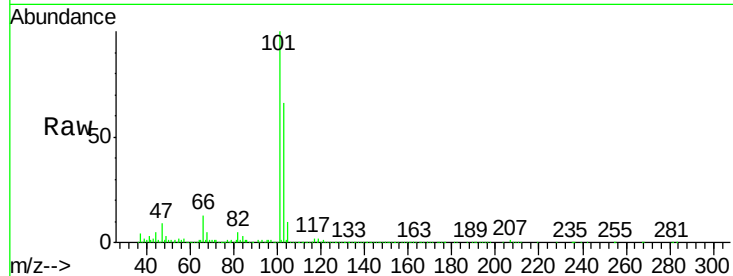
Trichlorofluoromethane
Concen: 19.114 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.2	76.8

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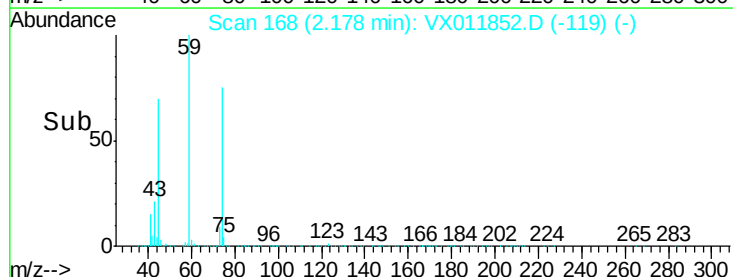
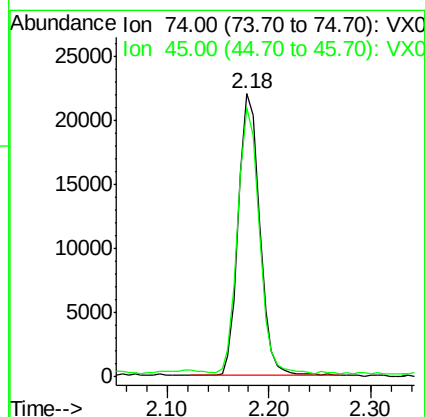
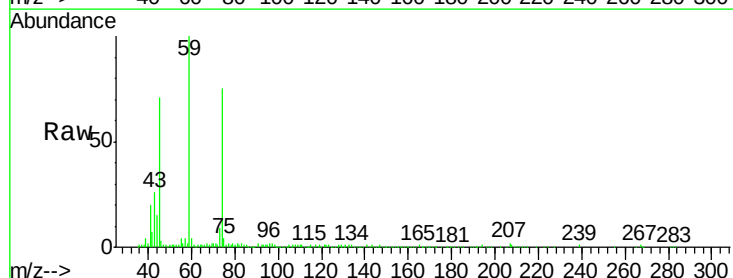
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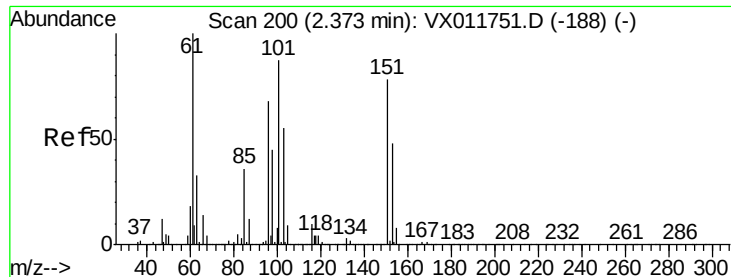


#8

Diethyl Ether
Concen: 19.164 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.850 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

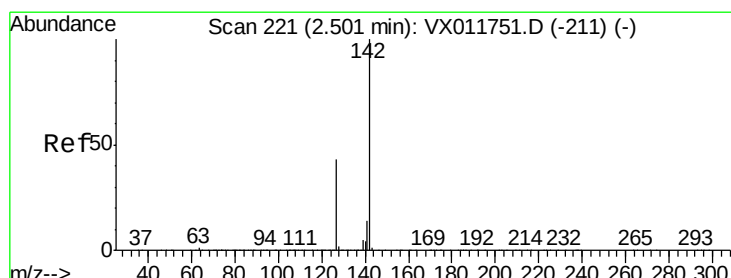
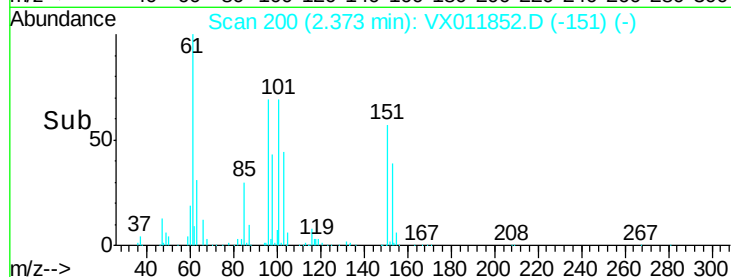
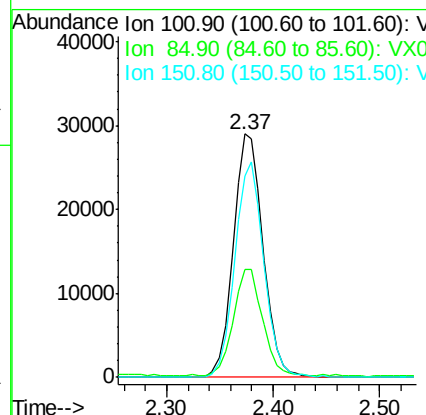
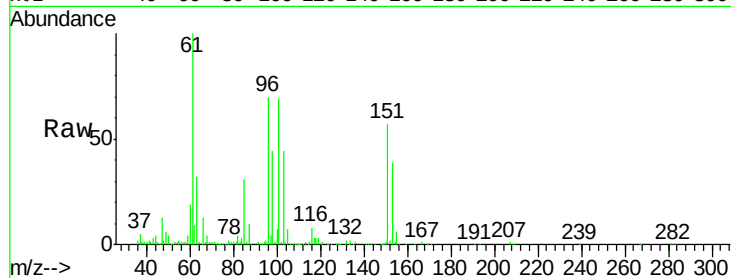
ClientSampleId :

VX0827MBS01

Tot Ion:	101	Resp:	56799
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.7	50.5
151	86.6	71.4	107.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.688 ug/l

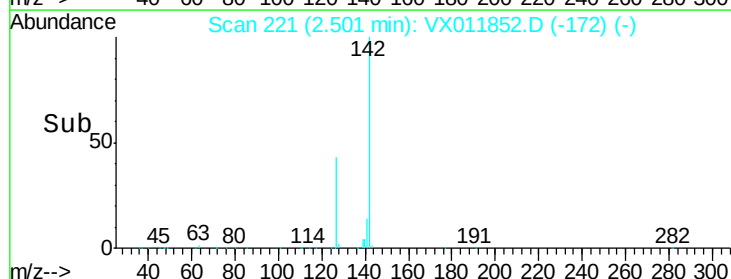
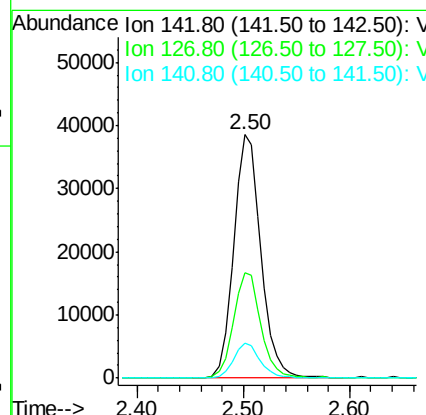
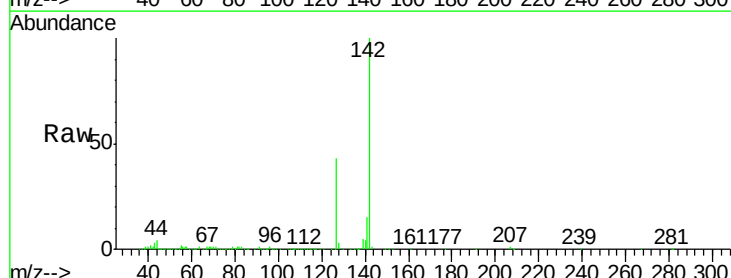
RT: 2.50 min Scan# 221

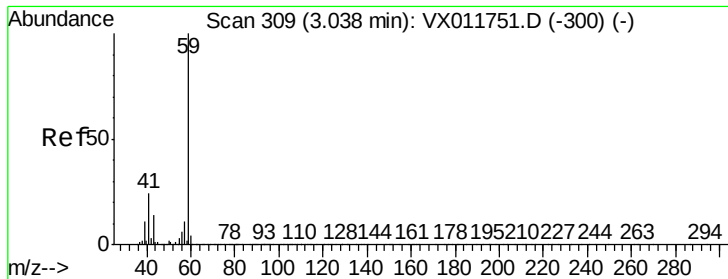
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	142	Resp:	68782
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.5	50.3
141	14.5	11.4	17.2





#11

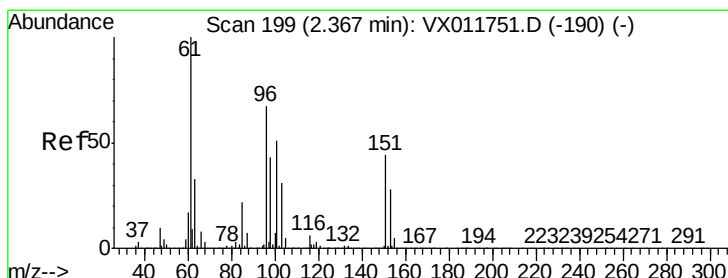
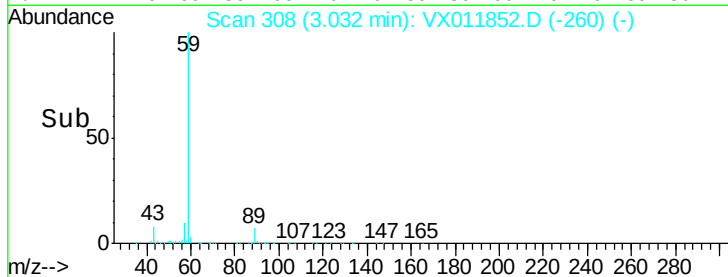
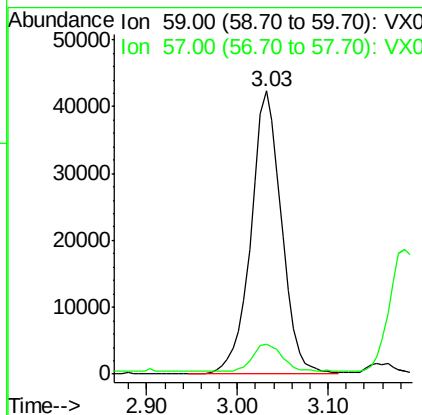
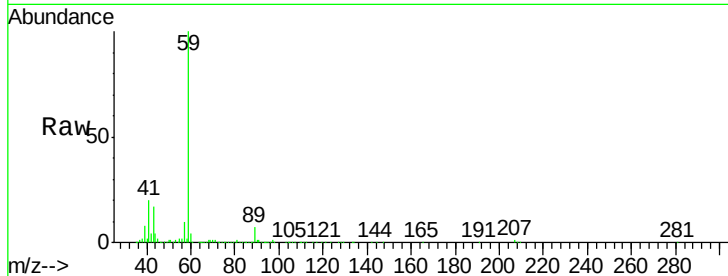
Tert butyl alcohol
Concen: 132.599 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Resp Lower	Upper
59	100		
57	9.4	8.4	12.6

Manual Integrations
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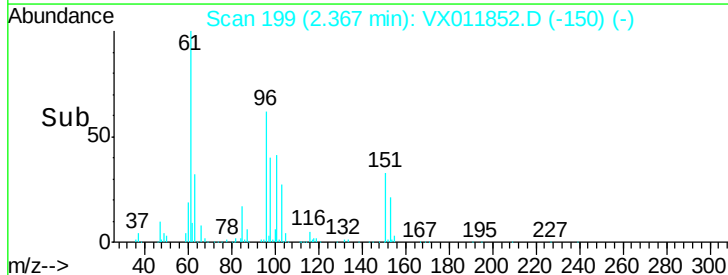
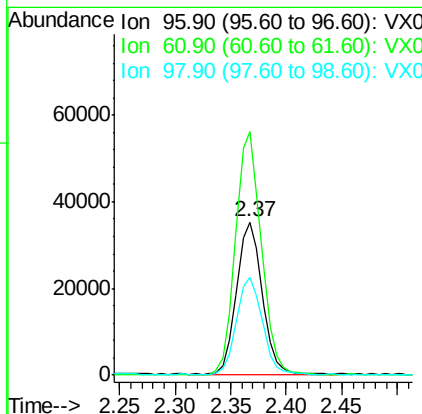
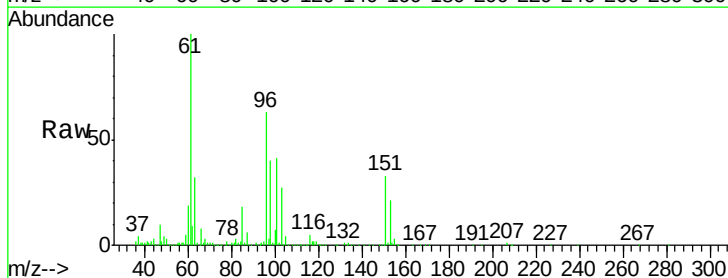
MMDadoda
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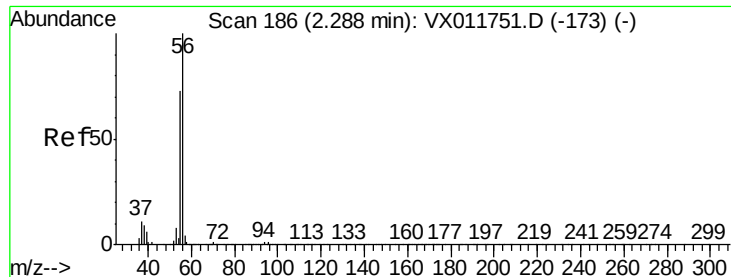


#12

1,1-Dichloroethene
Concen: 19.051 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	159.5	119.4	179.2
98	63.3	51.2	76.8





#13

Acrolein

Concen: 108.685 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 56 Resp: 31176

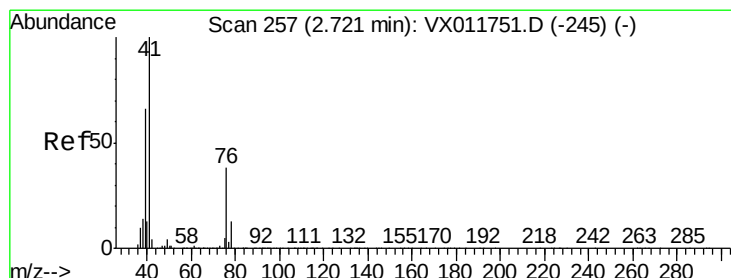
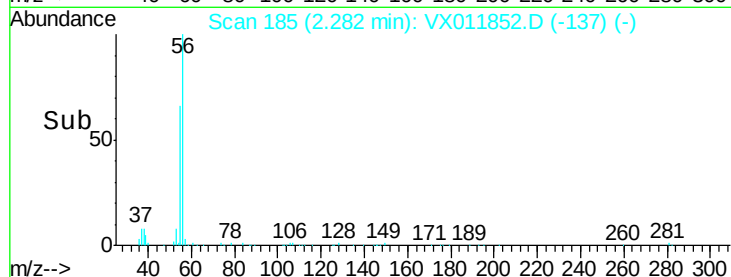
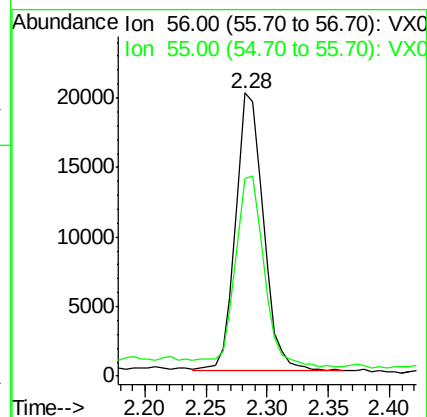
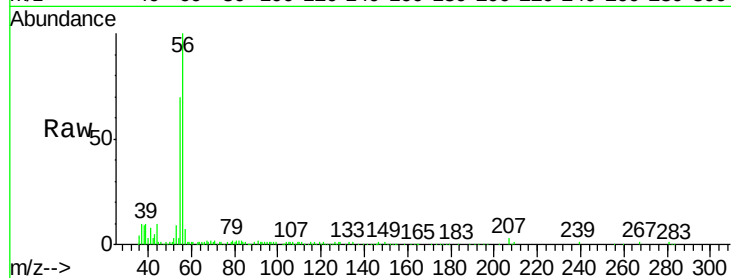
Ion Ratio Lower Upper

56 100

55 71.0 54.8 82.2

Manual Integrations
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#14

Allyl chloride

Concen: 23.954 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

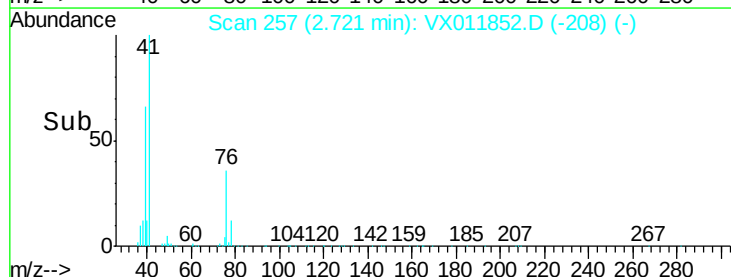
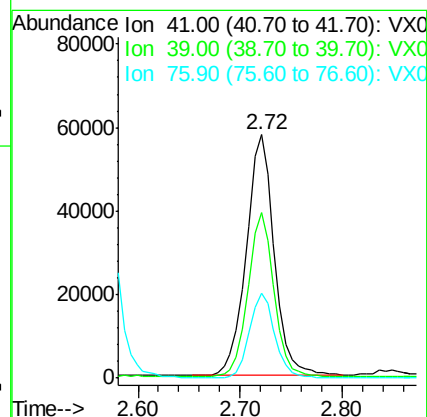
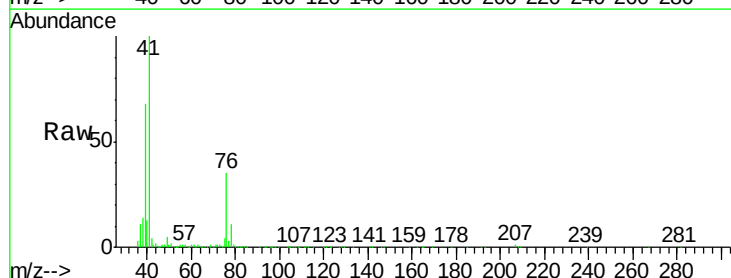
Tgt Ion: 41 Resp: 110006

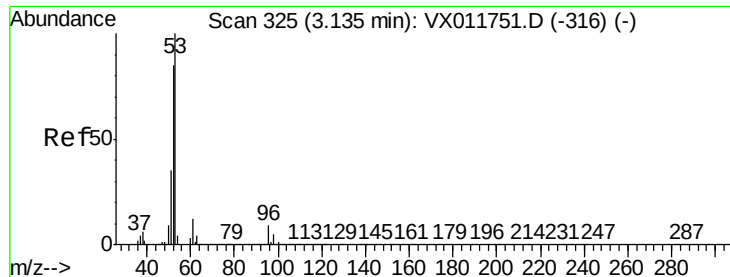
Ion Ratio Lower Upper

41 100

39 63.2 49.3 73.9

76 32.1 26.8 40.2





#15

Acrylonitrile

Concen: 108.104 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

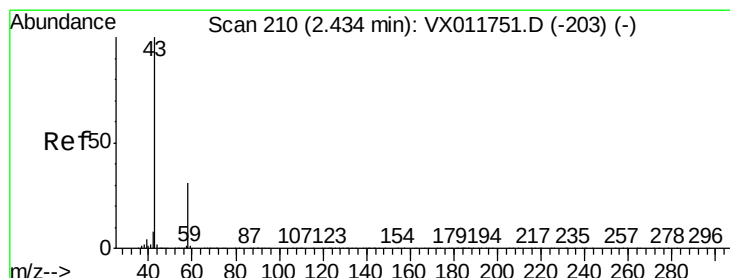
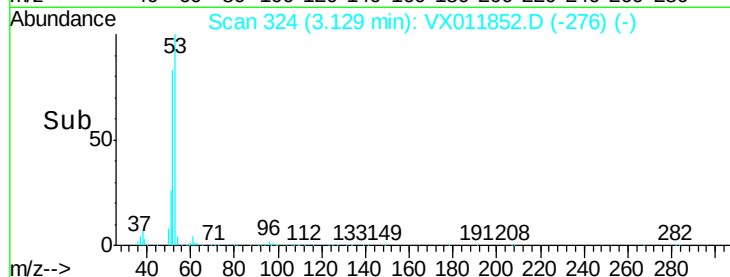
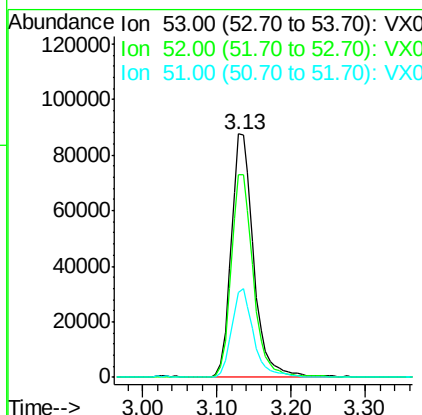
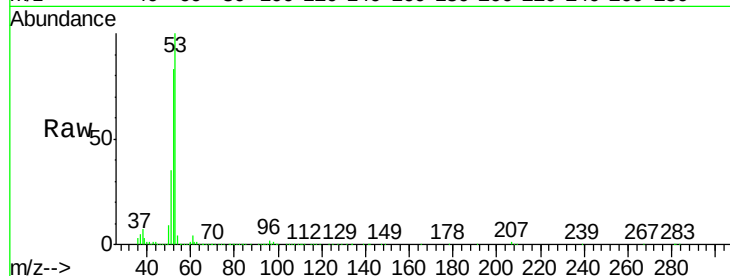
ClientSampleId :

VX0827MBS01

Tot Ion:	53	Resp:	183484
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.7	98.5
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 97.261 ug/l

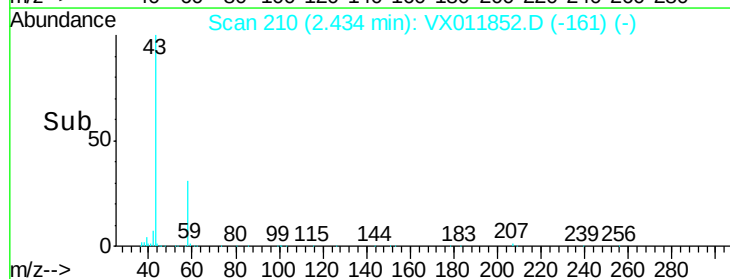
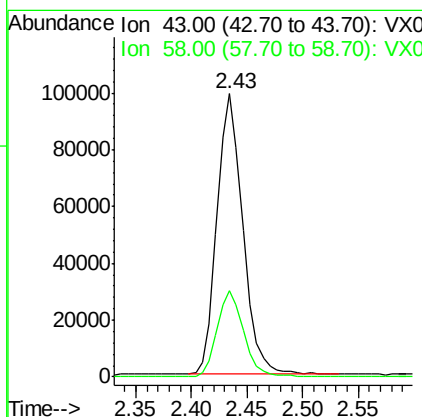
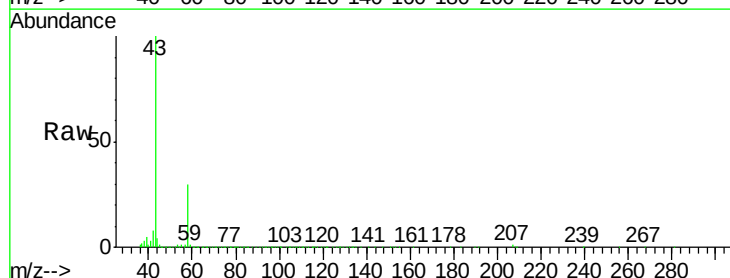
RT: 2.43 min Scan# 210

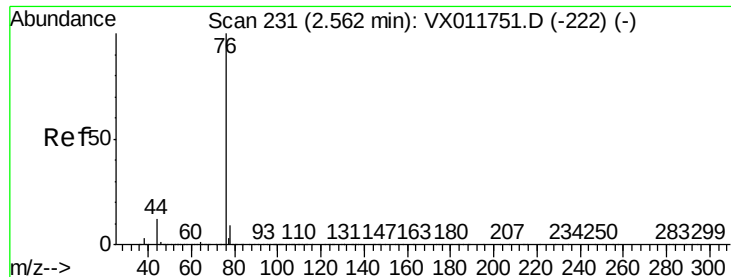
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	43	Resp:	158883
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.4	36.6





#17

Carbon Disulfide

Concen: 20.899 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 76 Resp: 155259

Ion Ratio Lower Upper

76 100

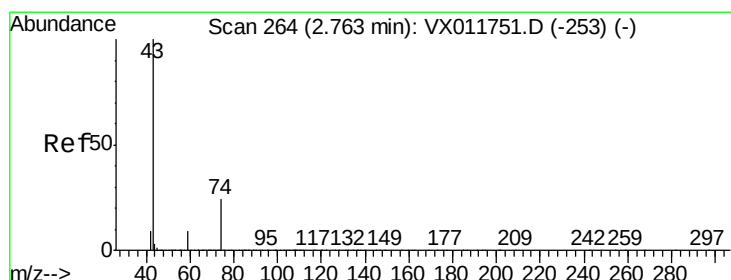
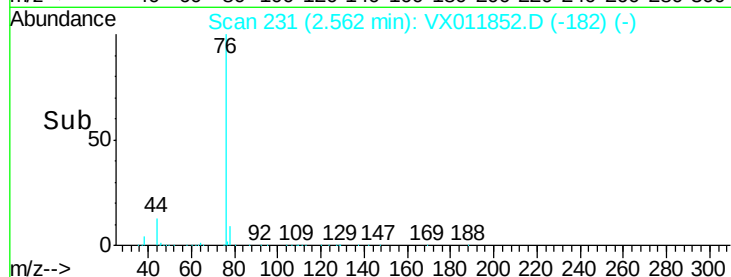
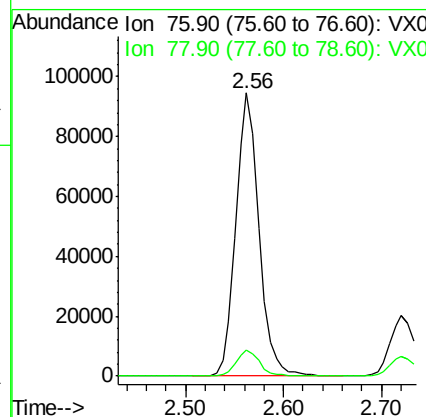
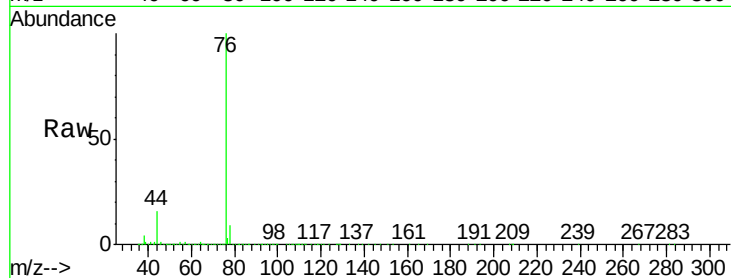
78 9.0 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 24.088 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011852.D

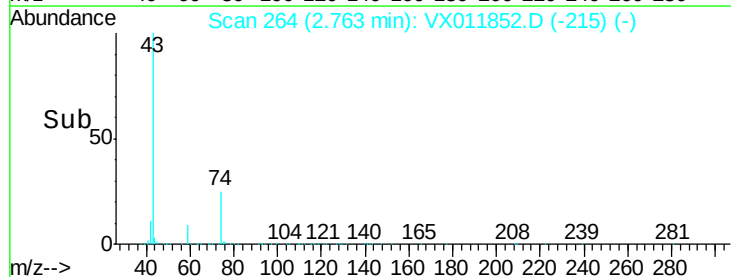
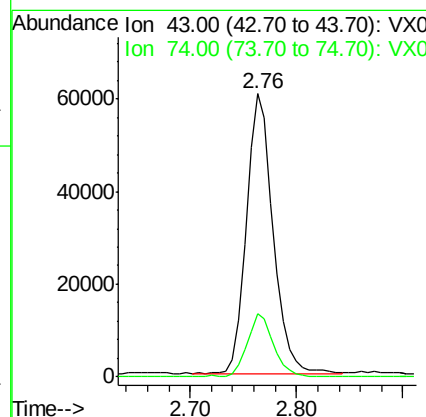
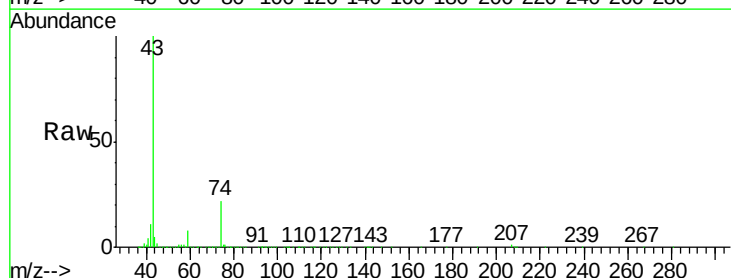
Acq: 27 Aug 2019 16:03

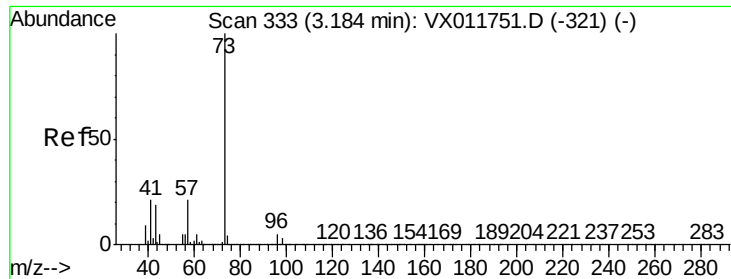
Tgt Ion: 43 Resp: 106775

Ion Ratio Lower Upper

43 100

74 21.9 19.5 29.3





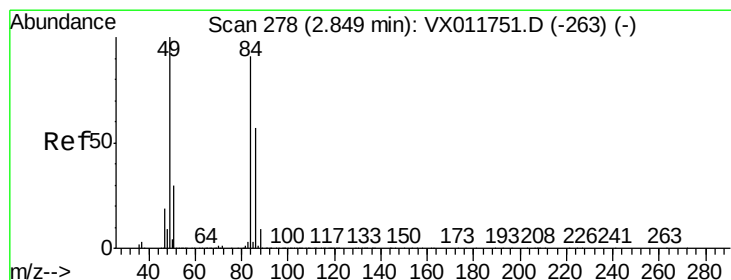
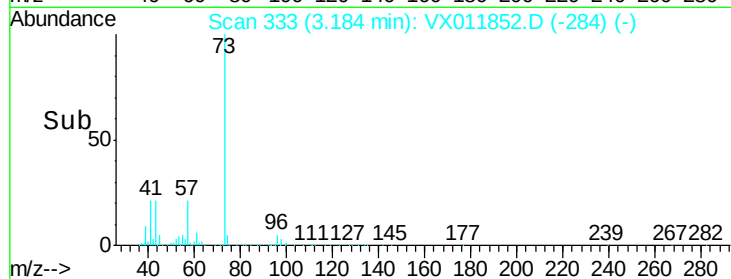
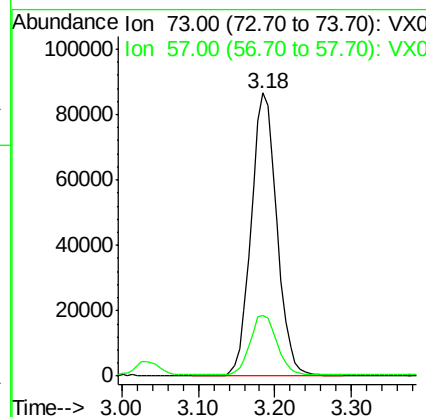
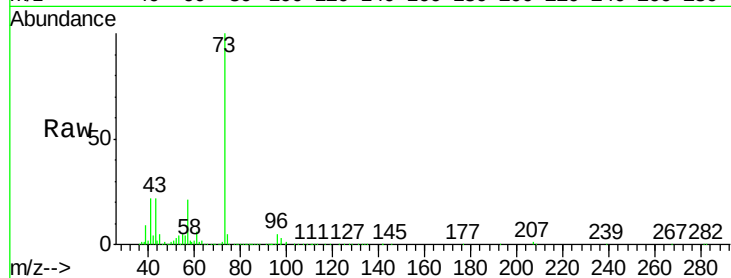
#19
Methyl tert-butyl Ether
Concen: 21.440 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.4	24.6

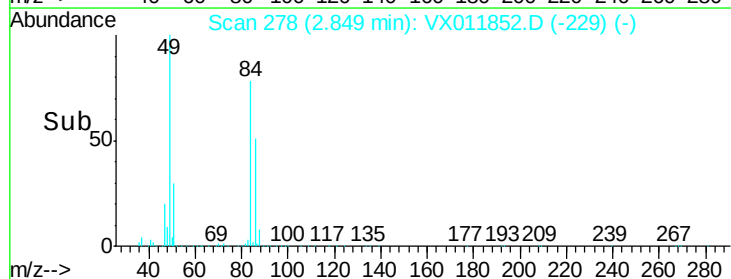
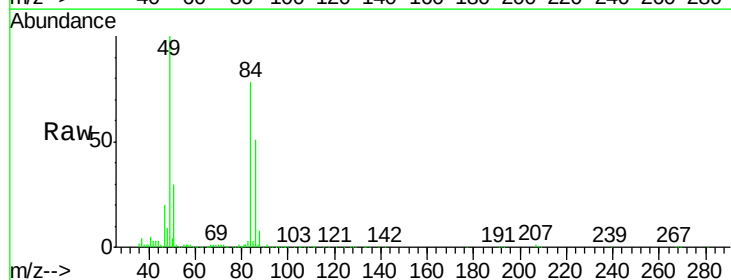
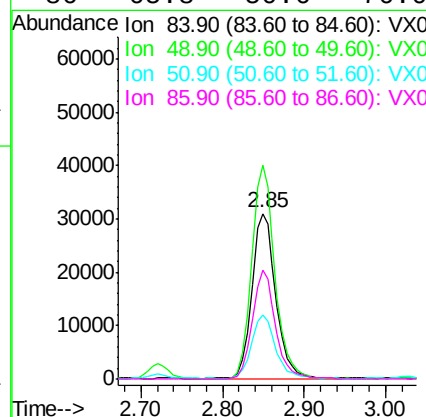
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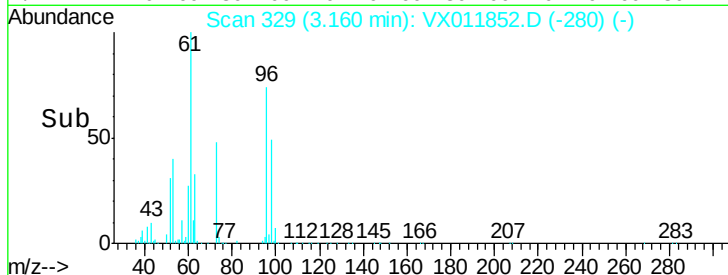
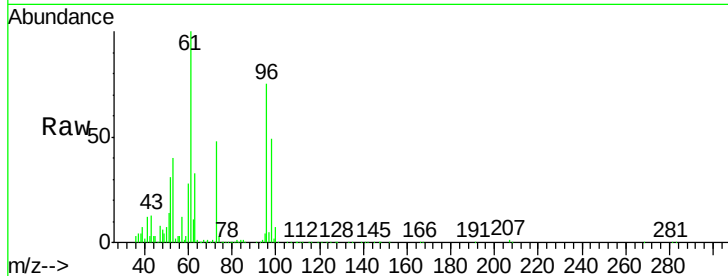
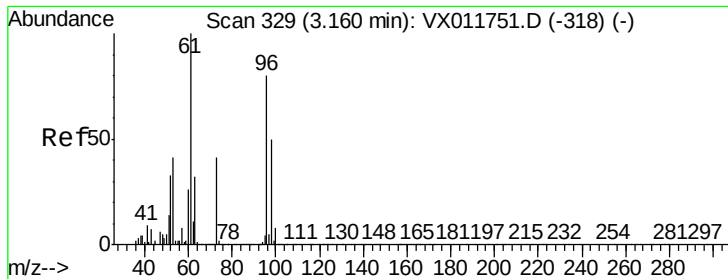
MMDadoda
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#20
Methylene Chloride
Concen: 18.750 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.0	88.3	132.5
51	38.8	26.2	39.2
86	65.8	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 18.817 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011852.D

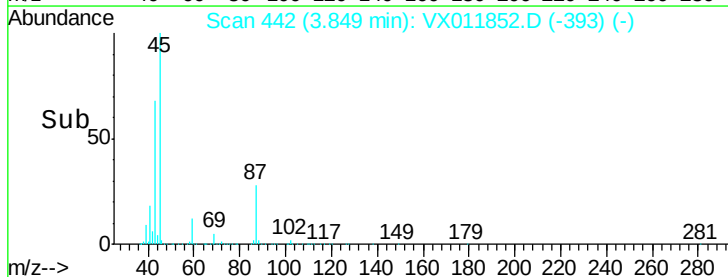
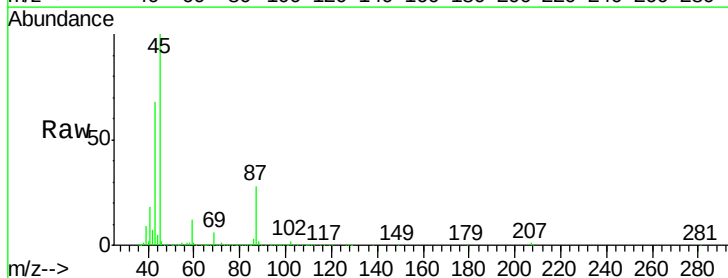
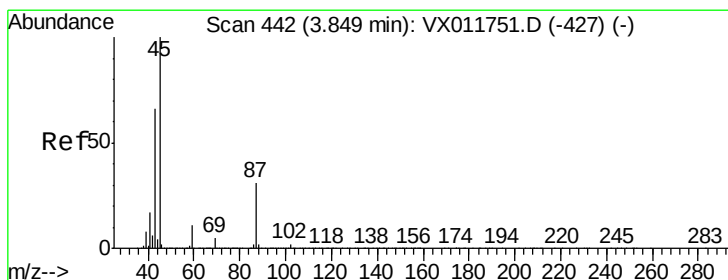
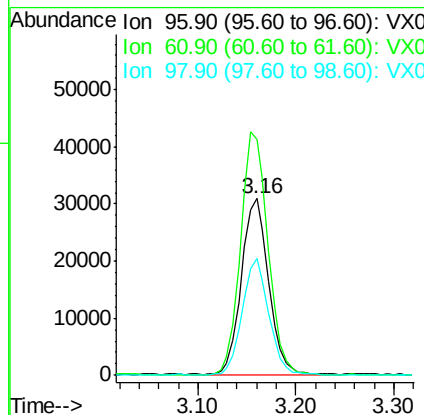
Acq: 27 Aug 2019 16:03

Tot Ion:	96	Resp:	59634
Ion	Ratio	Lower	Upper
96	100		
61	134.2	99.8	149.8
98	65.9	50.3	75.5

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

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#22

Diisopropyl ether

Concen: 23.159 ug/l

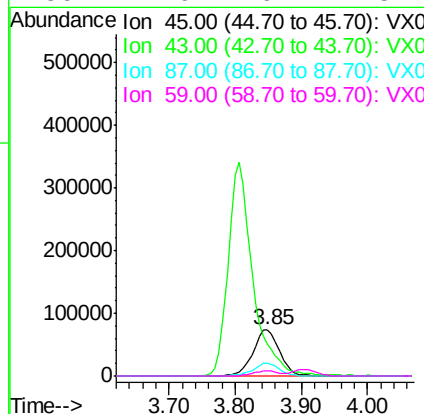
RT: 3.85 min Scan# 442

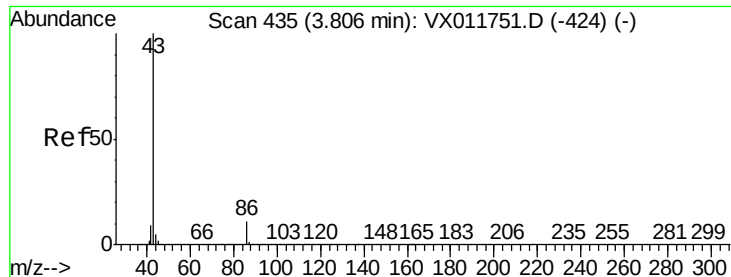
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	45	Resp:	206233
Ion	Ratio	Lower	Upper
45	100		
43	67.5	53.0	79.6
87	27.7	24.7	37.1
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 118.600 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 43 Resp: 874452

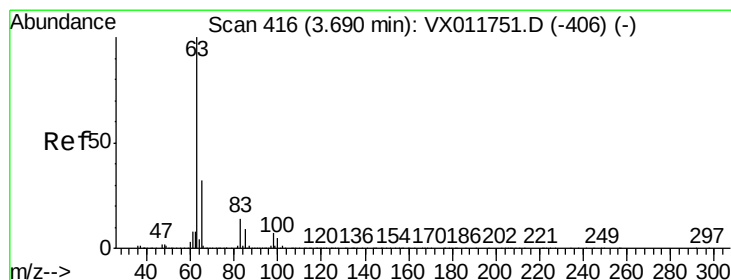
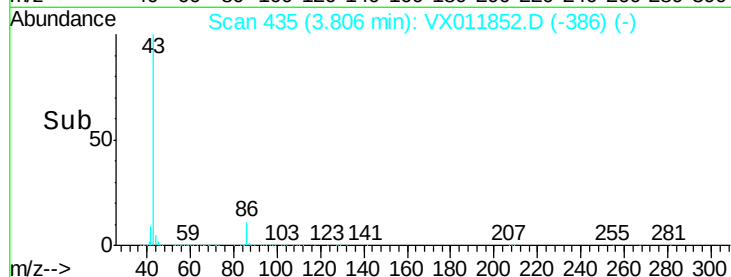
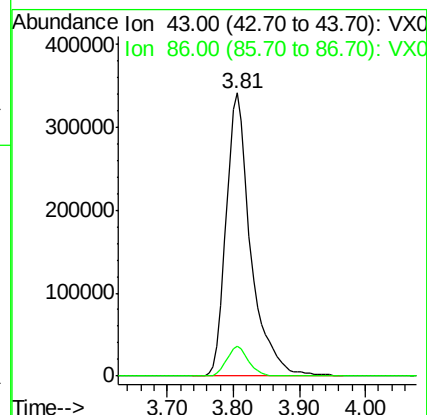
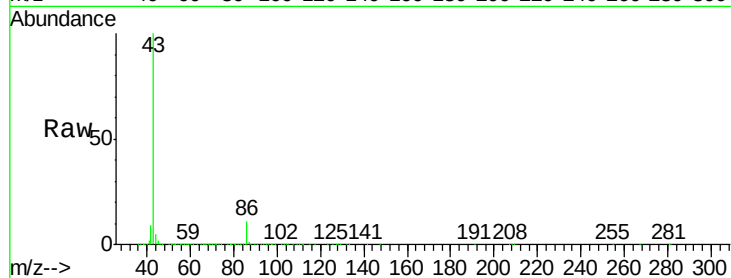
Ion Ratio Lower Upper

43 100

86 10.6 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 20.885 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

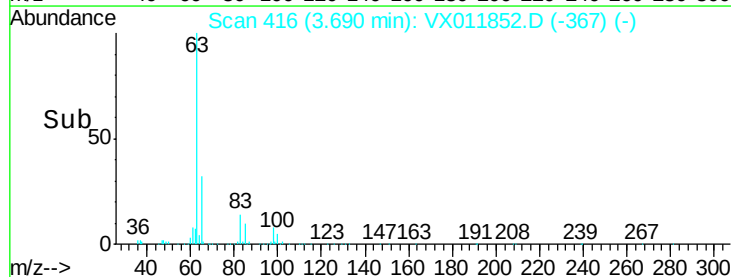
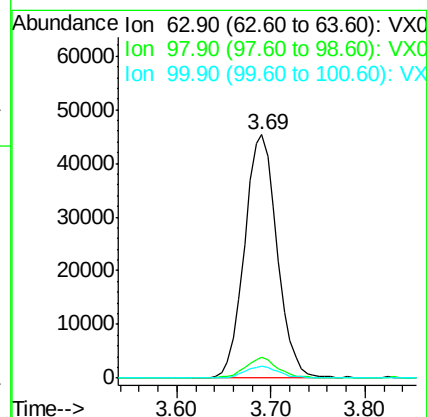
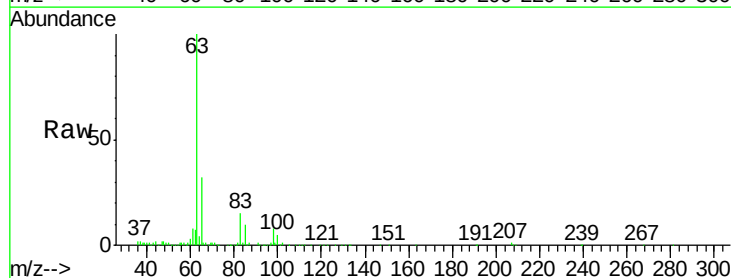
Tgt Ion: 63 Resp: 109810

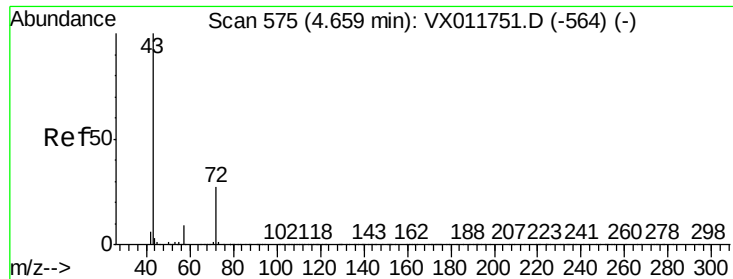
Ion Ratio Lower Upper

63 100

98 8.1 3.7 11.1

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 112.901 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampled :

VX0827MBS01

Tot Ion: 43 Resp: 264726

Ion Ratio Lower Upper

43 100

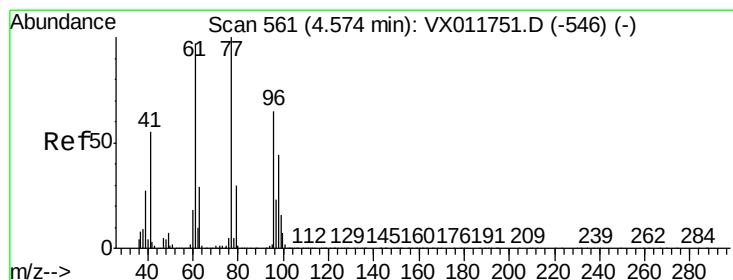
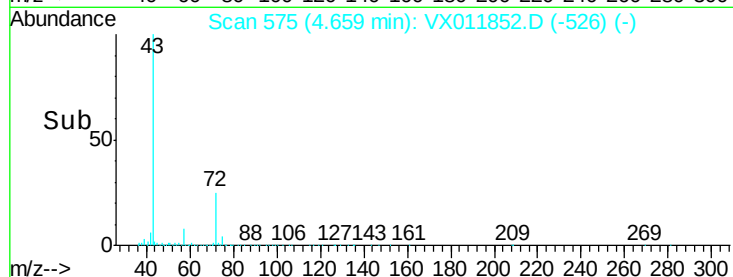
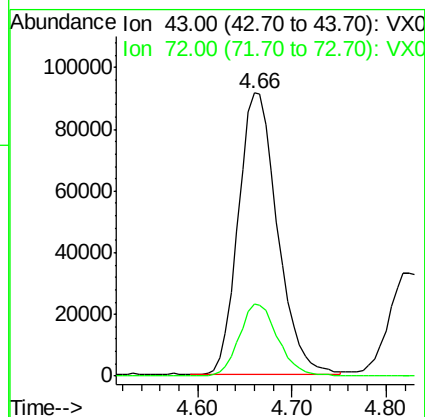
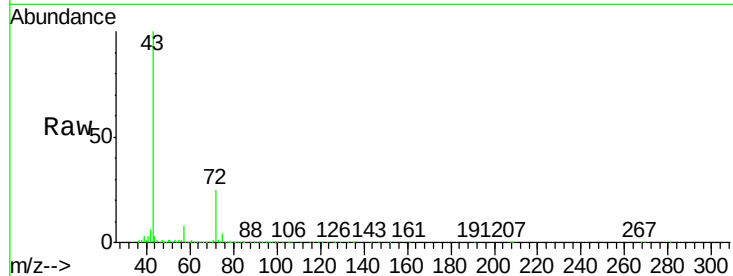
72 25.2 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.708 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011852.D

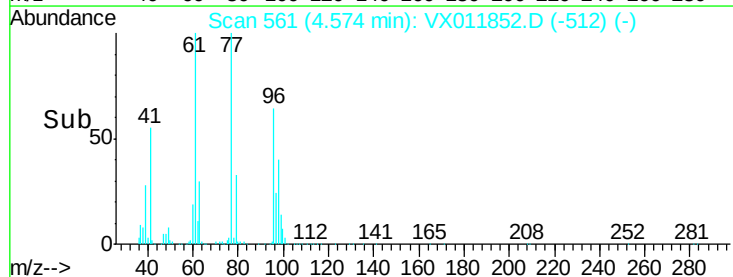
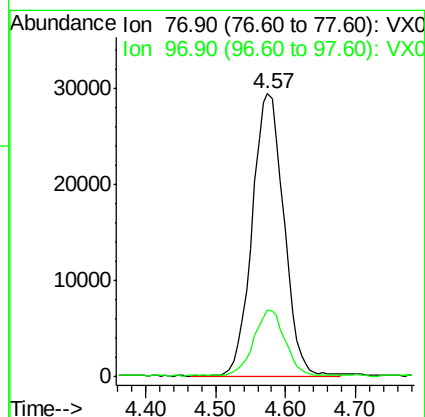
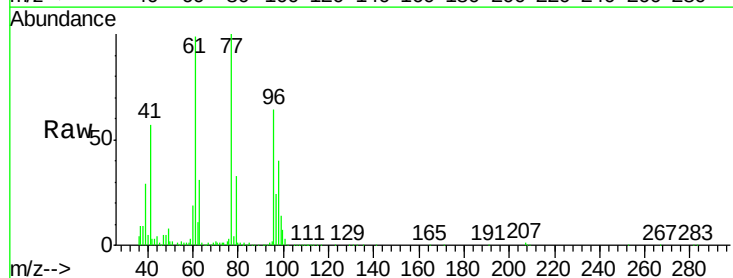
Acq: 27 Aug 2019 16:03

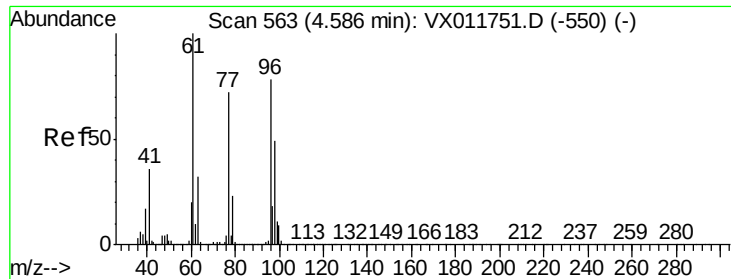
Tgt Ion: 77 Resp: 92461

Ion Ratio Lower Upper

77 100

97 22.8 12.2 36.6





#27

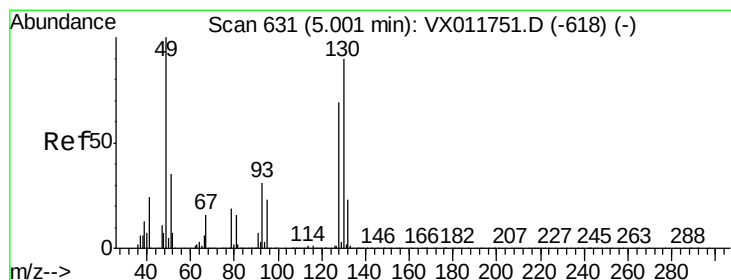
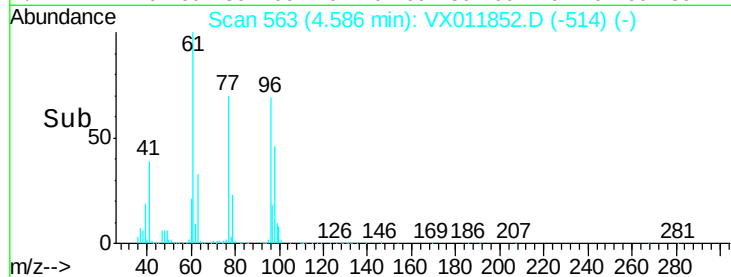
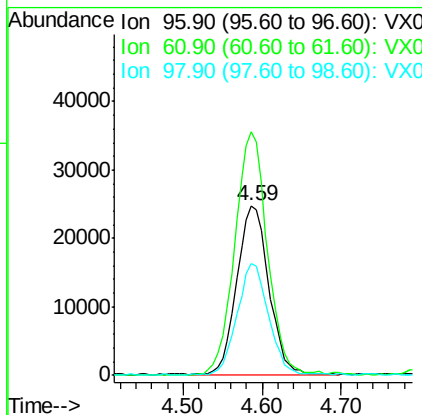
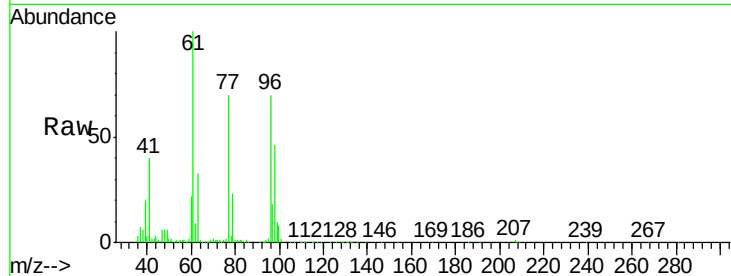
cis-1,2-Dichloroethene
Concen: 19.063 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69283		
61	148.0		0.0	275.8
98	64.1		0.0	128.2

Manual Integrations
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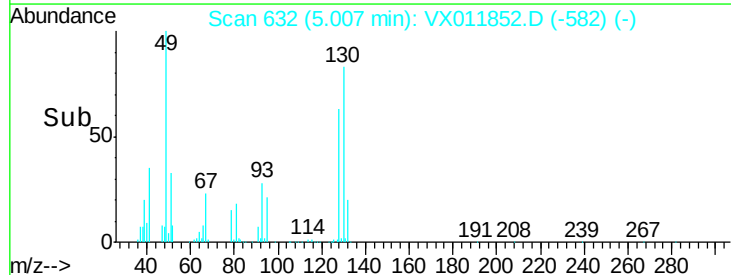
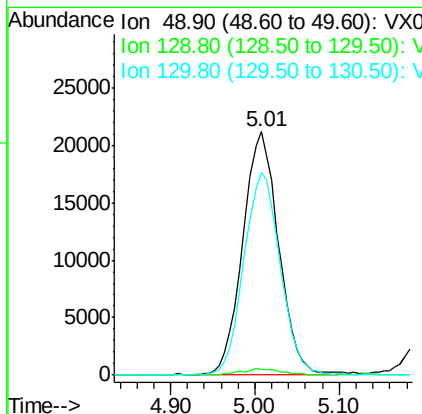
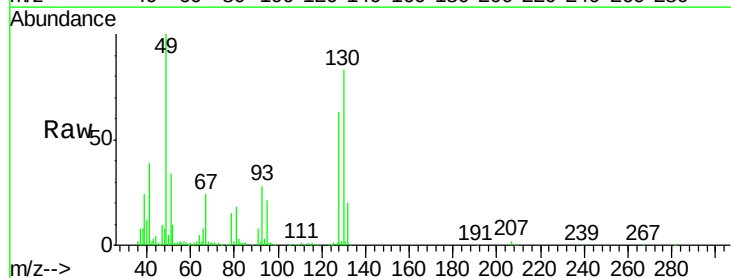
MMDadoda
8/28/2019 11:44:22 AM

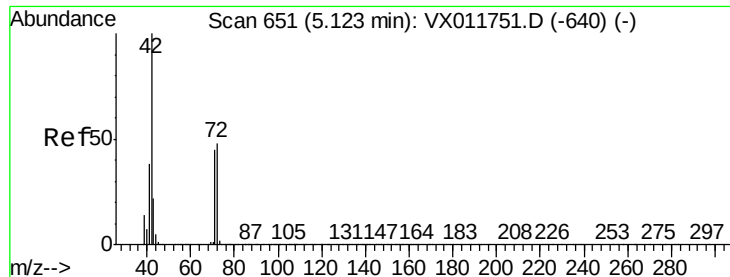


#28

Bromochloromethane
Concen: 25.726 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	61400		
129	2.8		0.0	5.8
130	84.1		76.8	115.2





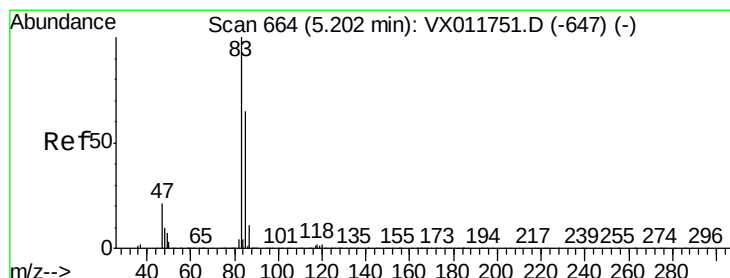
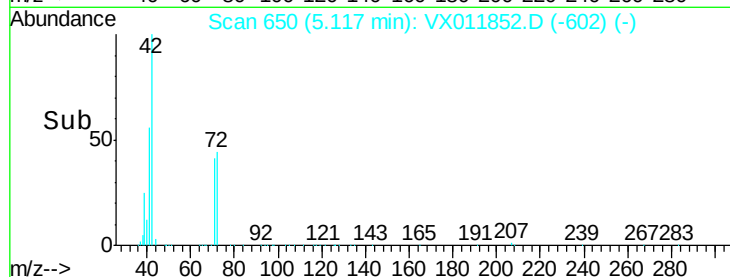
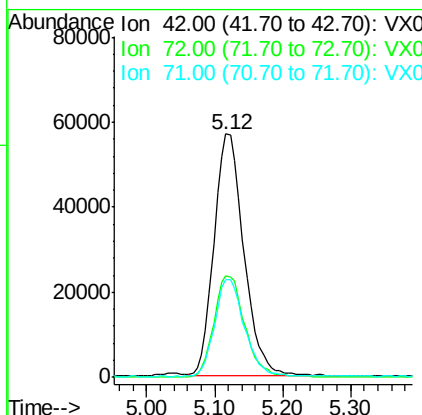
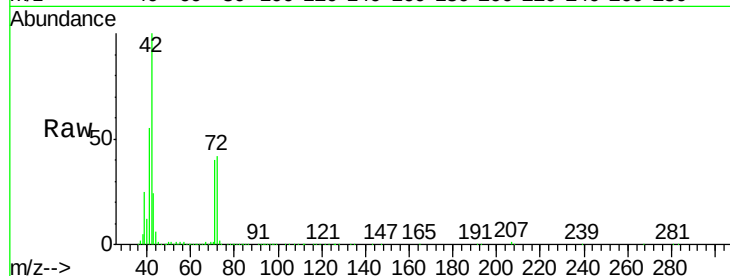
#29
Tetrahydrofuran
Concen: 115.021 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	37.6	56.4
71	40.5	34.6	51.8

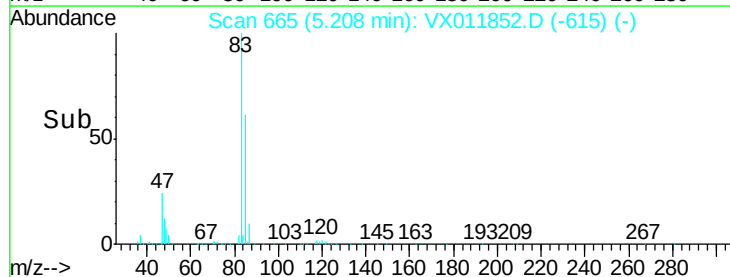
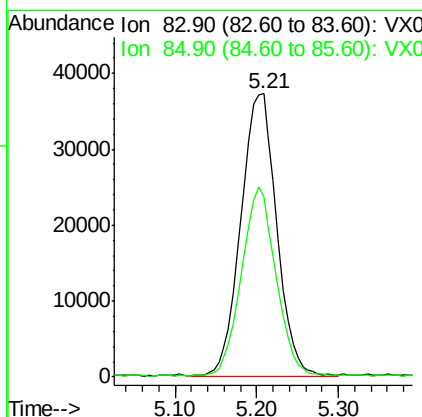
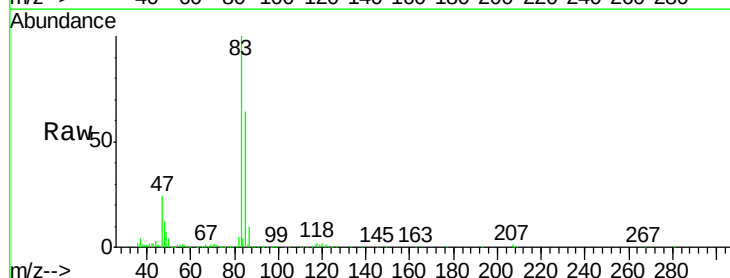
Manual Integrations
APPROVED

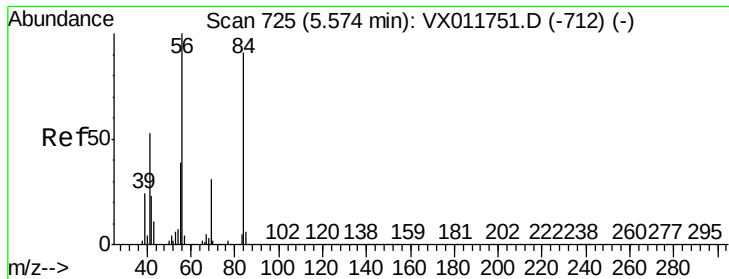
MMDadoda
8/28/2019 11:44:22 AM



#30
Chloroform
Concen: 19.937 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8





#31

Cyclohexane

Concen: 22.469 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

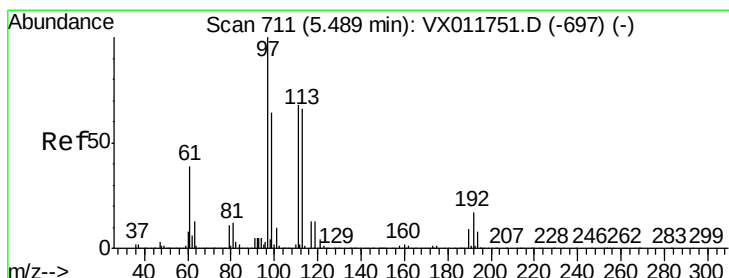
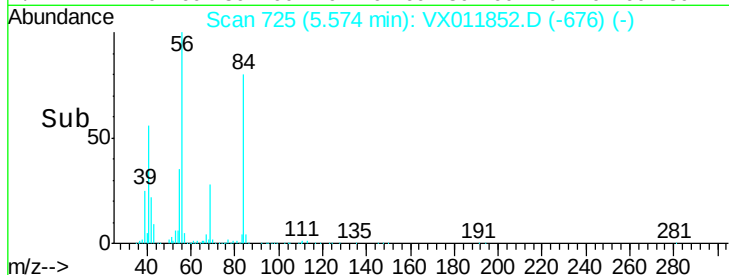
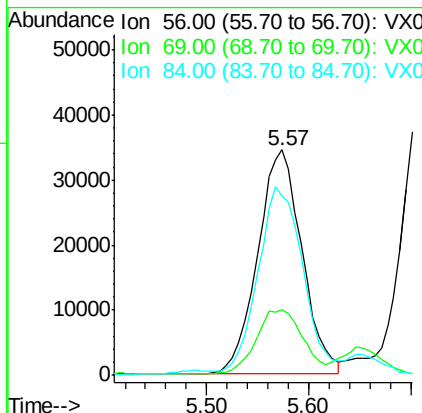
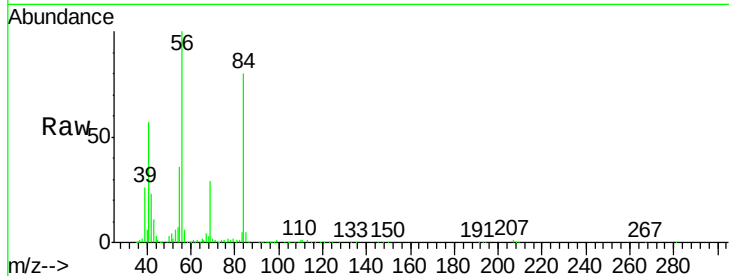
ClientSampleId :

VX0827MBS01

Tot Ion	56	Resp	103752
Ion Ratio	Lower	Upper	
56	100		
69	28.3	24.5	36.7
84	78.2	72.7	109.1

Manual Integrations
APPROVED

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8/28/2019 11:44:22 AM



#32

1,1,1-Trichloroethane

Concen: 21.260 ug/l

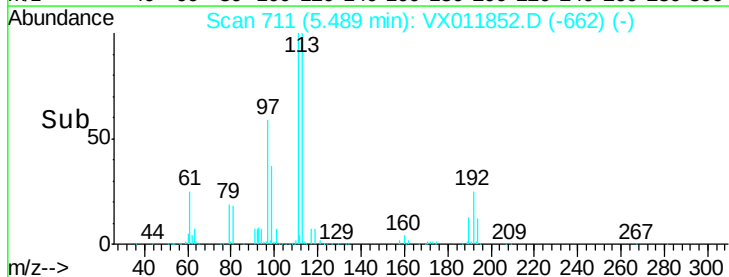
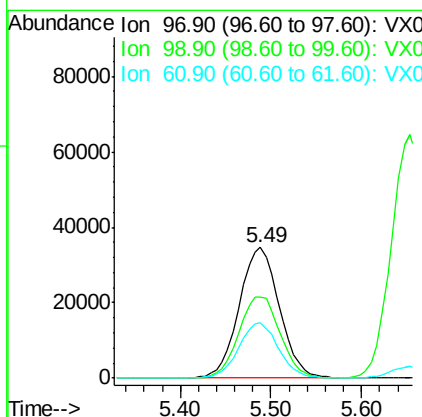
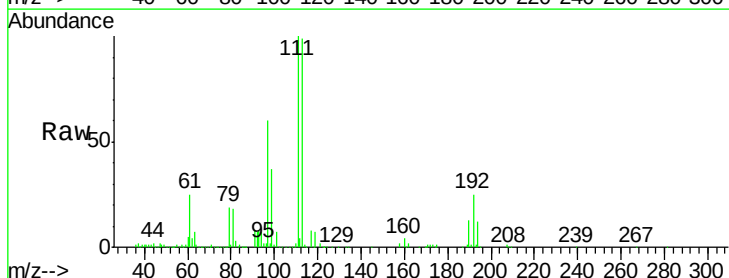
RT: 5.49 min Scan# 711

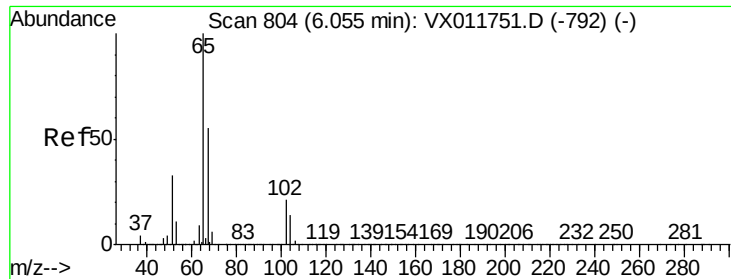
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion	97	Resp	105419
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.4	77.0
61	42.3	31.6	47.4





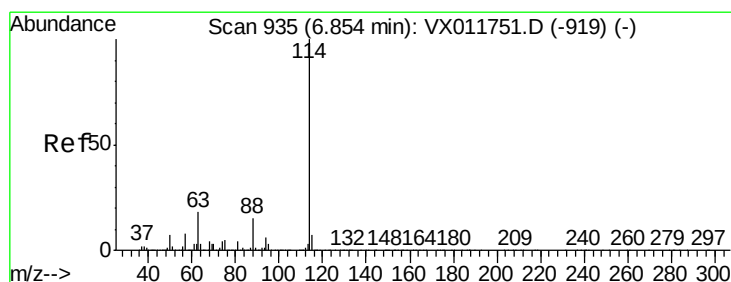
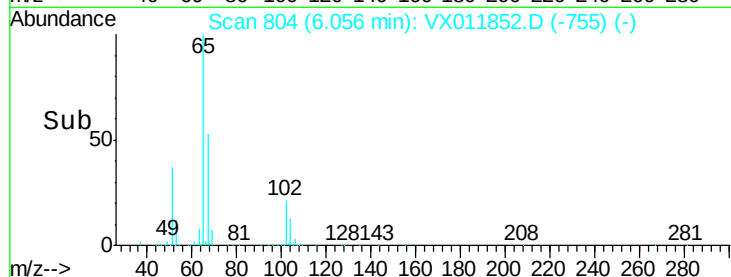
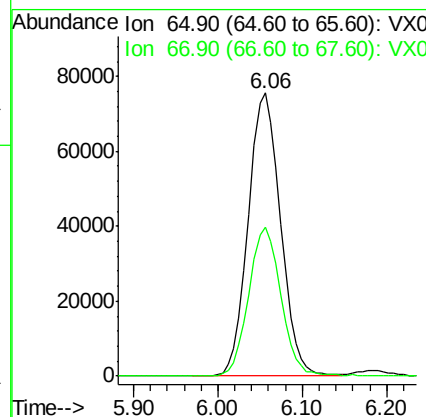
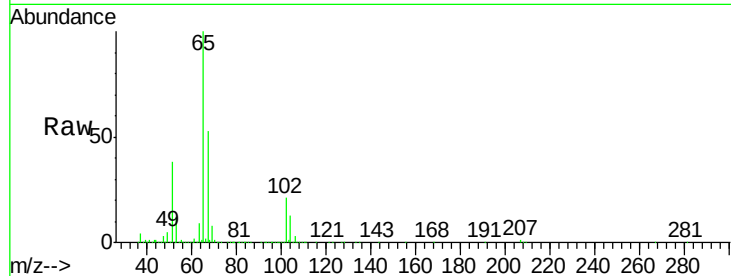
#33
 1,2-Dichloroethane-d4
 Concen: 52.344 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196567		
67	51.9	0.0	107.8	

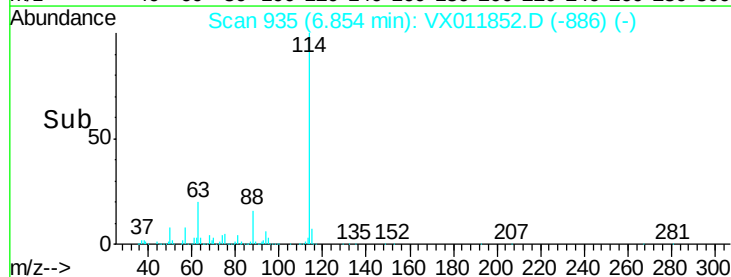
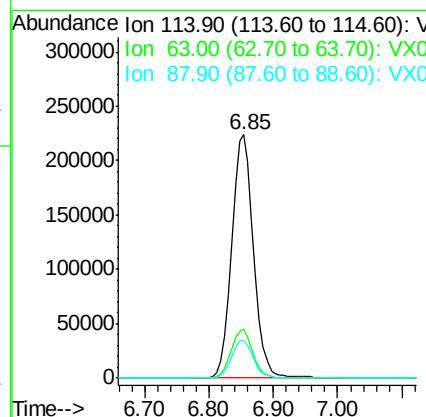
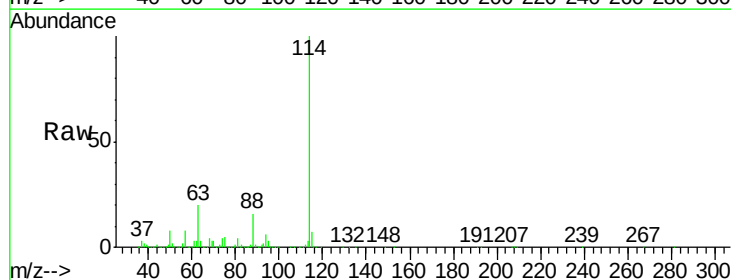
Manual Integrations
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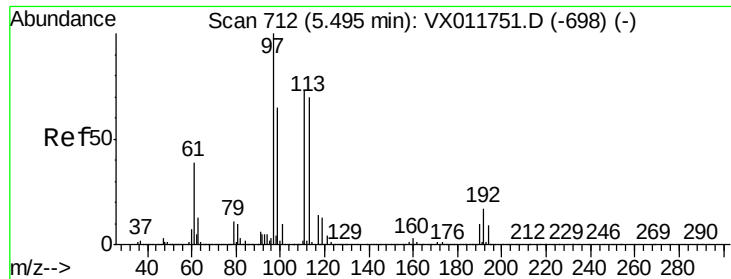
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	531878		
63	20.4	0.0	36.8	
88	15.6	0.0	30.2	





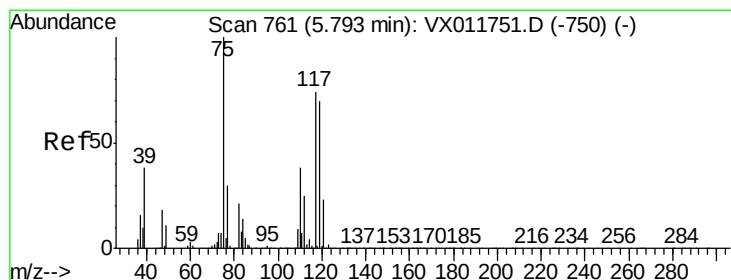
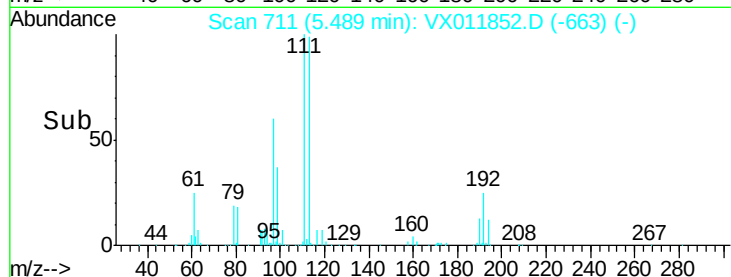
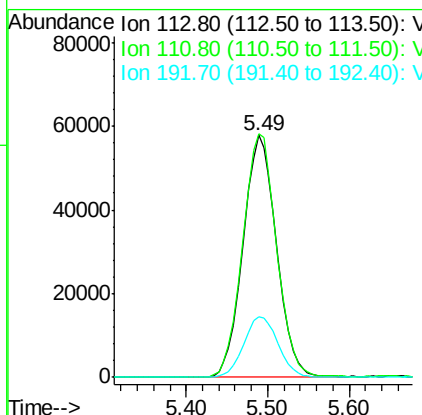
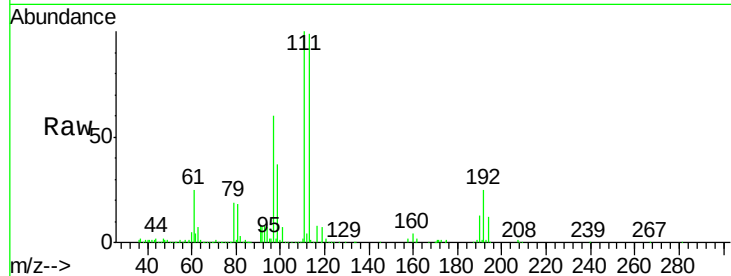
#35
 Dibromofluoromethane
 Concen: 47.992 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165061		
111	101.8	81.0	121.4	
192	25.9	19.9	29.9	

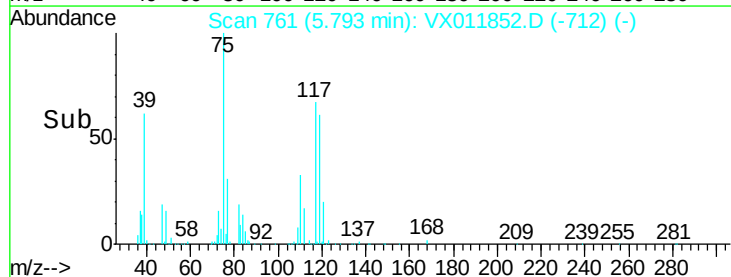
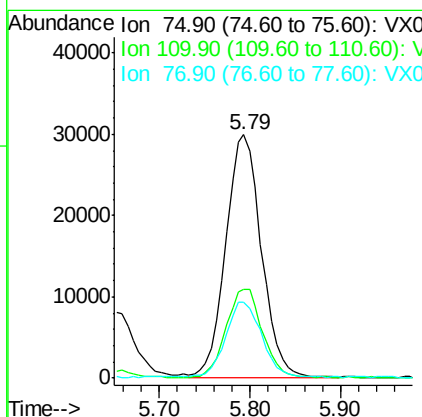
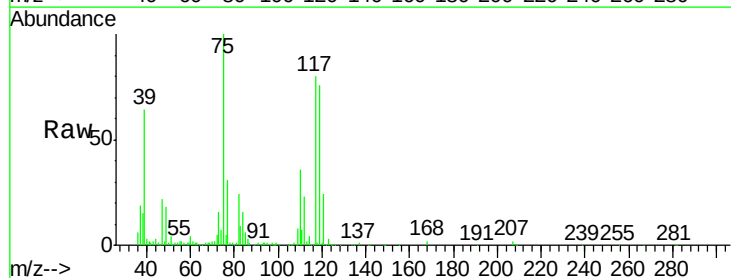
Manual Integrations
 APPROVED

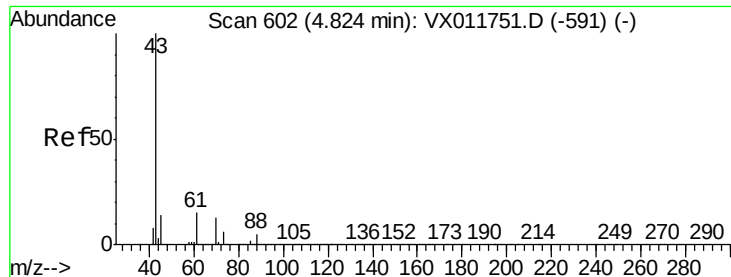
MMDadoda
 8/28/2019 11:44:22 AM



#36
 1,1-Dichloropropene
 Concen: 19.496 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81316		
110	37.9	19.0	57.0	
77	30.7	24.6	36.8	





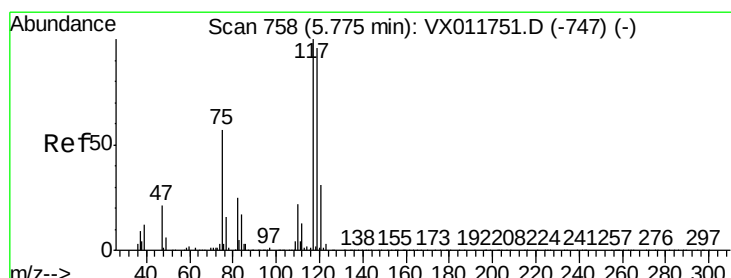
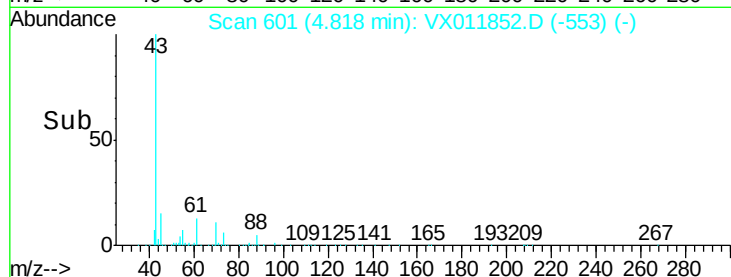
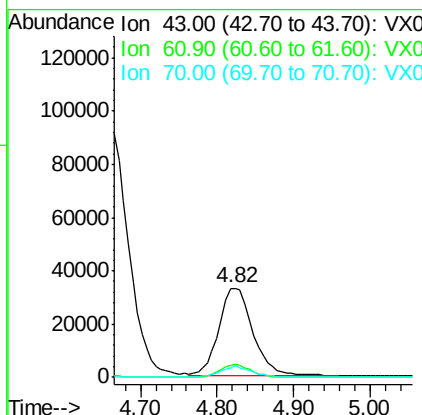
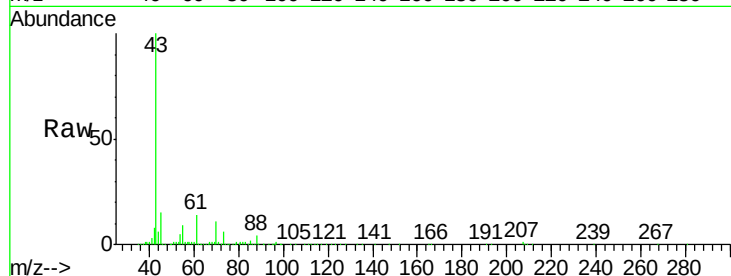
#37
Ethyl Acetate
Concen: 22.859 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	43	Resp	100896
Ion Ratio	Lower	Upper	
43	100		
61	13.5	11.5	17.3
70	10.9	9.5	14.3

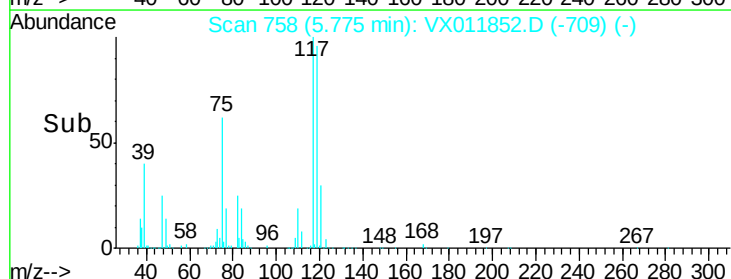
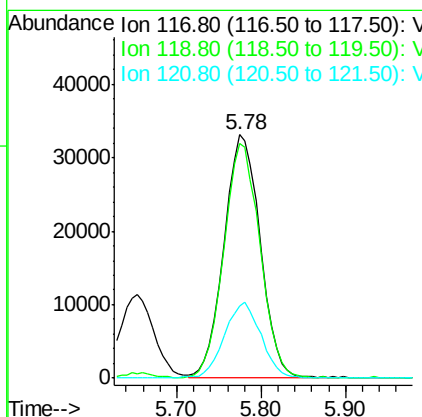
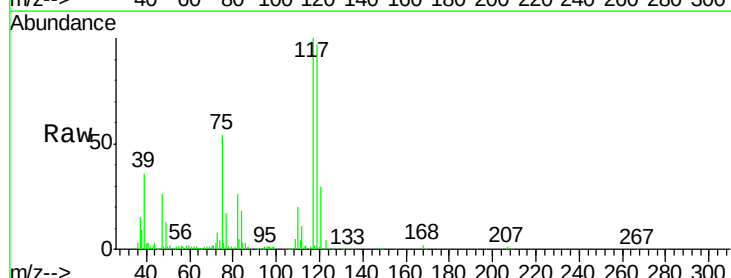
Manual Integrations
APPROVED

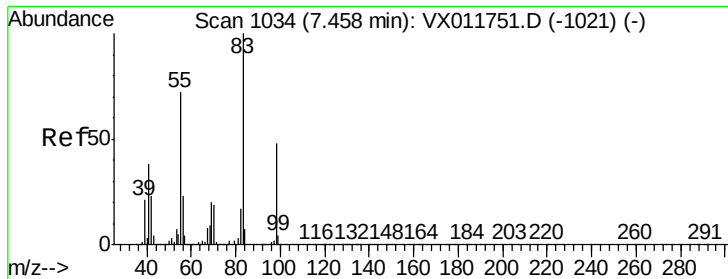
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.402 ug/l
RT: 5.78 min Scan# 758
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	117	Resp	96435
Ion Ratio	Lower	Upper	
117	100		
119	96.6	76.6	114.8
121	29.6	25.2	37.8





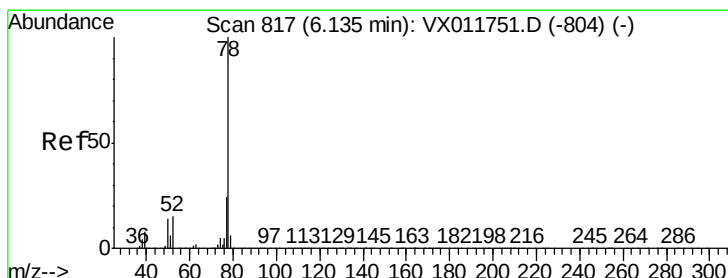
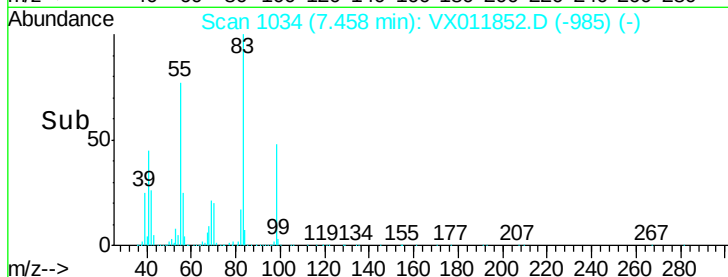
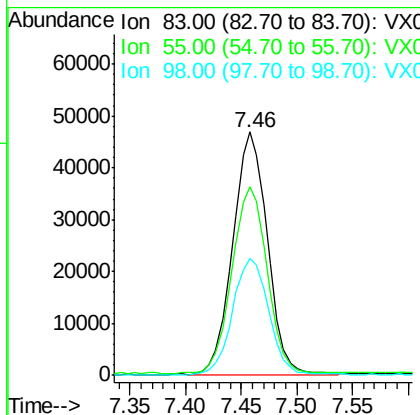
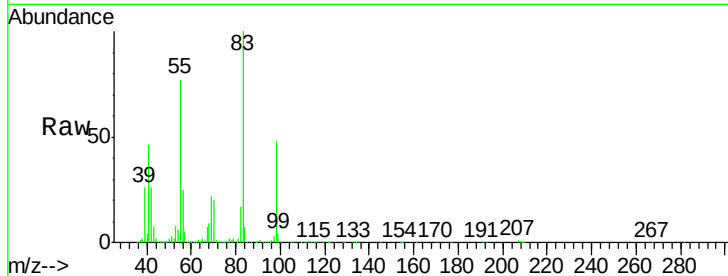
#39
Methylvlcyclohexane
Concen: 19.440 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	57.8	86.6
98	48.0	38.6	58.0

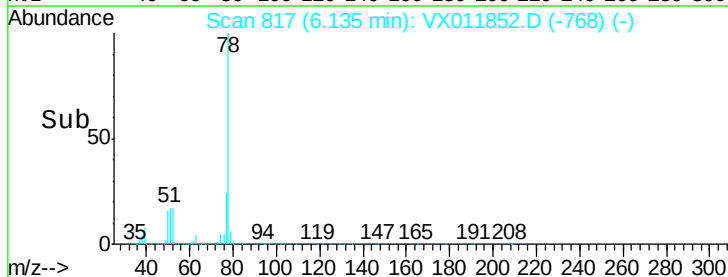
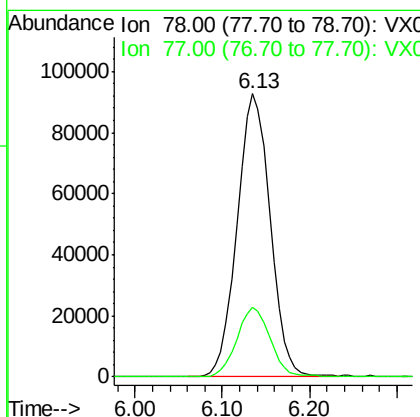
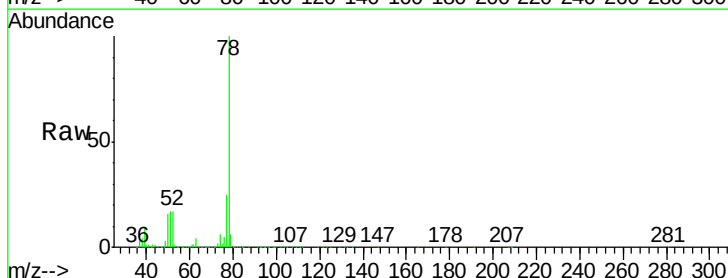
Manual Integrations
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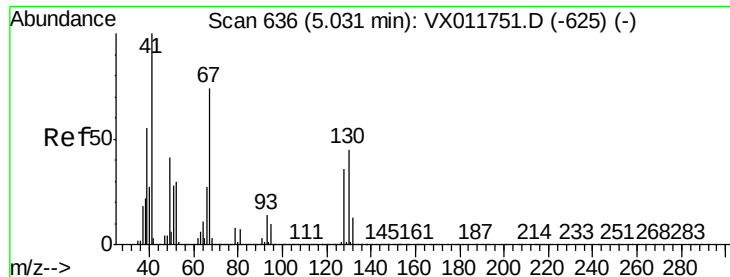
MMDadoda
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#40
Benzene
Concen: 18.835 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7





#41

Methacrylonitrile

Concen: 21.659 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

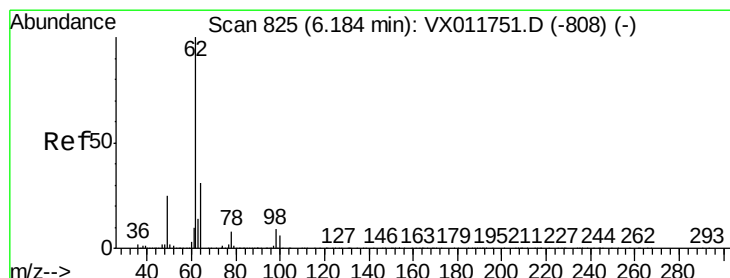
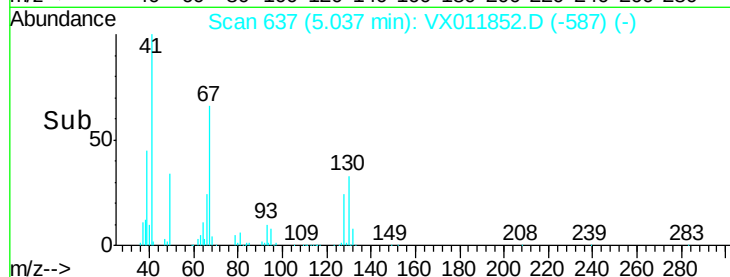
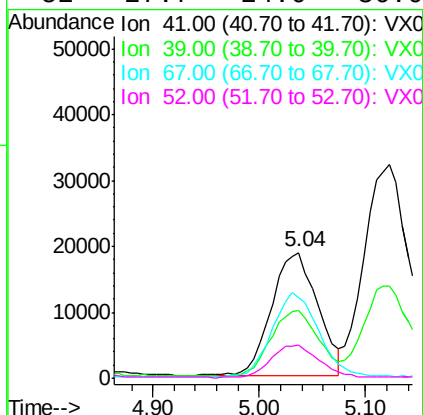
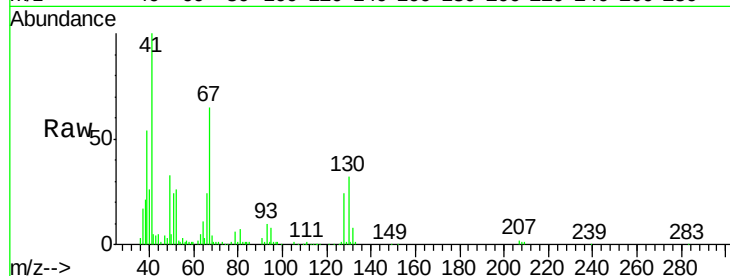
ClientSampleId :

VX0827MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		55599		
39	55.5	44.3	66.5		
67	69.9	60.3	90.5		
52	27.7	24.0	36.0		

Manual Integrations
APPROVED

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8/28/2019 11:44:22 AM



#42

1,2-Dichloroethane

Concen: 19.360 ug/l

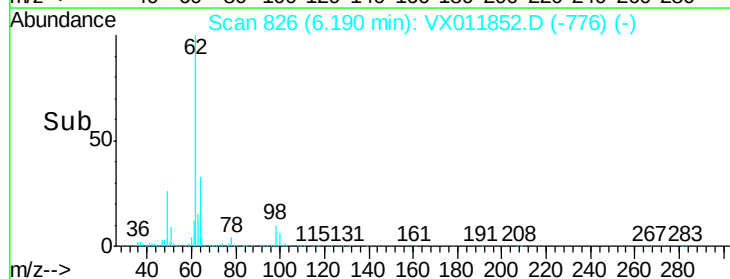
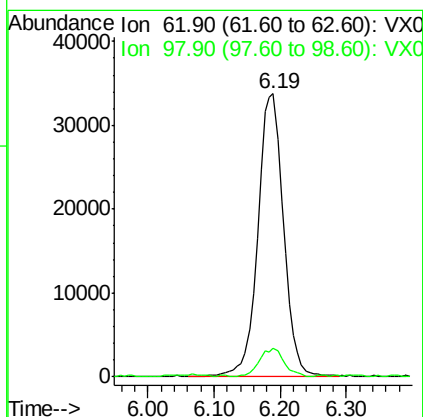
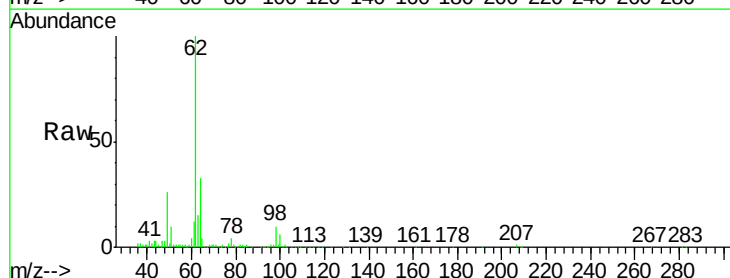
RT: 6.19 min Scan# 826

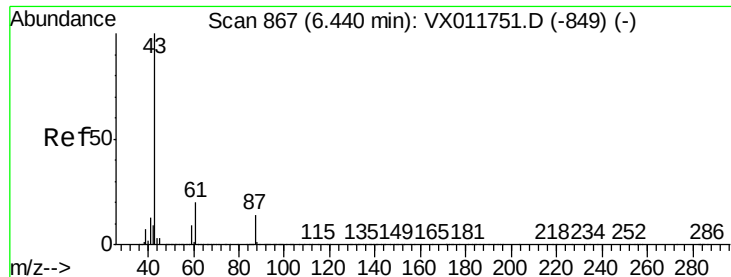
Delta R.T. 0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		91312		
98	9.2	0.0	18.8		





#43

Isopropyl Acetate

Concen: 23.624 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

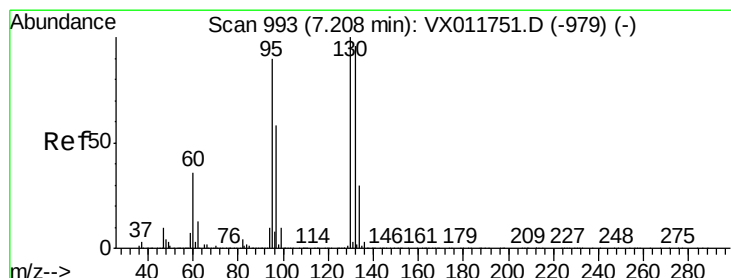
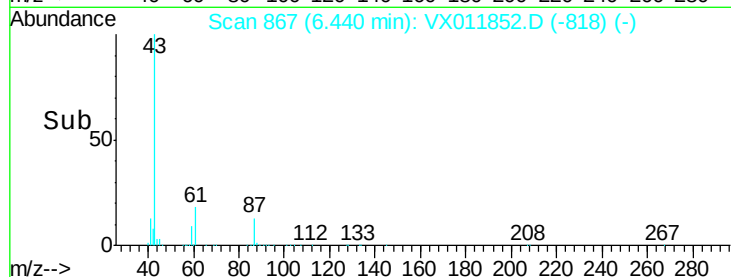
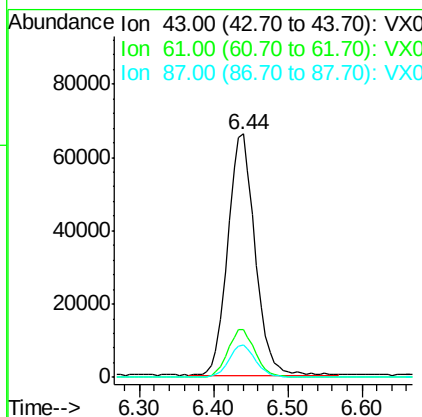
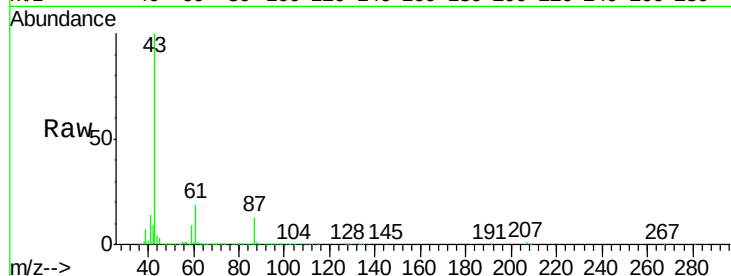
ClientSampleId :

VX0827MBS01

Tot Ion:	43	Resp:	168769
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.2	24.2
87	13.2	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 17.806 ug/l

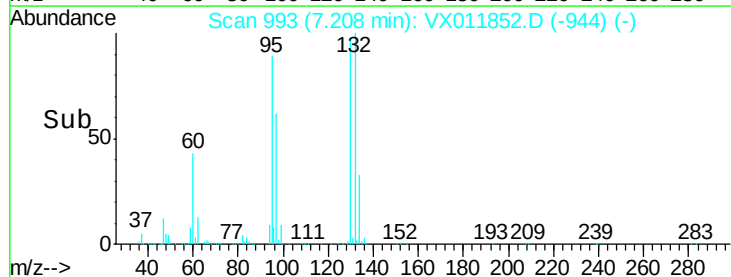
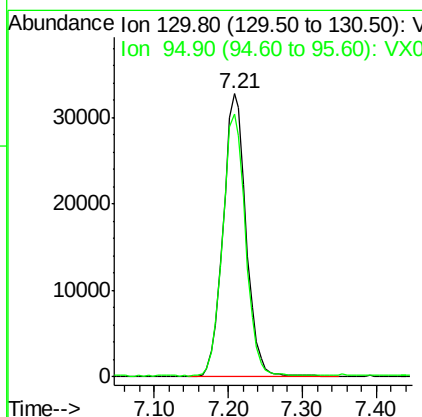
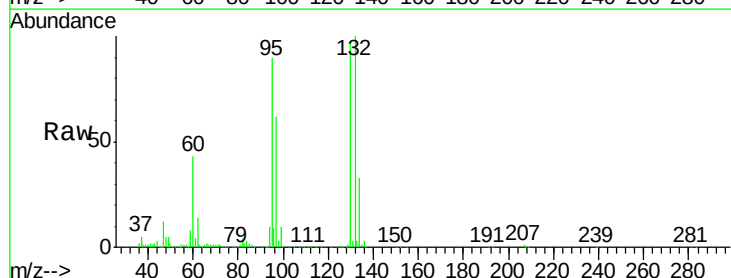
RT: 7.21 min Scan# 993

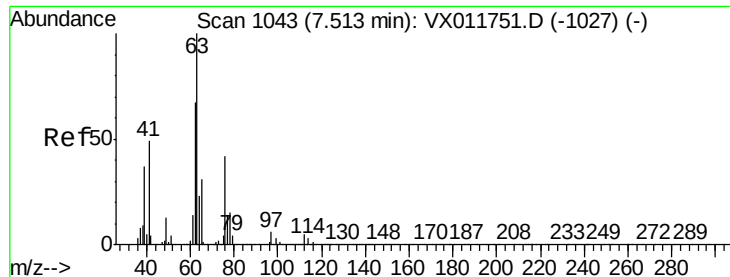
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	130	Resp:	70819
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	179.0





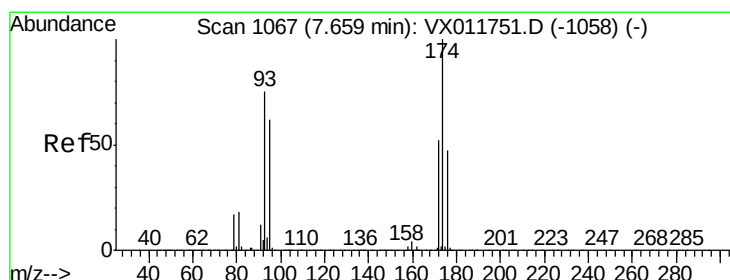
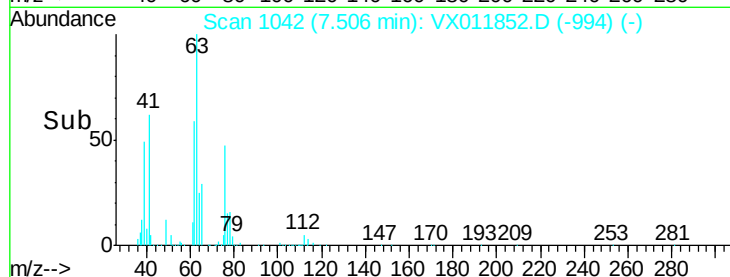
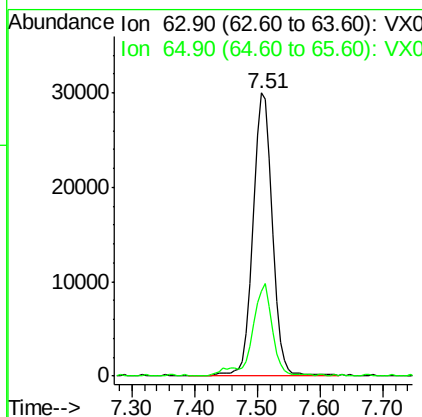
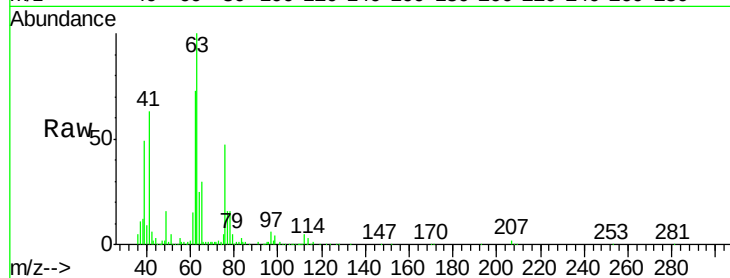
#45
 1,2-Dichloropropane
 Concen: 19.923 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.8	37.2

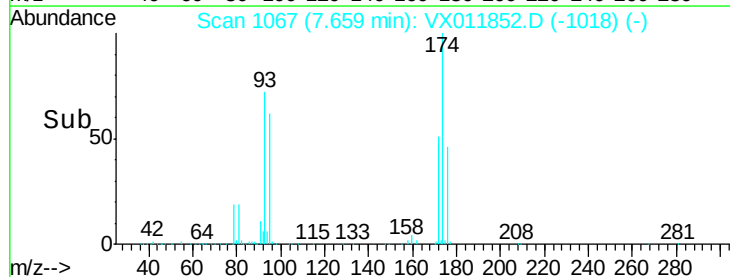
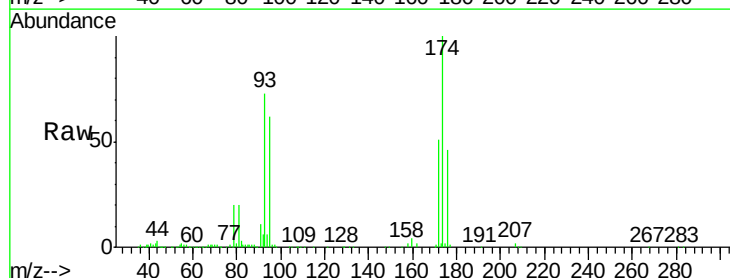
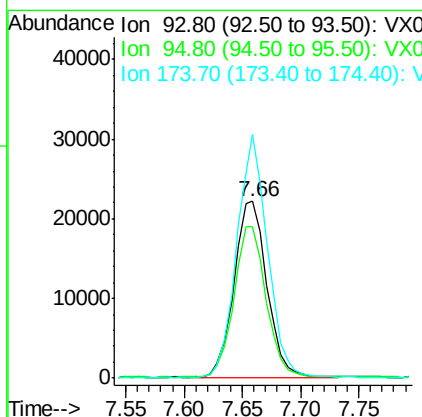
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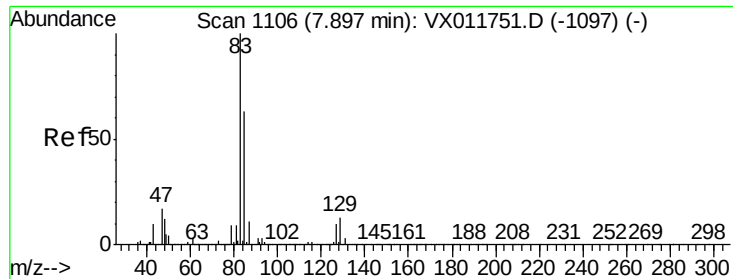
MMDadoda
 8/28/2019 11:44:22 AM



#46
 Dibromomethane
 Concen: 18.220 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.2
174	129.4	104.2	156.4





#47

Bromodichloromethane

Concen: 21.300 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

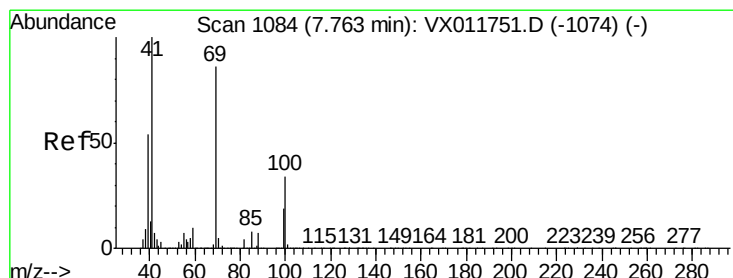
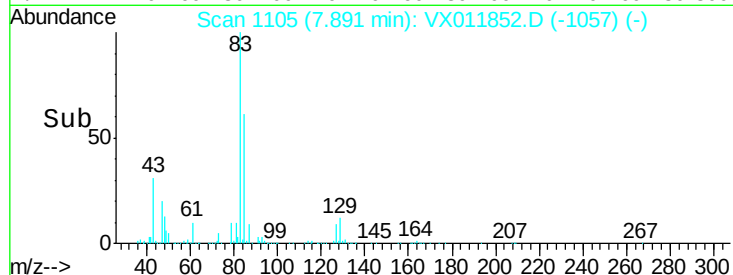
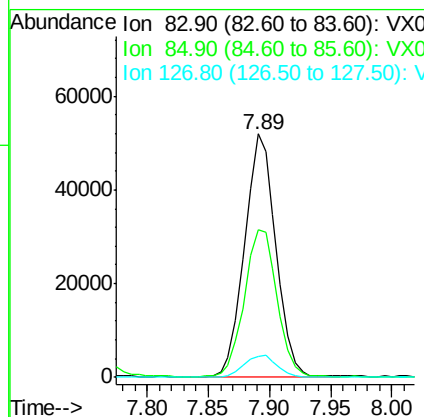
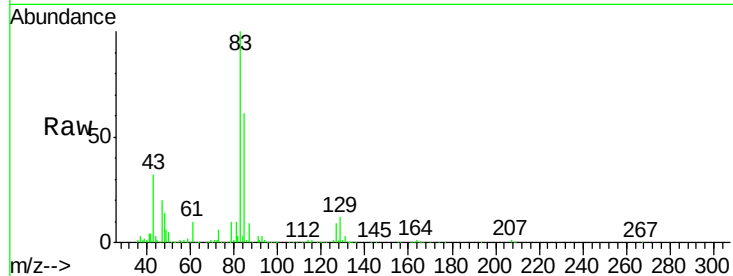
ClientSampleId :

VX0827MBS01

Tot Ion:	83	Resp:	91678
Ion Ratio	Lower	Upper	
83	100		
85	60.6	50.6	76.0
127	8.6	8.4	12.6

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#48

Methyl methacrylate

Concen: 22.914 ug/l

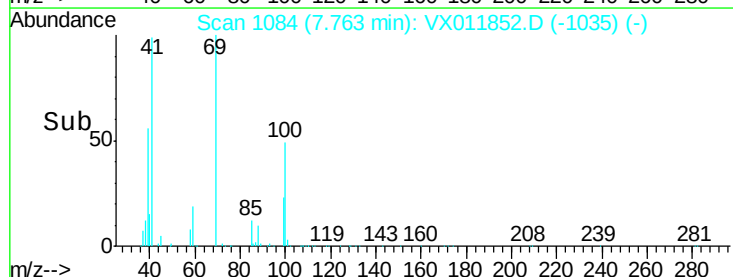
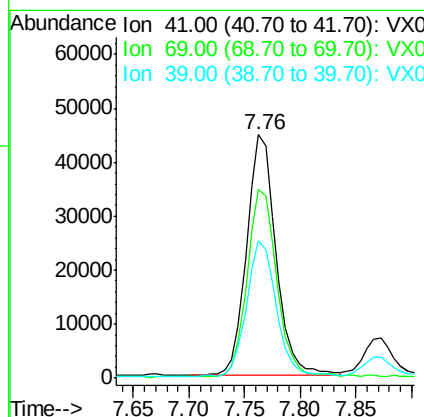
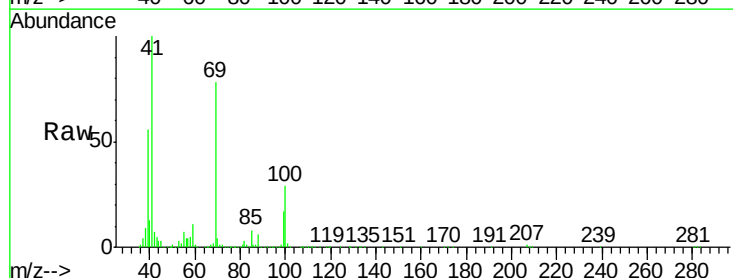
RT: 7.76 min Scan# 1084

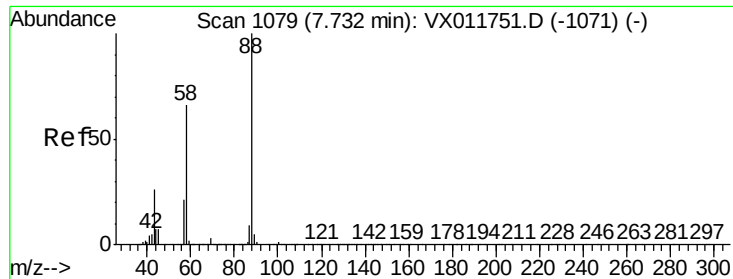
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	41	Resp:	81464
Ion Ratio	Lower	Upper	
41	100		
69	79.8	69.4	104.2
39	57.9	43.6	65.4





#49

1,4-Dioxane

Concen: 339.148 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

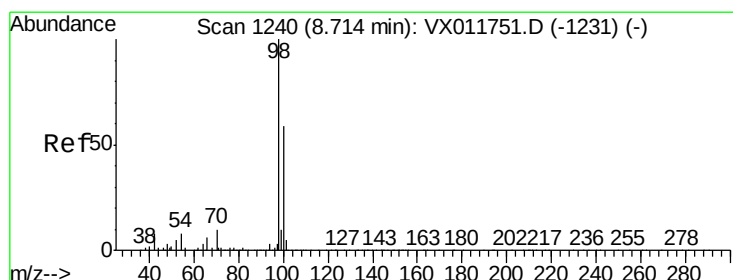
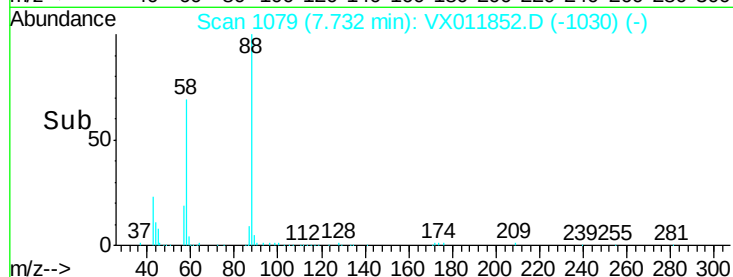
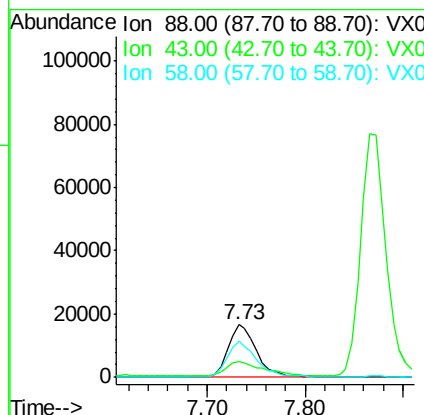
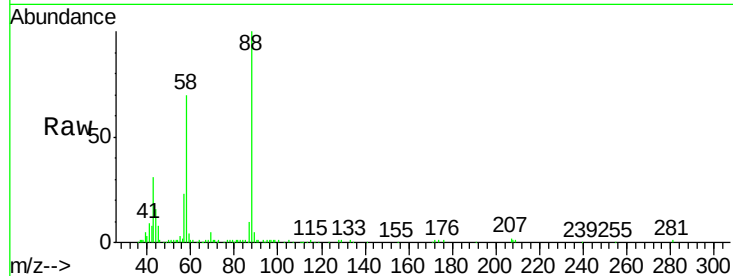
ClientSampleId :

VX0827MBS01

Tot Ion:	88	Resp:	33408
Ion	Ratio	Lower	Upper
88	100		
43	34.6	24.6	37.0
58	70.0	51.4	77.2

Manual Integrations
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#50

Toluene-d8

Concen: 49.401 ug/l

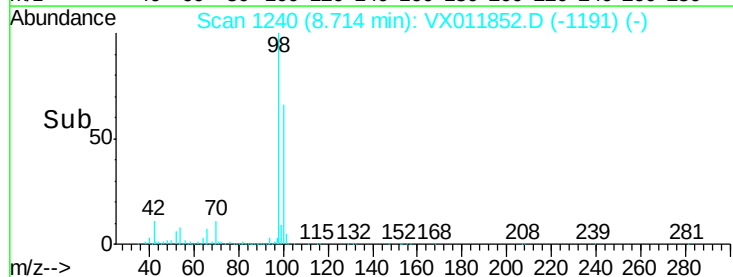
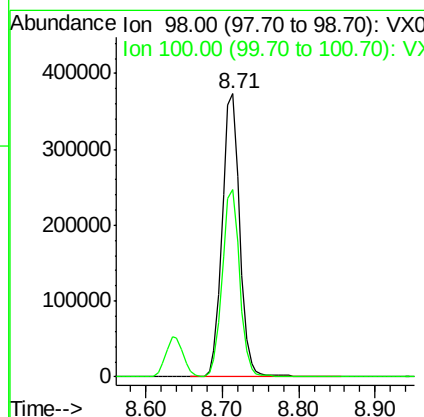
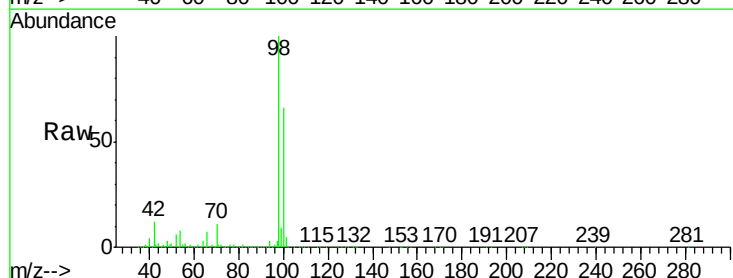
RT: 8.71 min Scan# 1240

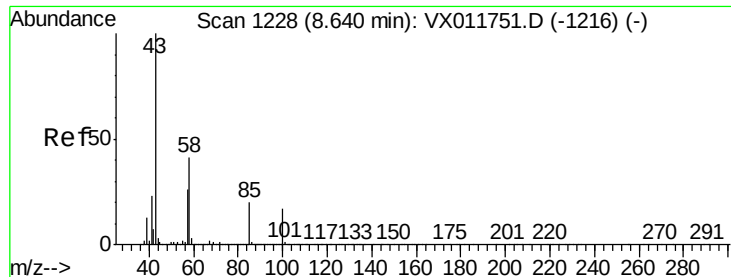
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	98	Resp:	592634
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 109.264 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 43 Resp: 514338

Ion Ratio Lower Upper

43 100

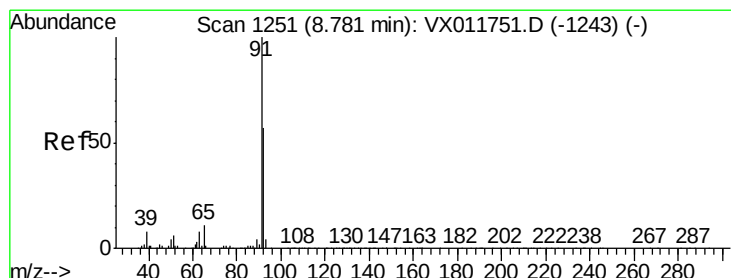
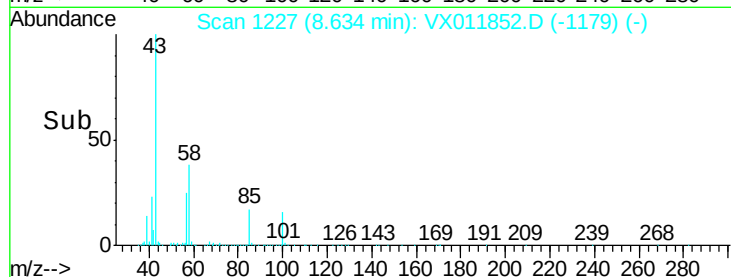
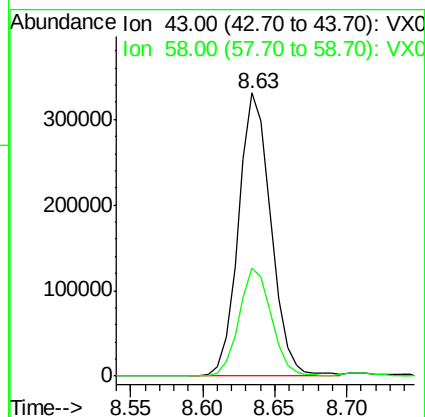
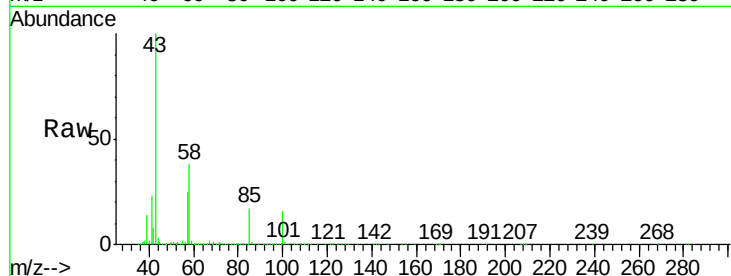
58 38.2 31.8 47.6

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#52

Toluene

Concen: 18.639 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011852.D

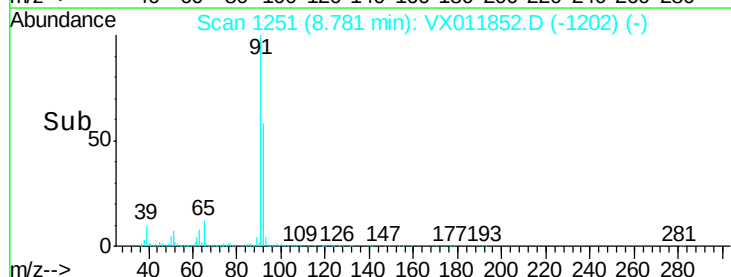
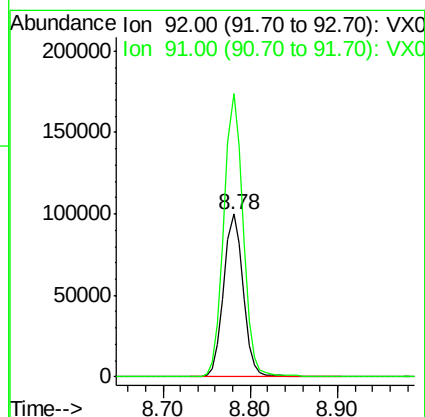
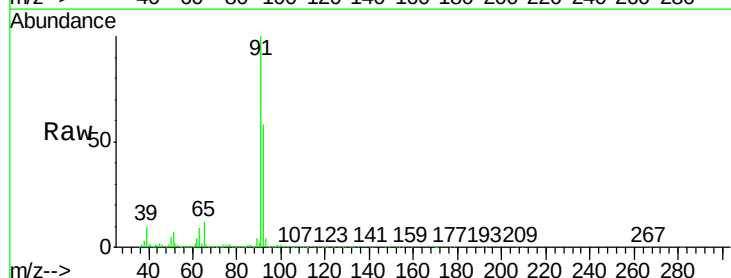
Acq: 27 Aug 2019 16:03

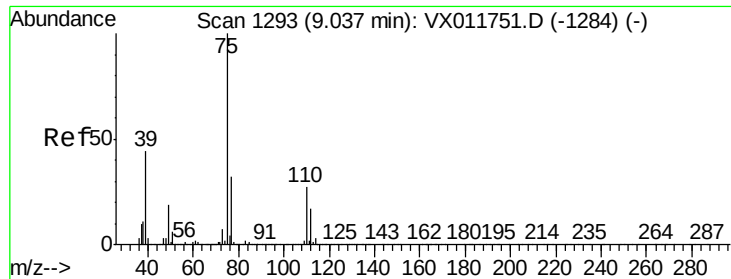
Tgt Ion: 92 Resp: 155626

Ion Ratio Lower Upper

92 100

91 170.2 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 22.509 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 75 Resp: 101703

Ion Ratio Lower Upper

75 100

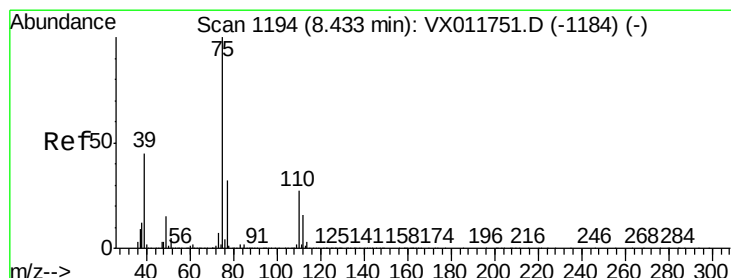
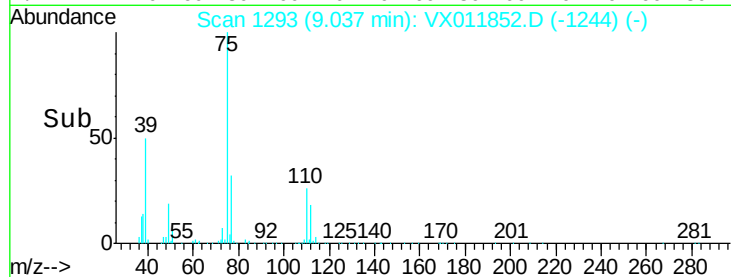
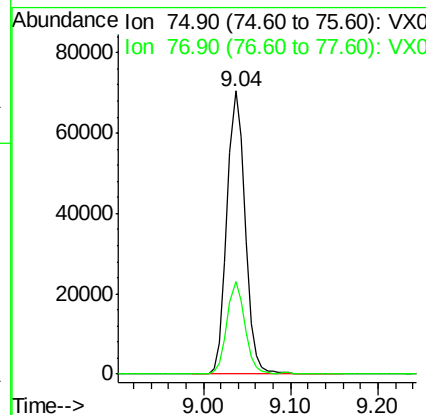
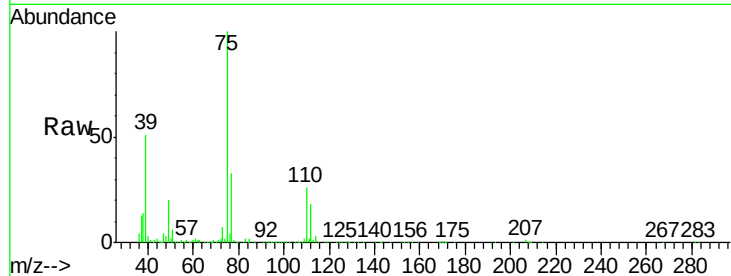
77 32.3 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.977 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

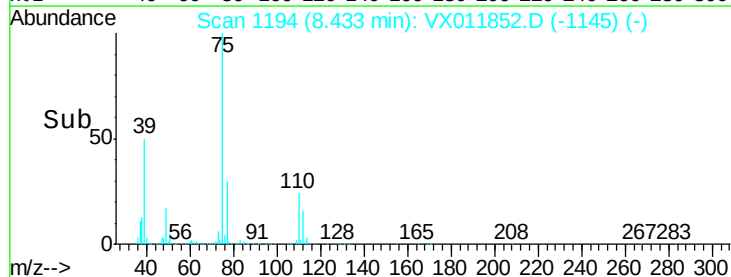
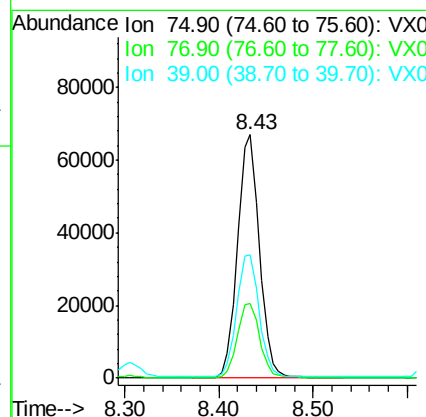
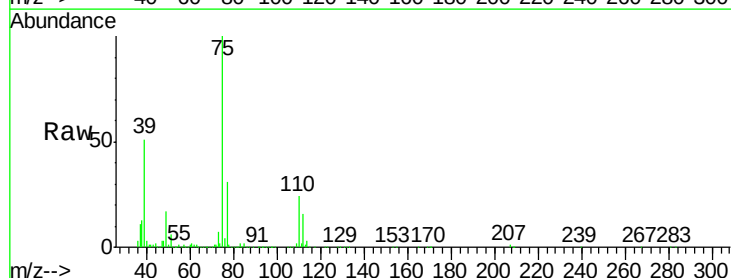
Tgt Ion: 75 Resp: 108327

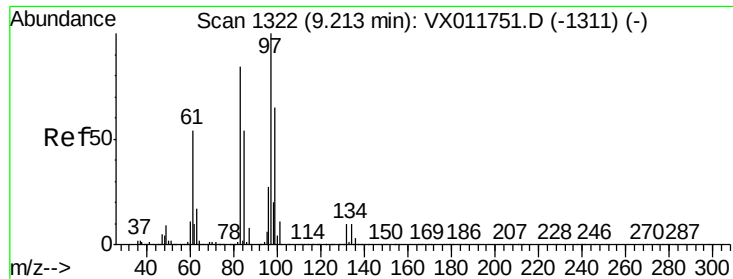
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

39 50.2 36.2 54.4





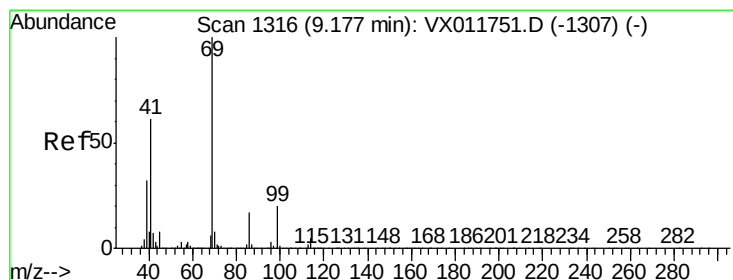
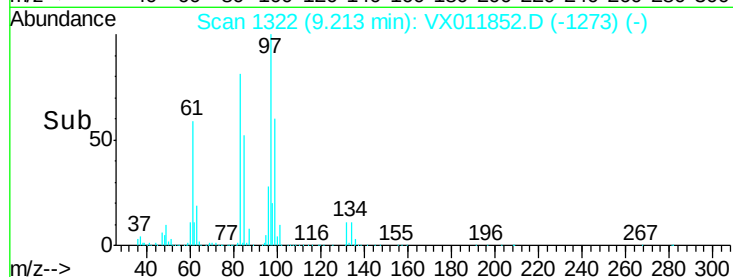
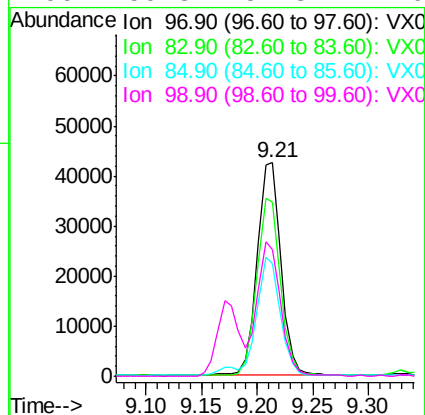
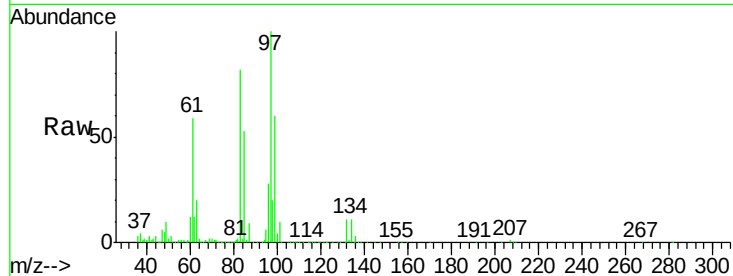
#55
 1,1,2-Trichloroethane
 Concen: 18.329 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion:	97	Resp:	63760
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.3	100.9
85	52.4	43.4	65.2
99	59.8	51.8	77.6

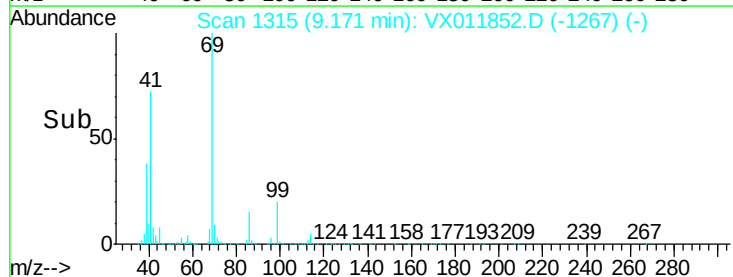
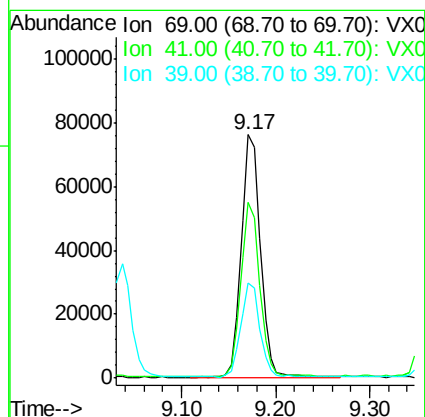
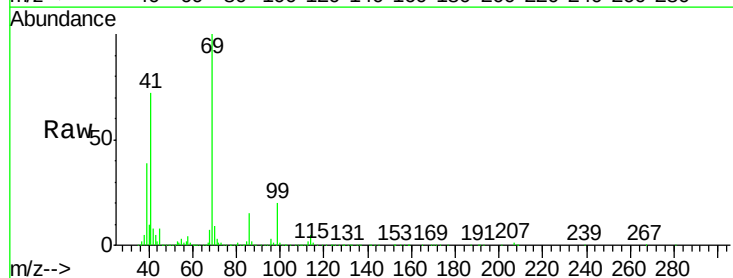
Manual Integrations
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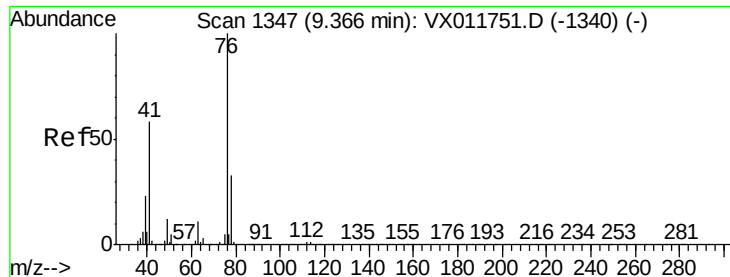
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#56
 Ethyl methacrylate
 Concen: 21.808 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Tgt Ion:	69	Resp:	107885
Ion	Ratio	Lower	Upper
69	100		
41	70.5	50.7	76.1
39	38.4	26.4	39.6





#57

1,3-Dichloropropane

Concen: 19.062 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 76 Resp: 107068

Ion Ratio Lower Upper

76 100

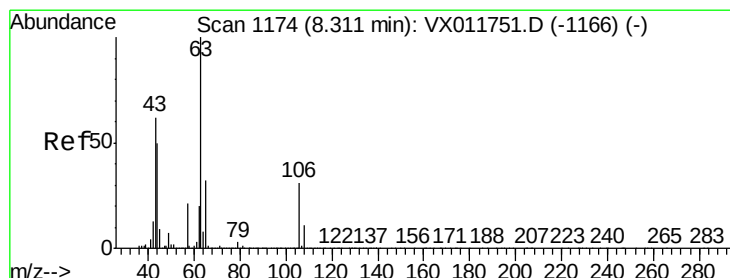
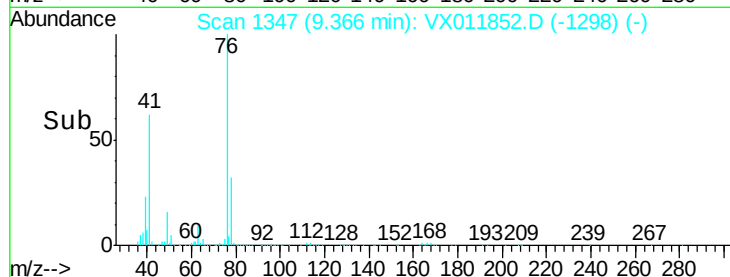
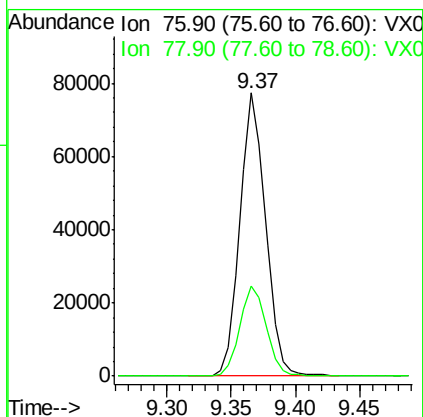
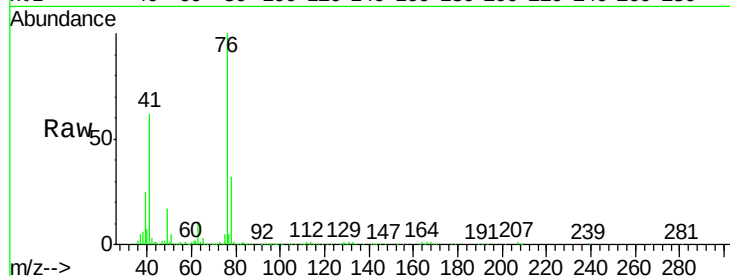
78 32.5 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 112.720 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011852.D

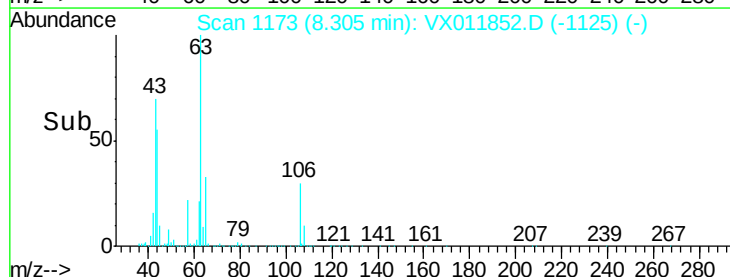
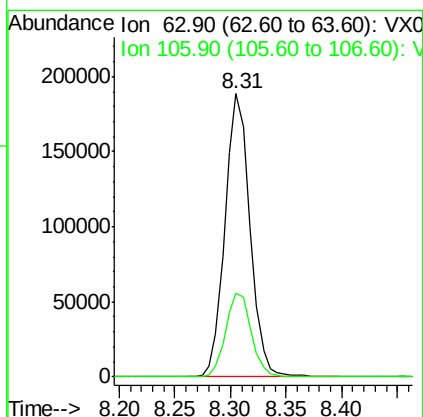
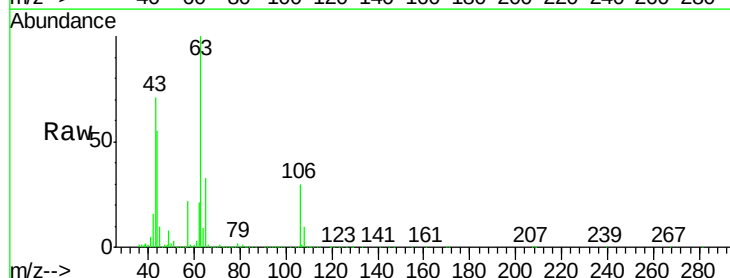
Acq: 27 Aug 2019 16:03

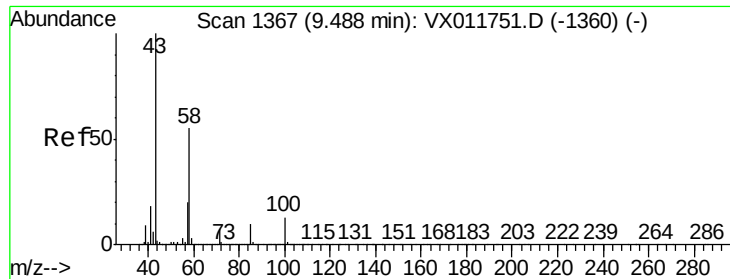
Tgt Ion: 63 Resp: 293339

Ion Ratio Lower Upper

63 100

106 30.4 24.9 37.3





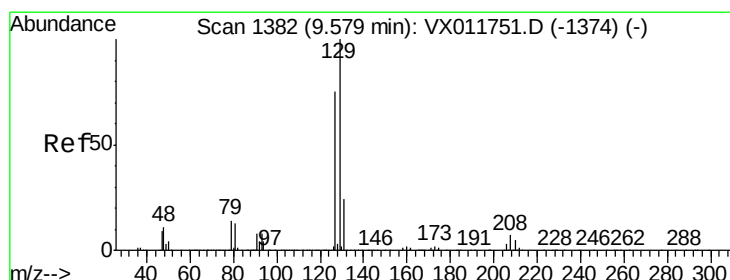
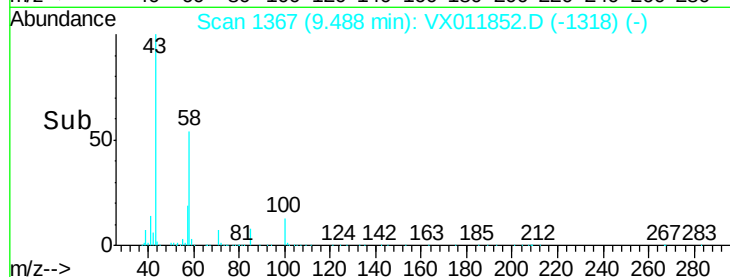
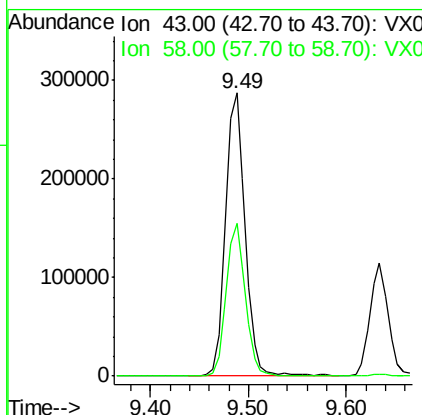
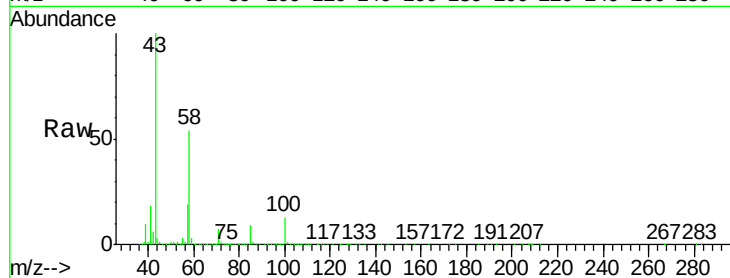
#59
2-Hexanone
Concen: 109.485 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.7	83.1

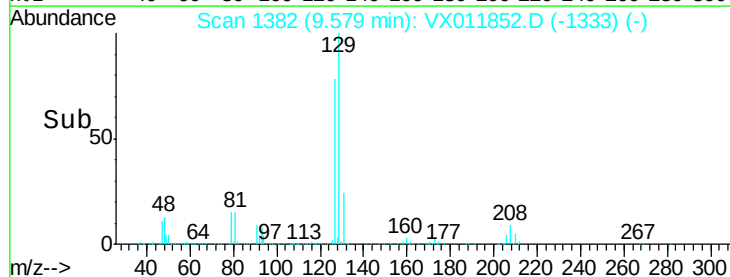
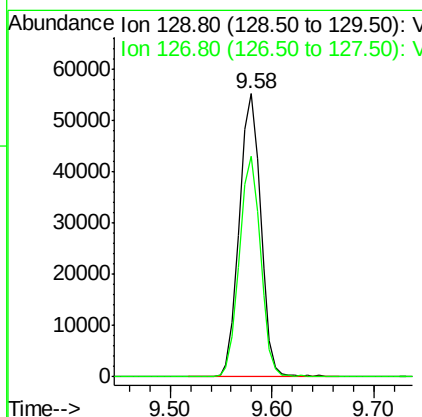
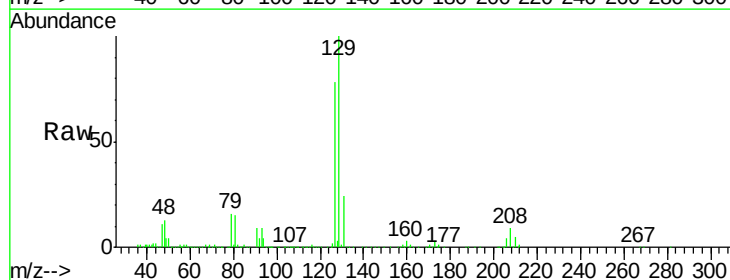
Manual Integrations
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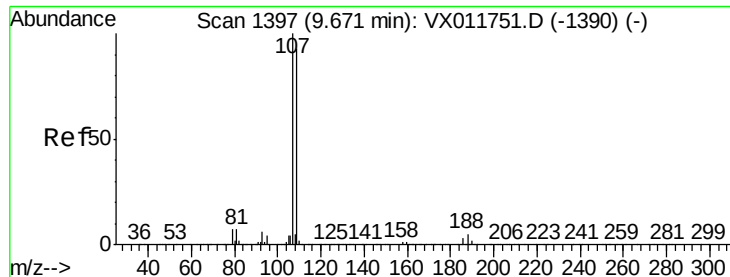
MMDadoda
8/28/2019 11:44:22 AM



#60
Dibromochloromethane
Concen: 21.248 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.3	114.8





#61

1,2-Dibromoethane

Concen: 18.604 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 107 Resp: 69438

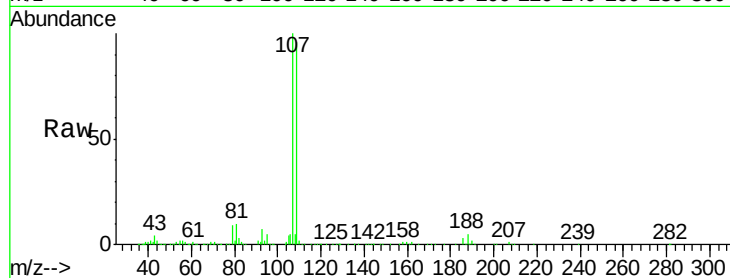
Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.8

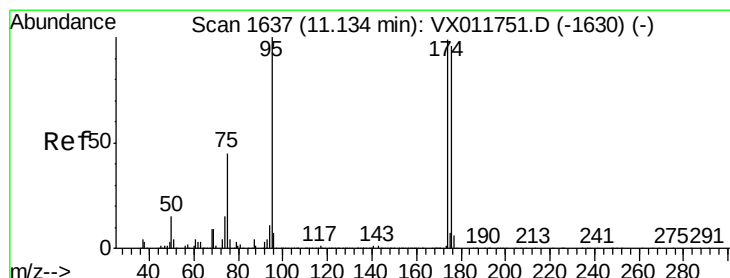
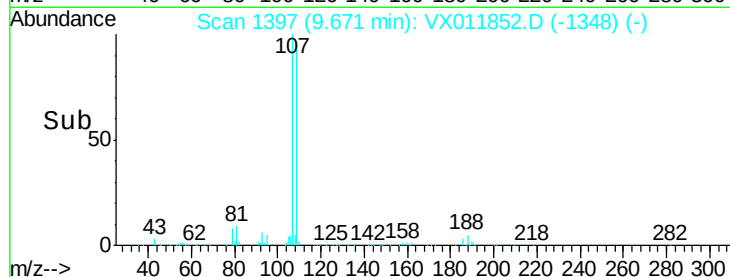
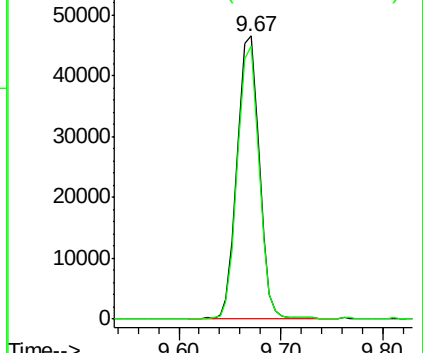
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.530 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

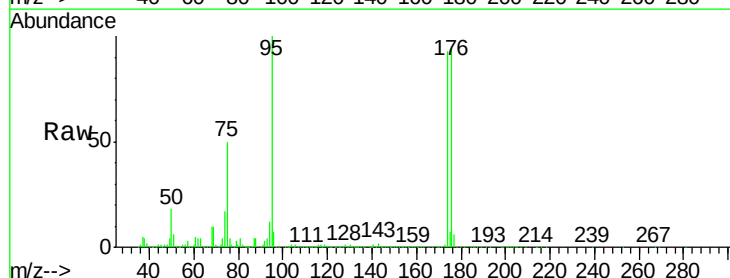
Tgt Ion: 95 Resp: 225376

Ion Ratio Lower Upper

95 100

174 94.0 0.0 197.4

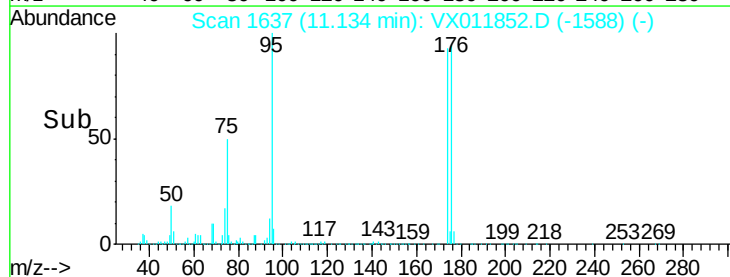
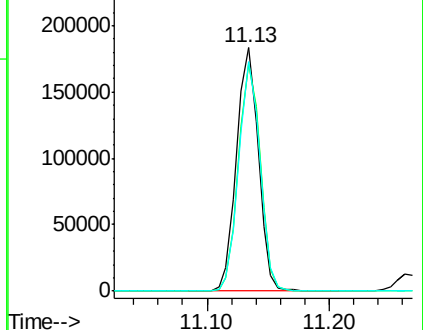
176 92.6 0.0 194.4

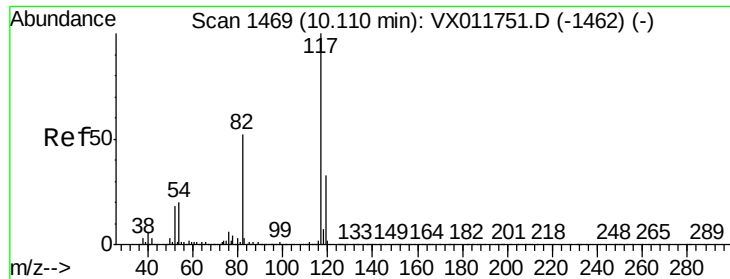


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





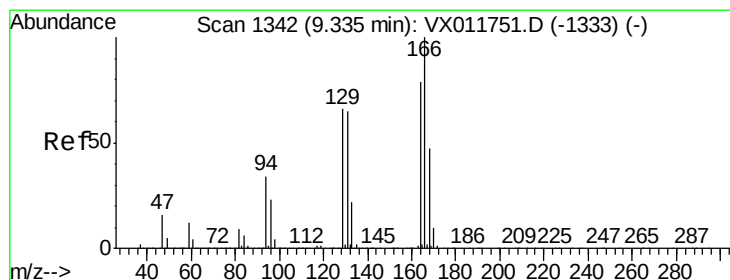
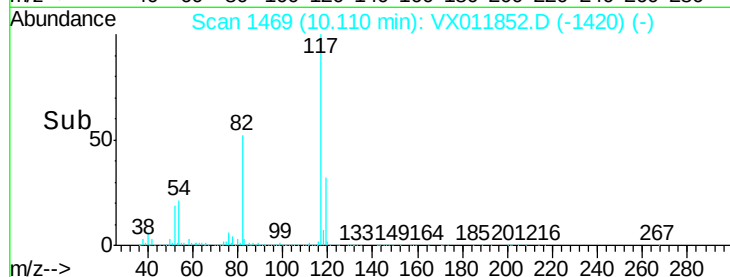
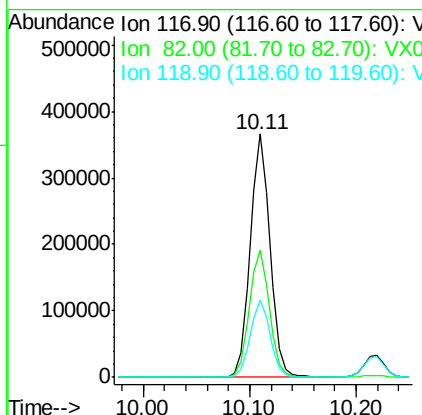
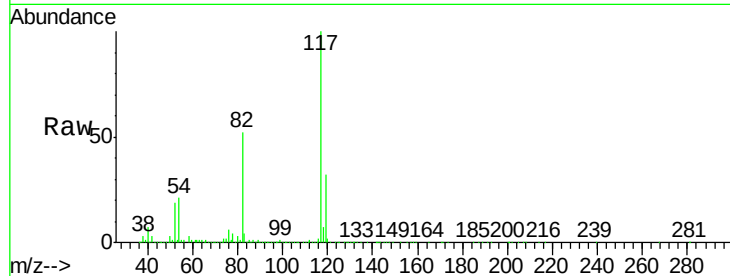
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	477488		
82	52.3	41.7	62.5	
119	31.6	26.2	39.2	

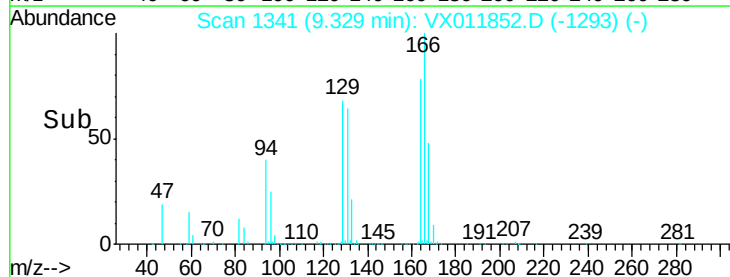
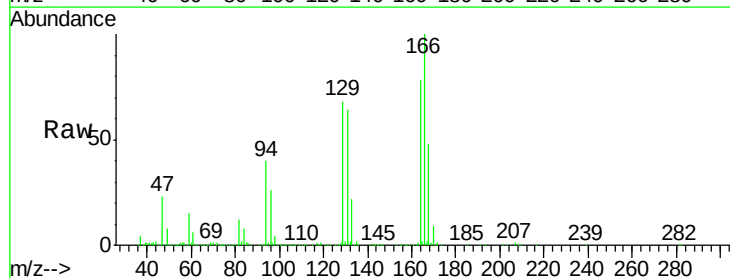
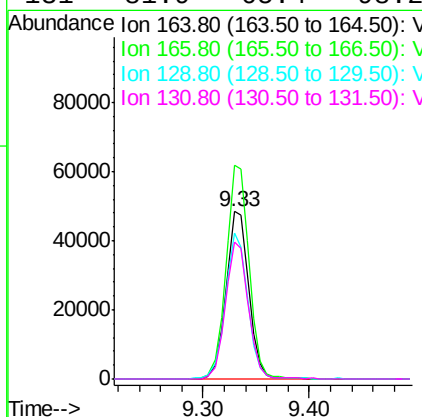
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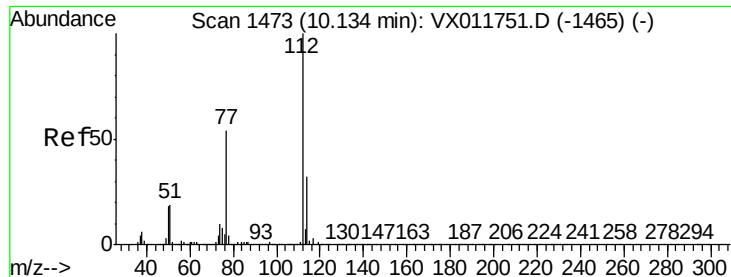
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#64
Tetrachloroethene
Concen: 18.998 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72371		
166	127.7	100.7	151.1	
129	86.7	66.8	100.2	
131	81.9	65.4	98.2	





#65

Chlorobenzene

Concen: 18.242 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion:112 Resp: 170054

Ion Ratio Lower Upper

112 100

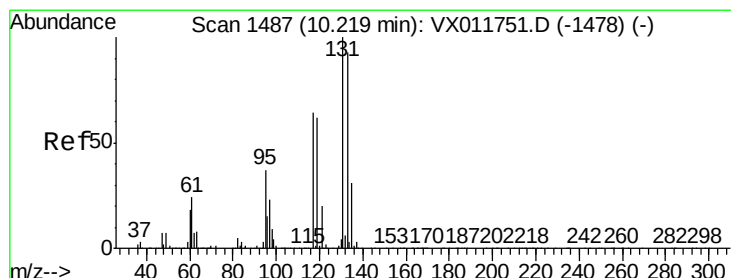
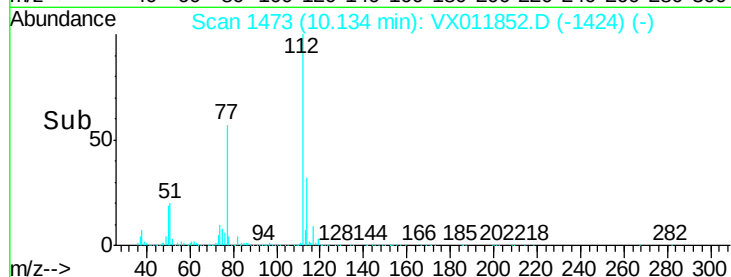
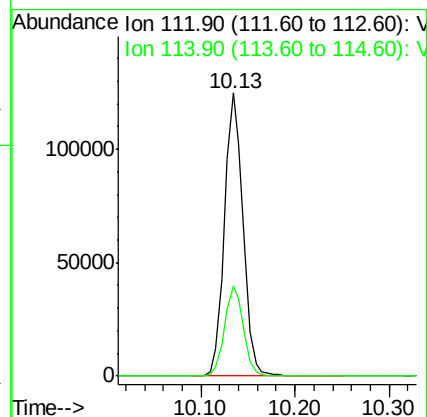
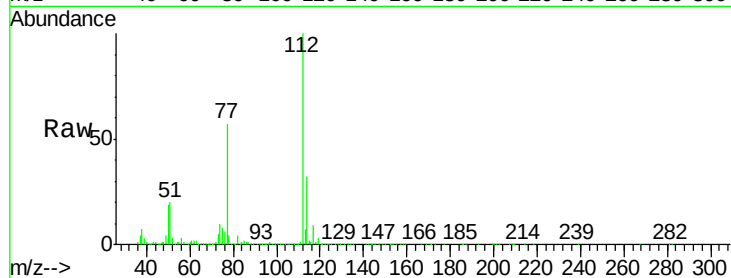
114 32.0 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.339 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

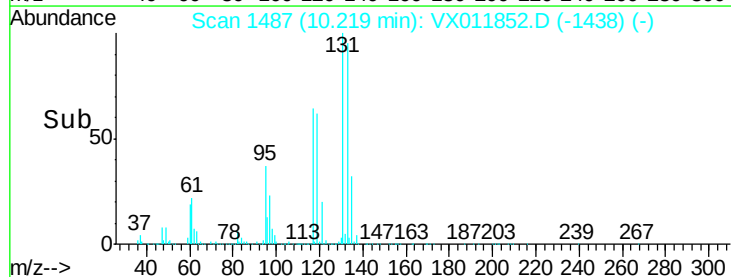
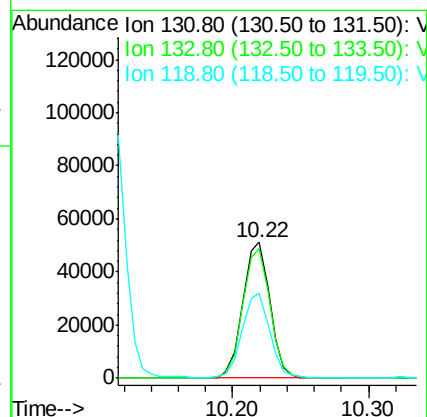
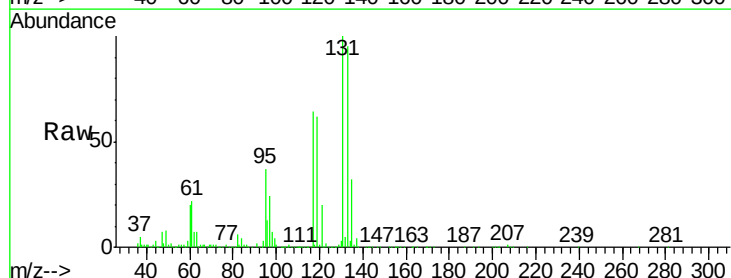
Tgt Ion:131 Resp: 71040

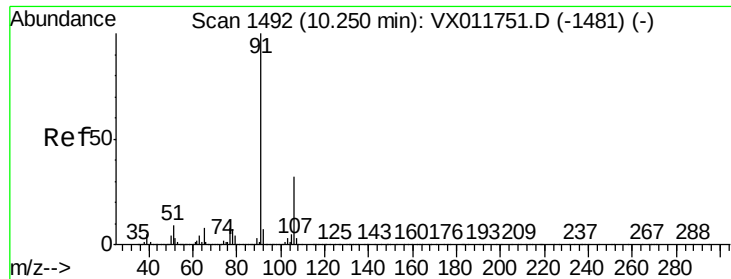
Ion Ratio Lower Upper

131 100

133 95.7 47.8 143.4

119 62.5 31.3 93.8





#67

Ethyl Benzene

Concen: 19.305 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 91 Resp: 300746

Ion Ratio Lower Upper

91 100

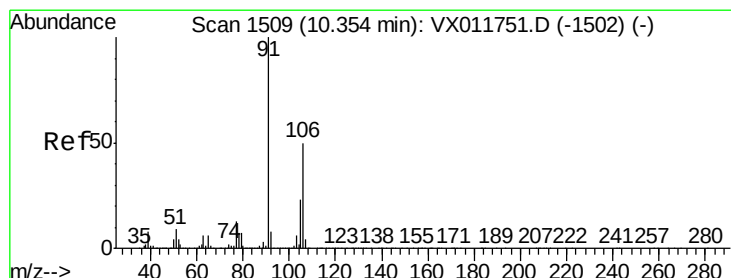
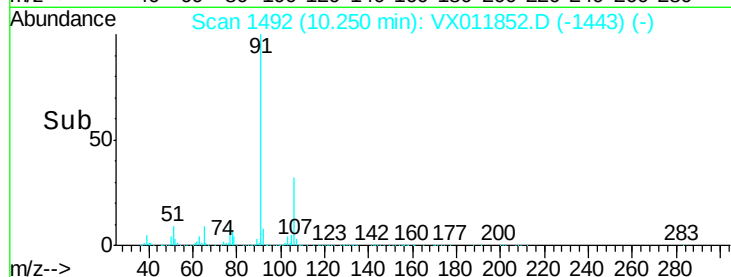
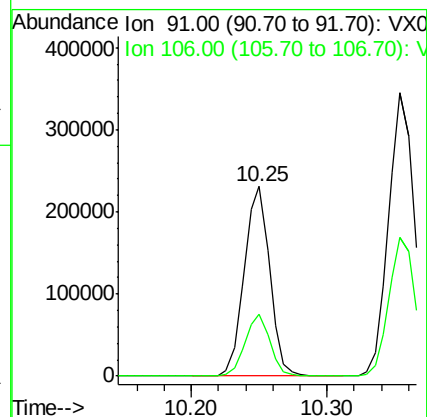
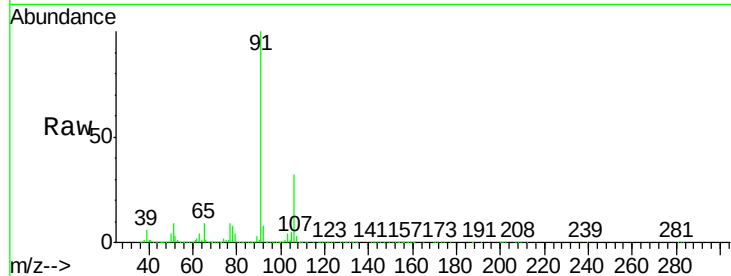
106 32.4 25.5 38.3

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#68

m/p-Xylenes

Concen: 38.314 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011852.D

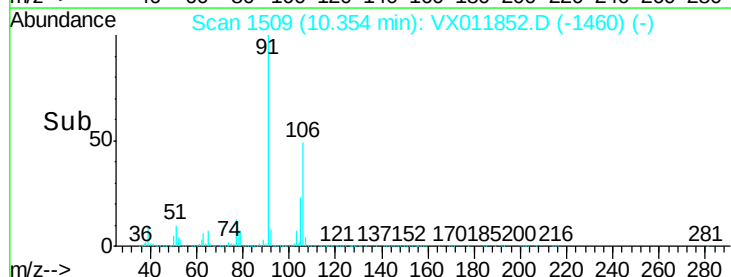
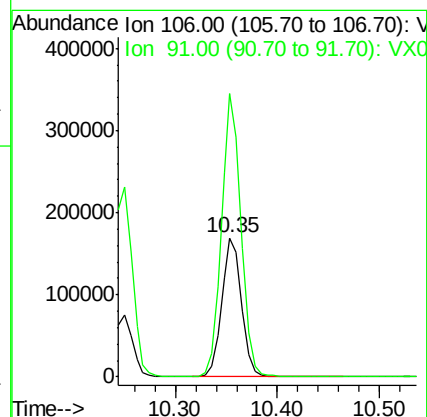
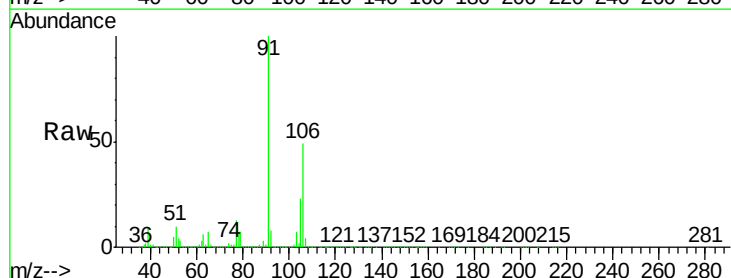
Acq: 27 Aug 2019 16:03

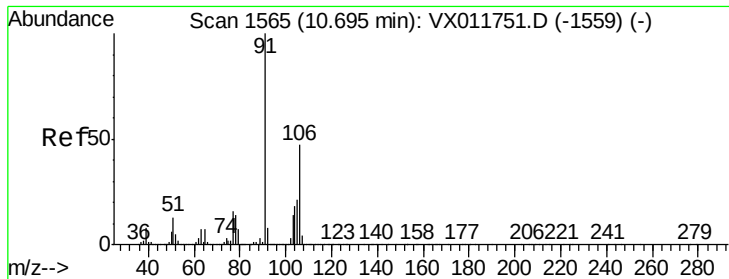
Tgt Ion: 106 Resp: 230144

Ion Ratio Lower Upper

106 100

91 199.8 158.3 237.5





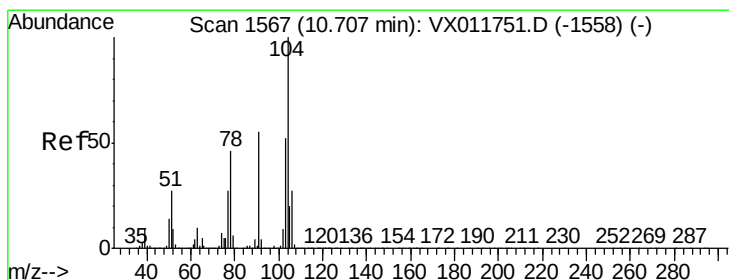
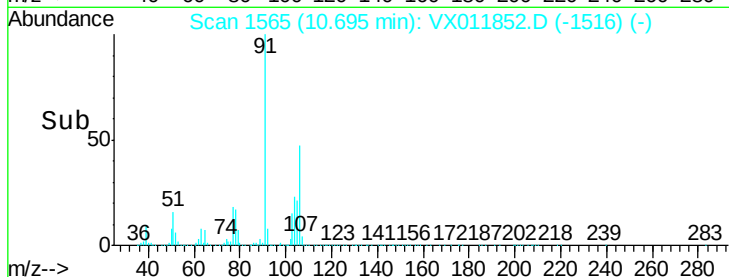
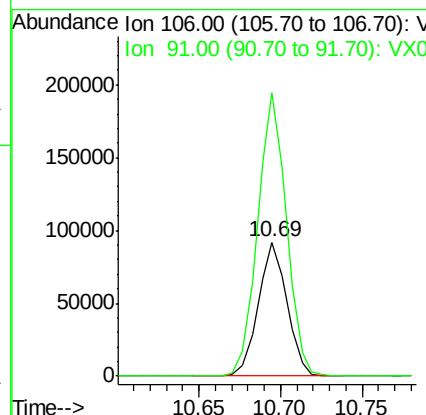
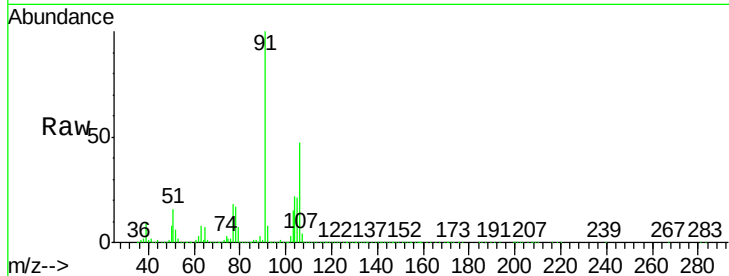
#69
o-Xylene
Concen: 19.108 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.6	105.0	314.9

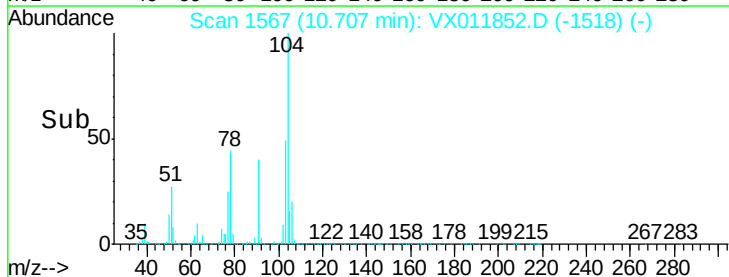
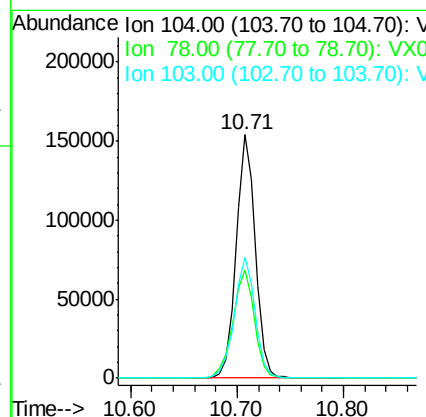
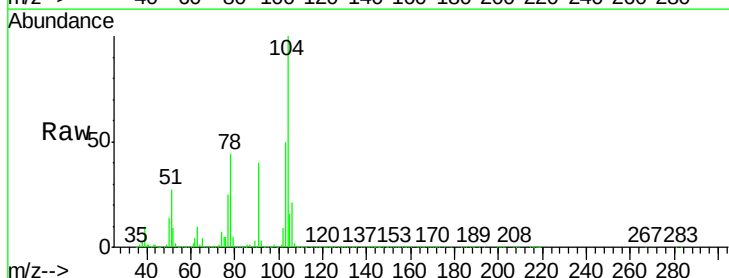
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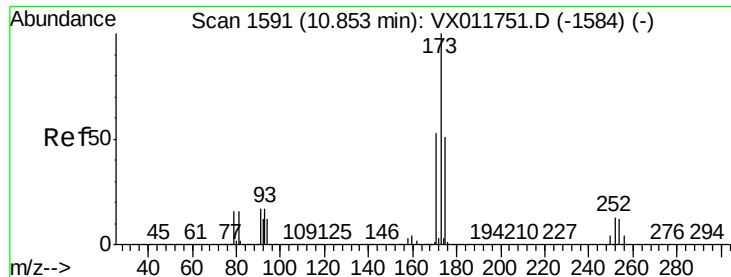
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#70
Styrene
Concen: 19.724 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.2	58.8
103	53.7	44.5	66.7





#71

Bromoform

Concen: 22.815 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

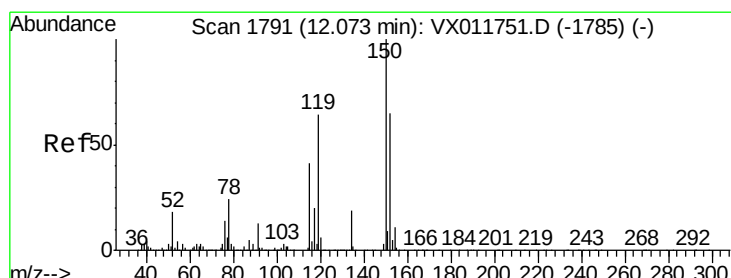
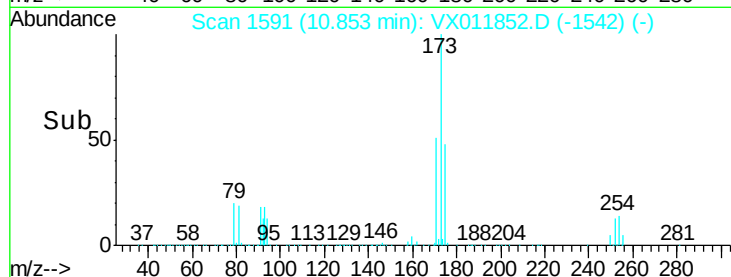
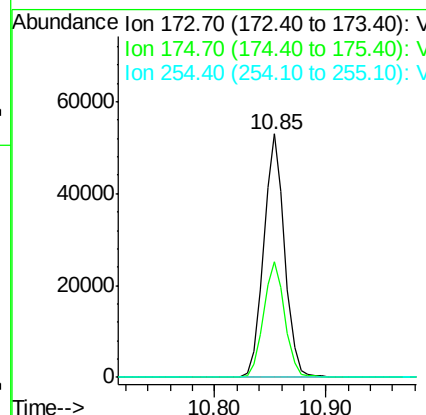
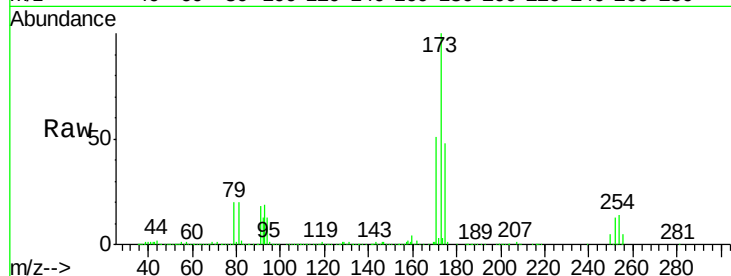
ClientSampleId :

VX0827MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	25.1	75.3
254	0.2	0.2	0.4

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

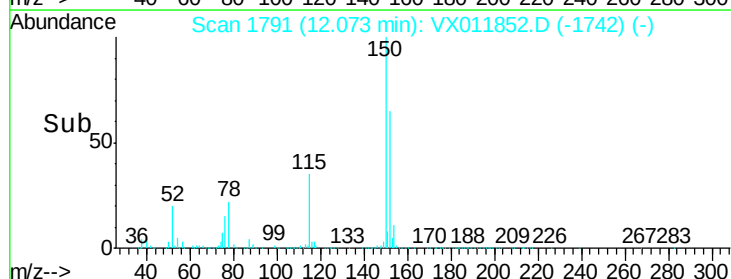
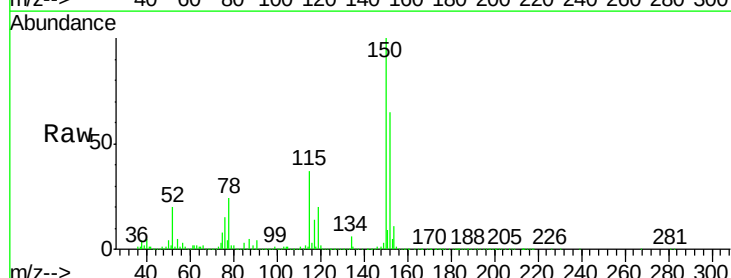
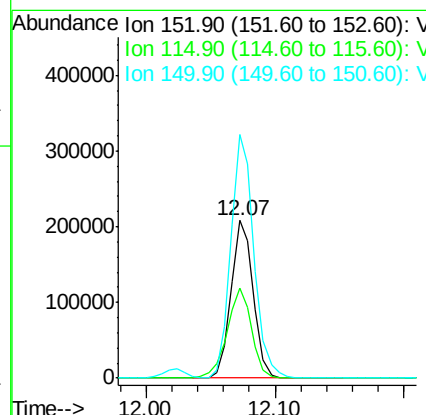
RT: 12.07 min Scan# 1791

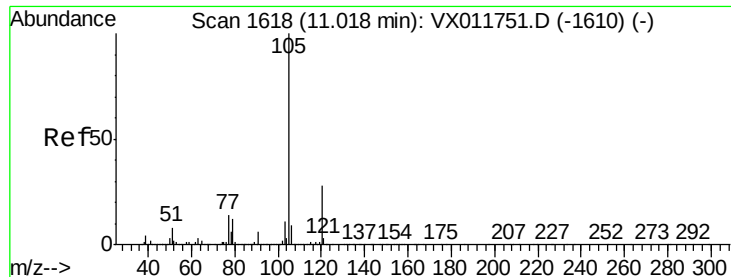
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	37.3	111.8
150	161.1	0.0	343.0





#73

Isopropylbenzene

Concen: 19.903 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 105 Resp: 301819

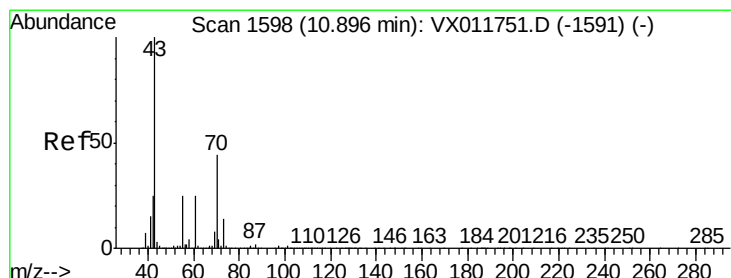
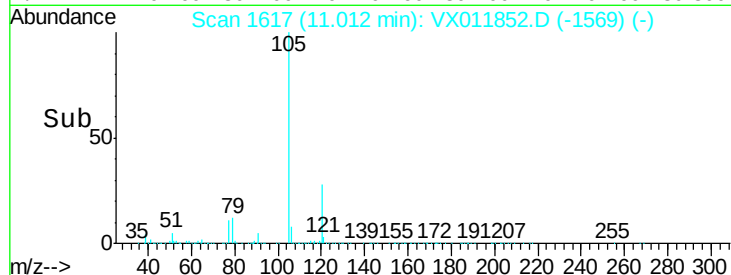
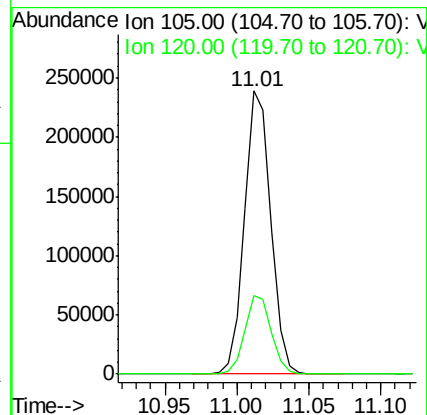
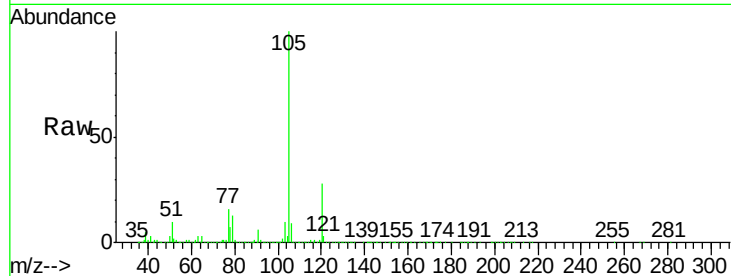
Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7

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#74

N-ethyl acetate

Concen: 24.993 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion: 43 Resp: 146728

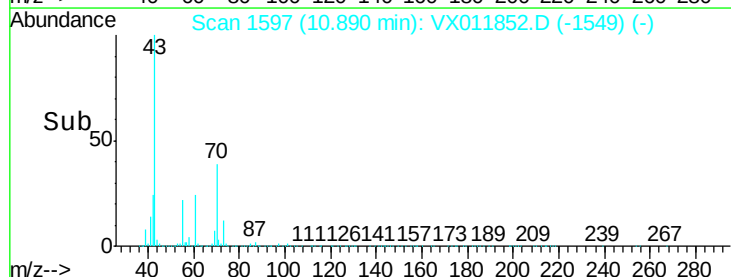
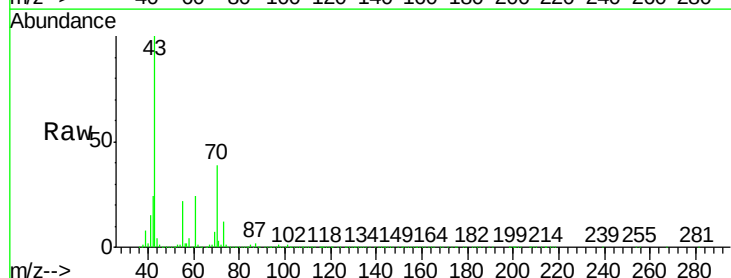
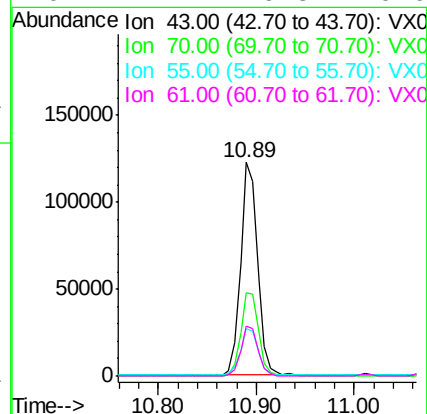
Ion Ratio Lower Upper

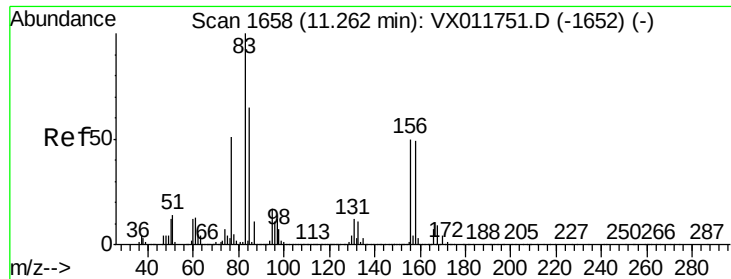
43 100

70 40.6 34.8 52.2

55 22.7 19.5 29.3

61 24.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.876 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

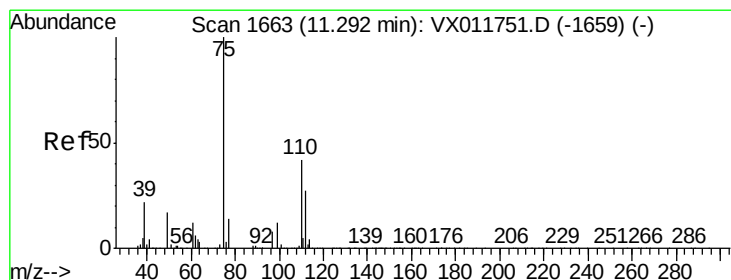
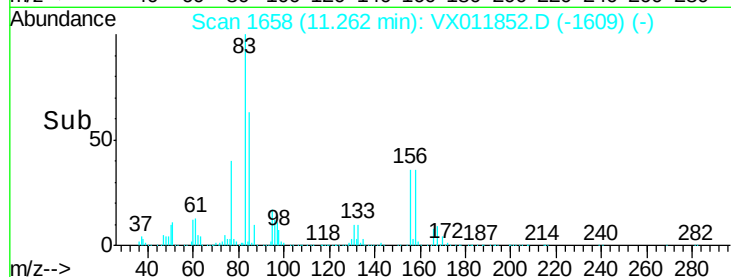
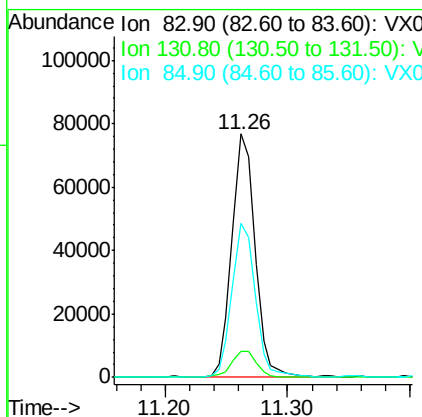
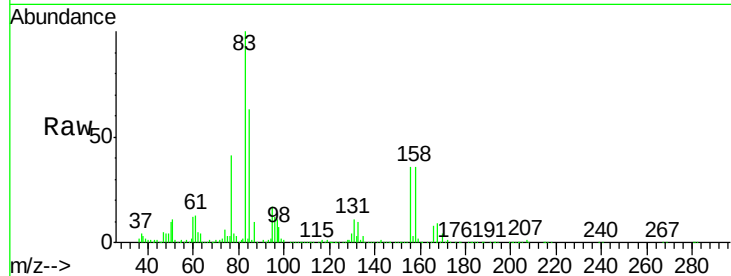
ClientSampleId :

VX0827MBS01

Tot Ion:	83	Resp:	99765
Ion Ratio	Lower	Upper	
83	100		
131	11.4	6.1	18.3
85	63.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 21.045 ug/l m

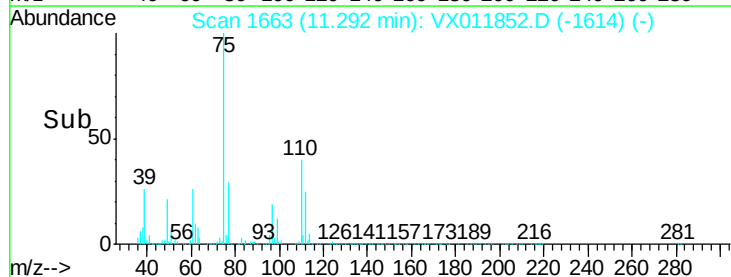
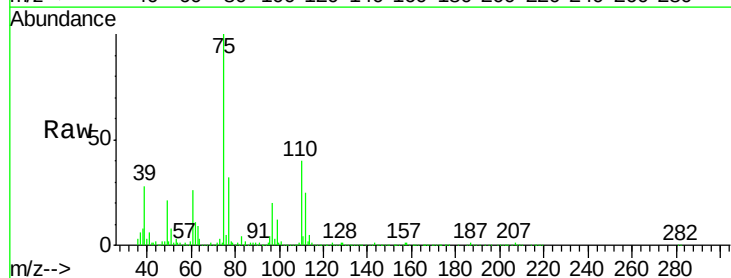
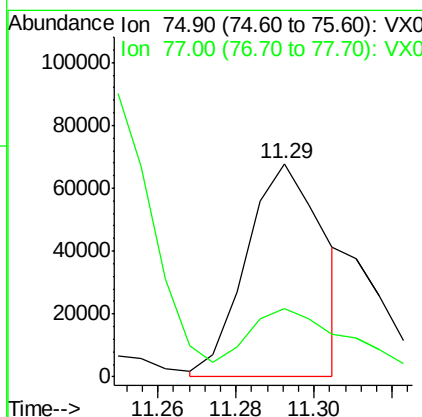
RT: 11.29 min Scan# 1663

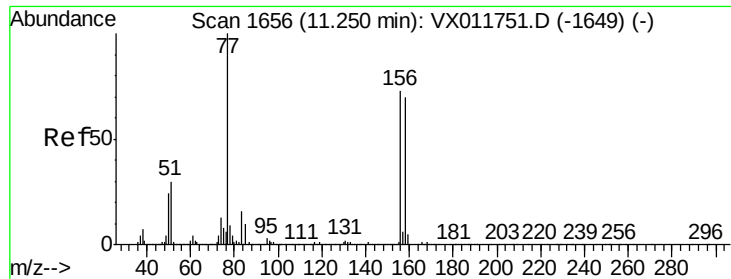
Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	75	Resp:	92923
Ion Ratio	Lower	Upper	
75	100		
77	41.9	21.1	63.3





#77

Bromobenzene

Concen: 18.787 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

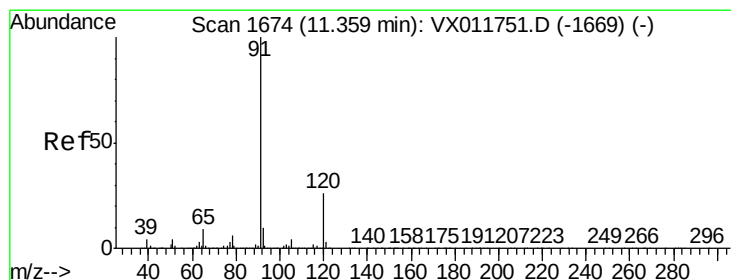
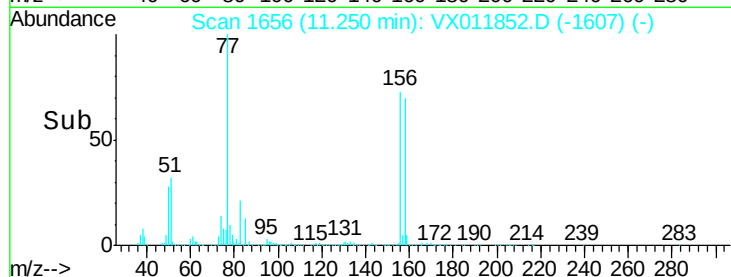
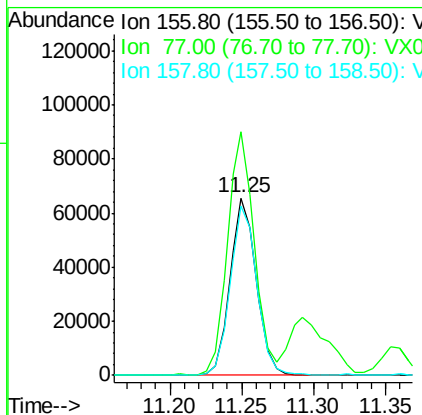
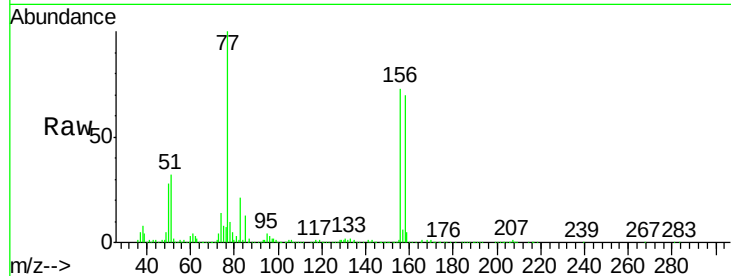
ClientSampleId :

VX0827MBS01

Tot Ion:	156	Resp:	83986
Ion Ratio	Lower	Upper	
156	100		
77	139.7	65.3	196.0
158	96.3	48.4	145.0

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8/28/2019 11:44:22 AM



#78

n-propylbenzene

Concen: 20.410 ug/l

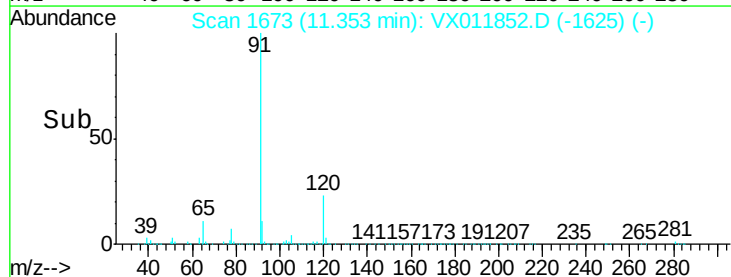
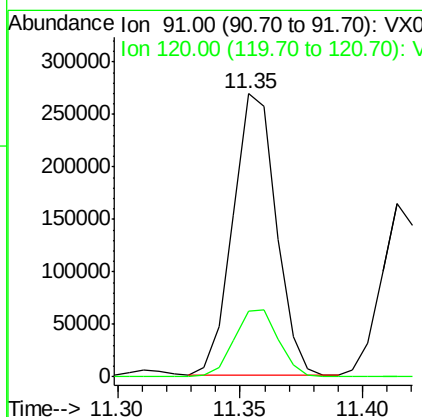
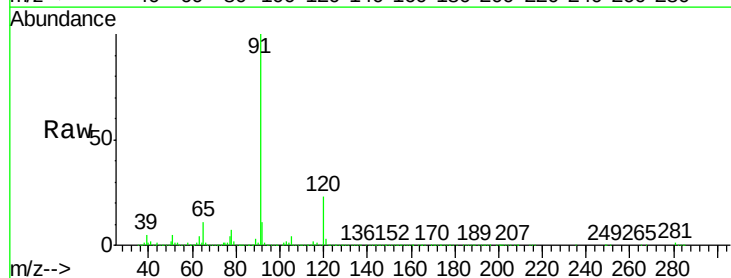
RT: 11.35 min Scan# 1673

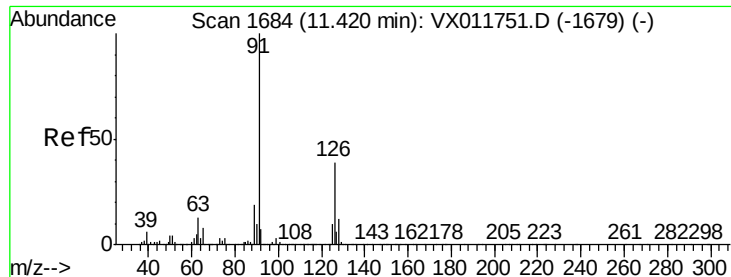
Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	91	Resp:	330945
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.7	38.1





#79

2-Chlorotoluene

Concen: 19.791 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0827MBS01

Tot Ion: 91 Resp: 199650

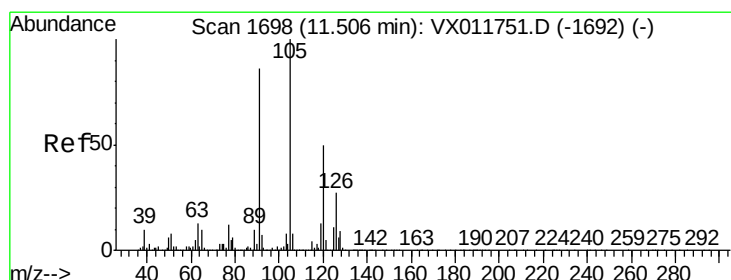
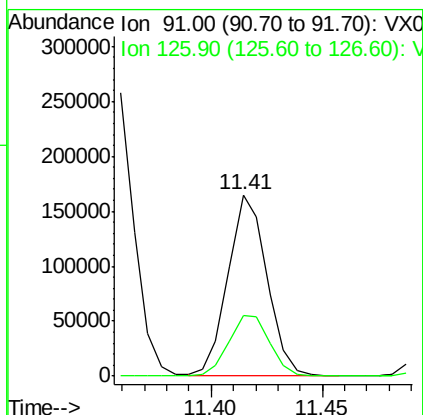
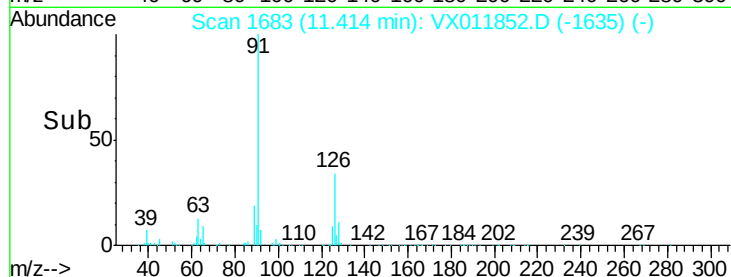
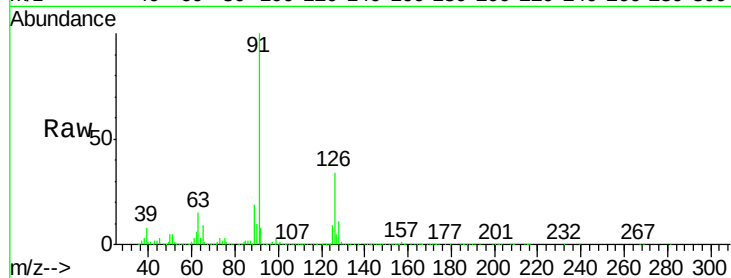
Ion Ratio Lower Upper

91 100

126 35.5 18.6 55.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.316 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX011852.D

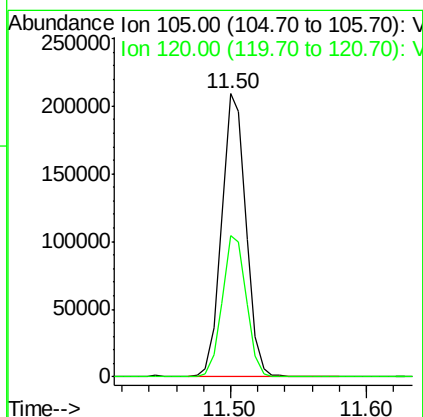
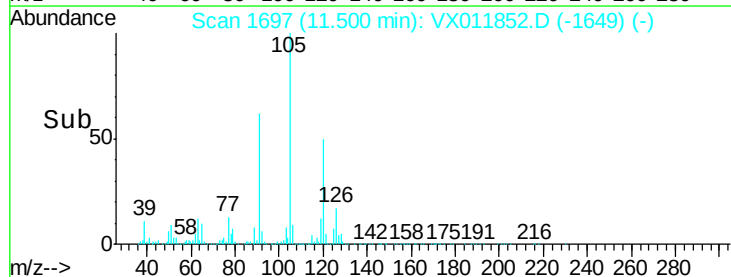
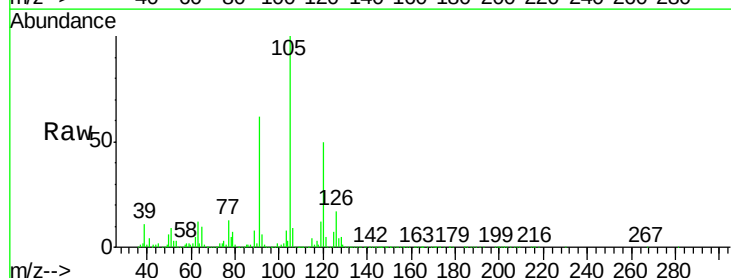
Acq: 27 Aug 2019 16:03

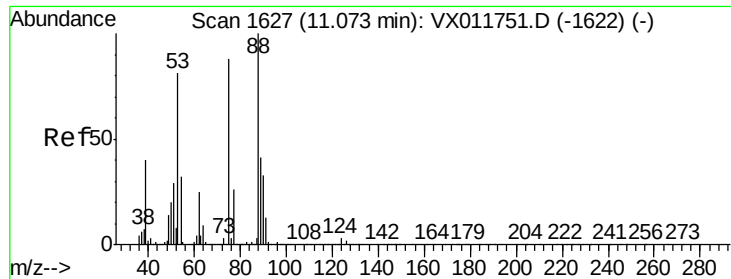
Tgt Ion: 105 Resp: 257044

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.4





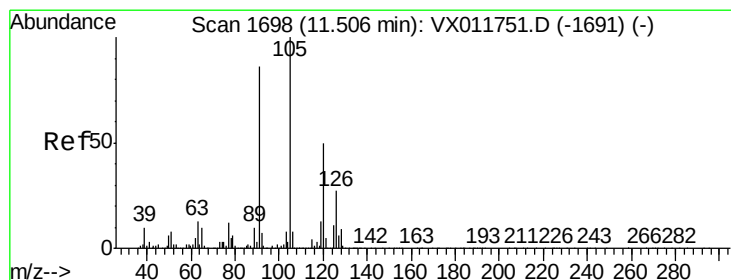
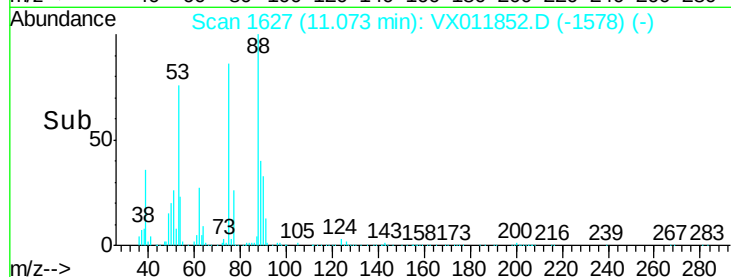
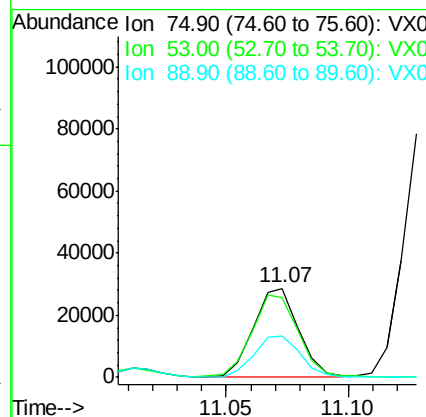
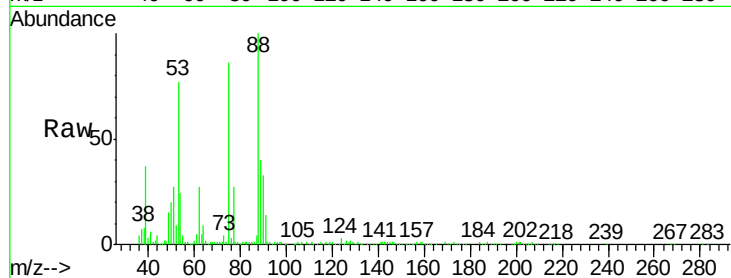
#81
trans-1,4-Dichloro-2-butene
Concen: 25.157 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	77.1	115.7
89	48.4	38.5	57.7

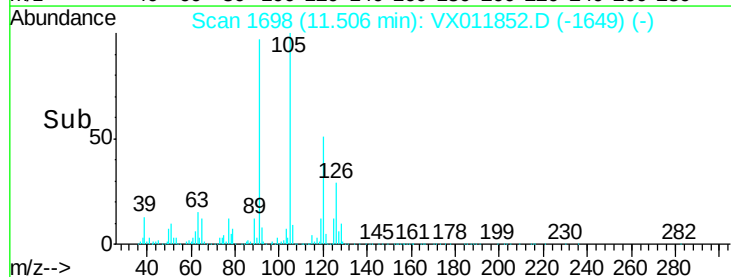
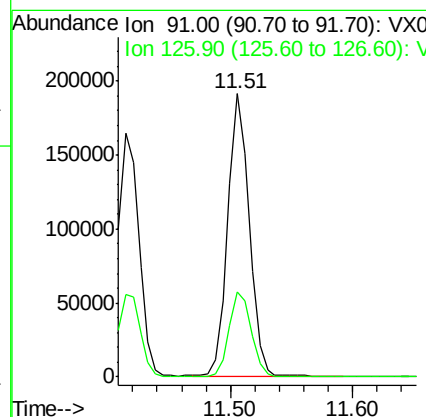
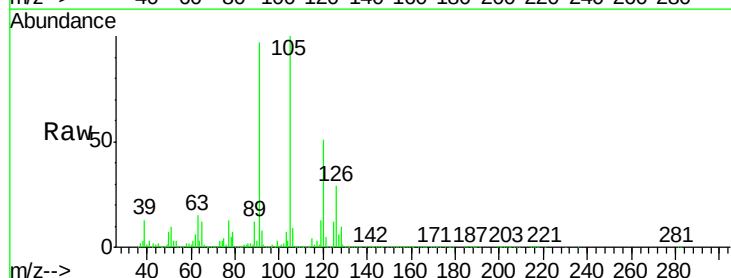
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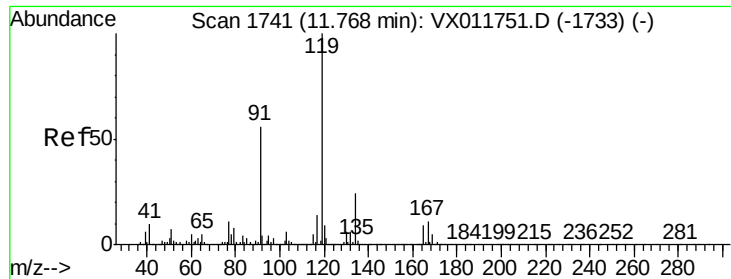
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#82
4-Chlorotoluene
Concen: 19.936 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	16.2	48.6





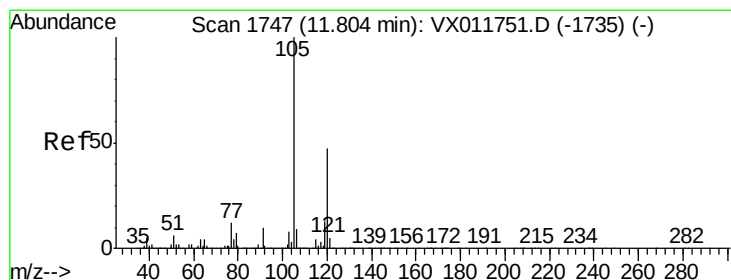
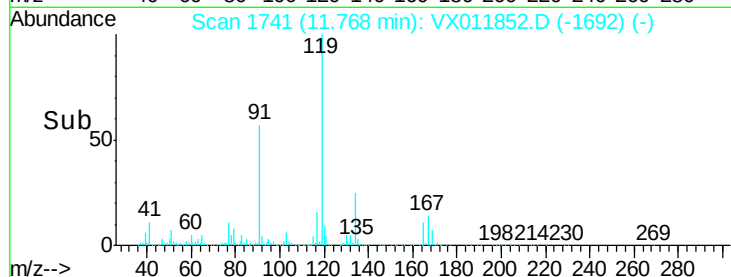
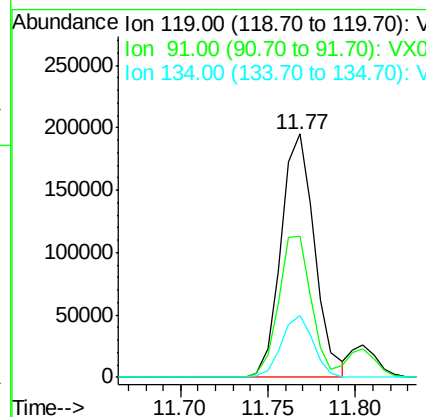
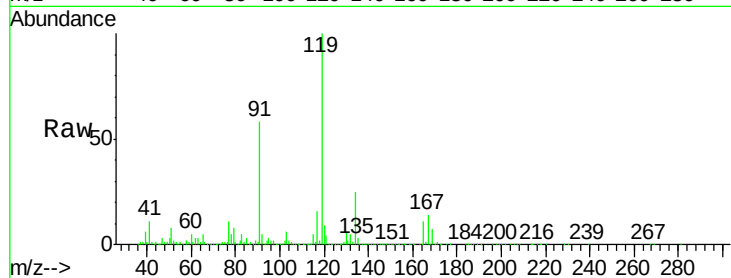
#83
tert-Butylbenzene
Concen: 20.854 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.0	27.7	83.1
134	24.1	11.8	35.3

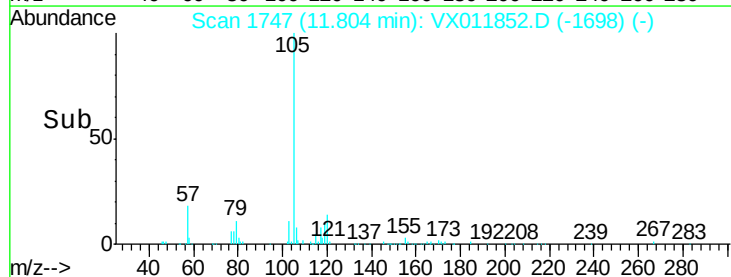
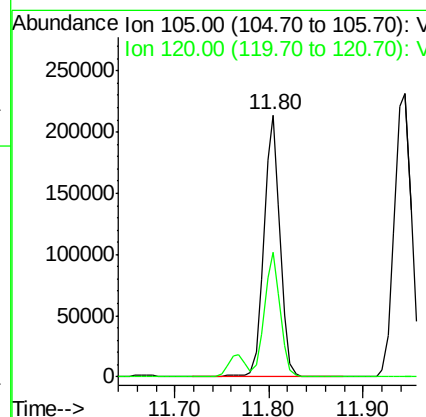
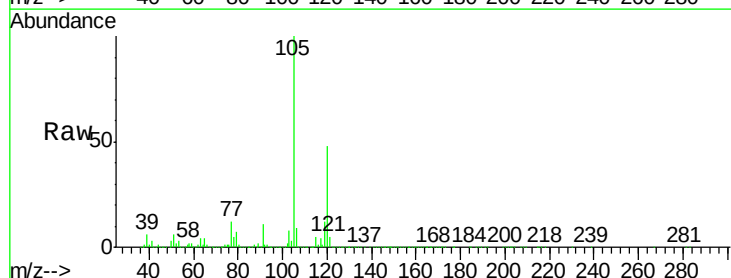
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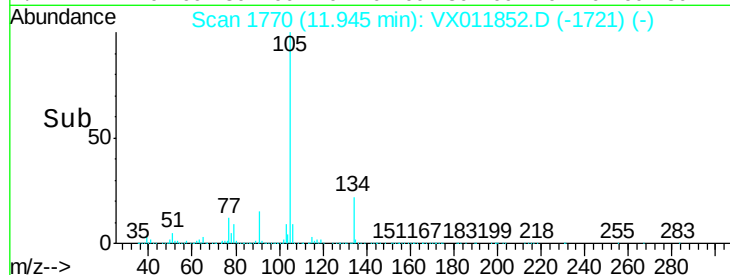
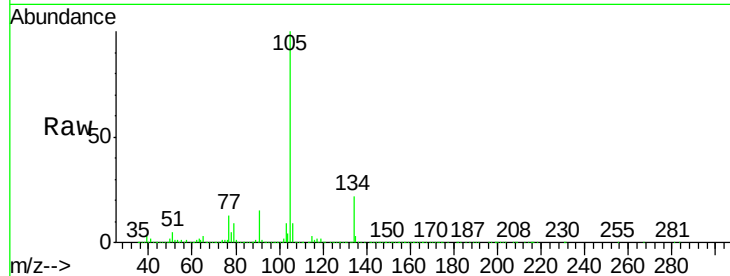
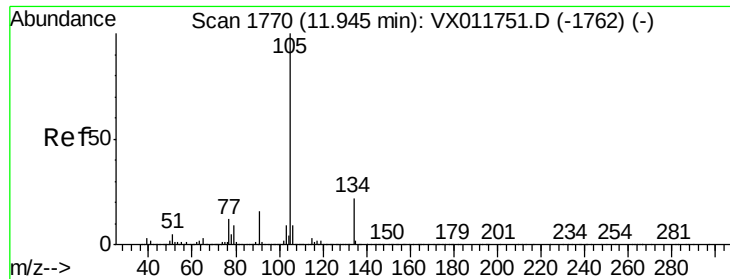
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#84
1,2,4-Trimethylbenzene
Concen: 20.152 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.7	71.1





#85

sec-Butylbenzene

Concen: 20.534 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tot Ion:105 Resp: 293206

Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.3

Instrument :

MSVOA_X

ClientSampled :

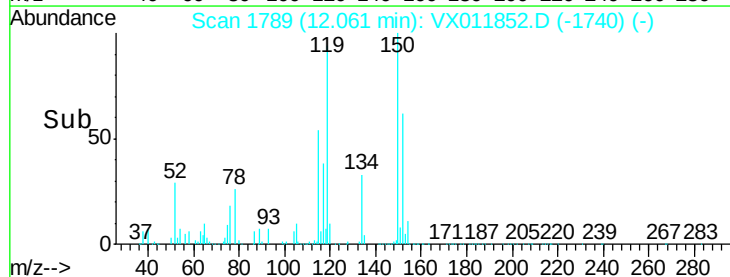
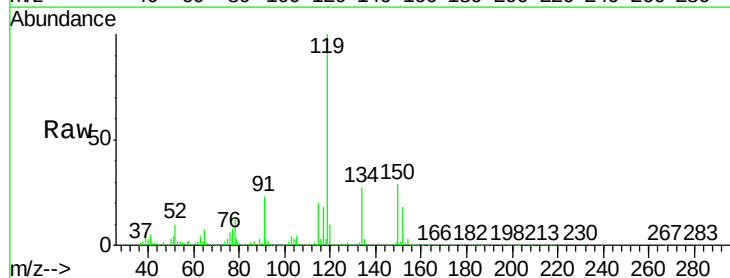
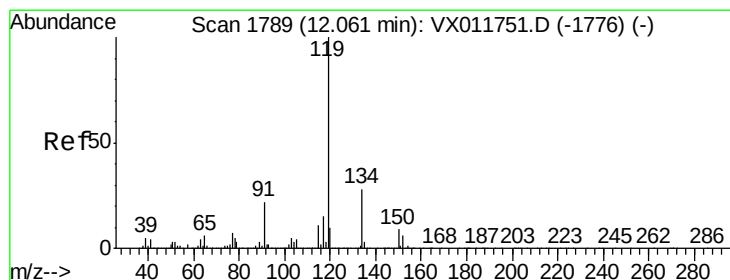
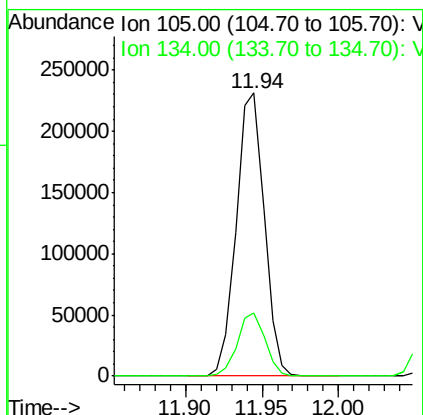
VX0827MBS01

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.058 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

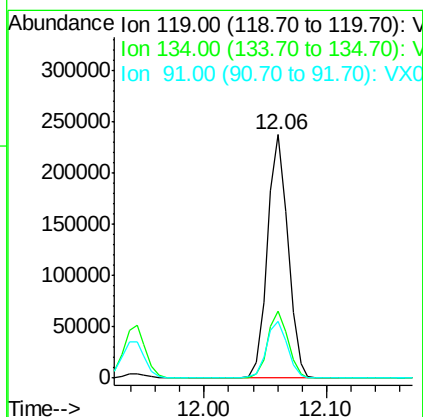
Tgt Ion:119 Resp: 275571

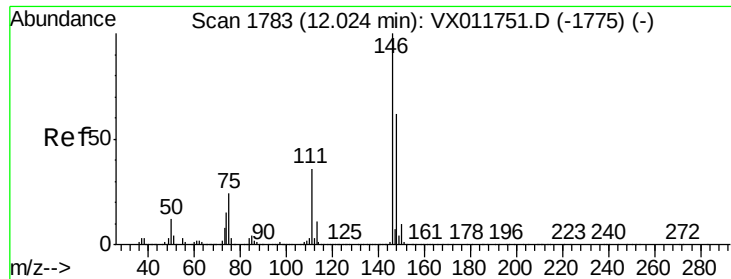
Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 23.6 11.1 33.3





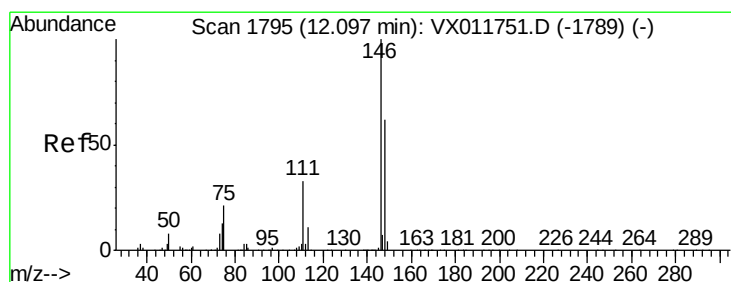
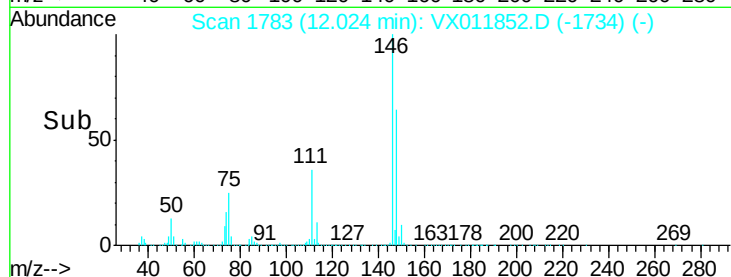
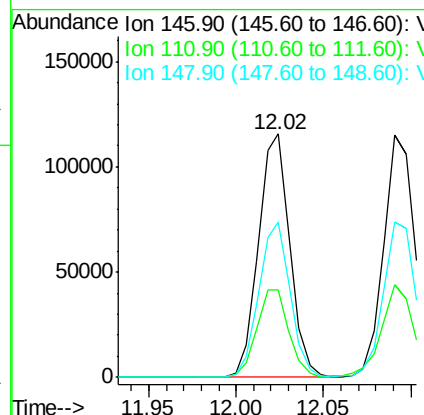
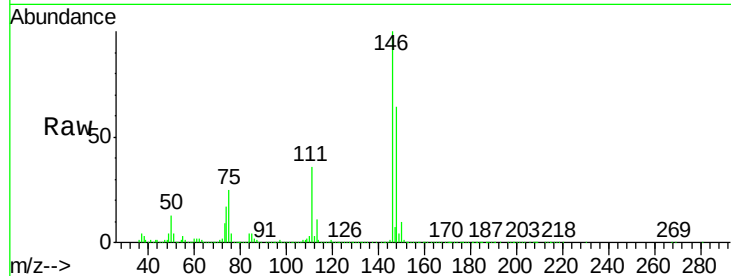
#87
 1,3-Dichlorobenzene
 Concen: 18.811 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	63.9	31.6	94.7

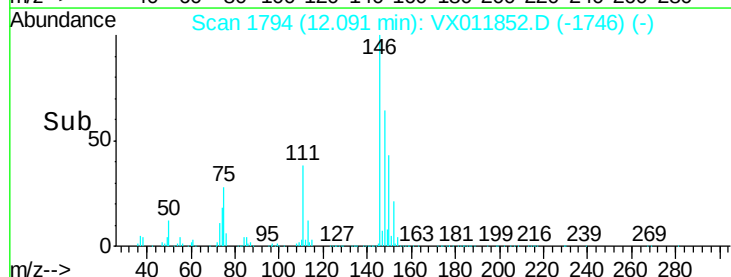
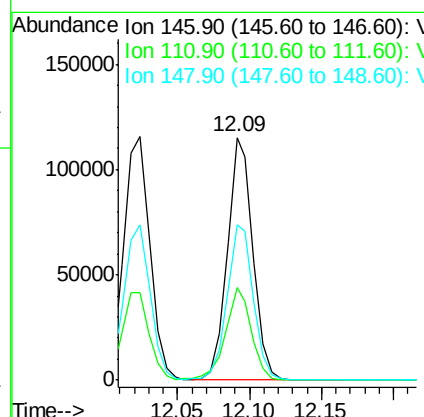
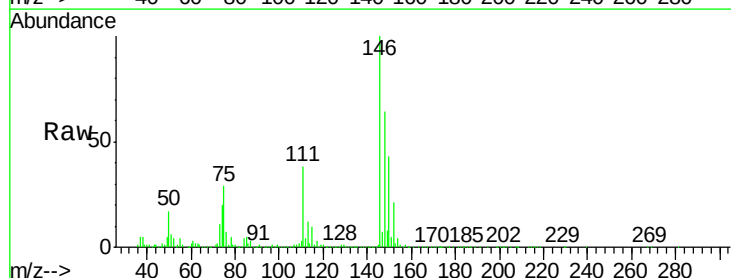
Manual Integrations
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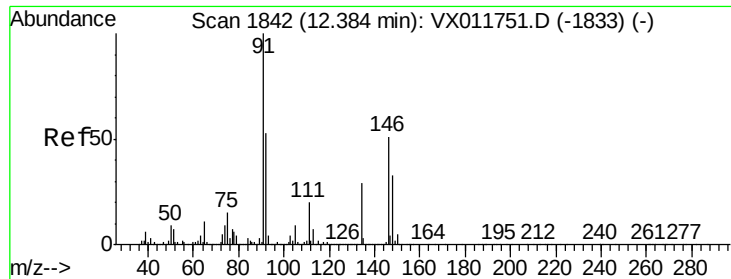
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#88
 1,4-Dichlorobenzene
 Concen: 18.289 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	17.8	53.4
148	66.0	31.9	95.7





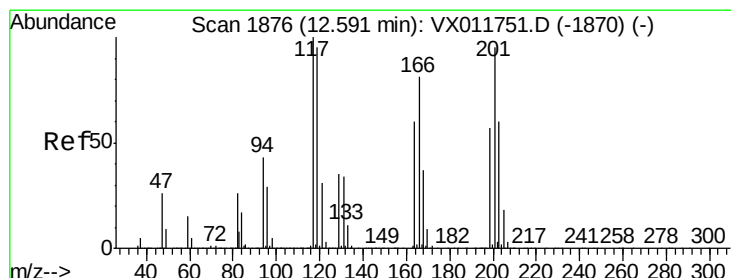
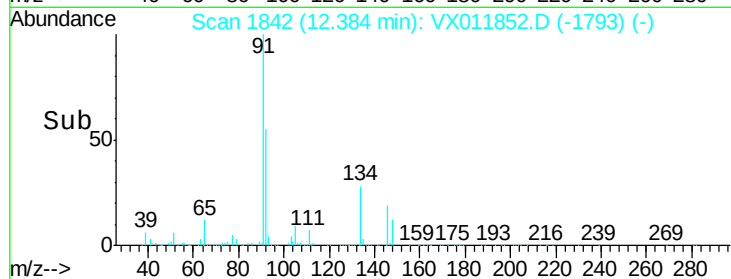
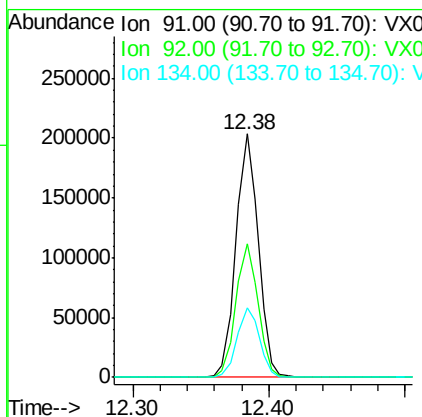
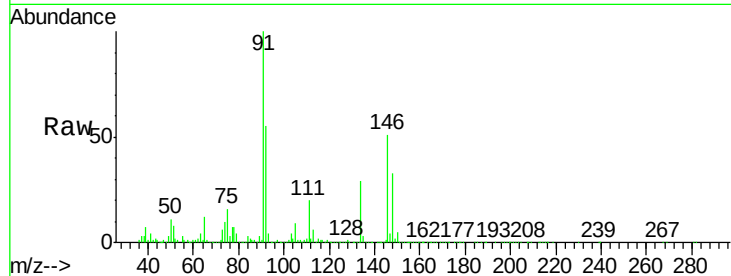
#89
n-Butylbenzene
Concen: 20.339 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0827MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.7	80.0
134	28.8	14.6	43.8

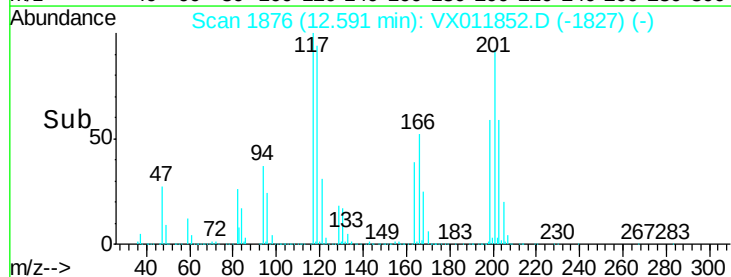
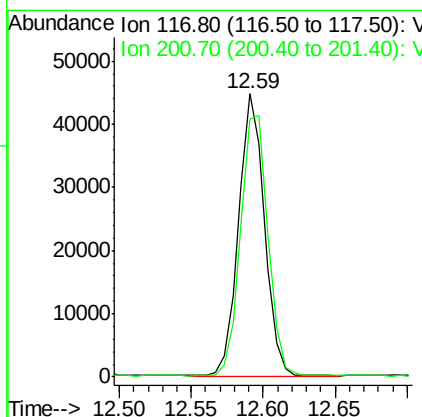
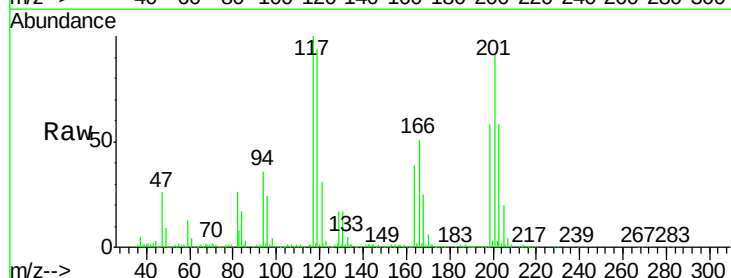
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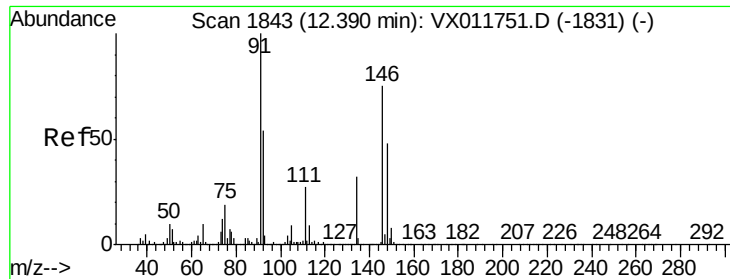
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#90
Hexachloroethane
Concen: 26.051 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011852.D
Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	49.6	149.0





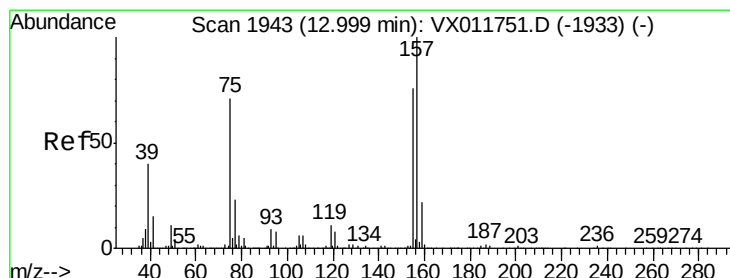
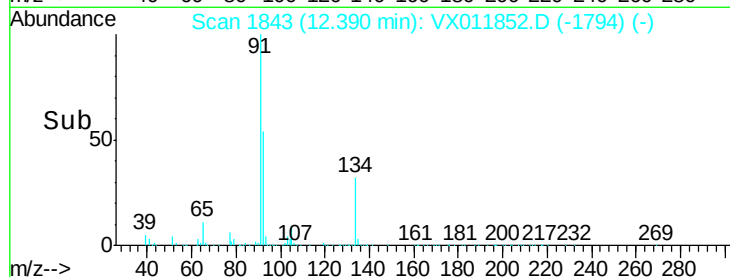
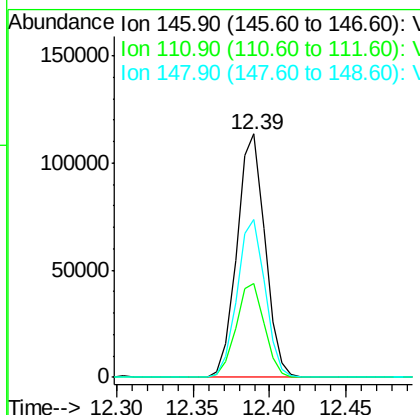
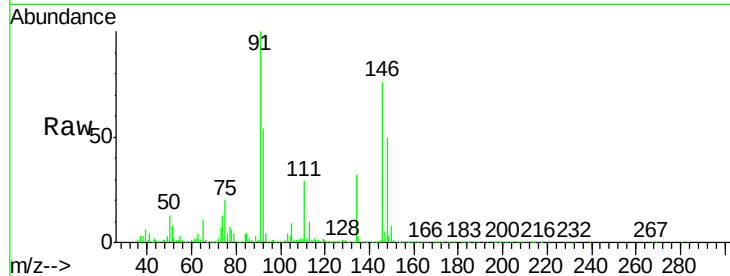
#91
 1,2-Dichlorobenzene
 Concen: 18.477 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.4
148	64.8	31.6	95.0

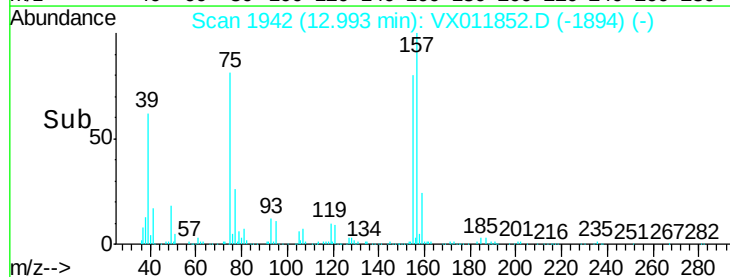
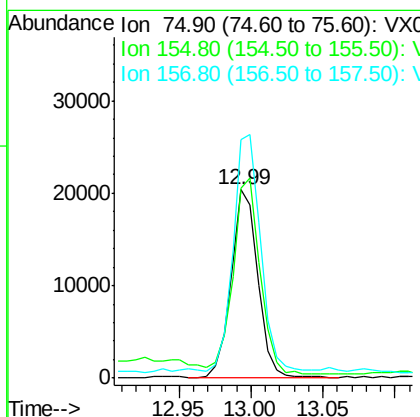
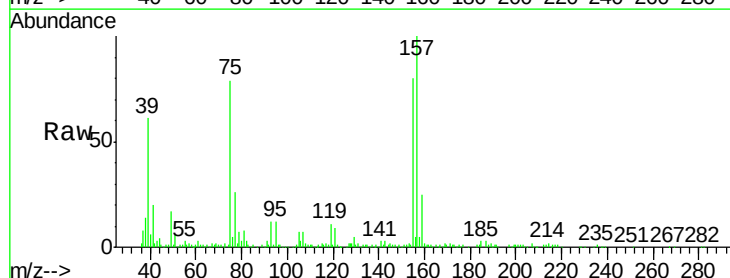
Manual Integrations
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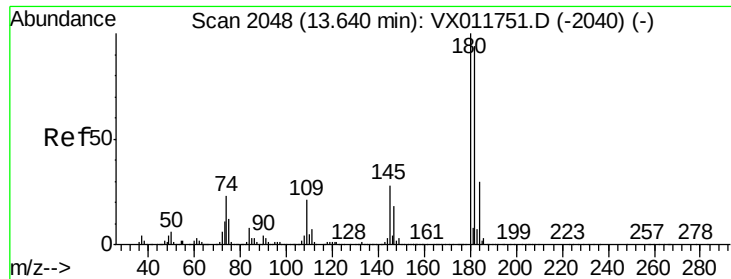
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.972 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	52.6	157.9
157	126.1	68.3	204.9





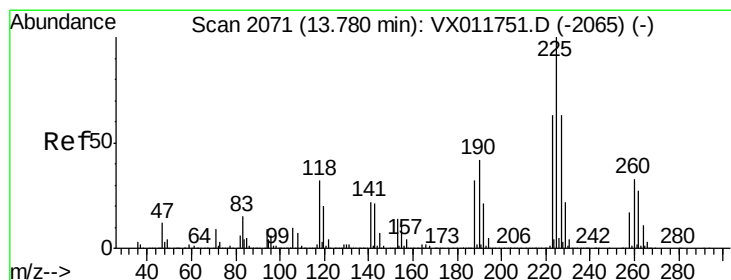
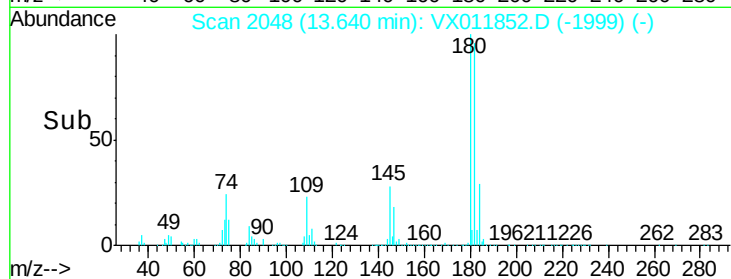
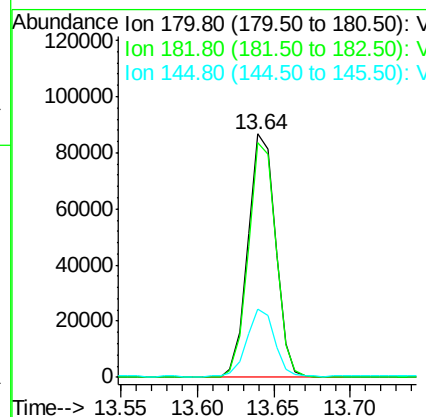
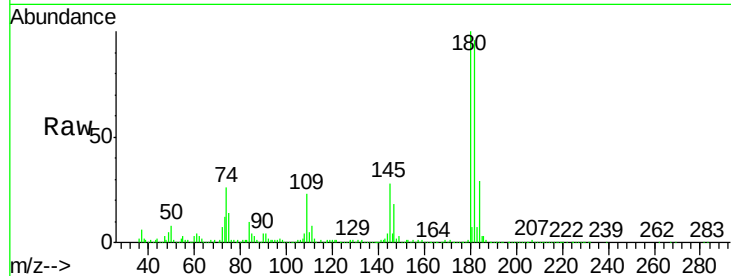
#93
 1,2,4-Trichlorobenzene
 Concen: 18.980 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108406		
182	96.7	47.8	143.4	
145	27.6	14.1	42.3	

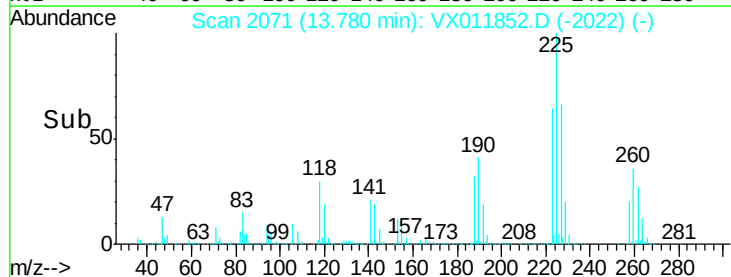
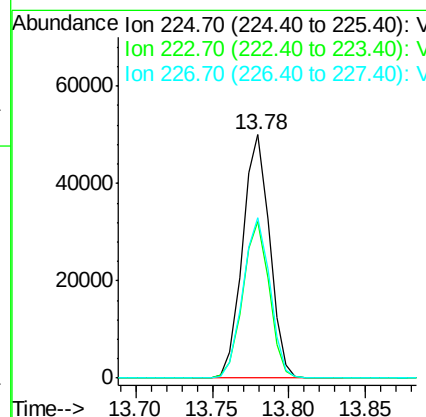
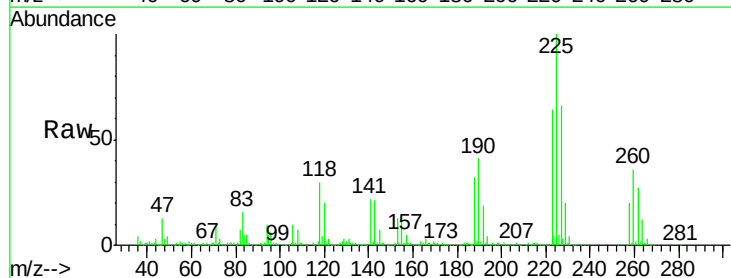
Manual Integrations
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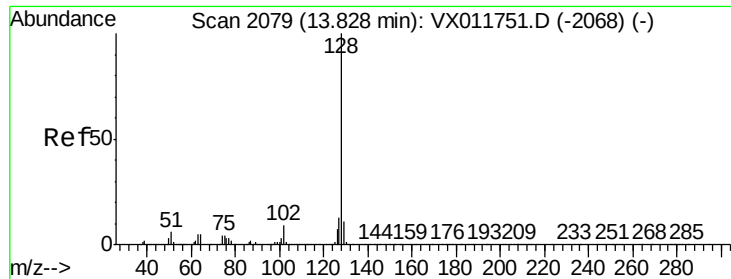
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#94
 Hexachlorobutadiene
 Concen: 19.586 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011852.D
 Acq: 27 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61300		
223	62.8	31.0	93.0	
227	66.3	31.8	95.3	





#95

Naphthalene

Concen: 20.842 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Instrument :

MSVOA_X

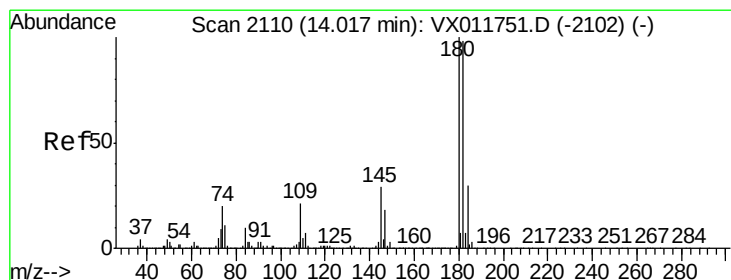
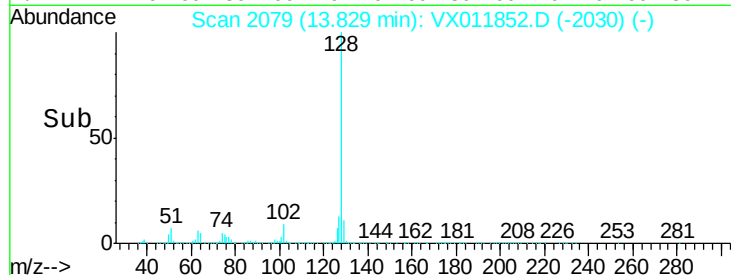
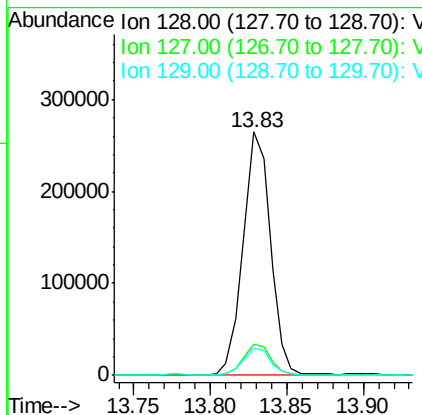
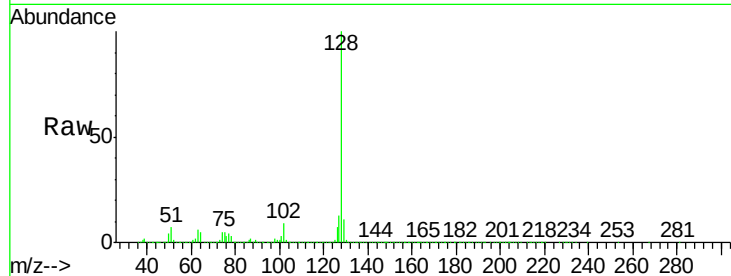
ClientSampleId :

VX0827MBS01

Tot Ion:	128	Resp:	327859
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/28/2019 11:44:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.579 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011852.D

Acq: 27 Aug 2019 16:03

Tgt Ion:	180	Resp:	112286
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.5	145.5
145	29.3	14.6	43.8

