

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010319\
 Data File : VX006906.D
 Acq On : 03 Jan 2019 20:18
 Operator : JC/MD
 Sample : K1032-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 10:01:33 AM

Quant Time: Jan 04 05:56:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	509809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	775368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	693441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	350016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	278745	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	5.51	113	259398	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	8.71	98	928902	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.14	95	330100	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	177415	38.040	ug/l	99
3) Chloromethane	1.33	50	206862	41.170	ug/l	98
4) Vinyl Chloride	1.41	62	532152	101.406	ug/l	98
5) Bromomethane	1.64	94	230586	46.969	ug/l	97
6) Chloroethane	1.71	64	154500	42.520	ug/l	98
7) Trichlorofluoromethane	1.92	101	387695	47.386	ug/l	96
8) Diethyl Ether	2.19	74	157771	48.550	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	219312	45.653	ug/l	99
10) Methyl Iodide	2.51	142	348018	50.610	ug/l	100
11) Tert butyl alcohol	3.08	59	295732	241.173	ug/l	99
12) 1,1-Dichloroethene	2.37	96	212280	46.604	ug/l	98
13) Acrolein	2.30	56	144017	174.098	ug/l	98
14) Allyl chloride	2.73	41	378162	49.322	ug/l	99
15) Acrylonitrile	3.15	53	722655	265.429	ug/l	100
16) Acetone	2.45	43	663313	262.766	ug/l	99
17) Carbon Disulfide	2.57	76	458966	38.075	ug/l	100
18) Methyl Acetate	2.78	43	414434	55.833	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	819148	54.183	ug/l	98
20) Methylene Chloride	2.85	84	250846	48.056	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	257081	50.938	ug/l	96
22) Diisopropyl ether	3.87	45	749009	53.399	ug/l	94
23) Vinyl Acetate	3.82	43	2780257	242.324	ug/l	100
24) 1,1-Dichloroethane	3.70	63	413300	49.360	ug/l	99
25) 2-Butanone	4.70	43	889574	250.527	ug/l	99
26) 2,2-Dichloropropane	4.58	77	262966	40.657	ug/l	77
27) cis-1,2-Dichloroethene	4.60	96	1036900	186.213	ug/l	93
28) Bromochloromethane	5.02	49	196980	56.030	ug/l	99
29) Tetrahydrofuran	5.15	42	600321	256.693	ug/l	97
30) Chloroform	5.21	83	443345	51.130	ug/l	98
31) Cyclohexane	5.57	56	319979	42.064	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	363836	49.694	ug/l	98
36) 1,1-Dichloropropene	5.79	75	298166	46.430	ug/l	100
37) Ethyl Acetate	4.86	43	325912	48.760	ug/l	99
38) Carbon Tetrachloride	5.78	117	311788	49.958	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	333709	39.471	ug/l	99
40) Benzene	6.14	78	955337	48.941	ug/l	99
41) Methacrylonitrile	5.06	41	194821	54.900	ug/l	99
42) 1,2-Dichloroethane	6.20	62	333145	50.085	ug/l	99
43) Isopropyl Acetate	6.46	43	542954	53.388	ug/l	99
44) Trichloroethene	7.21	130	279649	47.333	ug/l	97
45) 1,2-Dichloropropane	7.51	63	249025	52.424	ug/l	97
46) Dibromomethane	7.66	93	173393	49.625	ug/l	96
47) Bromodichloromethane	7.90	83	312129	53.807	ug/l	96
48) Methyl methacrylate	7.77	41	281818	54.492	ug/l	98
49) 1,4-Dioxane	7.76	88	119485	880.640	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1752406	270.816	ug/l	100
52) Toluene	8.79	92	616872	48.916	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	338421	54.396	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	364269	53.361	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	271996	52.693	ug/l	100
56) Ethyl methacrylate	9.18	69	390257	53.492	ug/l	96
57) 1,3-Dichloropropane	9.37	76	422444	50.867	ug/l	99
59) 2-Hexanone	9.49	43	1318606	266.334	ug/l	99
60) Dibromochloromethane	9.59	129	272188	50.398	ug/l	99
61) 1,2-Dibromoethane	9.67	107	286074	52.135	ug/l	100
64) Tetrachloroethene	9.34	164	260236	47.393	ug/l	97
65) Chlorobenzene	10.14	112	725572	49.458	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	260875	56.996	ug/l	99
67) Ethyl Benzene	10.25	91	1172247	48.900	ug/l	98
68) m/p-Xylenes	10.36	106	925150	97.802	ug/l	100
69) o-Xylene	10.70	106	455103	48.721	ug/l	98
70) Styrene	10.71	104	732109	49.540	ug/l	99
71) Bromoform	10.86	173	202644	49.165	ug/l	100
73) Isopropylbenzene	11.02	105	1195379	49.921	ug/l	99
74) N-amyl acetate	10.90	43	469976	54.833	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	392619	55.133	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	354469m	54.494	ug/l	
77) Bromobenzene	11.26	156	326106	50.374	ug/l	99
78) n-propylbenzene	11.36	91	1313810	49.825	ug/l	99
79) 2-Chlorotoluene	11.42	91	769646	48.164	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	985922	49.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	98067	46.230	ug/l	96
82) 4-Chlorotoluene	11.51	91	899503	49.073	ug/l	99
83) tert-Butylbenzene	11.77	119	1016096	51.475	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1005764	48.482	ug/l	100
85) sec-Butylbenzene	11.94	105	1170777	48.376	ug/l	100
86) p-Isopropyltoluene	12.07	119	1043100	49.031	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	581518	49.842	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	583569	48.791	ug/l	100
89) n-Butylbenzene	12.39	91	871745	48.148	ug/l	99
90) Hexachloroethane	12.60	117	160330	48.275	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	580391	49.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	80004	54.295	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	394694	49.025	ug/l	100

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Instrument :
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ClientSampleId :
S32-0645MSD

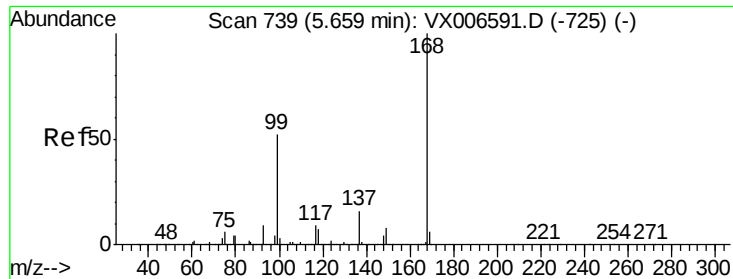
Manual Integrations
APPROVED

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1/4/2019 10:01:33 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	167109	44.038	ug/l	100
95) Naphthalene	13.83	128	1278375	49.751	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	400644	48.199	ug/l	97

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



#1

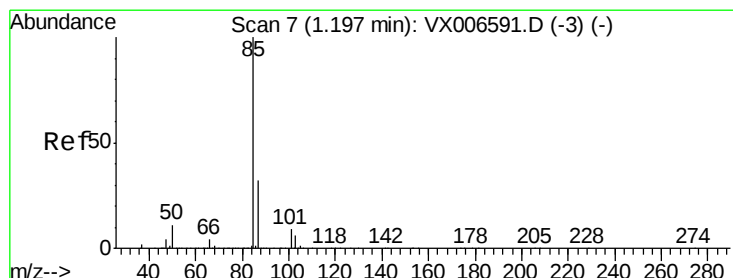
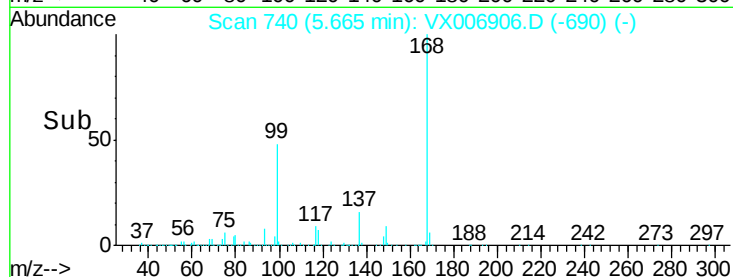
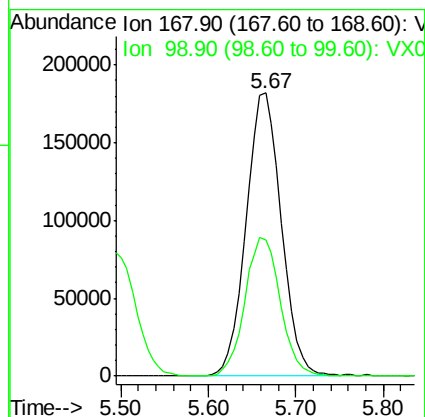
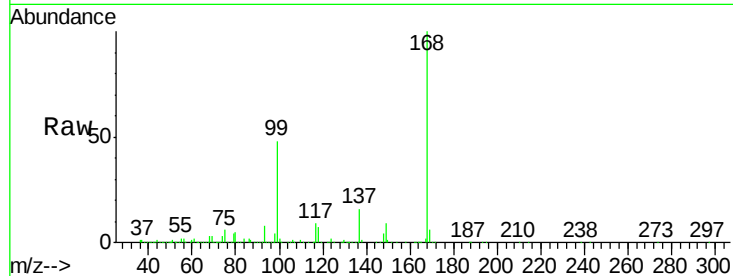
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.8	41.8	62.8

Manual Integrations
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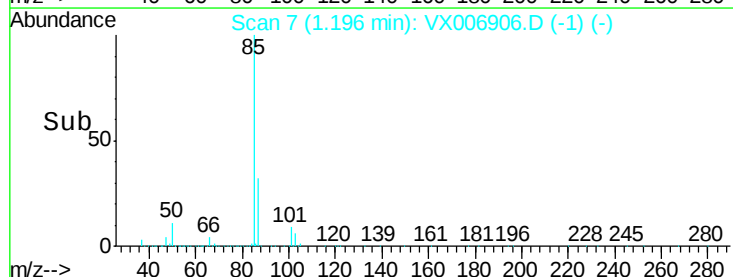
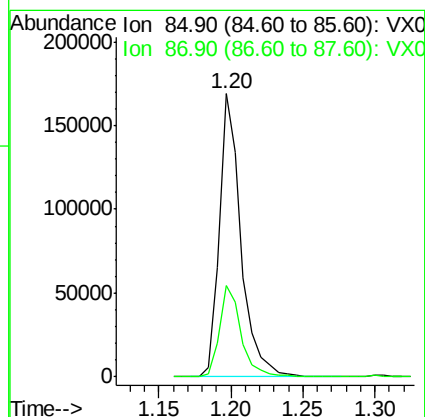
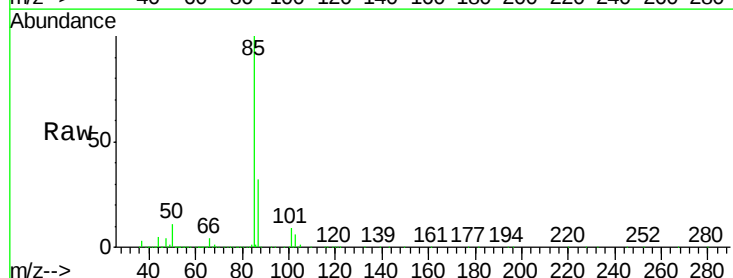
MMDadoda
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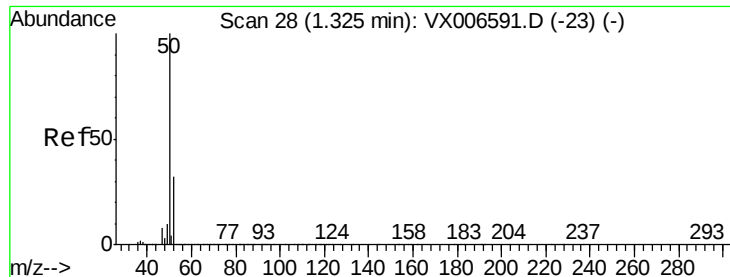


#2

Dichlorodifluoromethane
 Concen: 38.040 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.6





#3

Chloromethane

Concen: 41.170 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 50 Resp: 206862

Ion Ratio Lower Upper

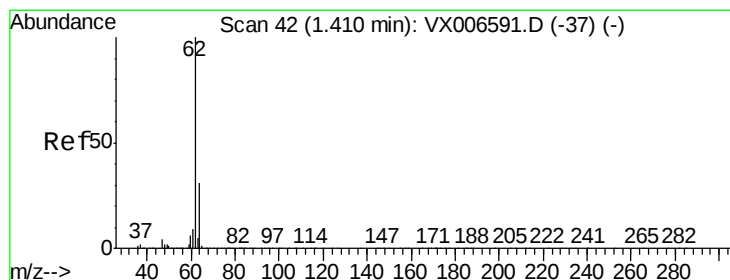
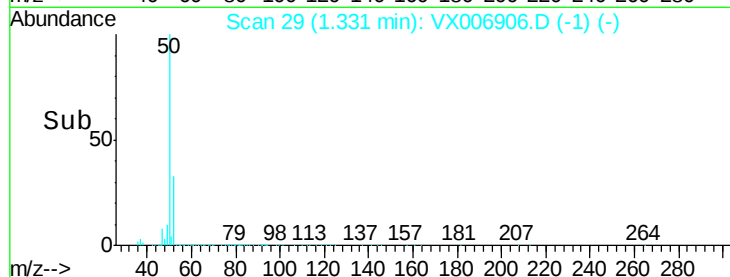
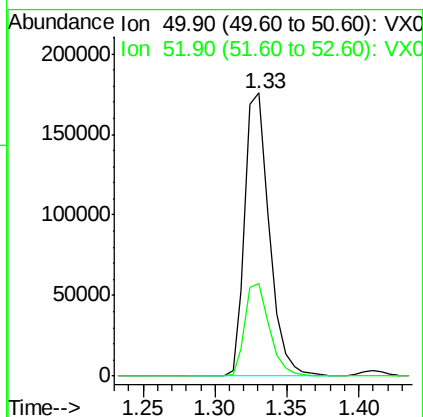
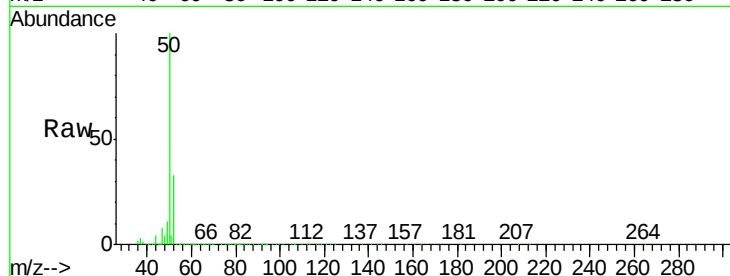
50 100

52 32.7 25.4 38.2

Manual Integrations
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1/4/2019 10:01:33 AM



#4

Vinyl Chloride

Concen: 101.406 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006906.D

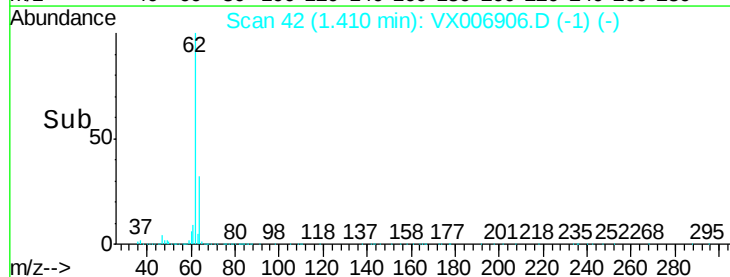
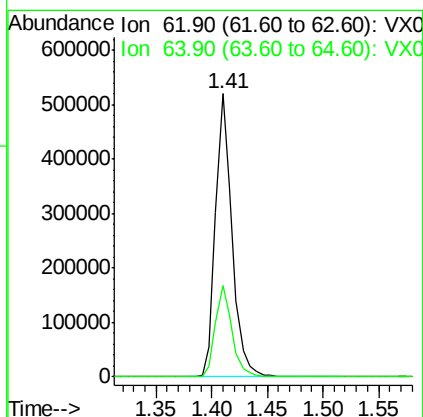
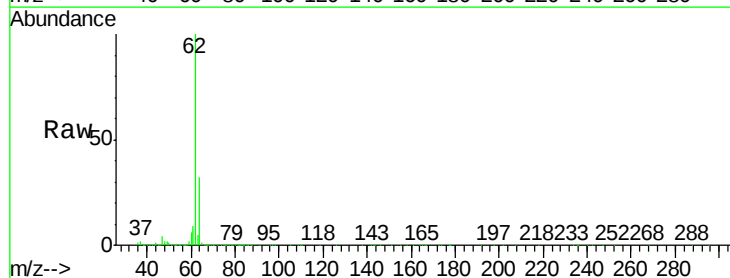
Acq: 03 Jan 2019 20:18

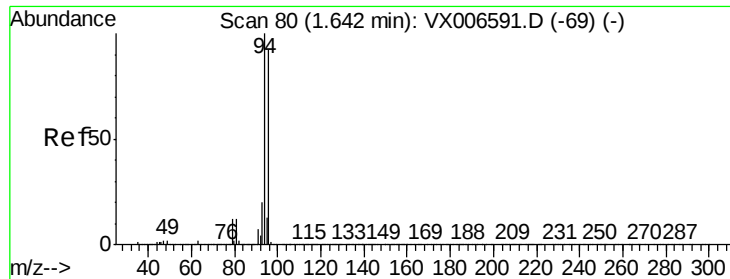
Tgt Ion: 62 Resp: 532152

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7





#5

Bromomethane

Concen: 46.969 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 94 Resp: 230586

Ion Ratio Lower Upper

94 100

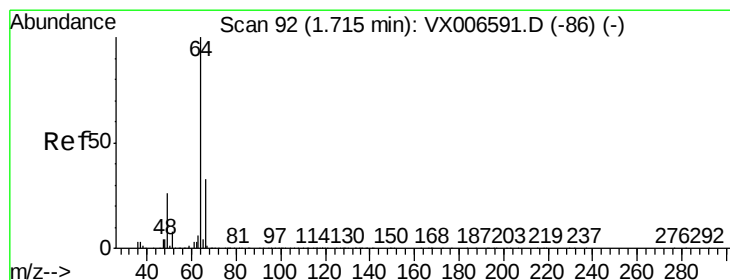
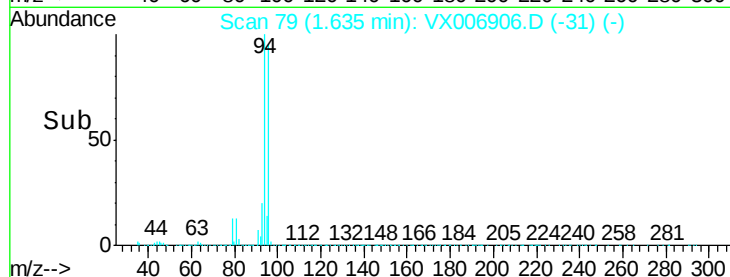
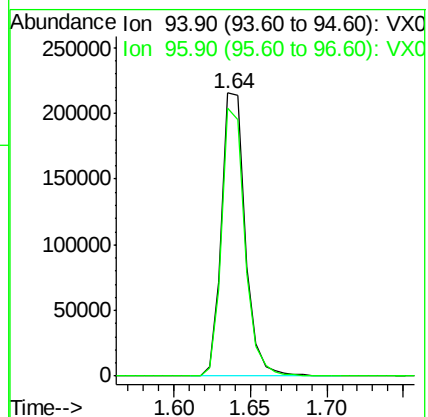
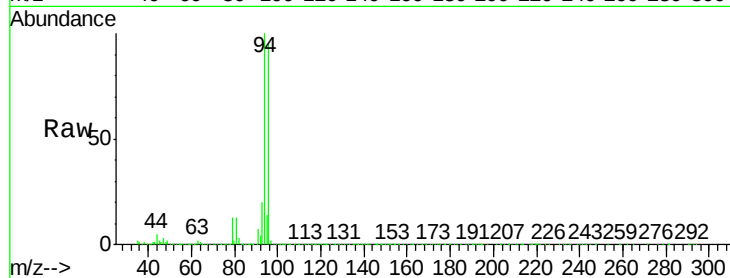
96 94.8 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 42.520 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006906.D

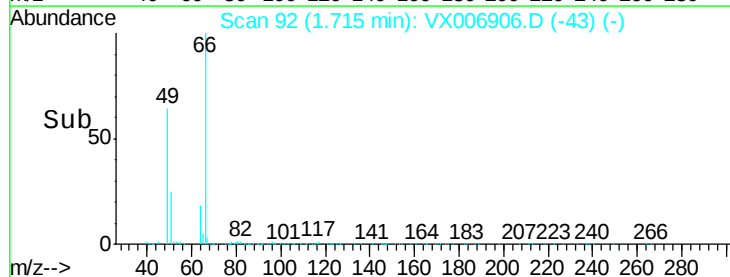
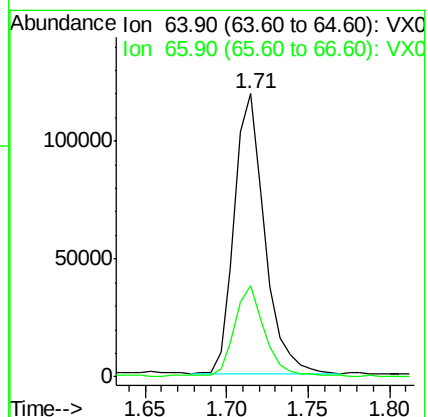
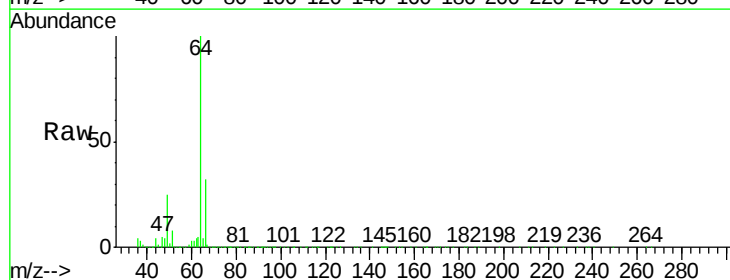
Acq: 03 Jan 2019 20:18

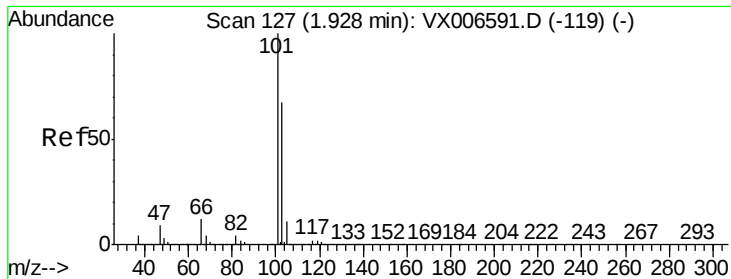
Tgt Ion: 64 Resp: 154500

Ion Ratio Lower Upper

64 100

66 32.0 26.4 39.6





#7

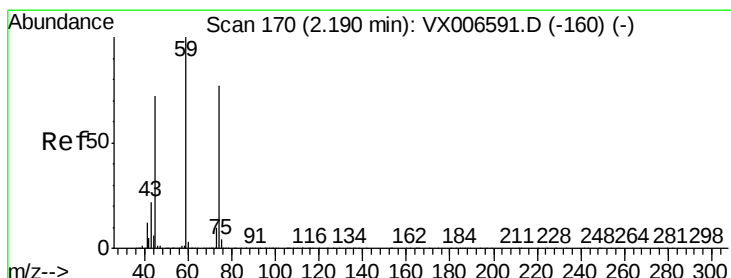
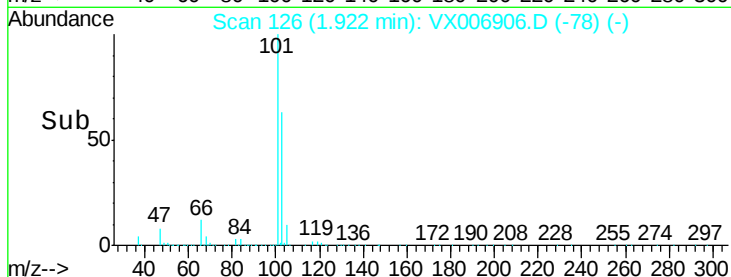
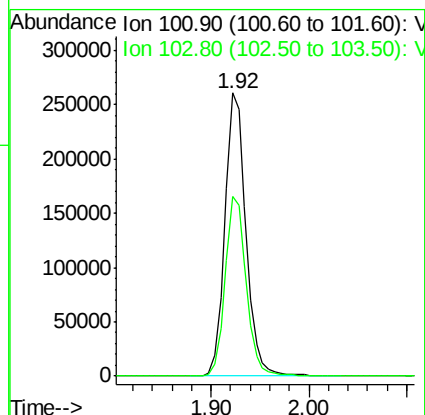
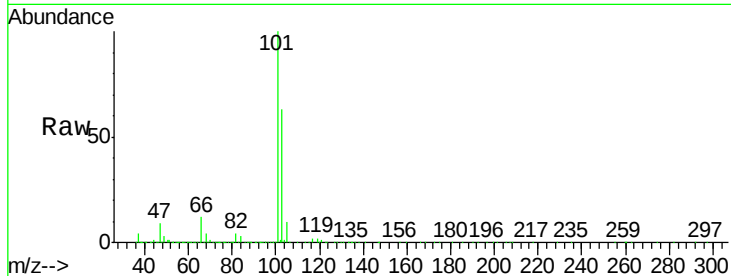
Trichlorofluoromethane
Concen: 47.386 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.2	79.8

Manual Integrations
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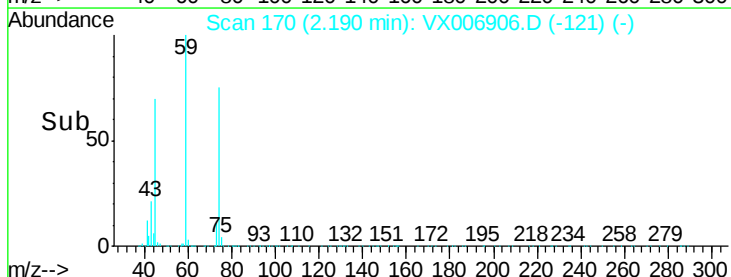
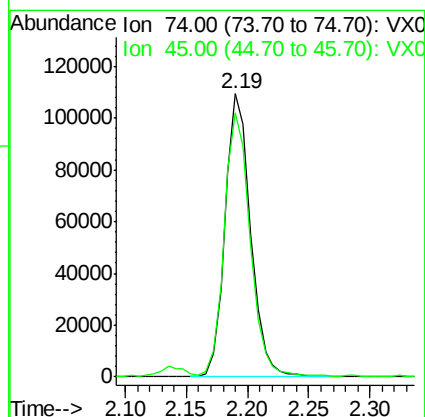
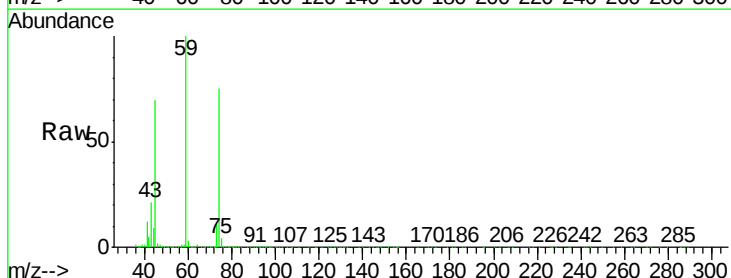
MMDadoda
1/4/2019 10:01:33 AM

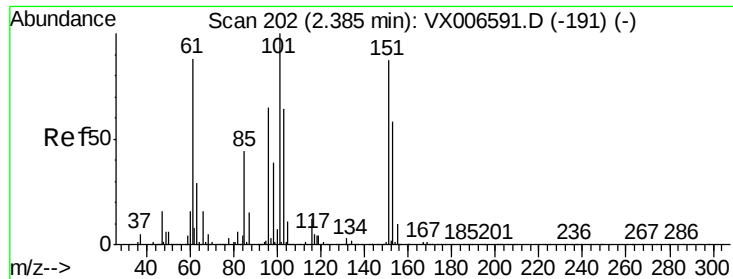


#8

Diethyl Ether
Concen: 48.550 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.653 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

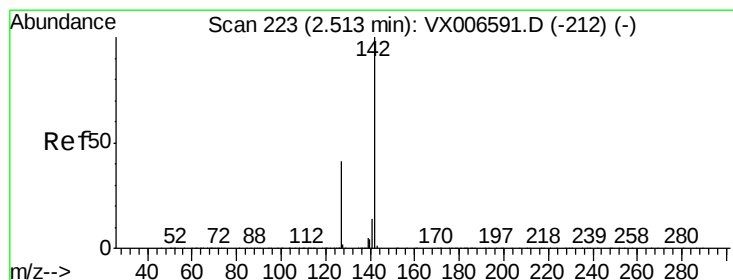
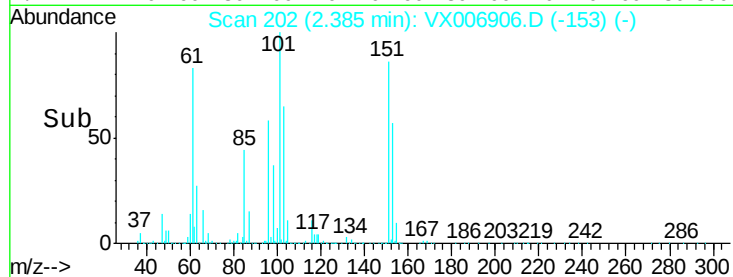
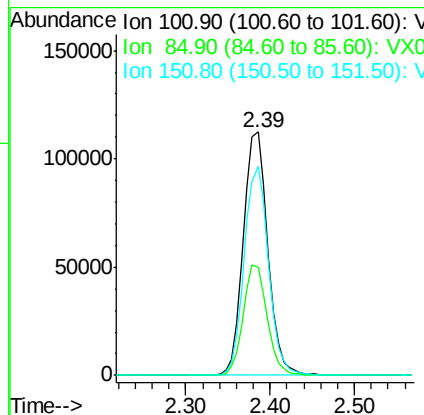
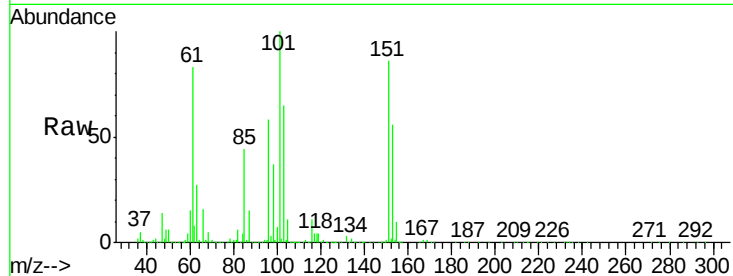
ClientSampled :

S32-0645MSD

Tot Ion:	101	Resp:	219312
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	85.3	68.9	103.3

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#10

Methyl Iodide

Concen: 50.610 ug/l

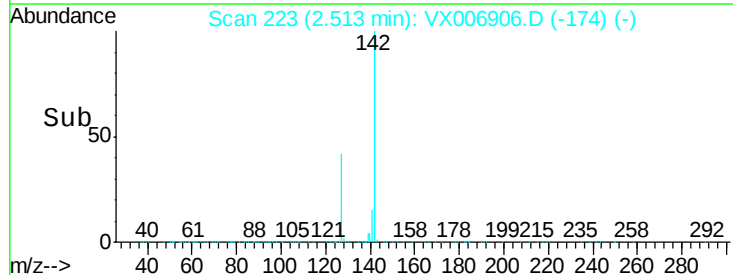
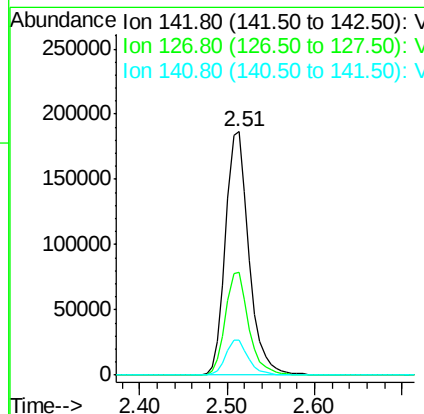
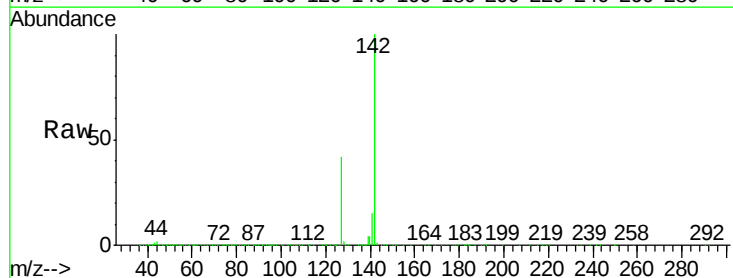
RT: 2.51 min Scan# 223

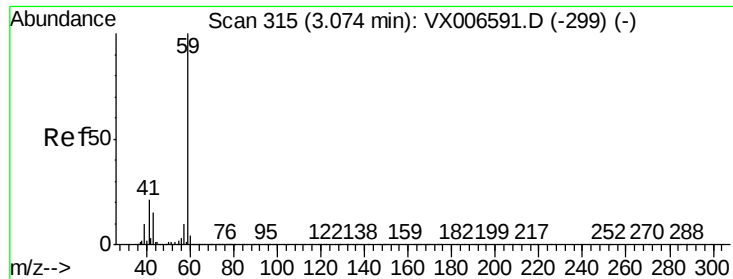
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	142	Resp:	348018
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.9	50.9
141	14.2	11.4	17.0





#11

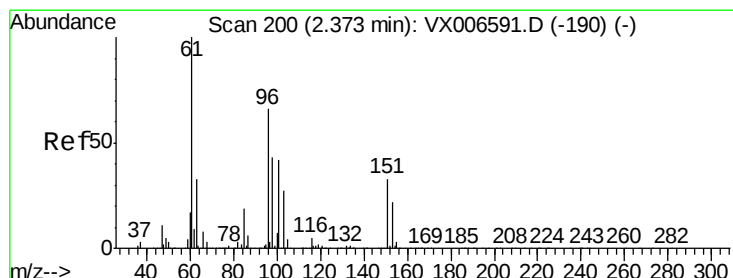
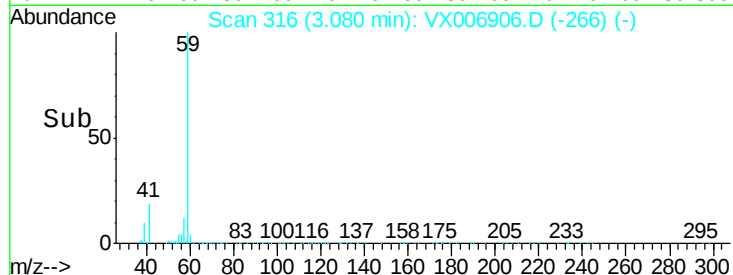
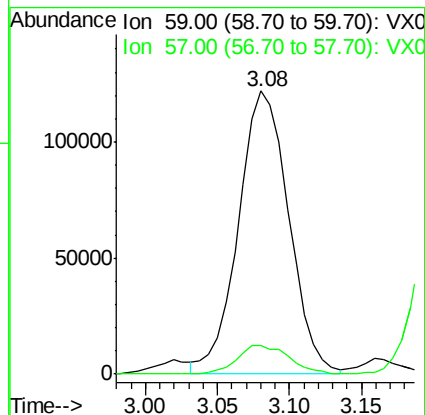
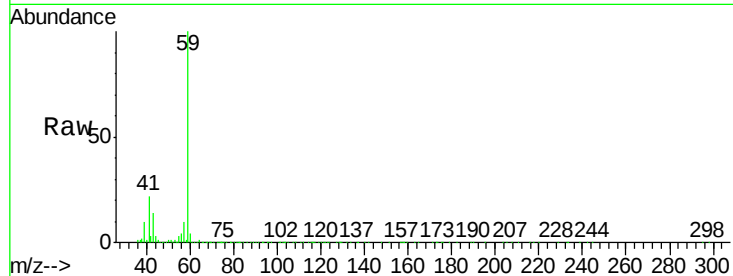
Tert butyl alcohol
Concen: 241.173 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampled :
S32-0645MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
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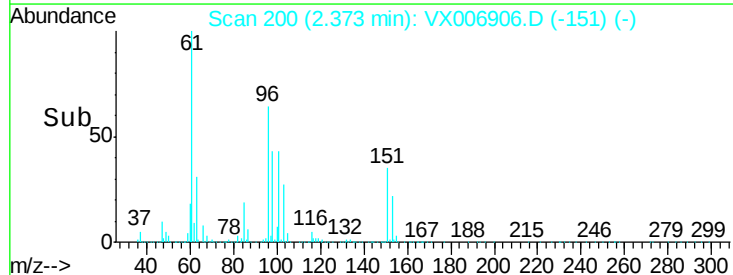
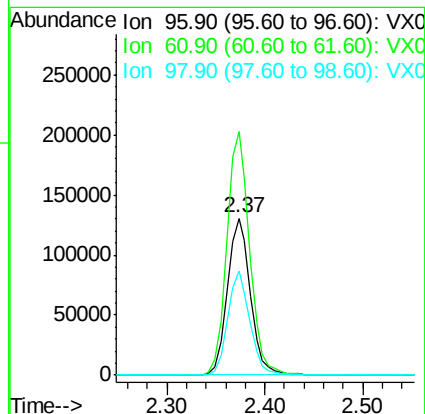
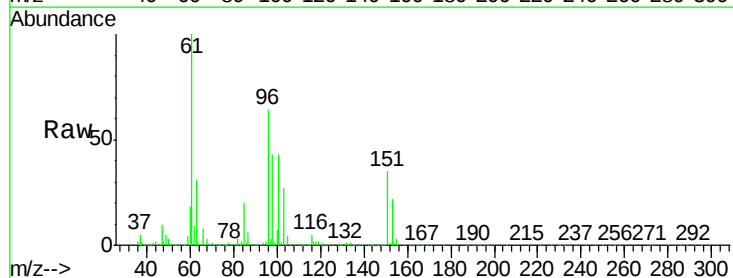
MMDadoda
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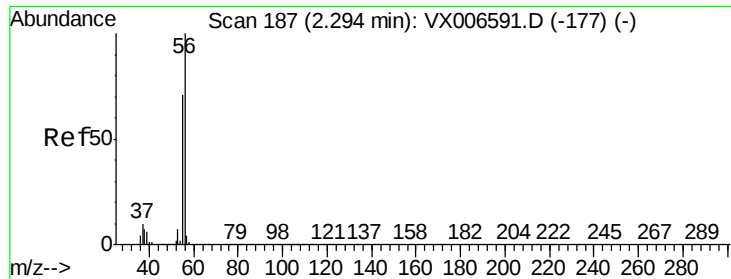


#12

1,1-Dichloroethene
Concen: 46.604 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	121.4	182.2
98	66.5	51.9	77.9





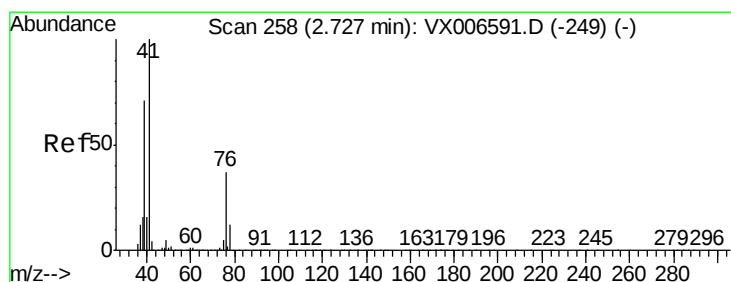
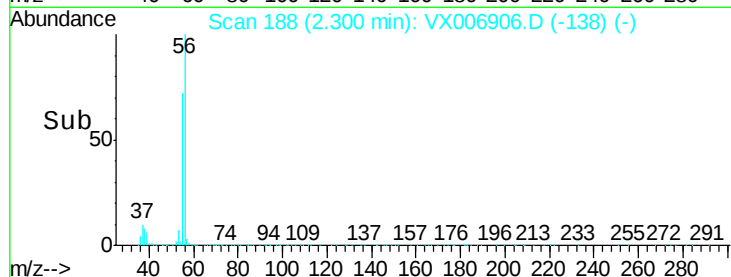
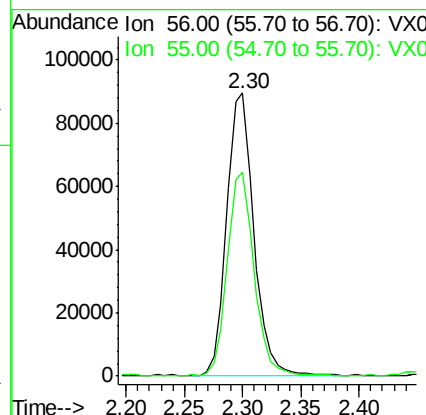
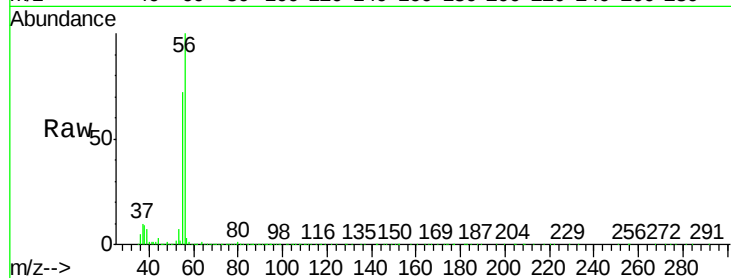
#13
Acrolein
Concen: 174.098 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
S32-0645MSD

Tot Ion	56	Resp	144017
Ion Ratio	100	Lower	Upper
55	71.5	58.2	87.4

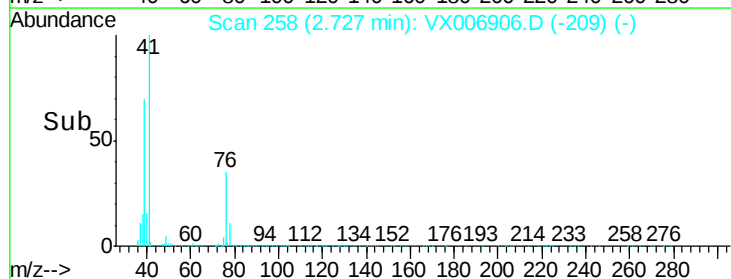
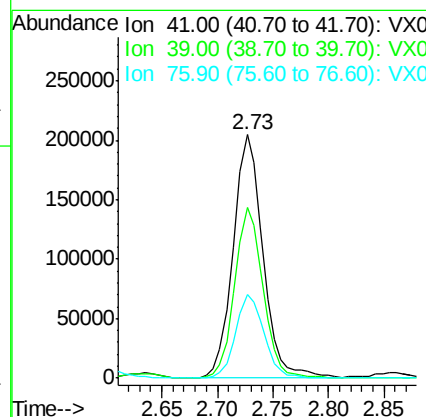
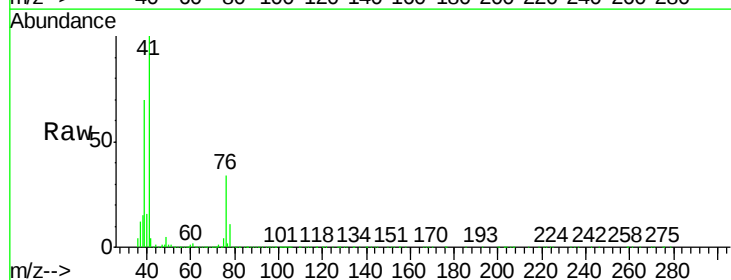
Manual Integrations
APPROVED

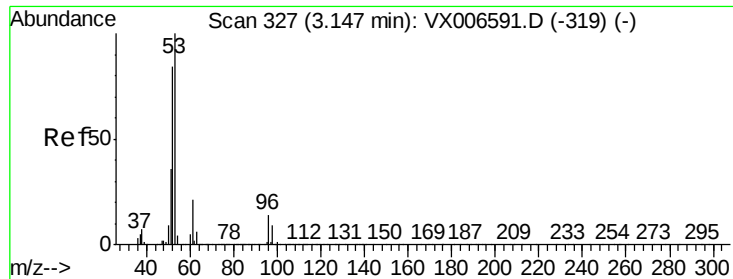
MMDadoda
1/4/2019 10:01:33 AM



#14
Allyl chloride
Concen: 49.322 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	41	Resp	378162
Ion Ratio	100	Lower	Upper
39	66.8	53.6	80.4
76	32.7	27.4	41.2





#15

Acrylonitrile

Concen: 265.429 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

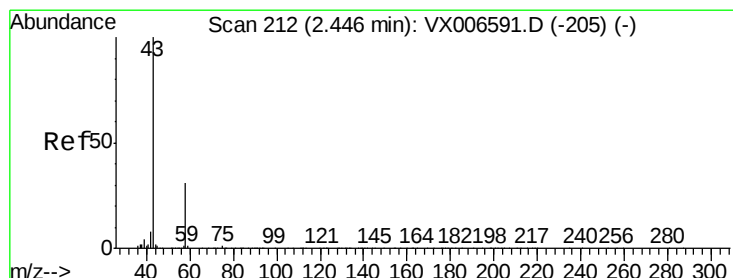
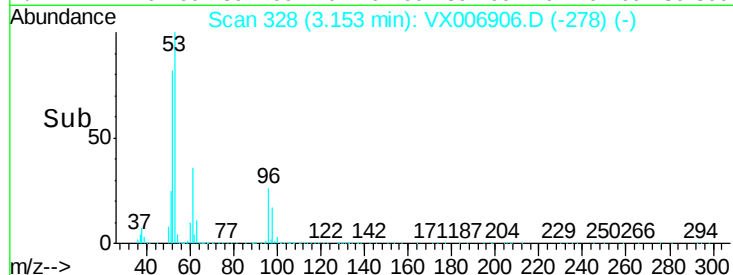
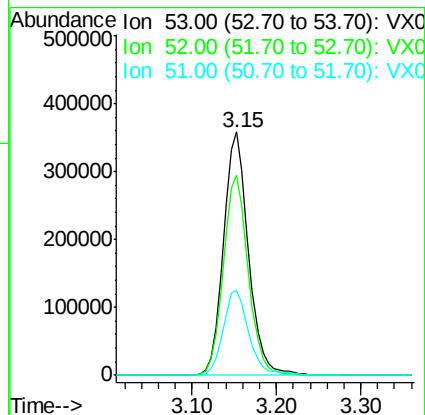
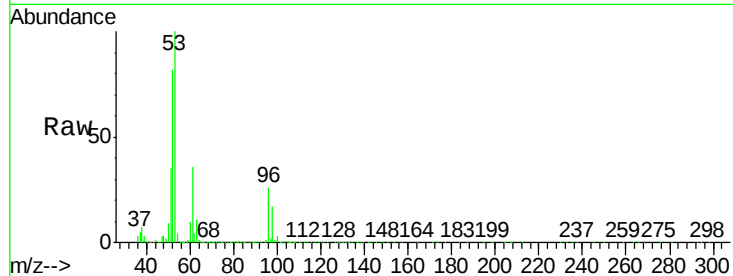
ClientSampleId :

S32-0645MSD

Tot Ion:	53	Resp:	722655
Ion Ratio		Lower	Upper
53	100		
52	82.0	66.0	99.0
51	35.9	28.6	42.8

Manual Integrations
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1/4/2019 10:01:33 AM



#16

Acetone

Concen: 262.766 ug/l

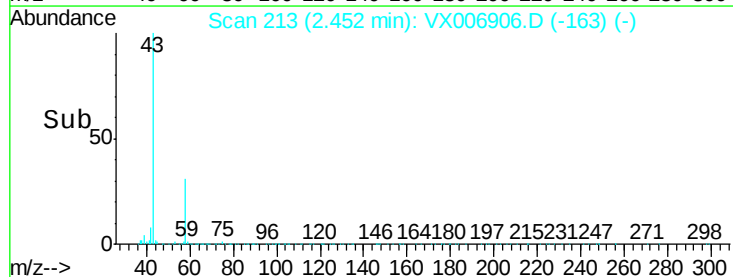
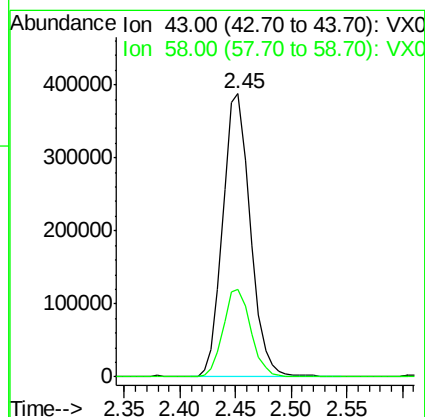
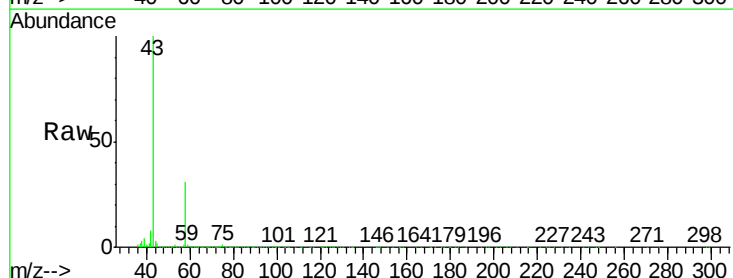
RT: 2.45 min Scan# 213

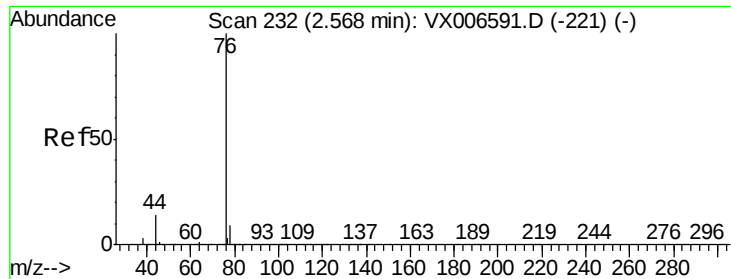
Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	43	Resp:	663313
Ion Ratio		Lower	Upper
43	100		
58	30.9	25.0	37.6





#17

Carbon Disulfide

Concen: 38.075 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 76 Resp: 458966

Ion Ratio Lower Upper

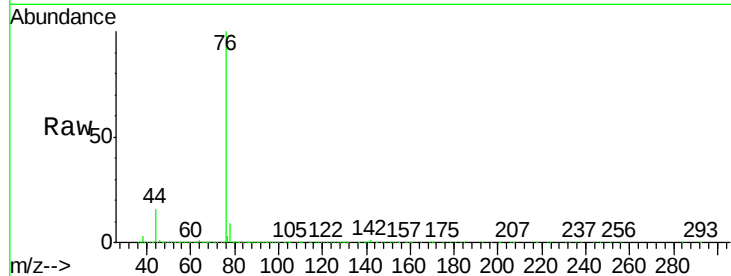
76 100

78 8.7 7.0 10.6

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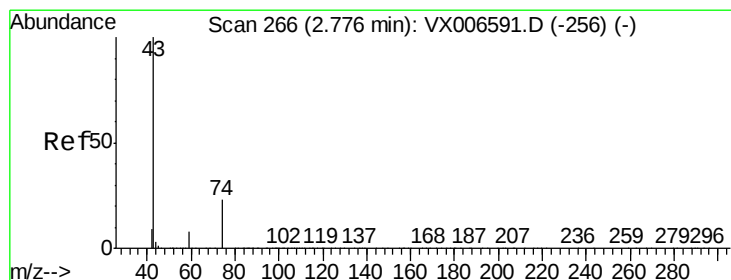
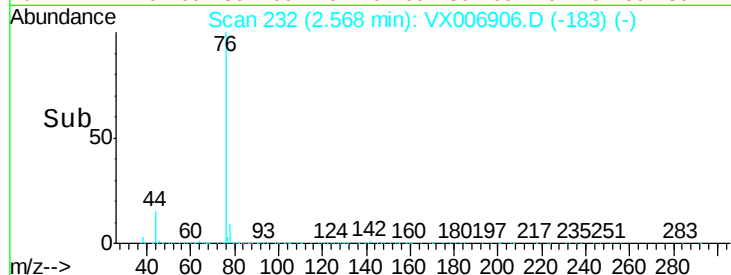
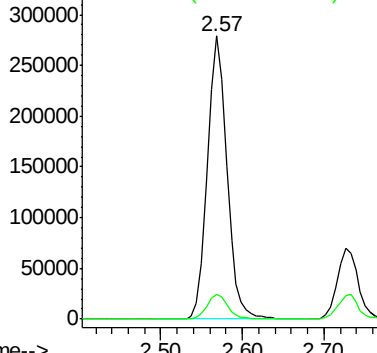
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 55.833 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006906.D

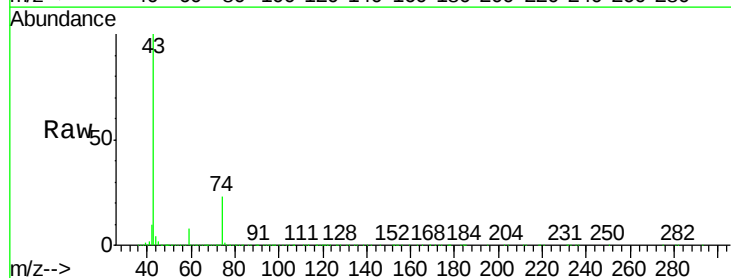
Acq: 03 Jan 2019 20:18

Tgt Ion: 43 Resp: 414434

Ion Ratio Lower Upper

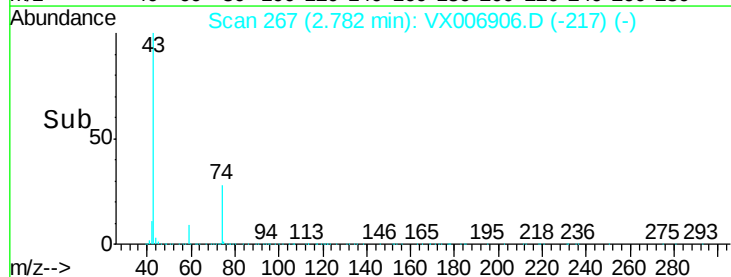
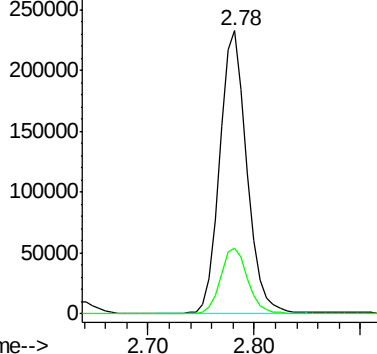
43 100

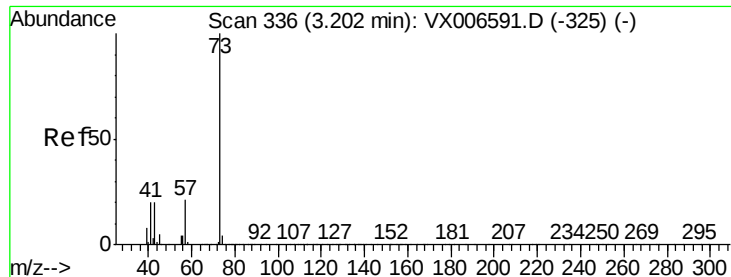
74 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

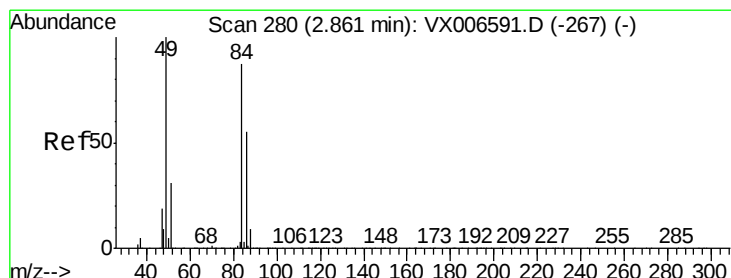
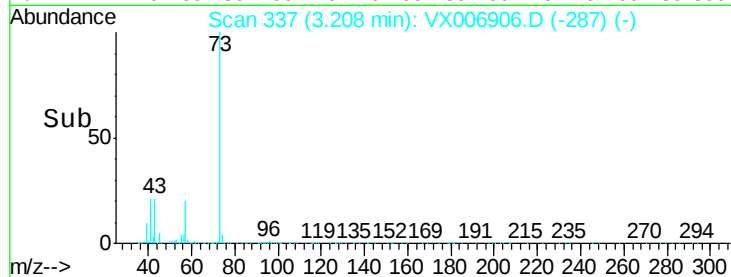
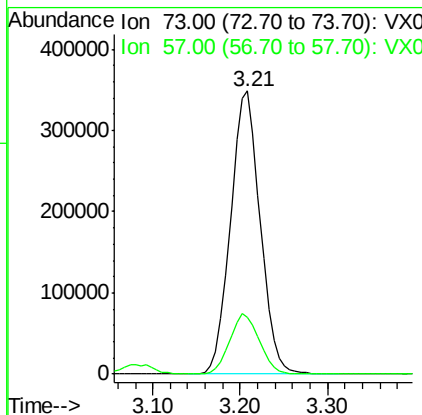
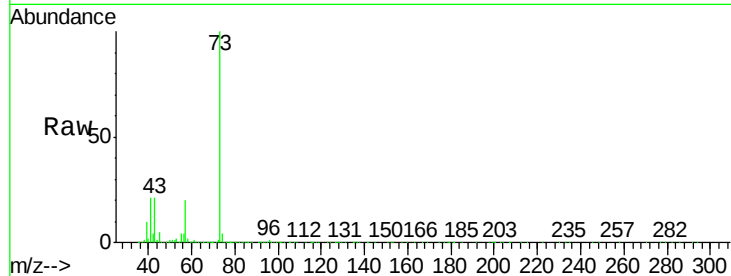
Methvl tert-butvl Ether
 Concen: 54.183 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	16.8	25.2

Manual Integrations
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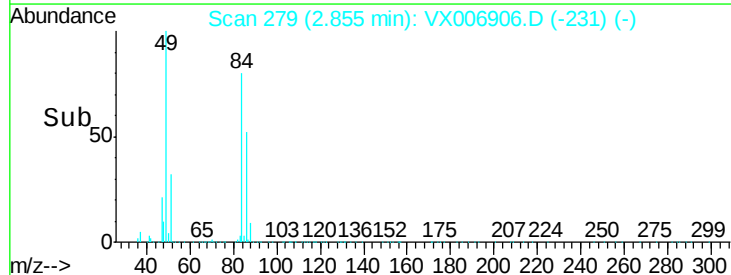
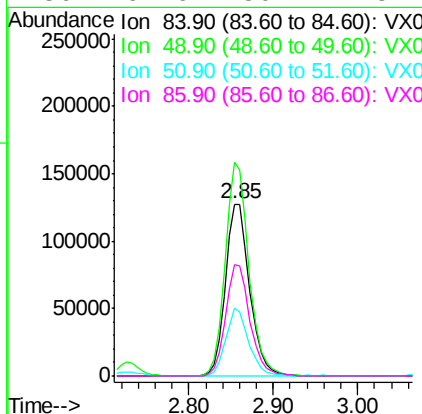
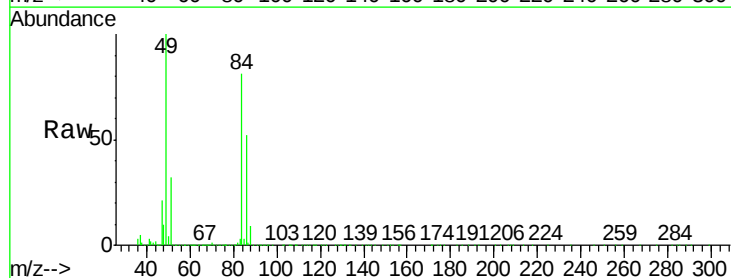
MMDadoda
 1/4/2019 10:01:33 AM

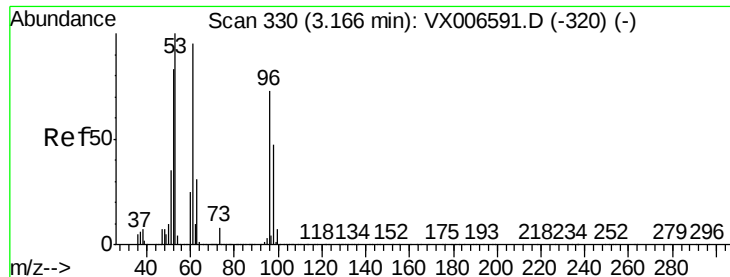


#20

Methylene Chloride
 Concen: 48.056 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	91.8	137.6
51	39.3	28.5	42.7
86	64.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 50.938 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

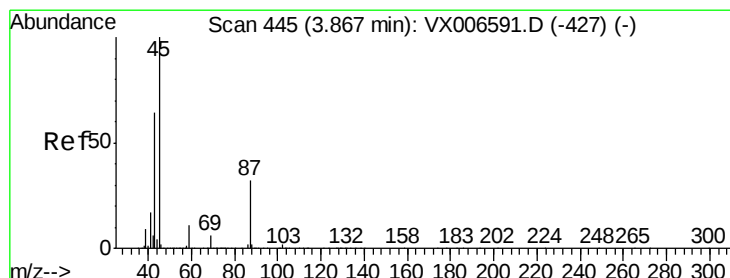
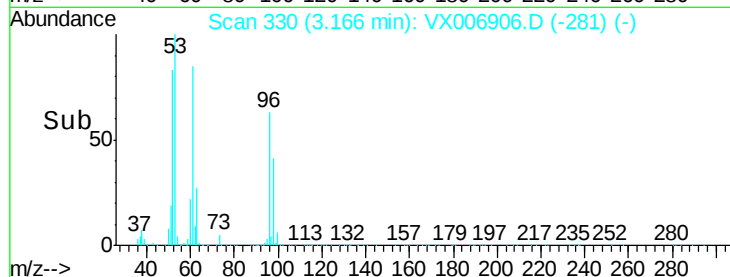
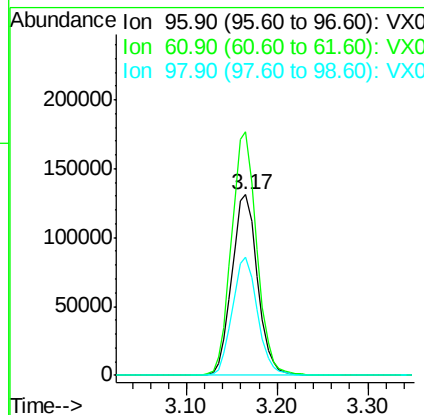
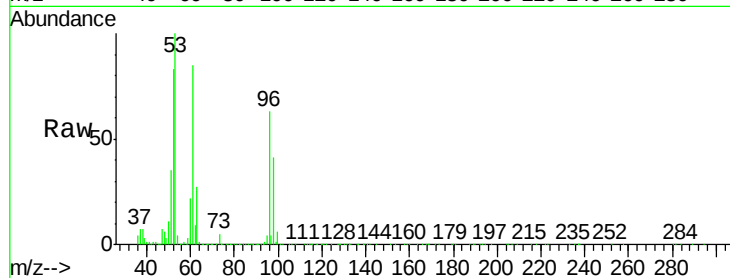
ClientSampleId :

S32-0645MSD

Tot Ion:	96	Resp:	257081
Ion	Ratio	Lower	Upper
96	100		
61	134.9	103.7	155.5
98	65.3	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.399 ug/l

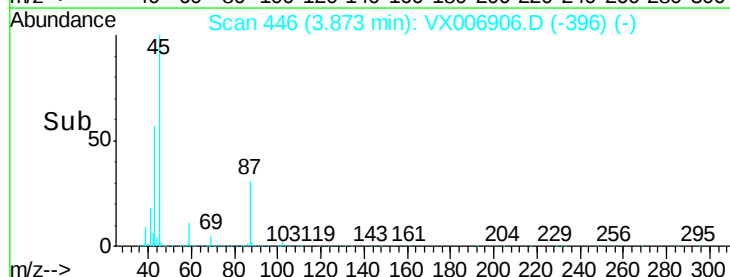
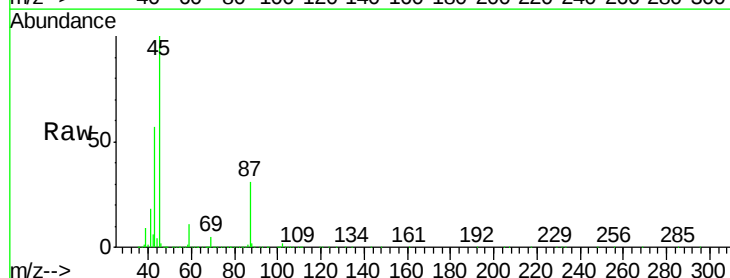
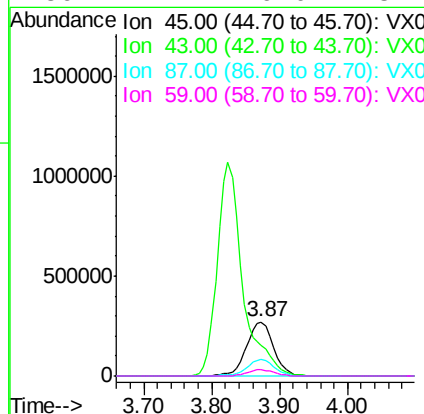
RT: 3.87 min Scan# 446

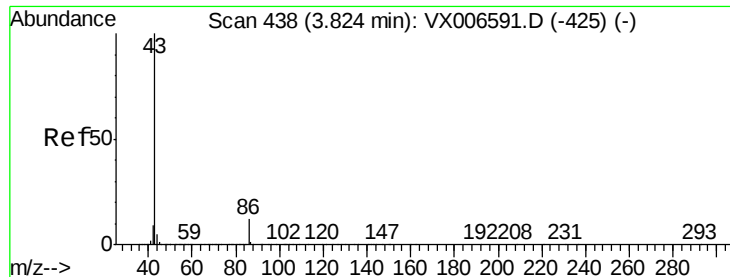
Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	45	Resp:	749009
Ion	Ratio	Lower	Upper
45	100		
43	57.0	51.2	76.8
87	30.7	25.8	38.6
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 242.324 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 43 Resp: 2780257

Ion Ratio Lower Upper

43 100

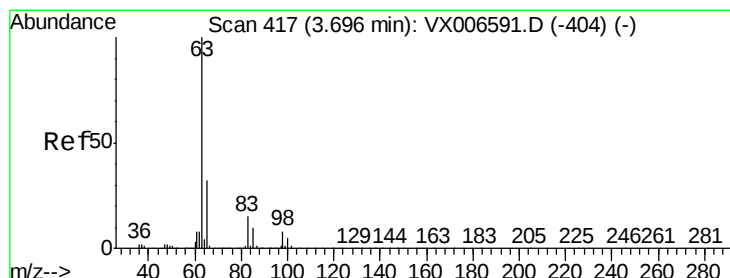
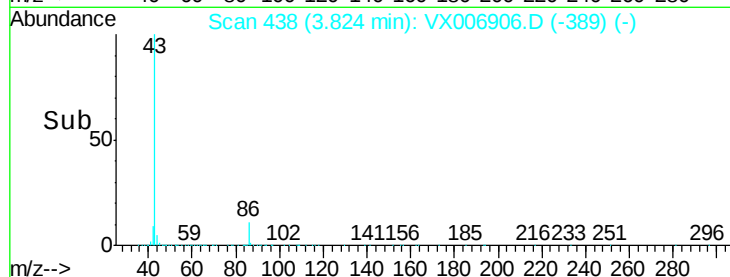
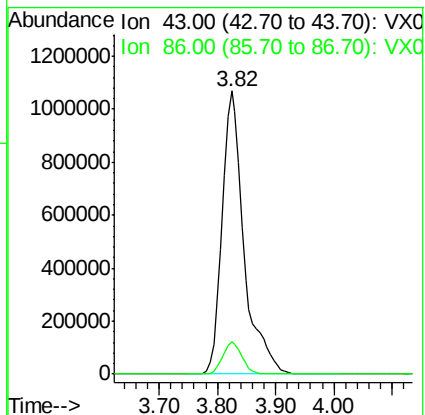
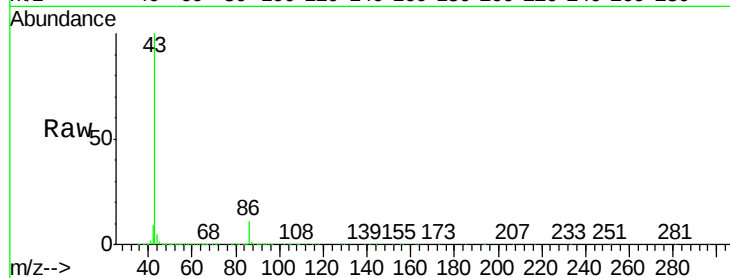
86 11.3 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.360 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

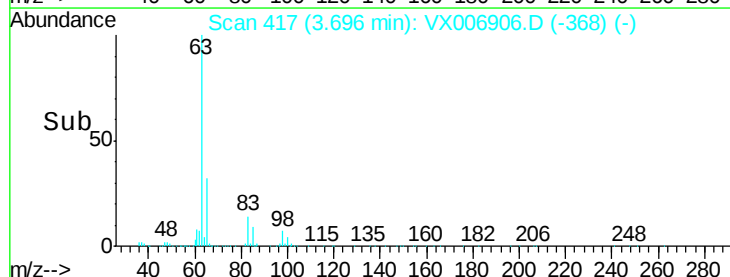
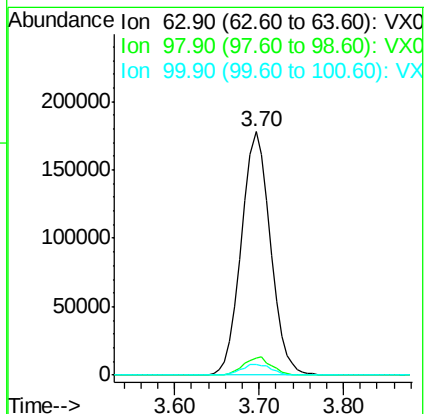
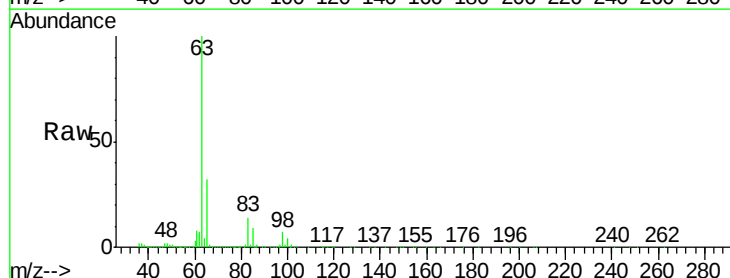
Tgt Ion: 63 Resp: 413300

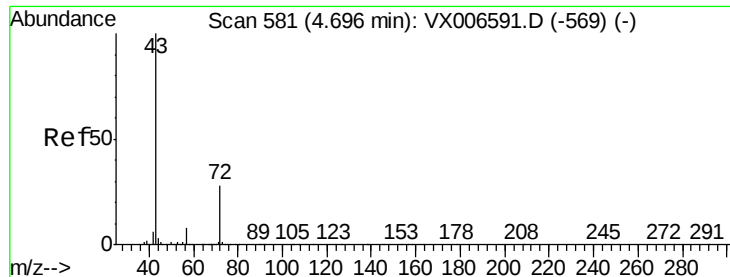
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 250.527 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 43 Resp: 889574

Ion Ratio Lower Upper

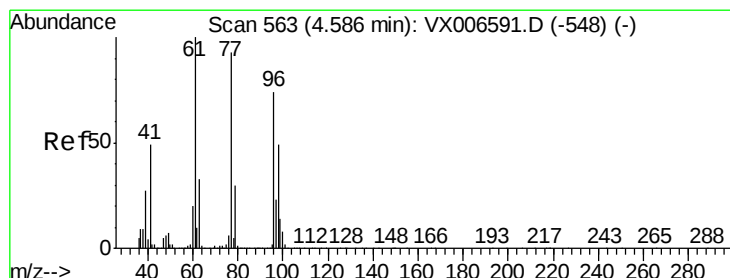
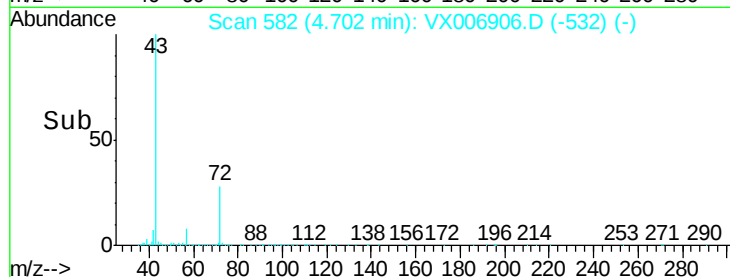
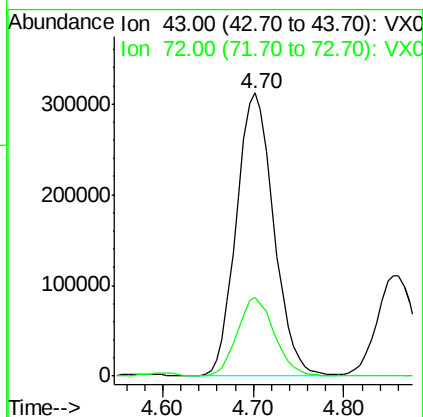
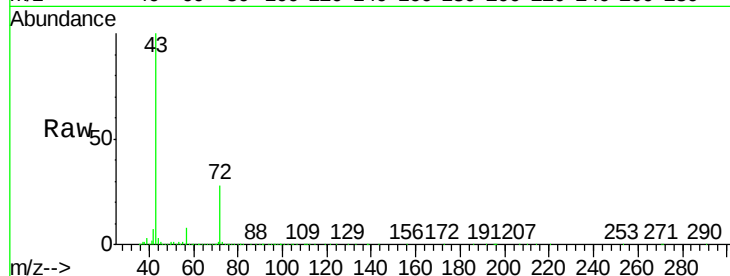
43 100

72 27.5 22.4 33.6

Manual Integrations
APPROVED

MMDadoda

1/4/2019 10:01:33 AM



#26

2,2-Dichloropropane

Concen: 40.657 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006906.D

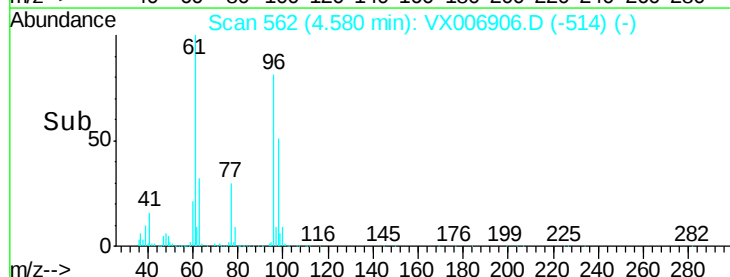
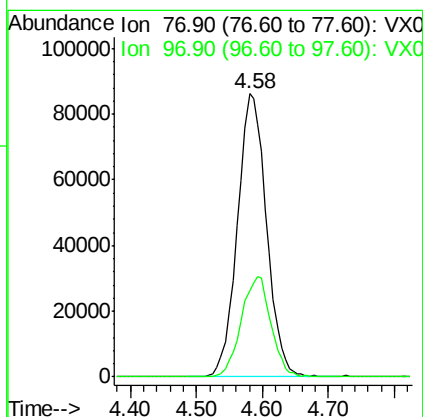
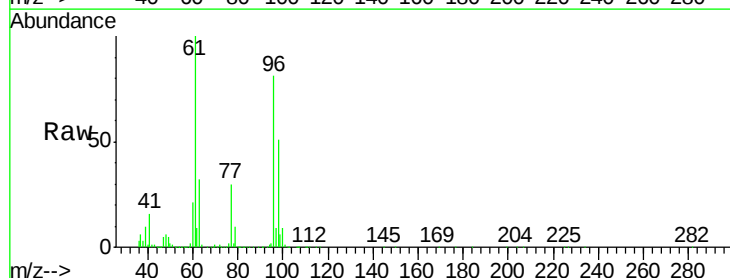
Acq: 03 Jan 2019 20:18

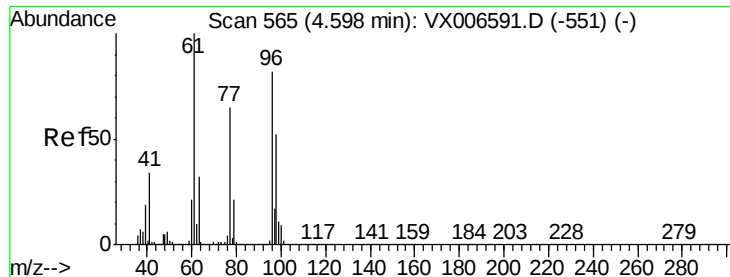
Tgt Ion: 77 Resp: 262966

Ion Ratio Lower Upper

77 100

97 36.5 12.4 37.4





#27

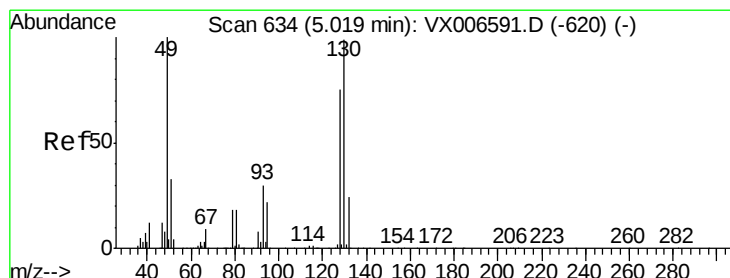
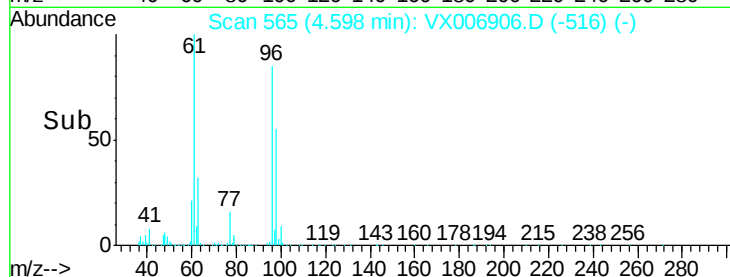
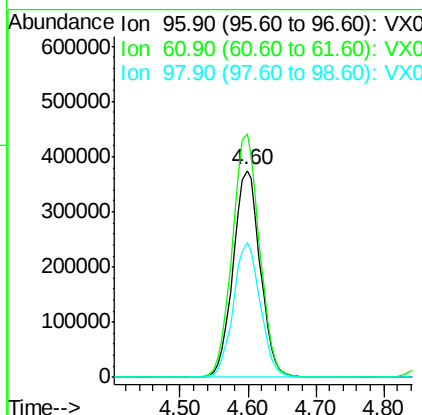
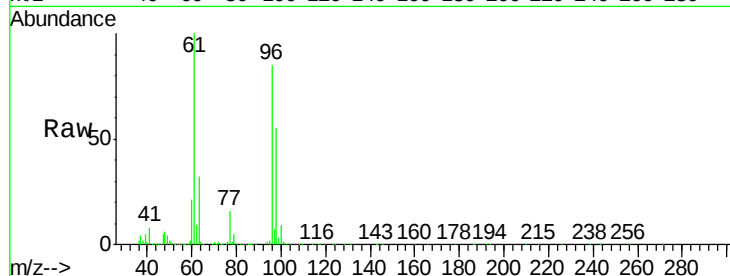
cis-1,2-Dichloroethene
Concen: 186.213 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampled :
S32-0645MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.2	0.0	258.6
98	64.7	0.0	132.0

Manual Integrations
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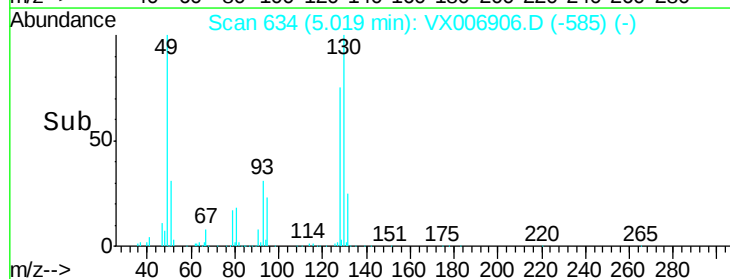
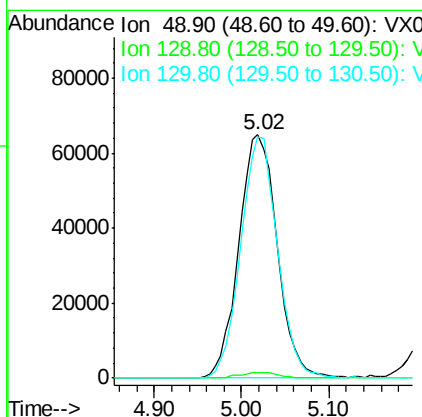
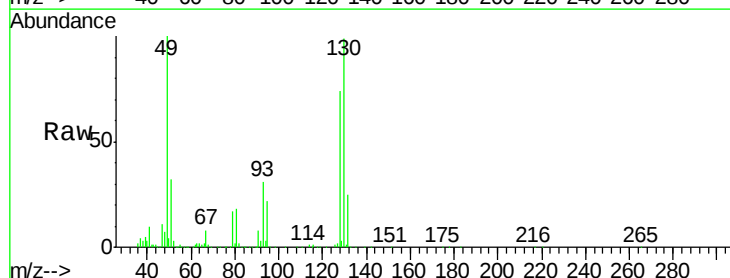
MMDadoda
1/4/2019 10:01:33 AM

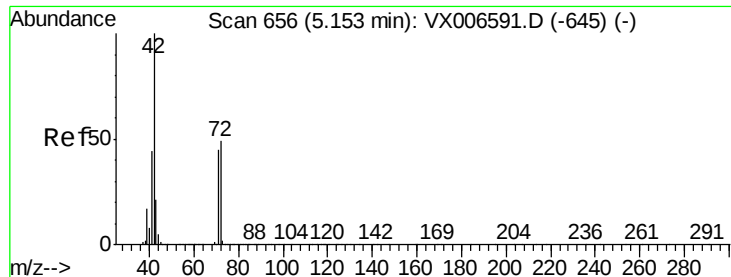


#28

Bromochloromethane
Concen: 56.030 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	95.6	77.7	116.5





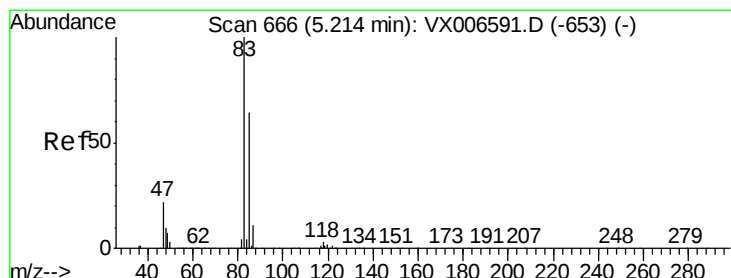
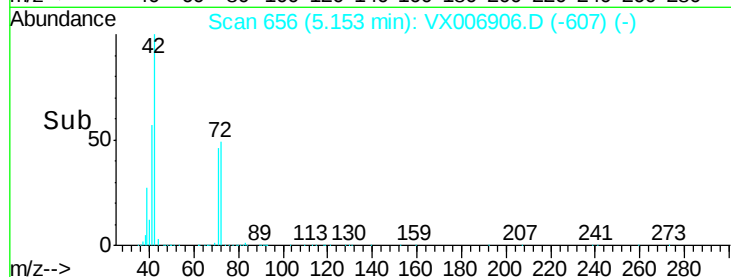
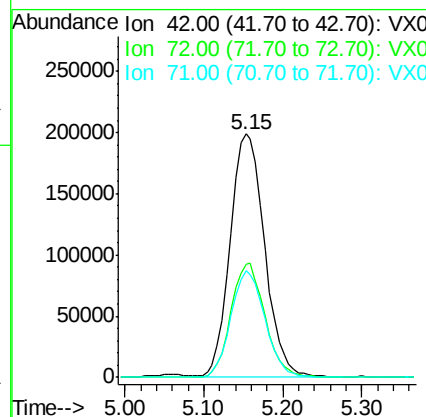
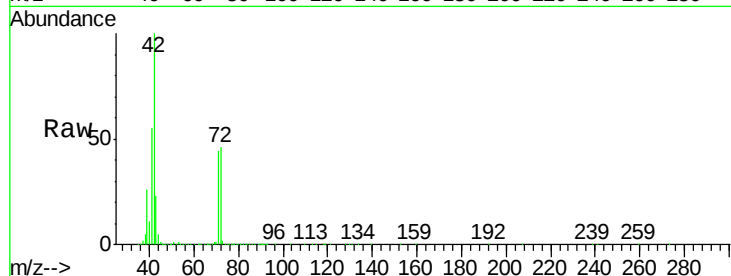
#29
Tetrahydrofuran
Concen: 256.693 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampled :
S32-0645MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.9	58.3
71	43.4	36.2	54.4

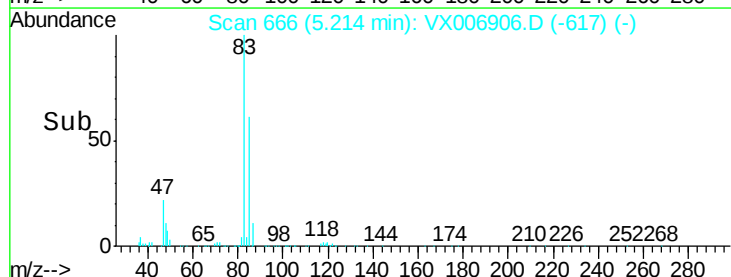
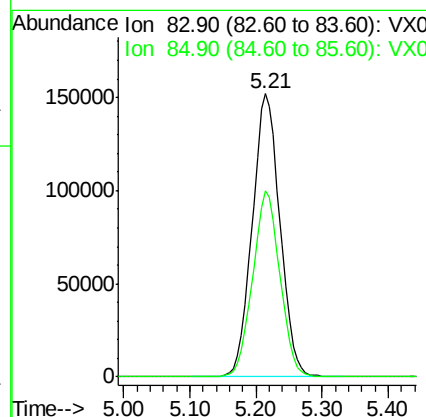
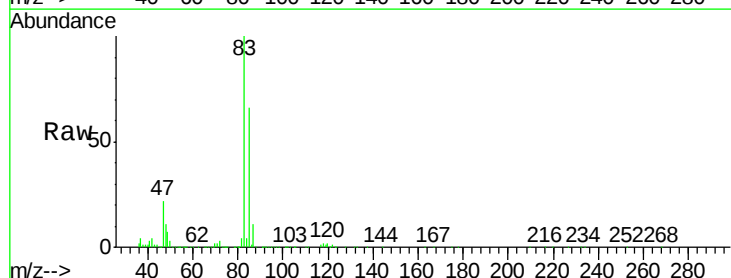
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APPROVED

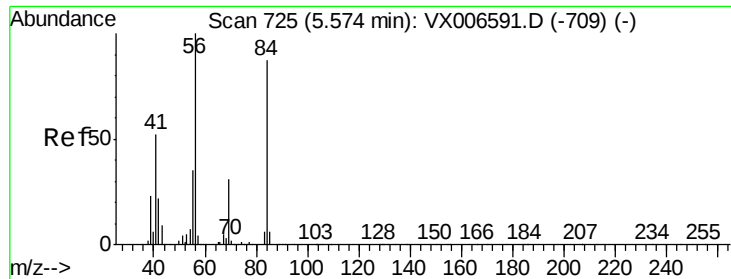
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1/4/2019 10:01:33 AM



#30
Chloroform
Concen: 51.130 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.2	76.8





#31

Cyclohexane

Concen: 42.064 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

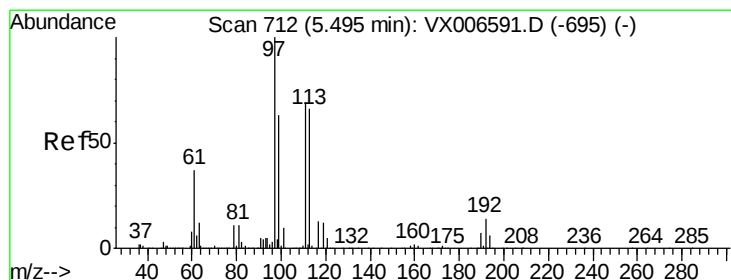
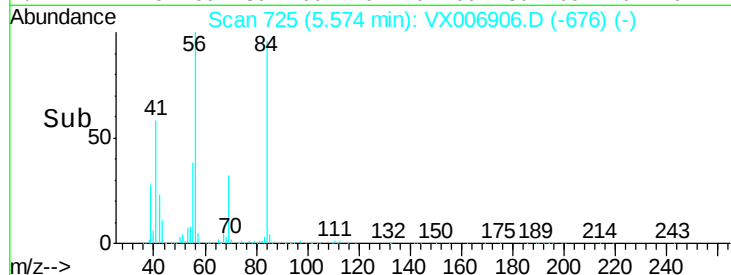
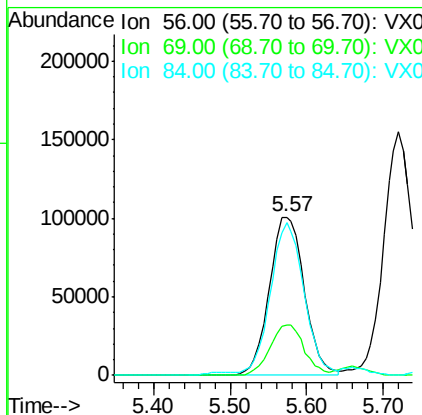
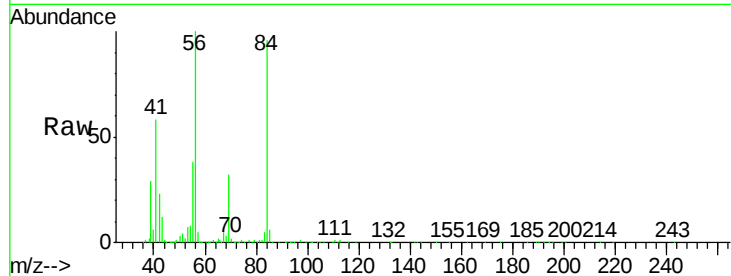
ClientSampled :

S32-0645MSD

Tot Ion:	56	Resp:	319979
Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.4	36.6
84	96.1	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.694 ug/l

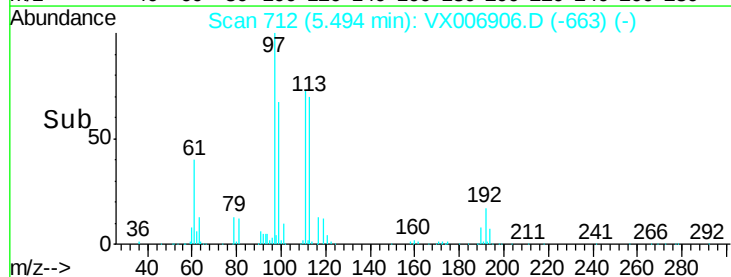
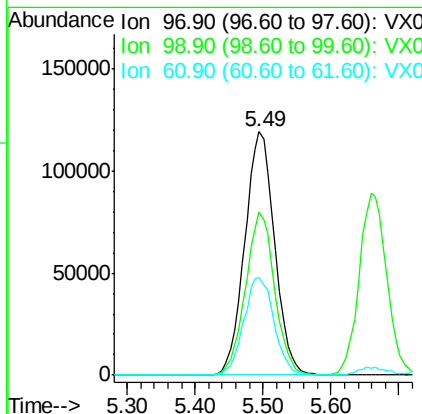
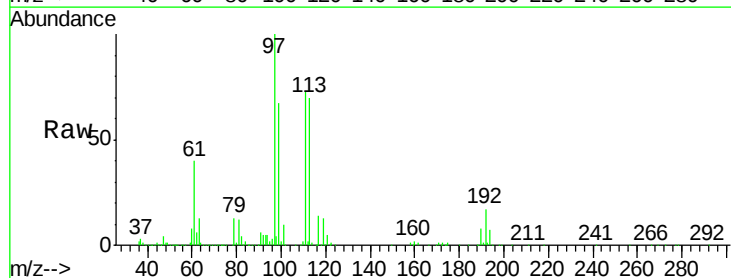
RT: 5.49 min Scan# 712

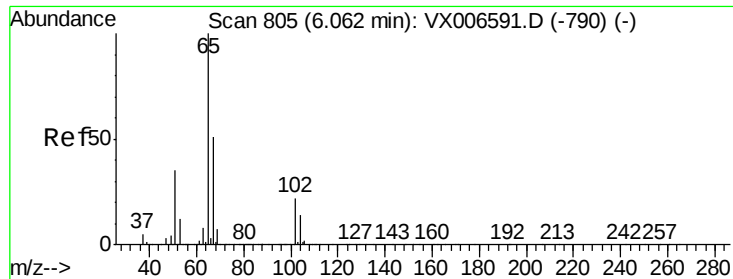
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	97	Resp:	363836
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.7	77.5
61	40.6	31.3	46.9





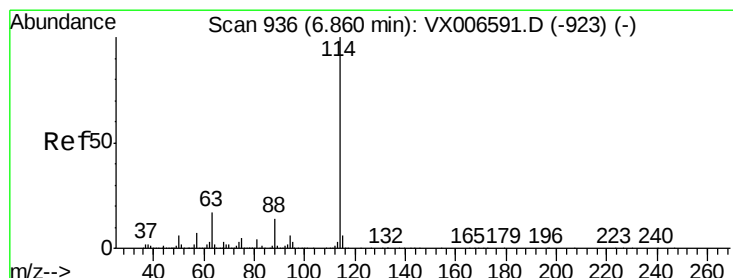
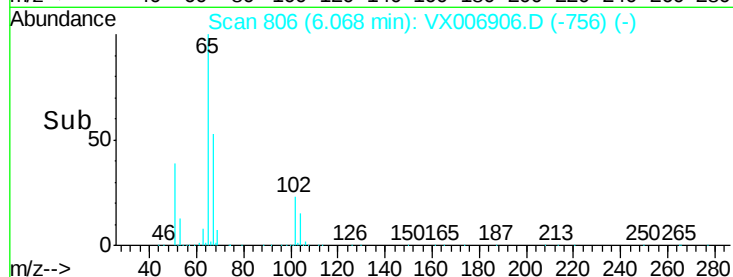
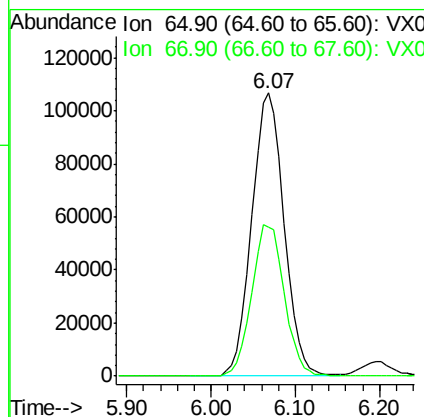
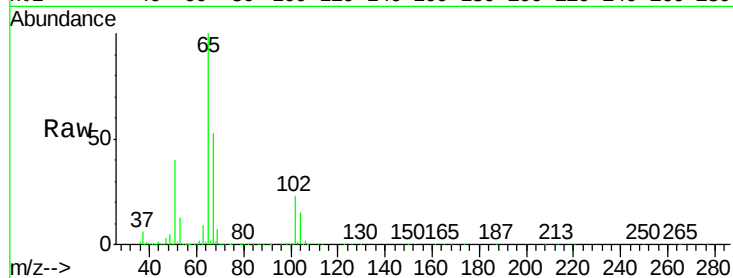
#33
 1,2-Dichloroethane-d4
 Concen: 50.732 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	278745		
67	53.8	0.0	105.0	

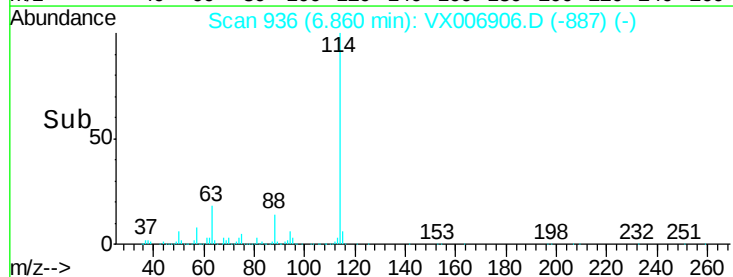
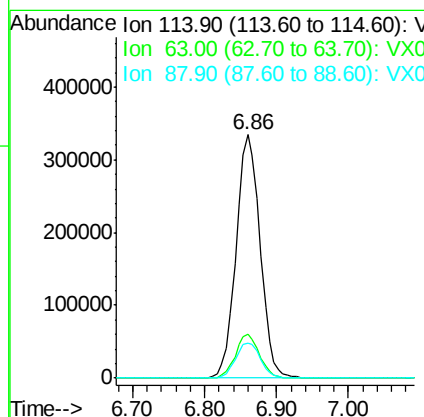
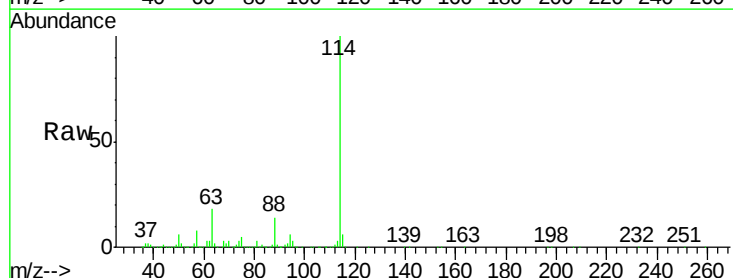
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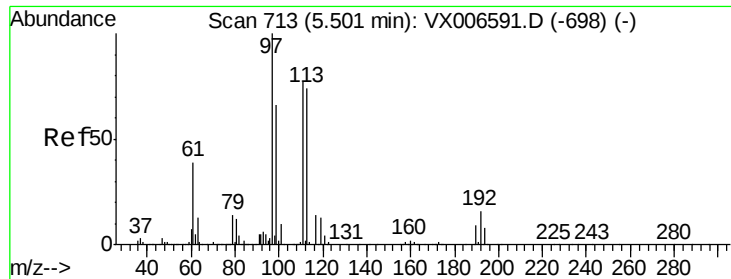
MMDadoda
 1/4/2019 10:01:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	775368		
63	17.9	0.0	34.8	
88	14.4	0.0	28.8	





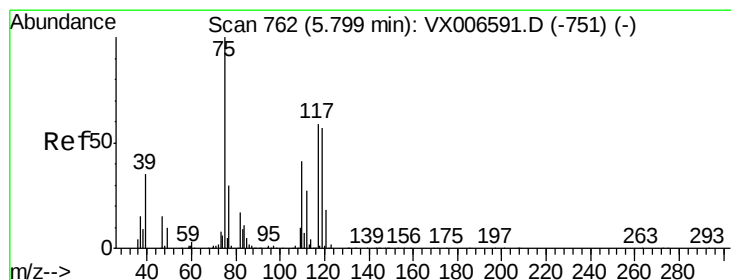
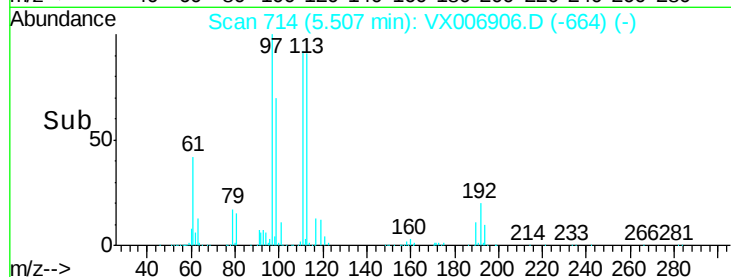
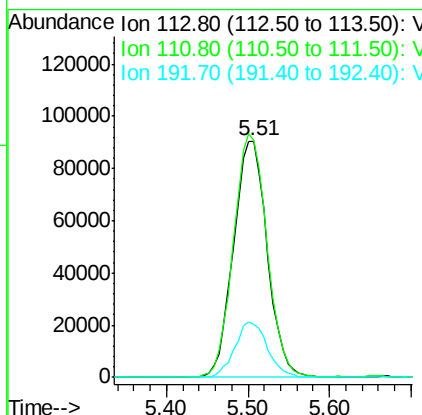
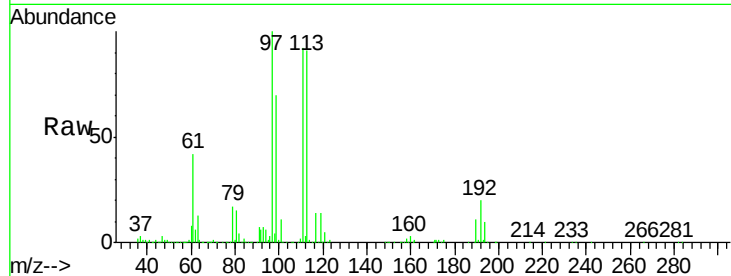
#35
 Dibromofluoromethane
 Concen: 52.903 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	259398		
111	102.3	81.6	122.4	
192	22.7	16.7	25.1	

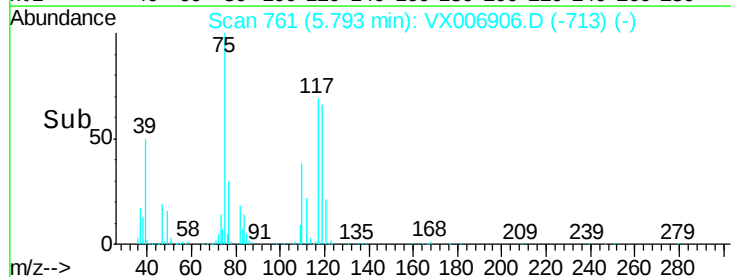
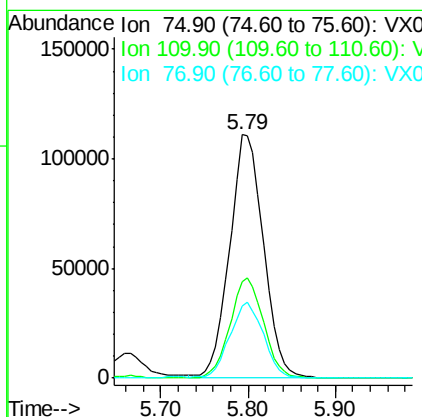
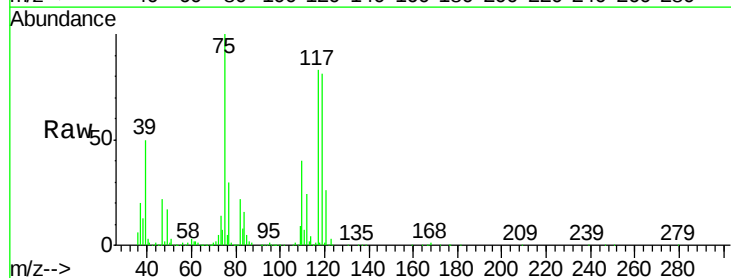
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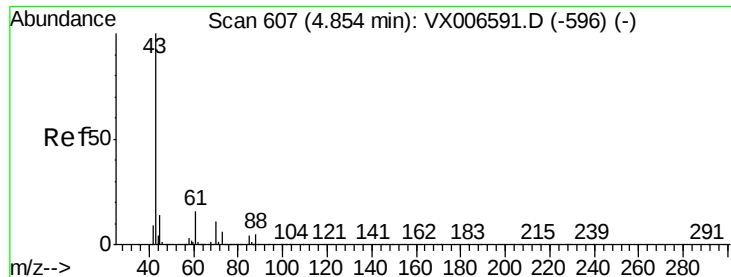
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 1/4/2019 10:01:33 AM



#36
 1,1-Dichloropropene
 Concen: 46.430 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	298166		
110	40.6	20.2	60.5	
77	30.9	24.8	37.2	





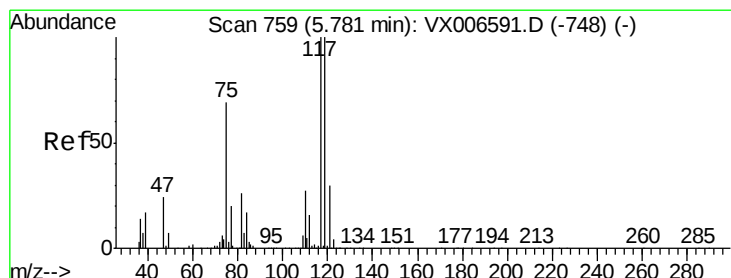
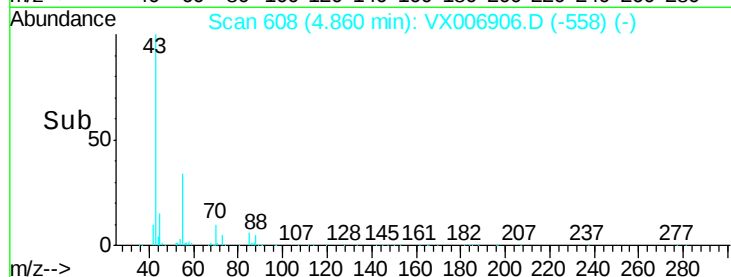
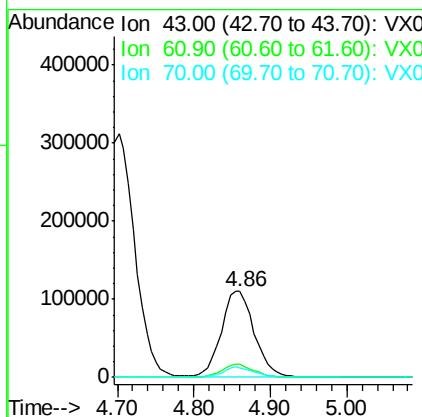
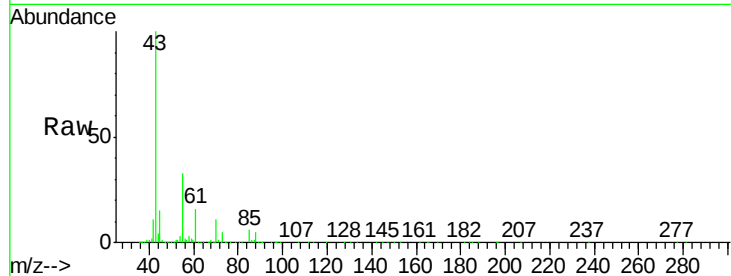
#37
Ethyl Acetate
Concen: 48.760 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampled :
S32-0645MSD

Tot Ion	43	Resp	325912
Ion Ratio	100	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	11.4	9.7	14.5

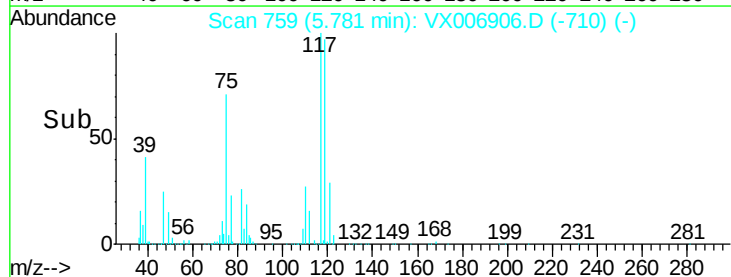
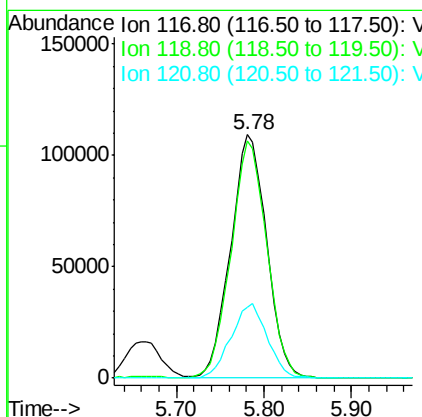
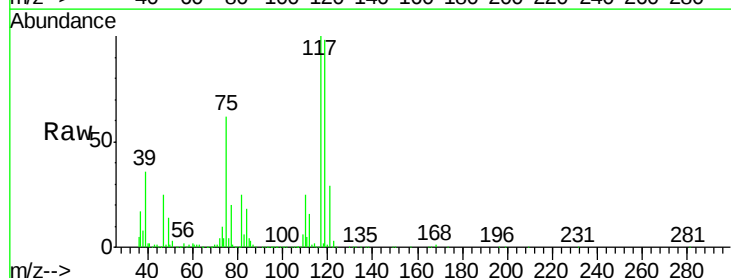
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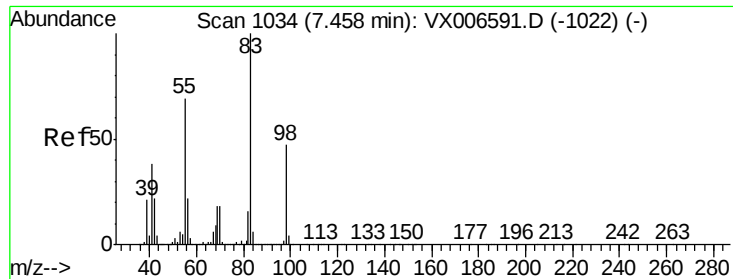
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1/4/2019 10:01:33 AM



#38
Carbon Tetrachloride
Concen: 49.958 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	117	Resp	311788
Ion Ratio	100	Lower	Upper
117	100		
119	97.6	79.4	119.2
121	29.2	24.0	36.0





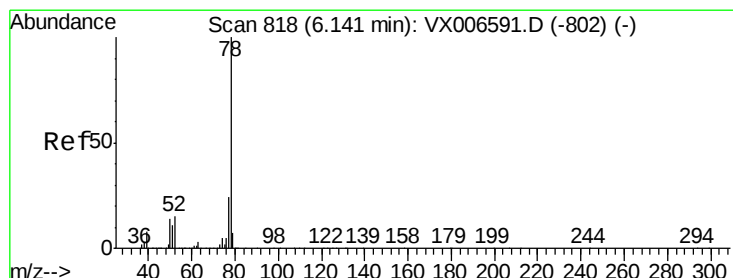
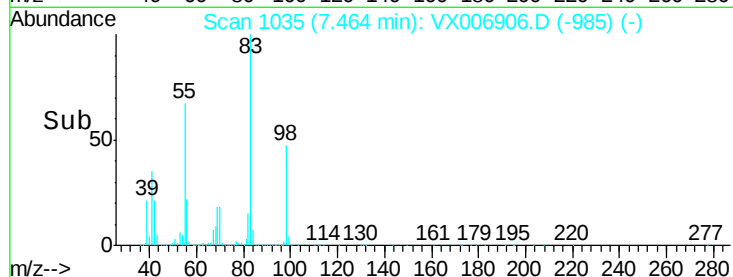
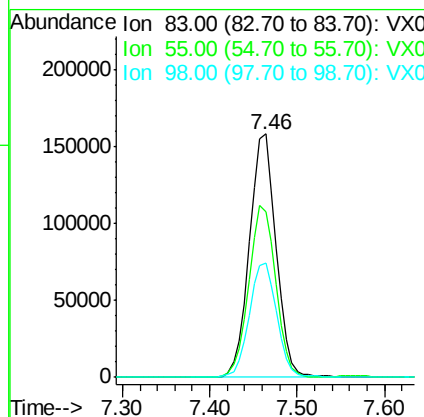
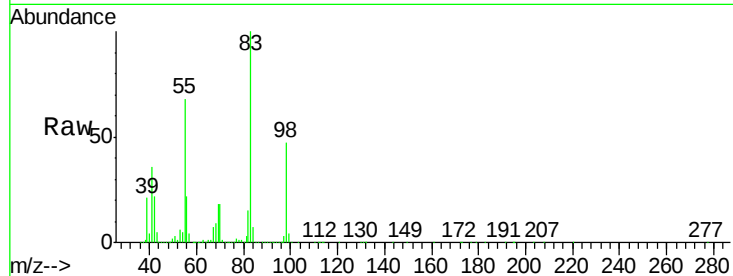
#39
Methvlcvclohexane
Concen: 39.471 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
S32-0645MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	54.9	82.3
98	46.7	37.9	56.9

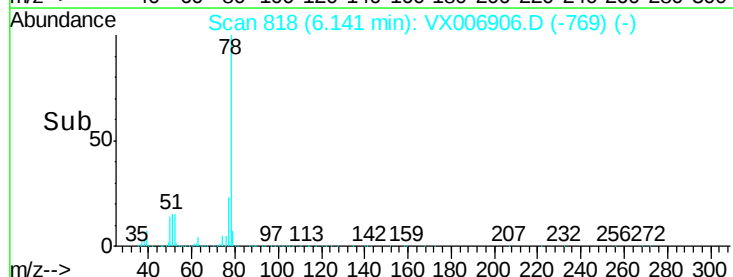
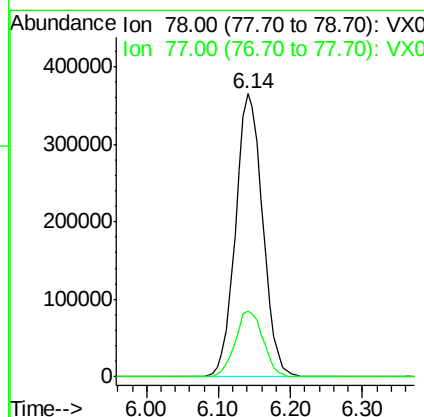
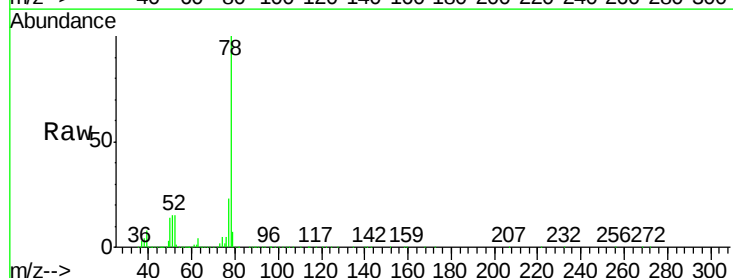
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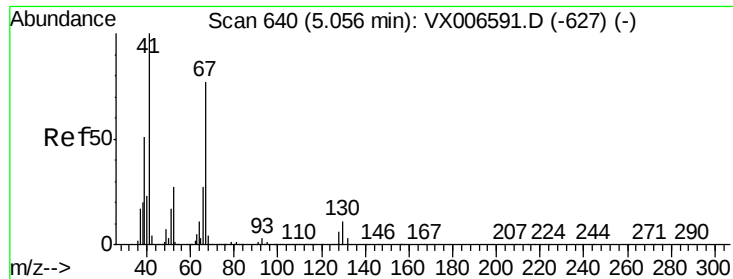
MMDadoda
1/4/2019 10:01:33 AM



#40
Benzene
Concen: 48.941 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 54.900 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

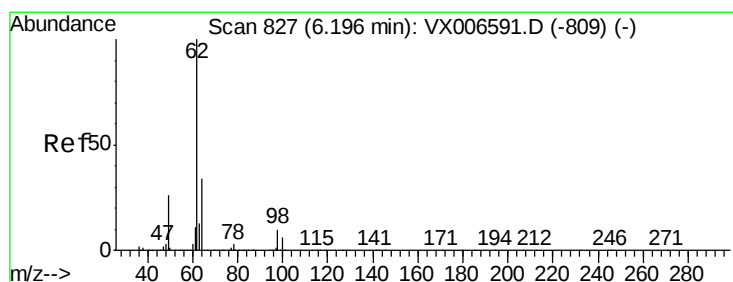
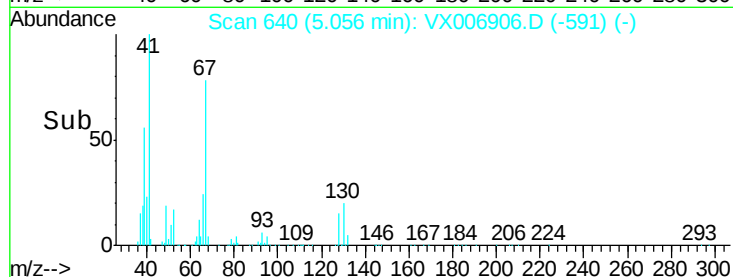
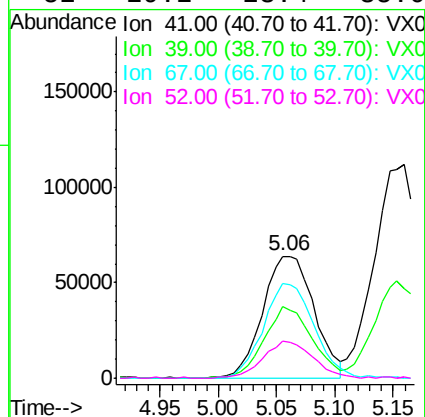
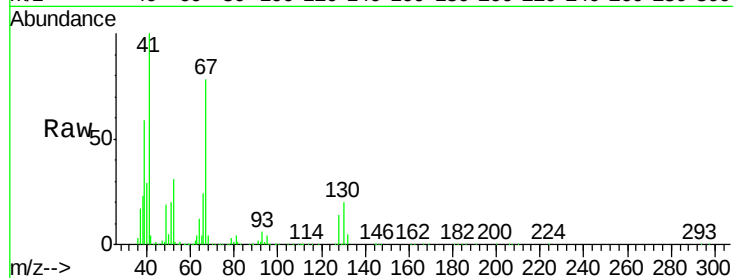
ClientSampleId :

S32-0645MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		194821		
39	54.7	42.8	64.2		
67	77.4	62.1	93.1		
52	29.2	23.4	35.0		

Manual Integrations
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MMDadoda
1/4/2019 10:01:33 AM



#42

1,2-Dichloroethane

Concen: 50.085 ug/l

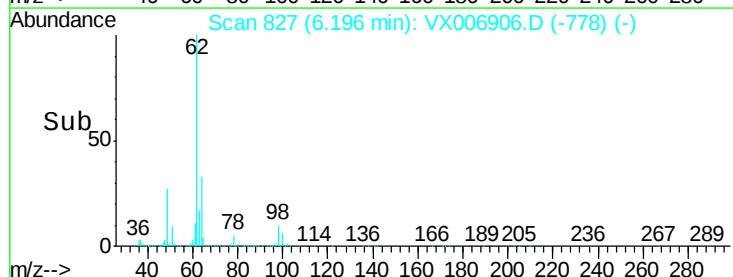
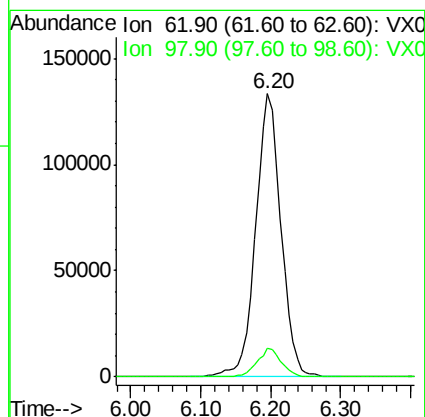
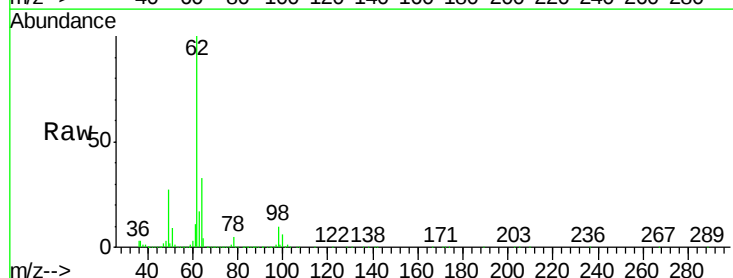
RT: 6.20 min Scan# 827

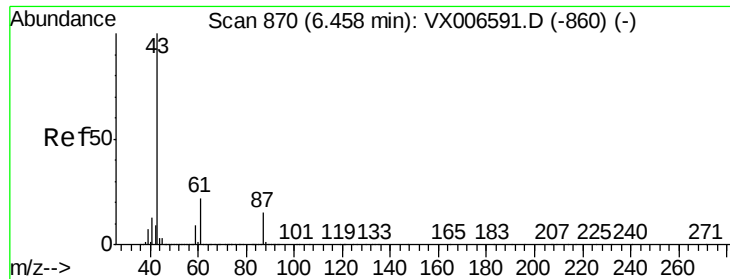
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		333145		
98	9.8	0.0	20.2		





#43

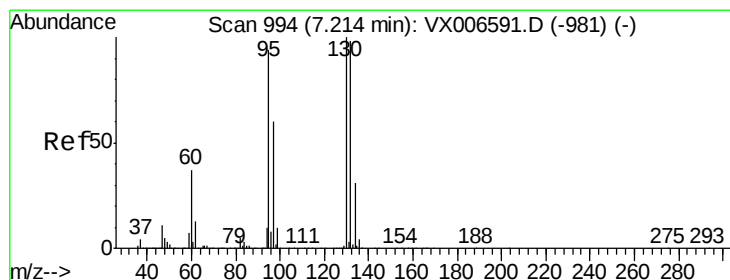
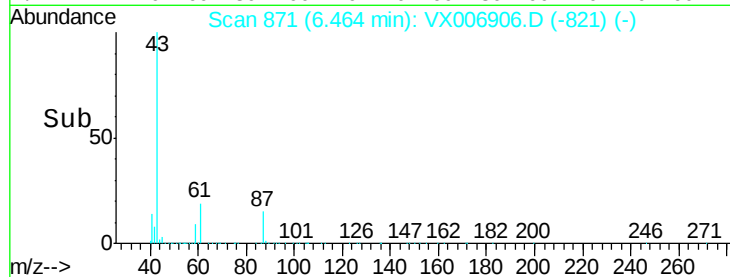
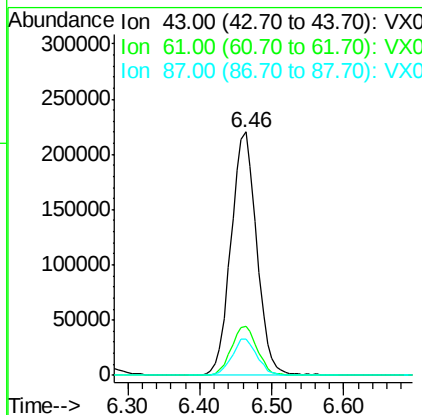
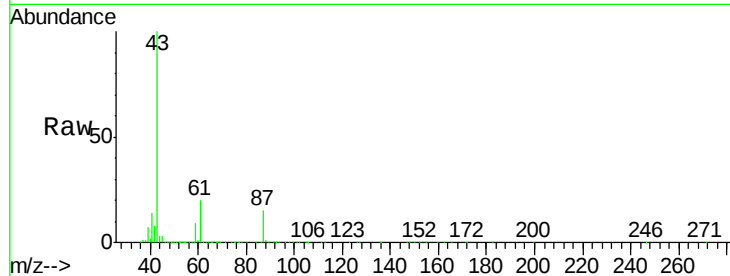
Isopropyl Acetate
 Concen: 53.388 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampled :
 S32-0645MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.8	12.4	18.6

Manual Integrations
 APPROVED

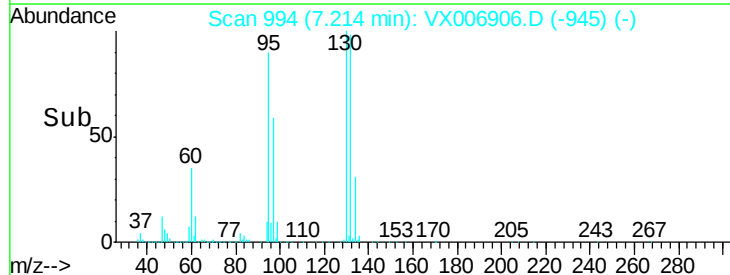
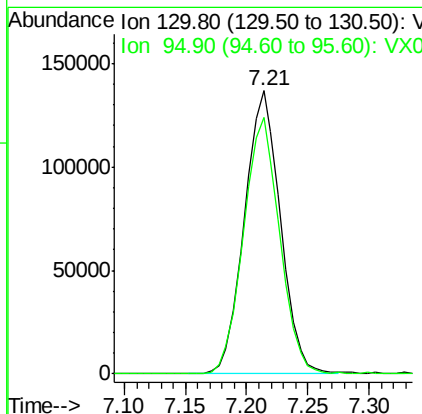
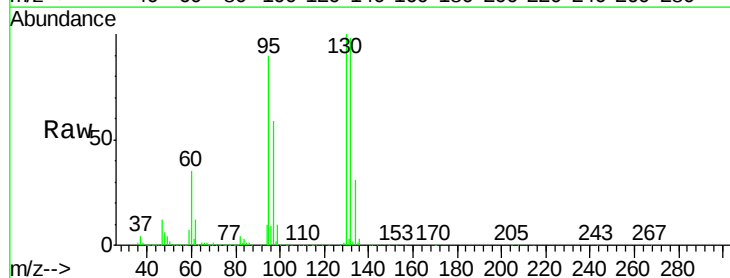
MMDadoda
 1/4/2019 10:01:33 AM

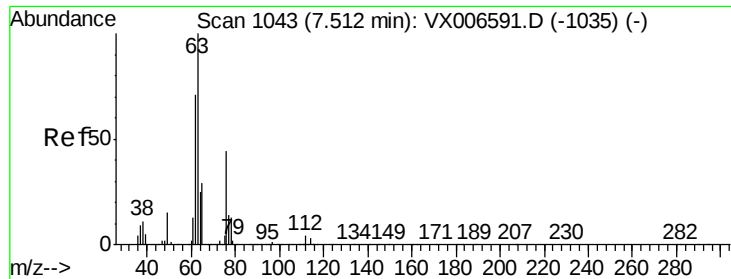


#44

Trichloroethene
 Concen: 47.333 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	187.0





#45

1,2-Dichloropropane

Concen: 52.424 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampled :

S32-0645MSD

Tot Ion: 63 Resp: 249025

Ion Ratio Lower Upper

63 100

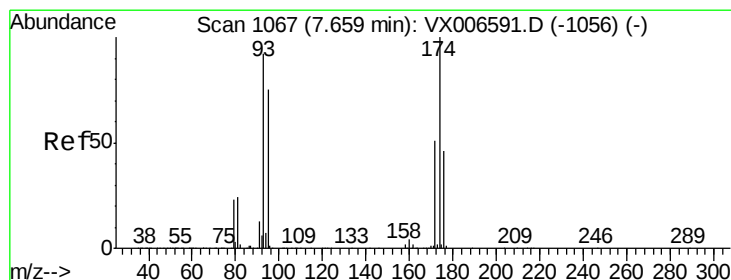
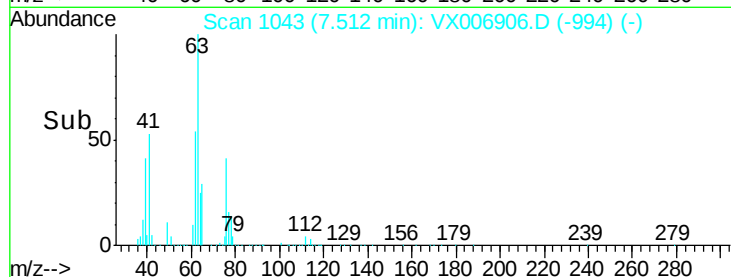
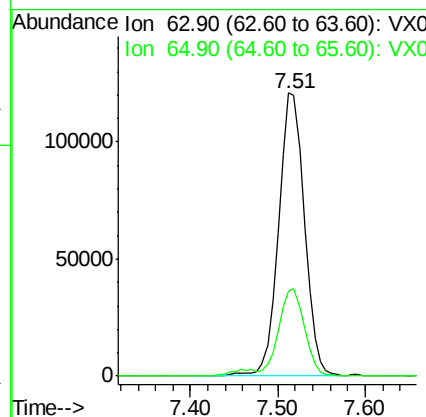
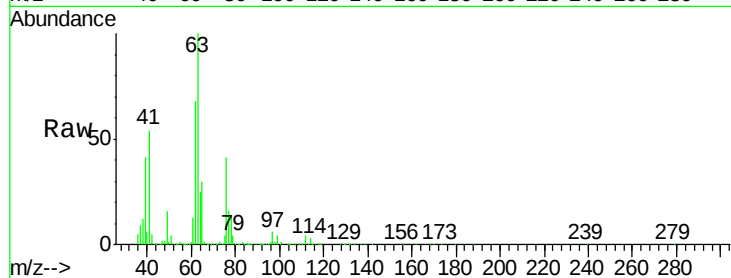
65 29.8 25.4 38.0

Manual Integrations

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1/4/2019 10:01:33 AM



#46

Dibromomethane

Concen: 49.625 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

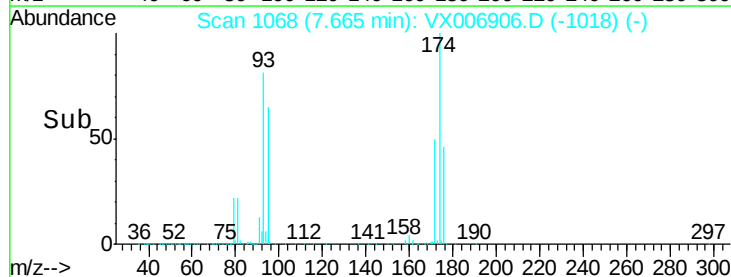
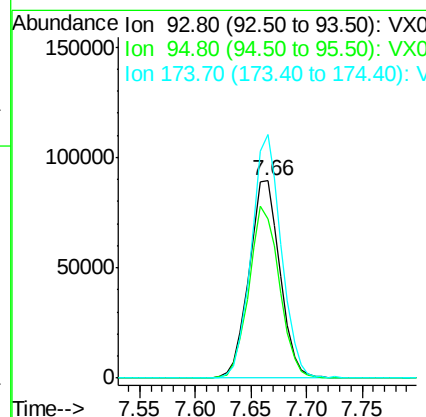
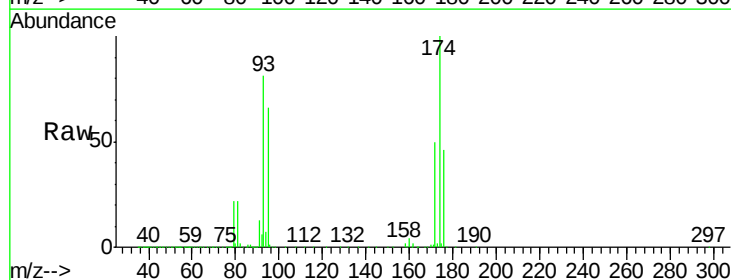
Tgt Ion: 93 Resp: 173393

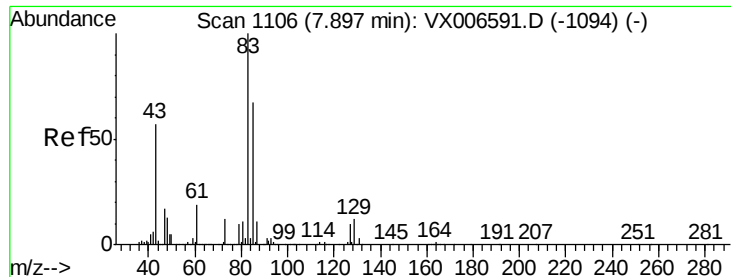
Ion Ratio Lower Upper

93 100

95 85.5 66.2 99.4

174 118.9 91.0 136.4





#47

Bromodichloromethane

Concen: 53.807 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

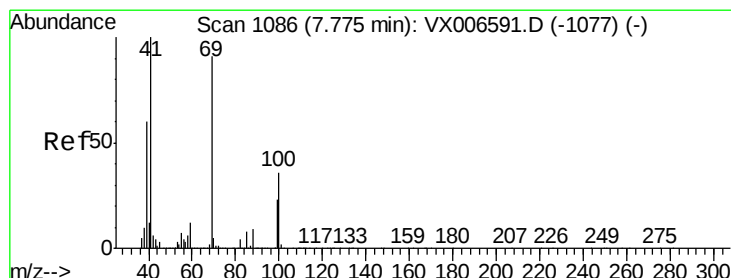
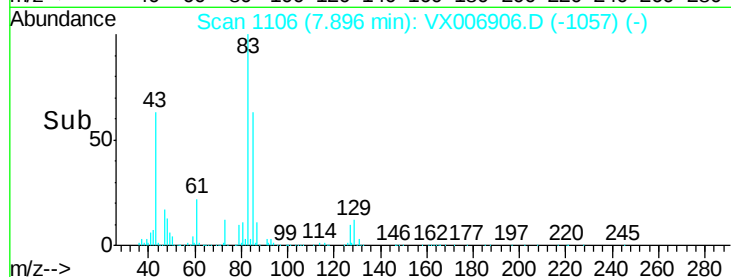
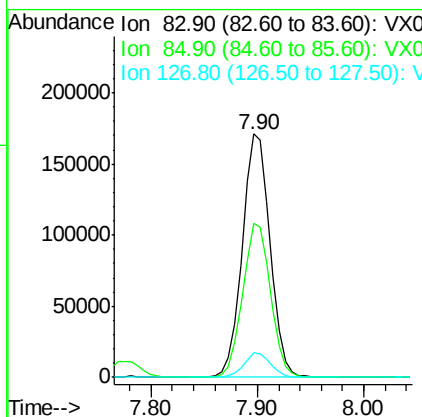
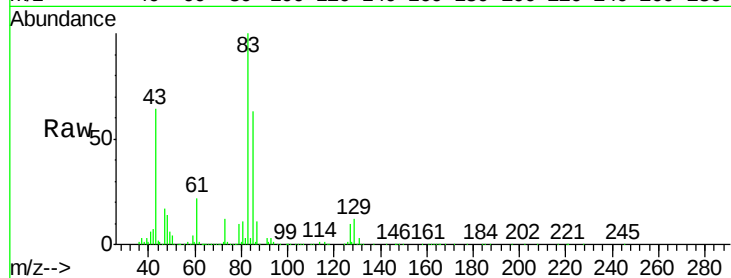
ClientSampled :

S32-0645MSD

Tot Ion:	83	Resp:	312129
Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.2	79.8
127	10.3	7.8	11.6

Manual Integrations
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MMDadoda
1/4/2019 10:01:33 AM



#48

Methyl methacrylate

Concen: 54.492 ug/l

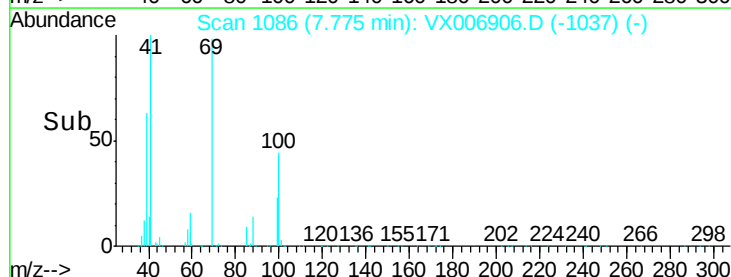
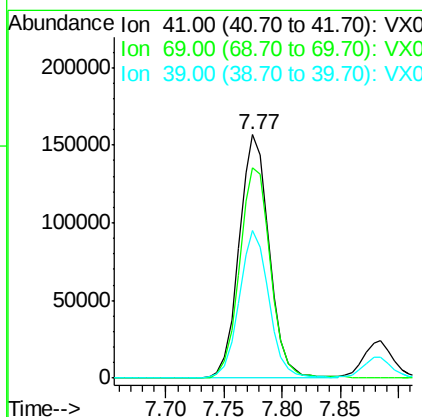
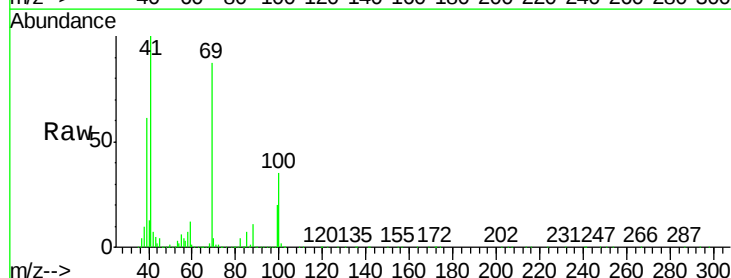
RT: 7.77 min Scan# 1086

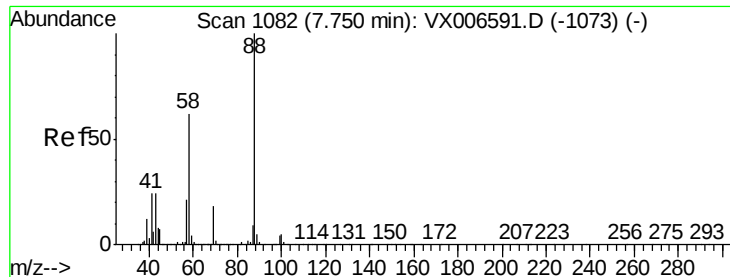
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	41	Resp:	281818
Ion	Ratio	Lower	Upper
41	100		
69	89.2	72.4	108.6
39	59.5	45.8	68.8





#49

1,4-Dioxane

Concen: 880.640 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

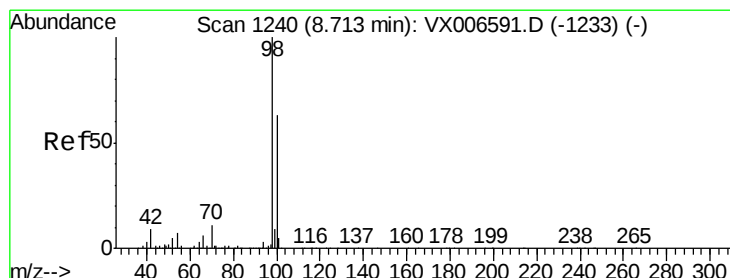
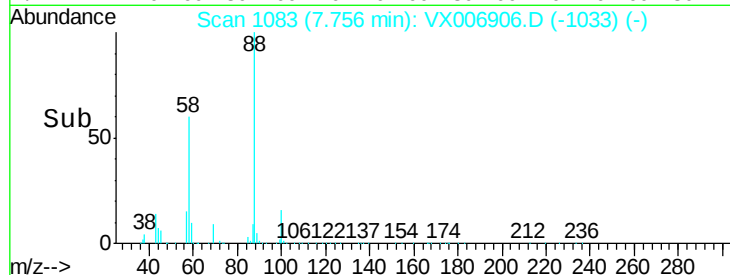
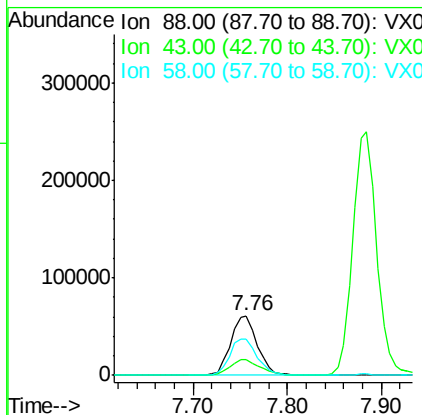
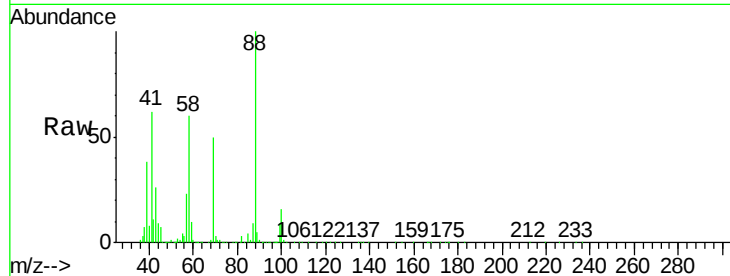
ClientSampleId :

S32-0645MSD

Tot Ion:	88	Resp:	119485
Ion Ratio		Lower	Upper
88	100		
43	30.0	22.2	33.4
58	63.3	51.0	76.4

Manual Integrations
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1/4/2019 10:01:33 AM



#50

Toluene-d8

Concen: 50.250 ug/l

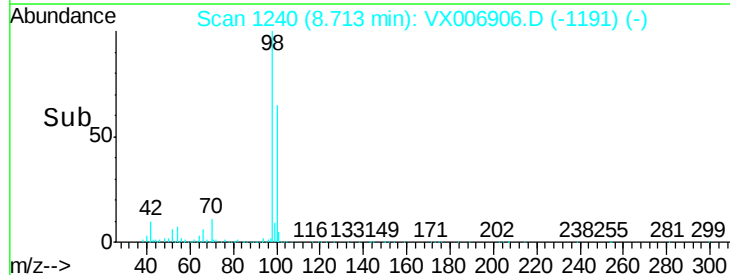
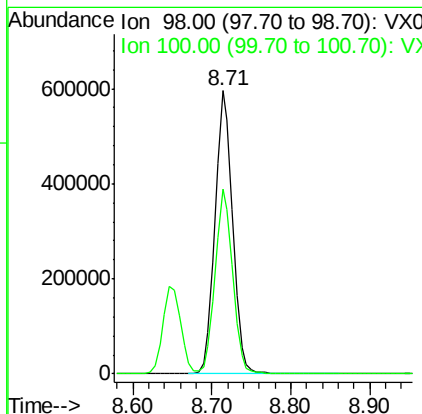
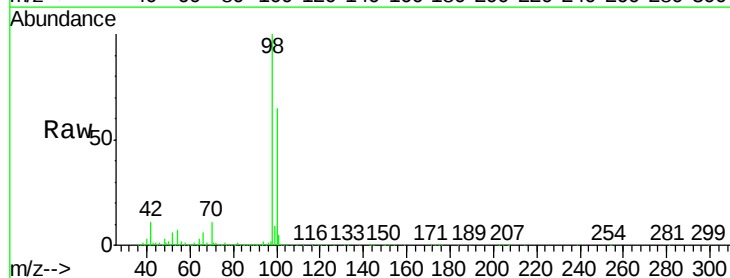
RT: 8.71 min Scan# 1240

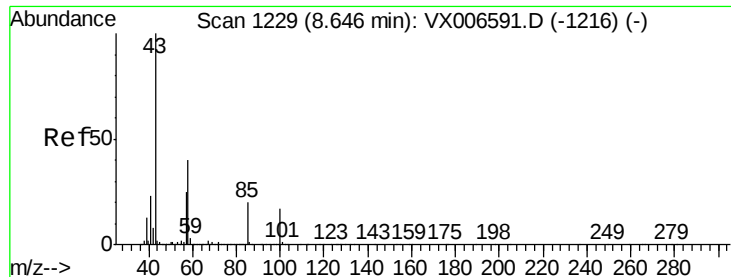
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	98	Resp:	928902
Ion Ratio		Lower	Upper
98	100		
100	64.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 270.816 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 43 Resp: 1752406

Ion Ratio Lower Upper

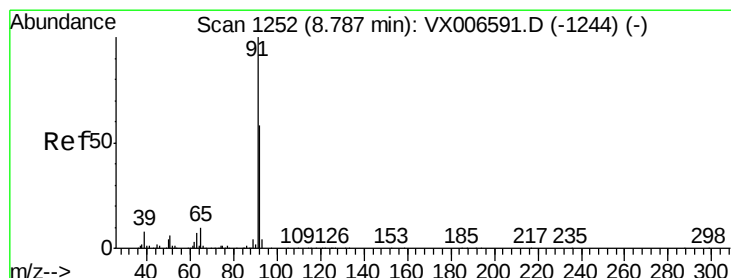
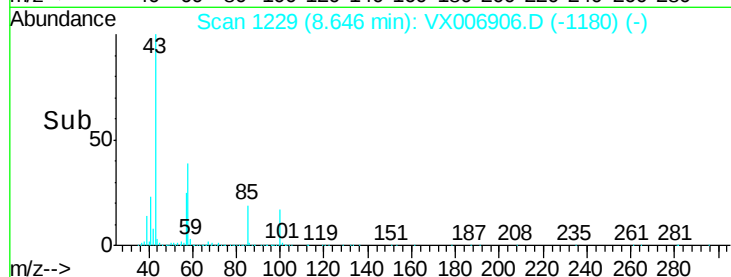
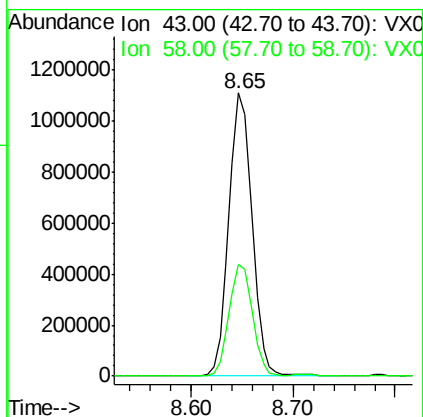
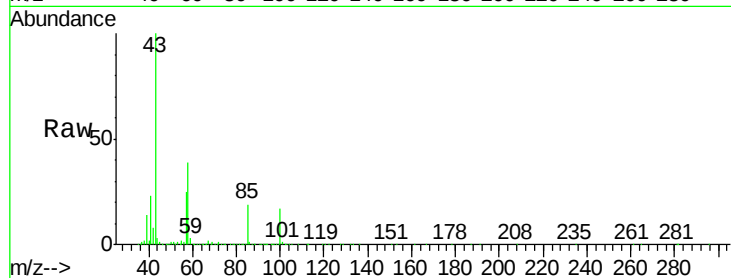
43 100

58 39.5 31.8 47.6

Manual Integrations
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1/4/2019 10:01:33 AM



#52

Toluene

Concen: 48.916 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006906.D

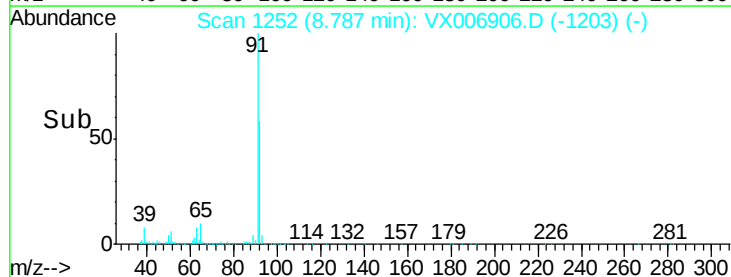
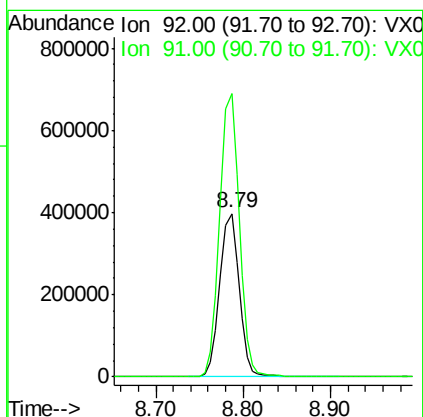
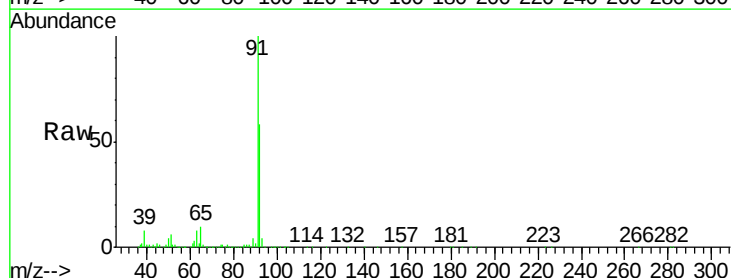
Acq: 03 Jan 2019 20:18

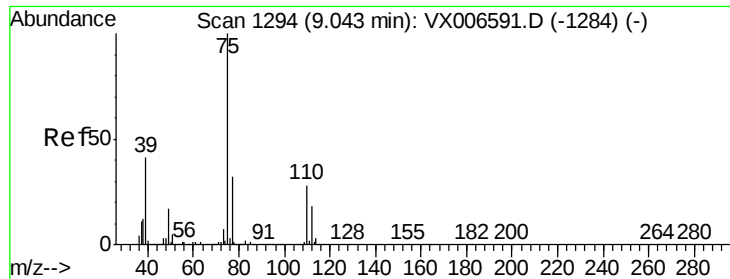
Tgt Ion: 92 Resp: 616872

Ion Ratio Lower Upper

92 100

91 174.8 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 54.396 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampled :

S32-0645MSD

Tot Ion: 75 Resp: 338421

Ion Ratio Lower Upper

75 100

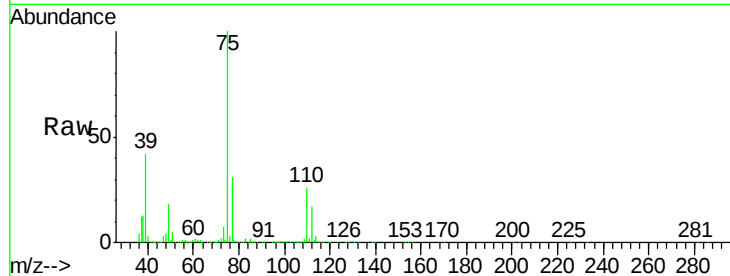
77 30.9 25.4 38.0

Manual Integrations

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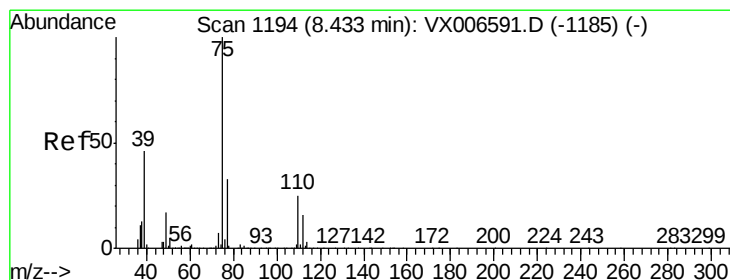
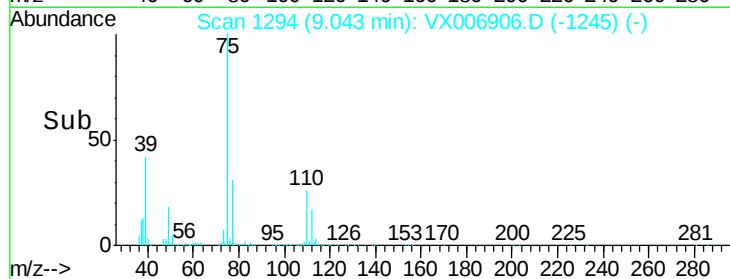
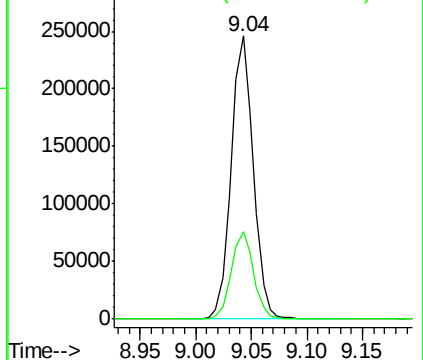
MMDadoda

1/4/2019 10:01:33 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 53.361 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

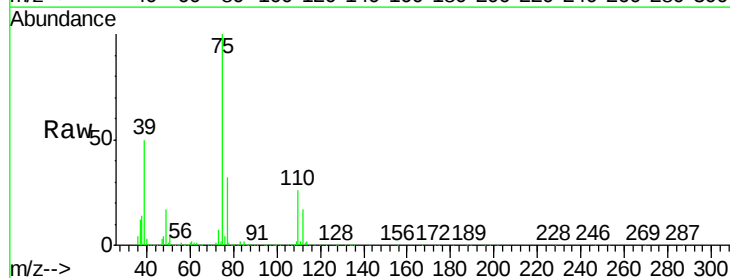
Tgt Ion: 75 Resp: 364269

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

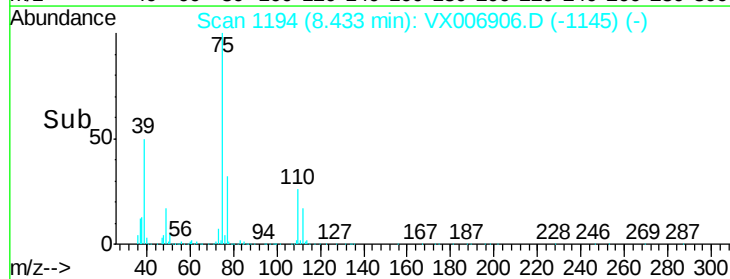
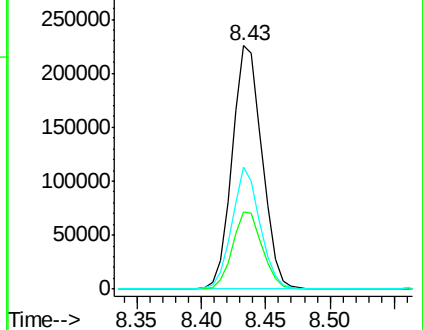
39 49.9 36.7 55.1

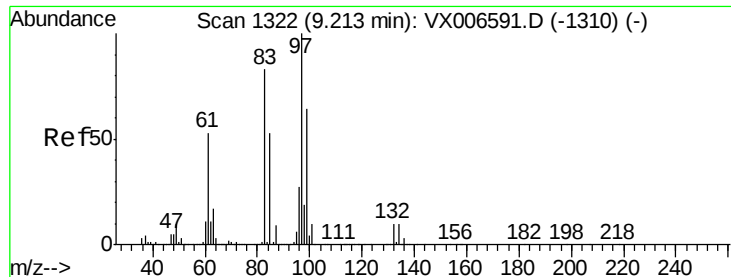


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





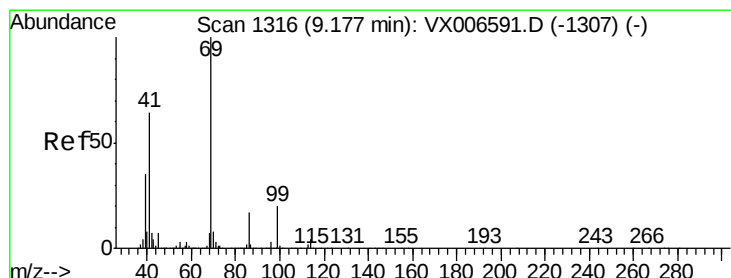
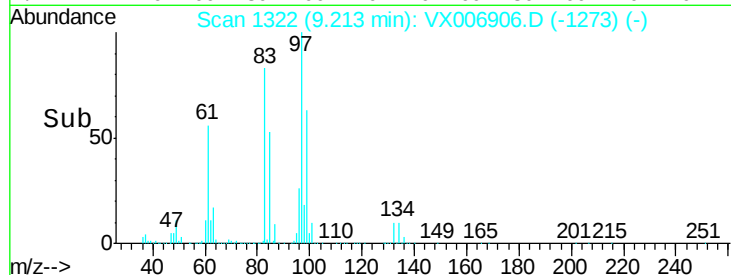
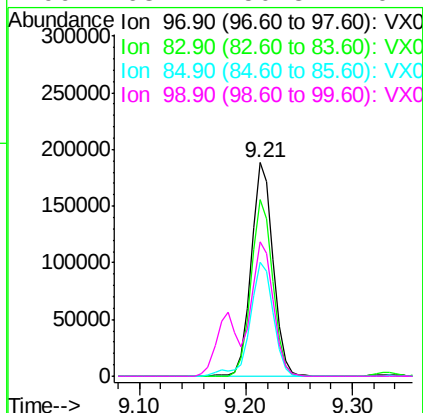
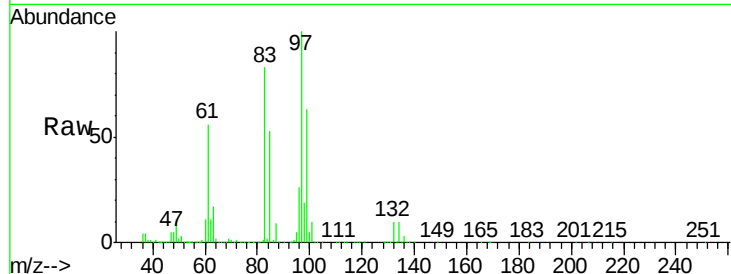
#55
 1,1,2-Trichloroethane
 Concen: 52.693 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Resp	Lower	Upper
97	100	271996		
83	82.7	66.6	99.8	
85	53.3	42.7	64.1	
99	63.1	50.8	76.2	

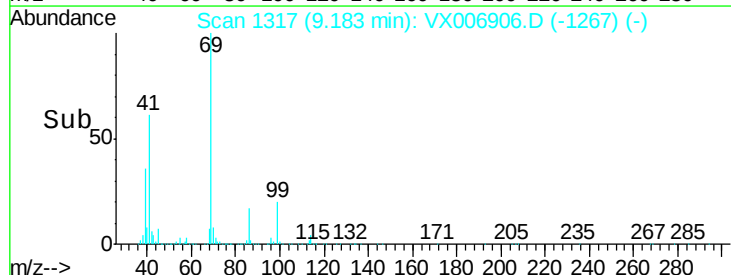
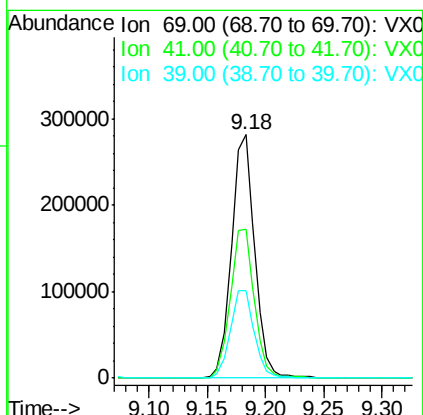
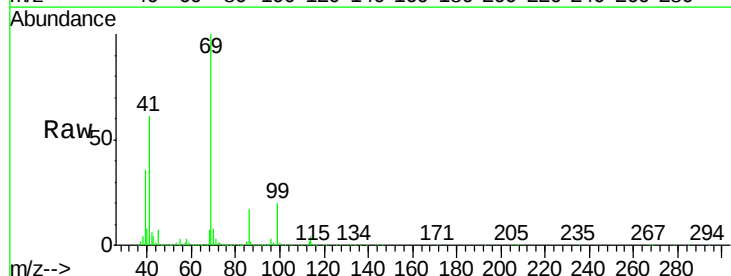
Manual Integrations
 APPROVED

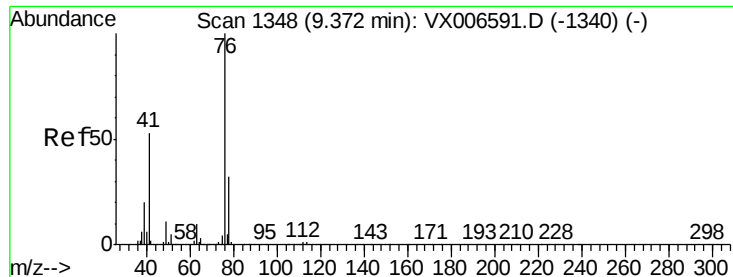
MMDadoda
 1/4/2019 10:01:33 AM



#56
 Ethyl methacrylate
 Concen: 53.492 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	390257		
41	63.4	48.7	73.1	
39	37.0	27.0	40.6	





#57

1,3-Dichloropropane

Concen: 50.867 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 76 Resp: 422444

Ion Ratio Lower Upper

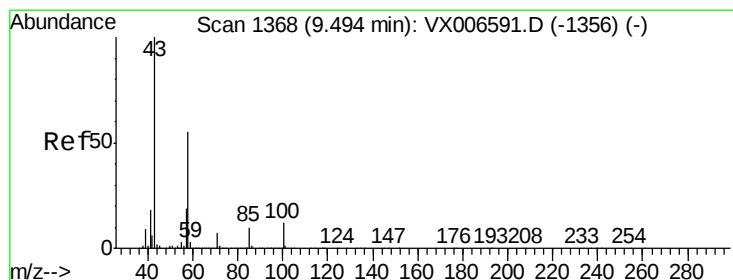
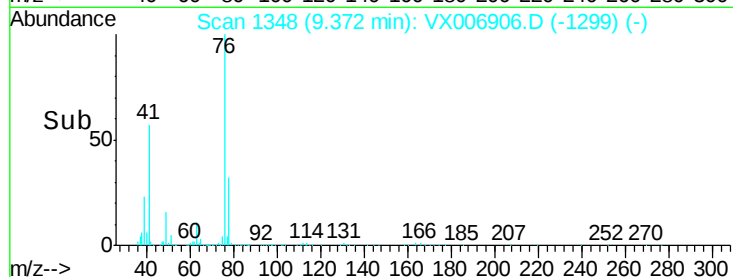
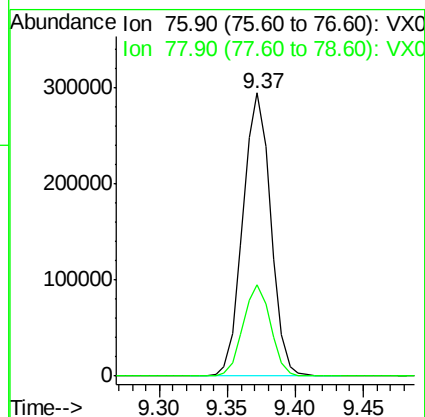
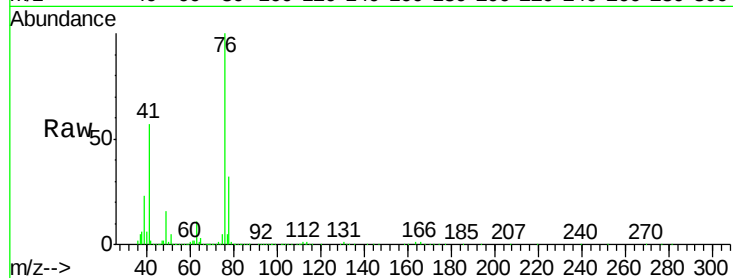
76 100

78 32.1 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

1/4/2019 10:01:33 AM



#59

2-Hexanone

Concen: 266.334 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX006906.D

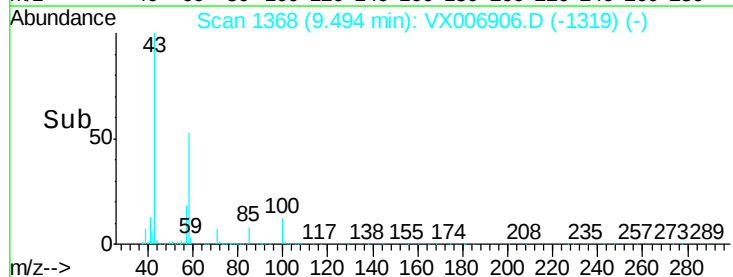
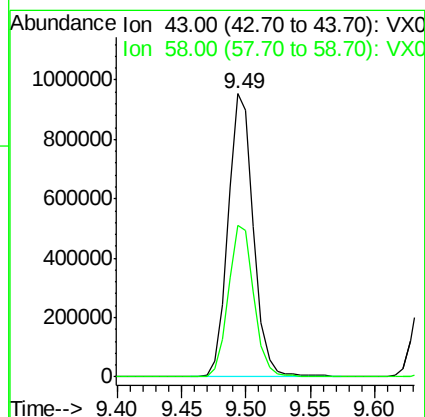
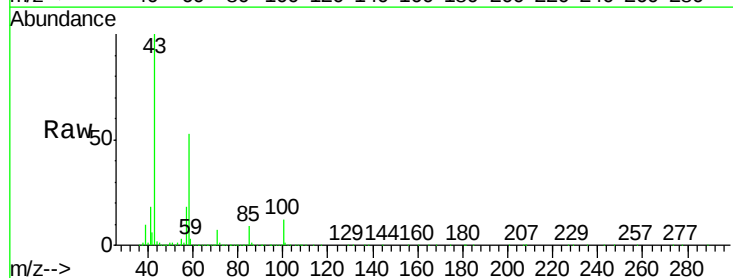
Acq: 03 Jan 2019 20:18

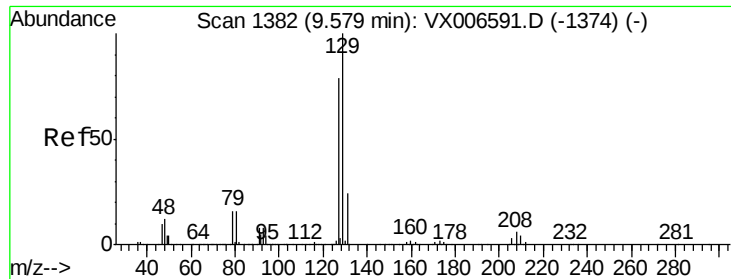
Tgt Ion: 43 Resp: 1318606

Ion Ratio Lower Upper

43 100

58 54.4 27.7 83.1





#60

Dibromochloromethane

Concen: 50.398 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion:129 Resp: 272188

Ion Ratio Lower Upper

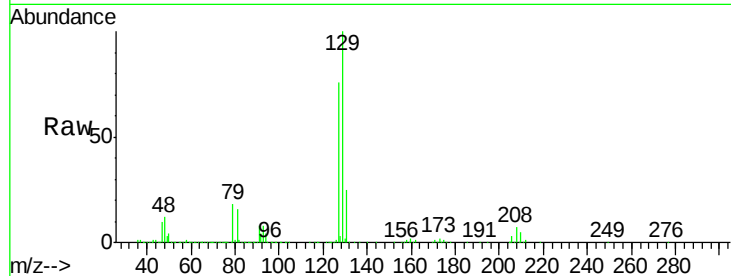
129 100

127 77.2 39.3 117.8

Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

200000

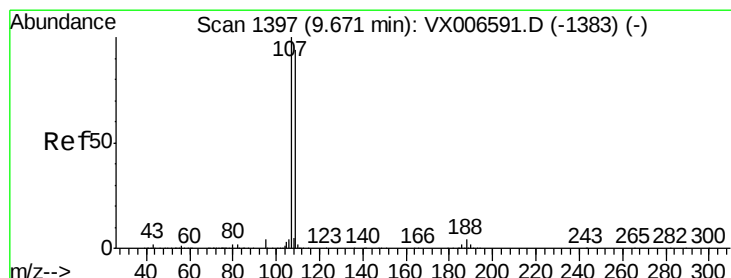
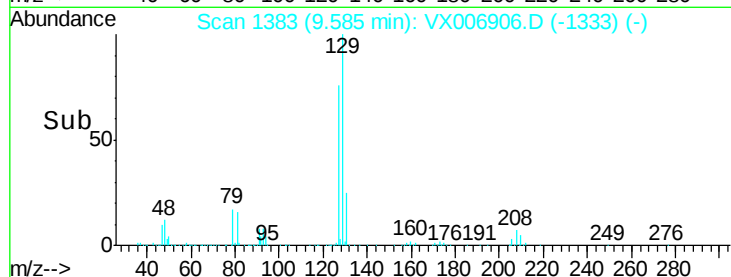
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 52.135 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006906.D

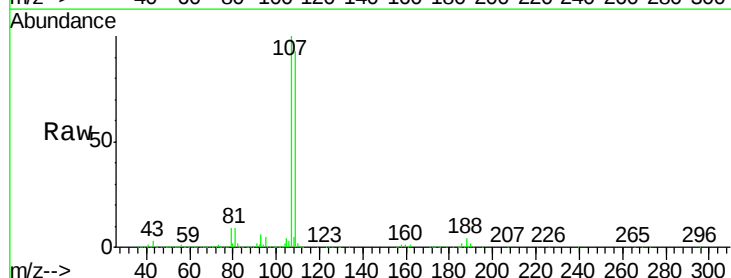
Acq: 03 Jan 2019 20:18

Tgt Ion:107 Resp: 286074

Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

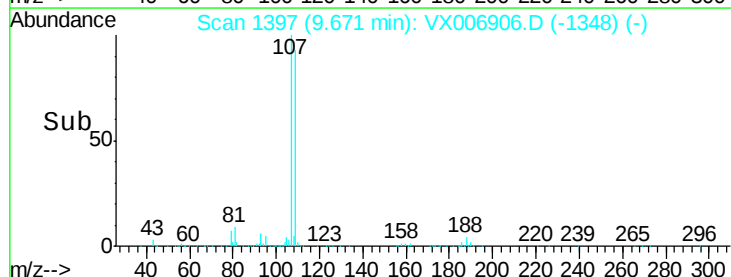
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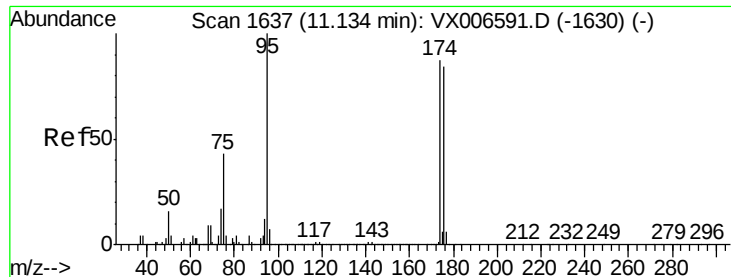
100000

50000

0

Time-->





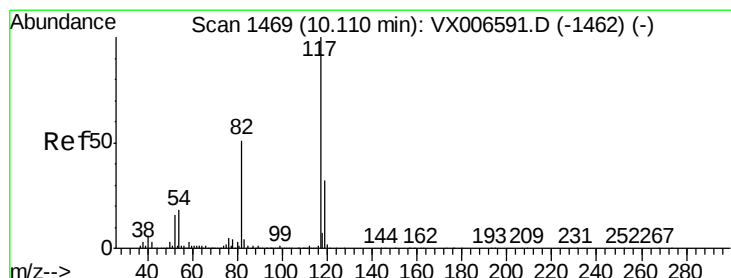
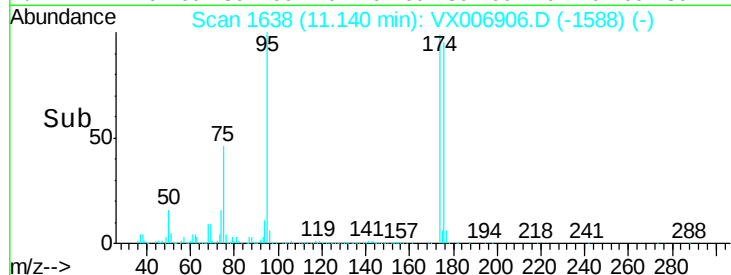
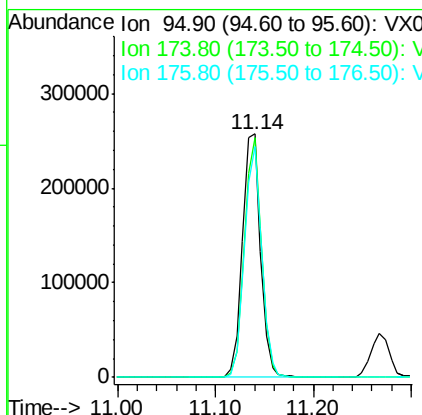
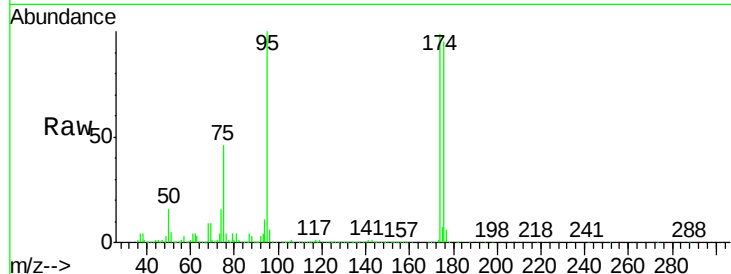
#62
4-Bromofluorobenzene
Concen: 48.758 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
S32-0645MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	330100		
174	93.7	0.0	182.2	
176	91.1	0.0	178.8	

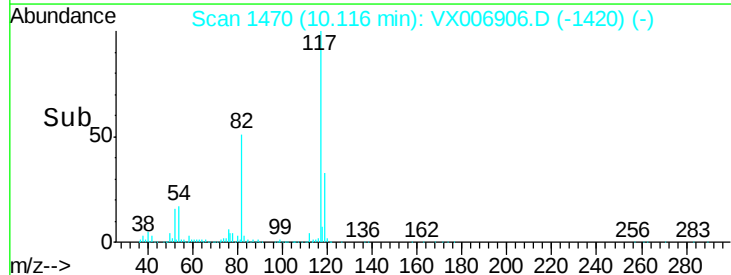
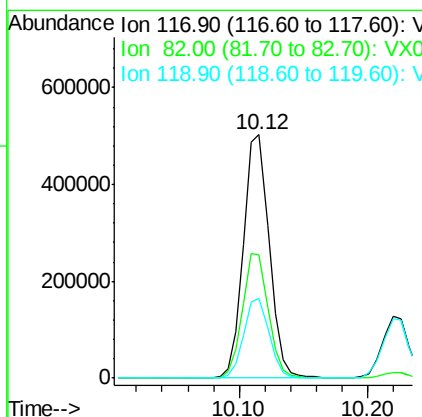
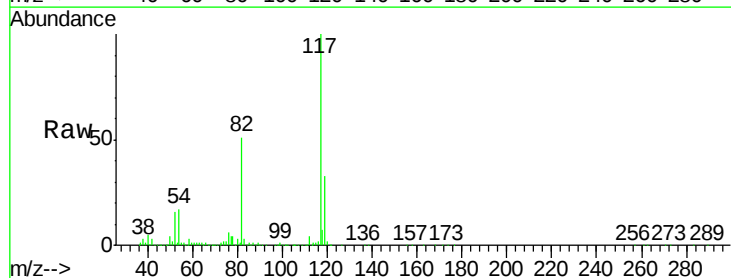
Manual Integrations
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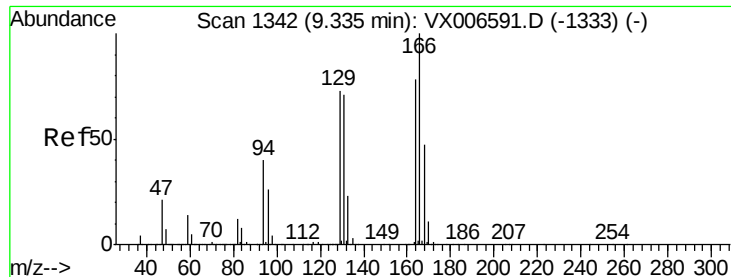
MMDadoda
1/4/2019 10:01:33 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	693441		
82	50.7	41.0	61.6	
119	32.7	25.4	38.0	





#64

Tetrachloroethene

Concen: 47.393 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion:164 Resp: 260236

Ion Ratio Lower Upper

164 100

166 128.7 102.5 153.7

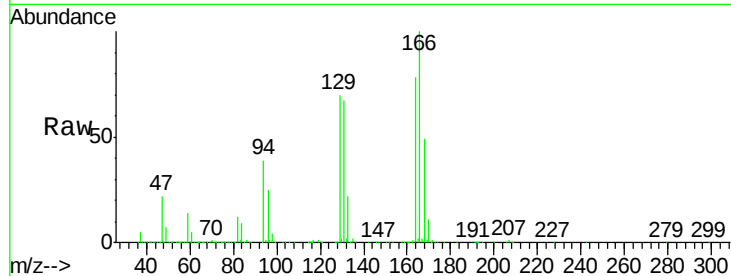
129 89.8 75.1 112.7

131 86.8 72.7 109.1

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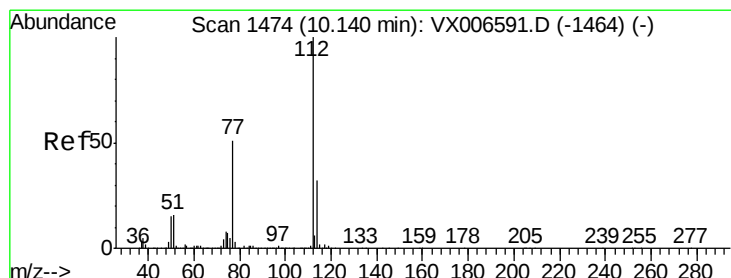
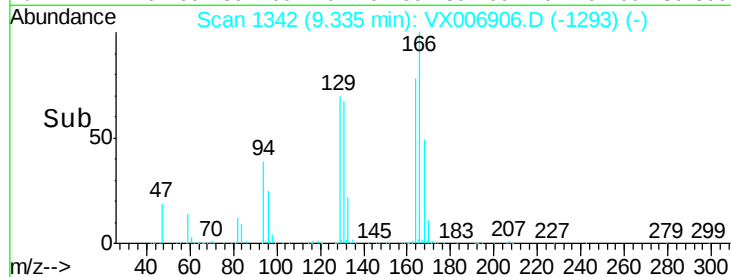
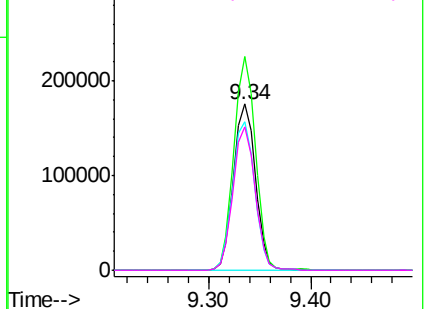


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.458 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006906.D

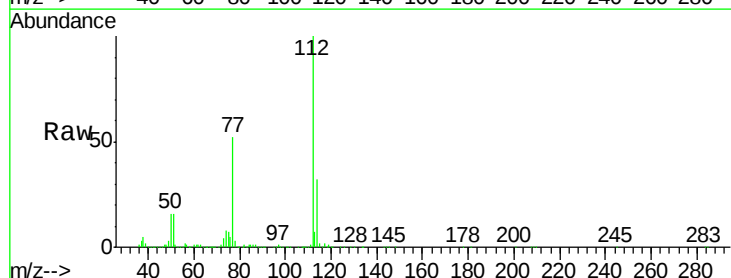
Acq: 03 Jan 2019 20:18

Tgt Ion:112 Resp: 725572

Ion Ratio Lower Upper

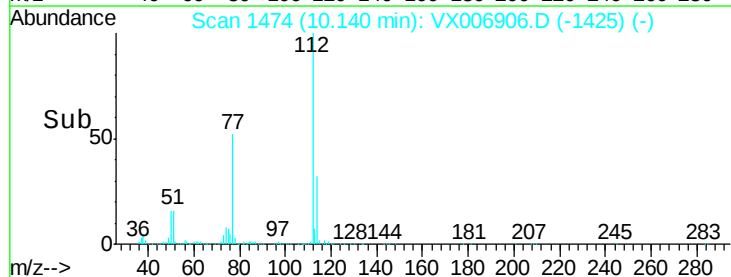
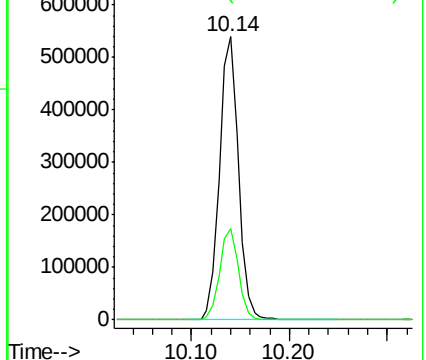
112 100

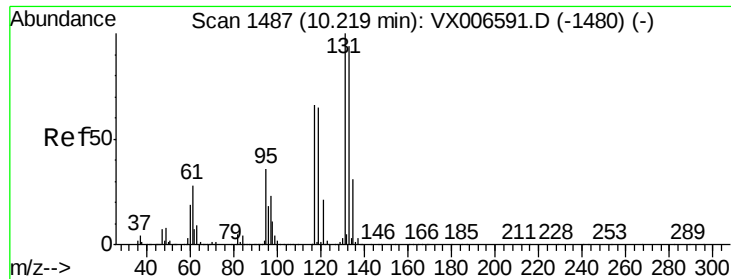
114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 56.996 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

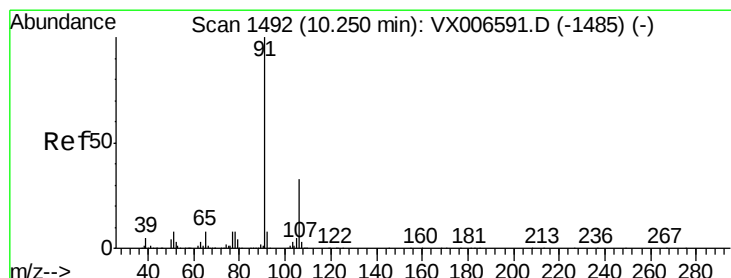
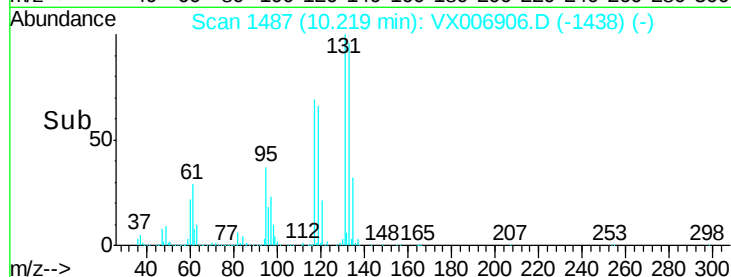
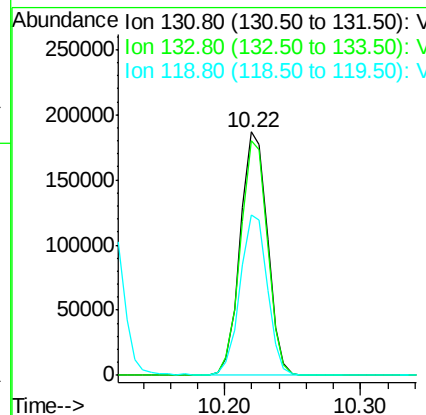
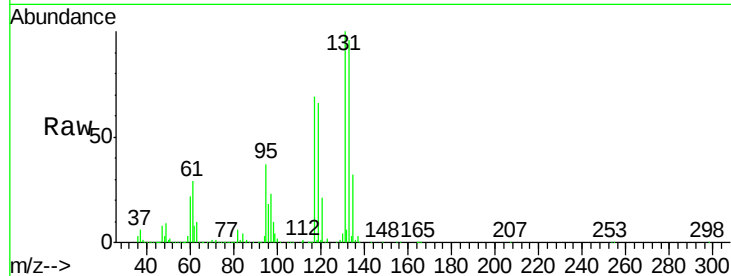
ClientSampleId :

S32-0645MSD

Tot Ion:	131	Resp:	260875
Ion Ratio	Lower	Upper	
131	100		
133	96.0	48.0	144.2
119	66.3	32.6	97.8

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#67

Ethyl Benzene

Concen: 48.900 ug/l

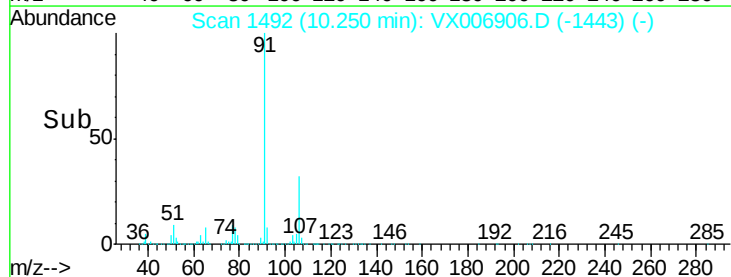
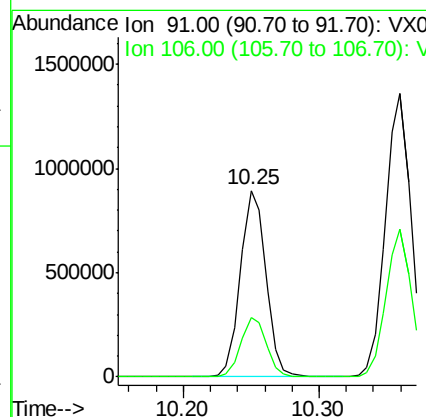
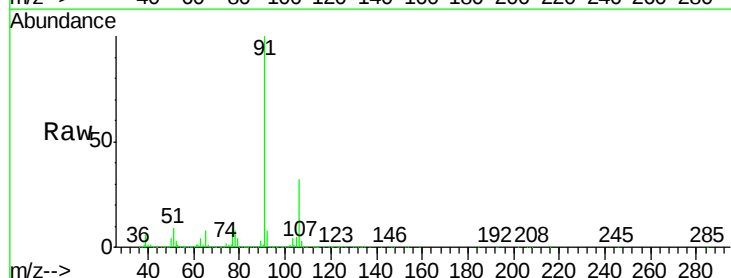
RT: 10.25 min Scan# 1492

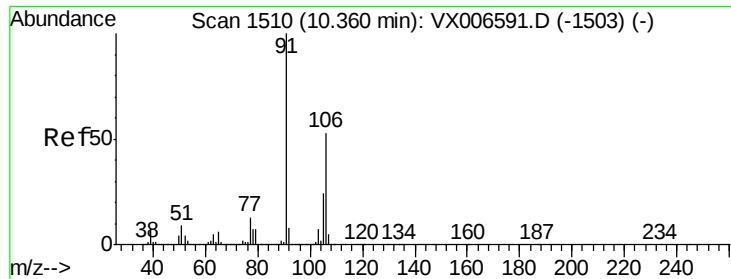
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	91	Resp:	1172247
Ion Ratio	Lower	Upper	
91	100		
106	32.0	26.4	39.6





#68

m/p-Xvlenes

Concen: 97.802 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion:106 Resp: 925150

Ion Ratio Lower Upper

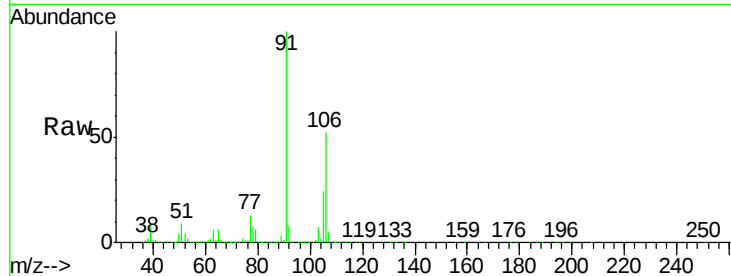
106 100

91 194.1 155.8 233.6

Manual Integrations
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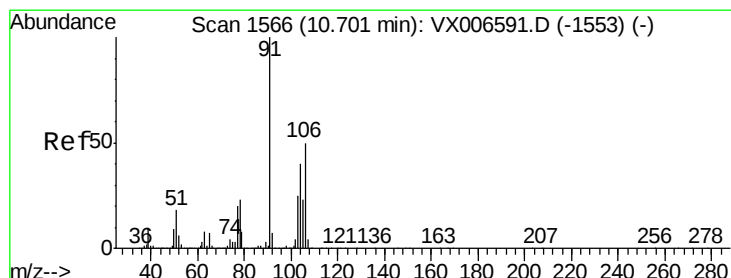
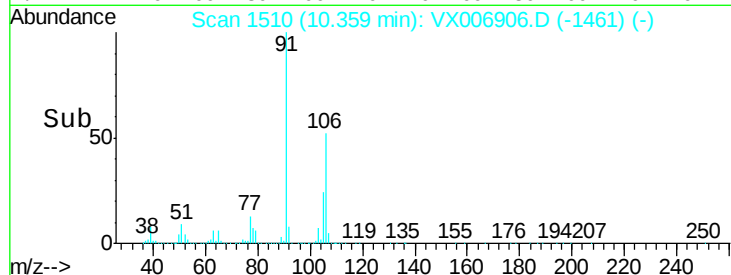
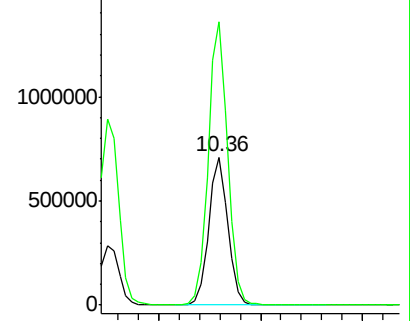
MMDadoda

1/4/2019 10:01:33 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 48.721 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX006906.D

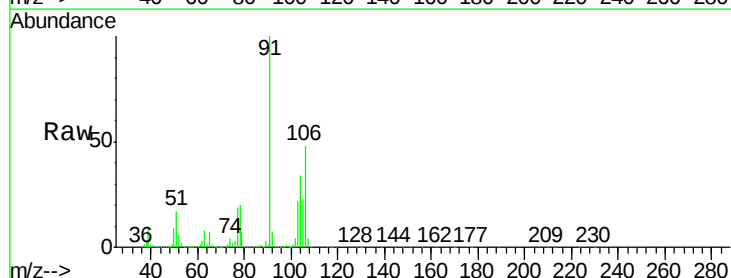
Acq: 03 Jan 2019 20:18

Tgt Ion:106 Resp: 455103

Ion Ratio Lower Upper

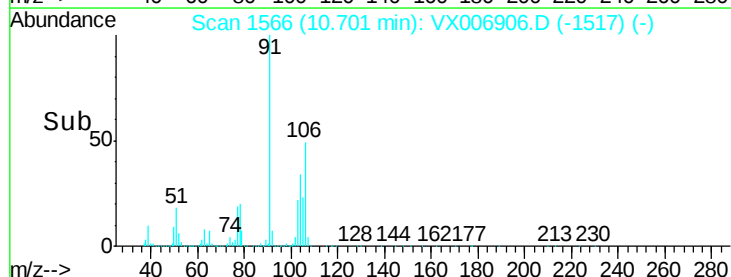
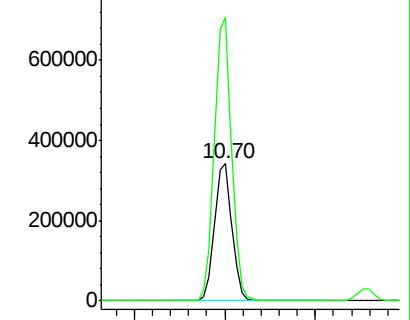
106 100

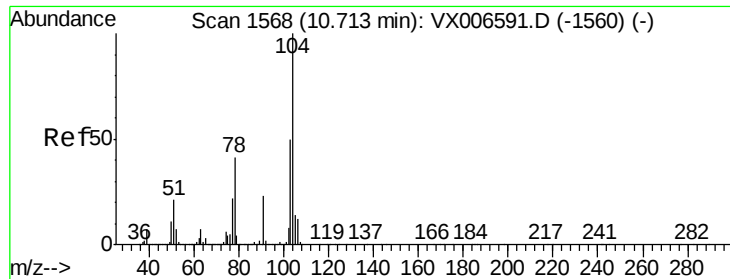
91 205.0 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





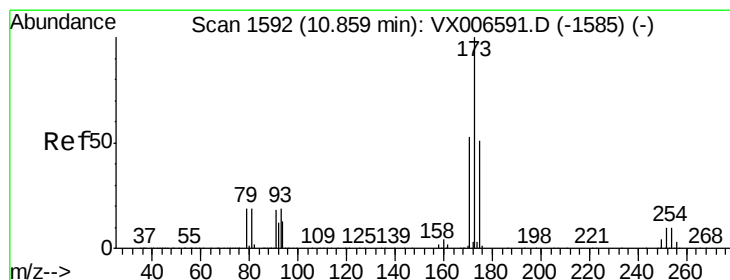
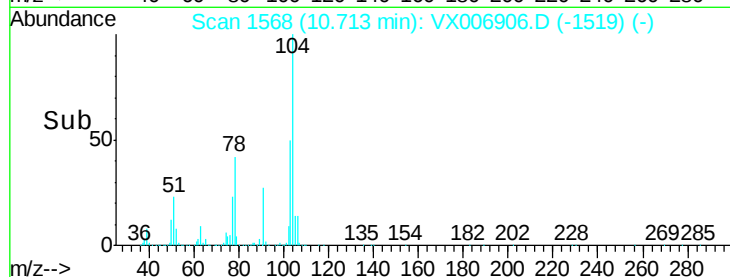
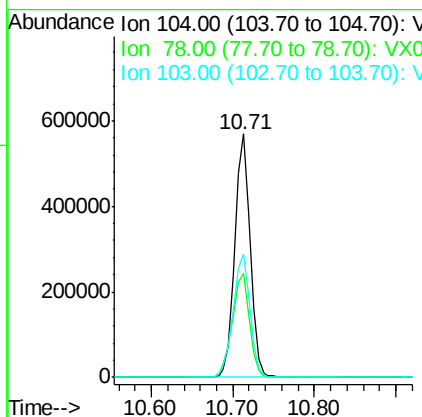
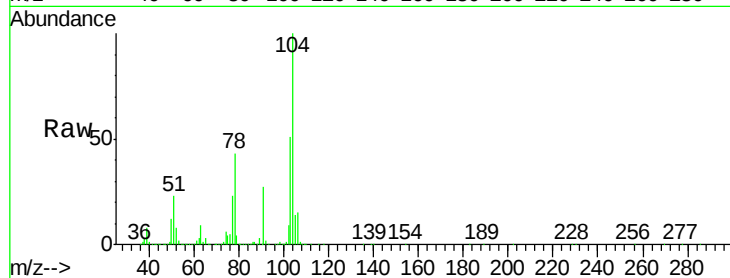
#70
Stvrene
Concen: 49.540 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
S32-0645MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.7	56.5
103	55.8	43.8	65.8

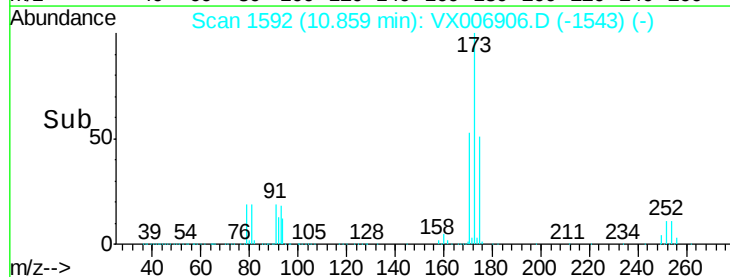
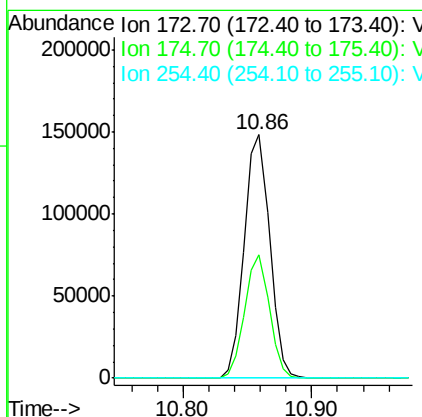
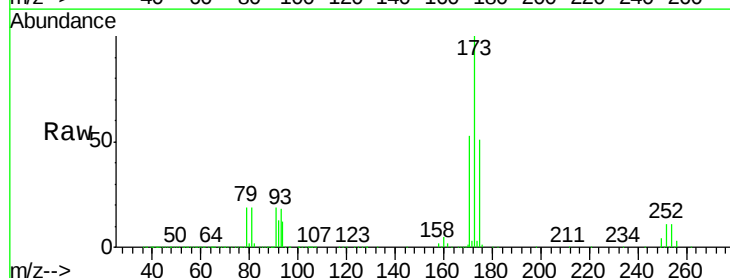
Manual Integrations
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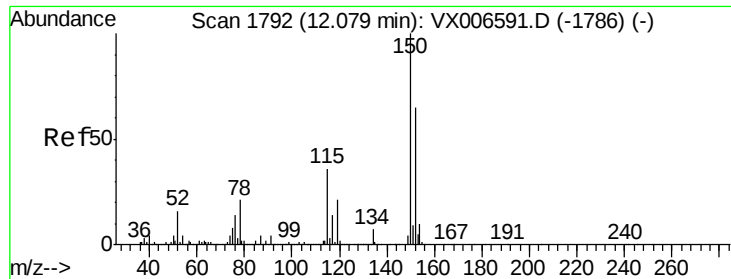
MMDadoda
1/4/2019 10:01:33 AM



#71
Bromoform
Concen: 49.165 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

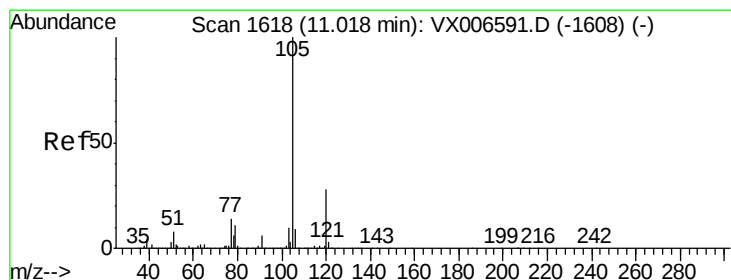
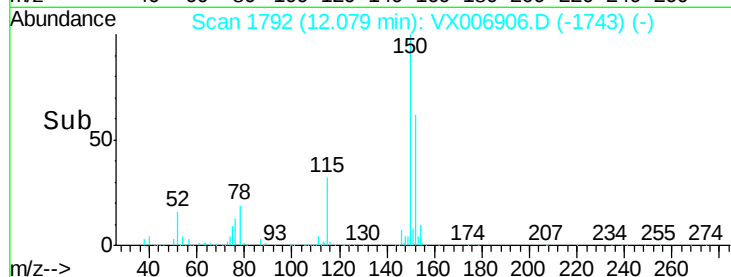
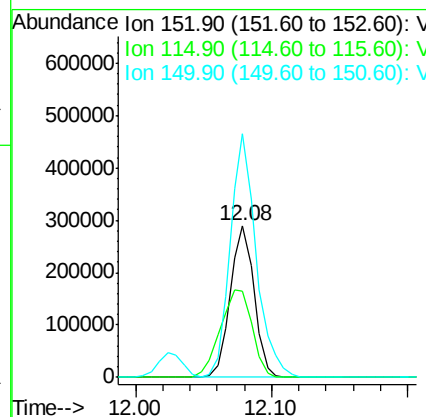
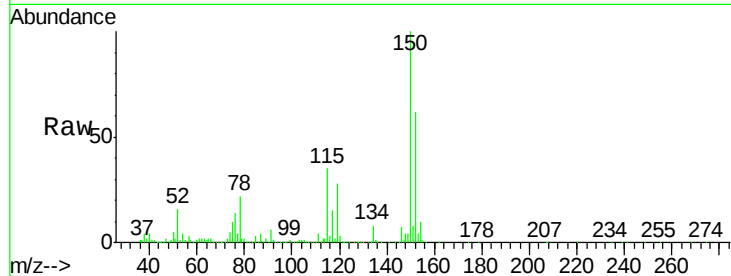
ClientSampleId :

S32-0645MSD

Tot Ion:	152	Resp:	350016
Ion Ratio	Lower	Upper	
152	100		
115	77.2	39.1	117.2
150	174.6	0.0	344.8

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1/4/2019 10:01:33 AM



#73

Isopropylbenzene

Concen: 49.921 ug/l

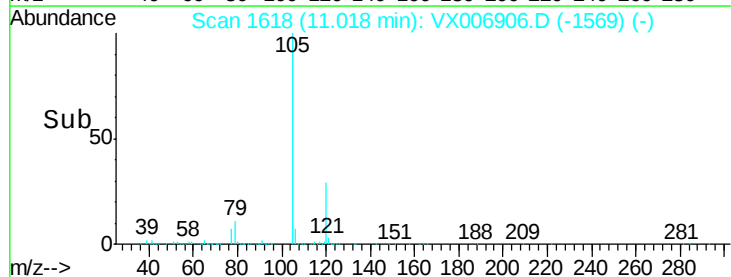
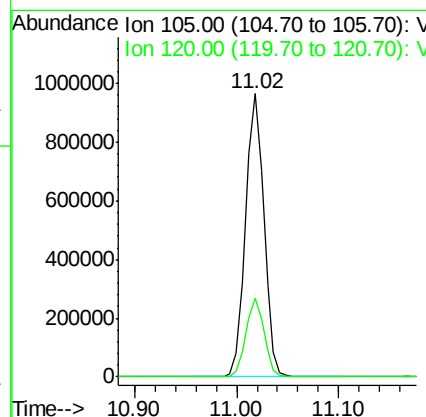
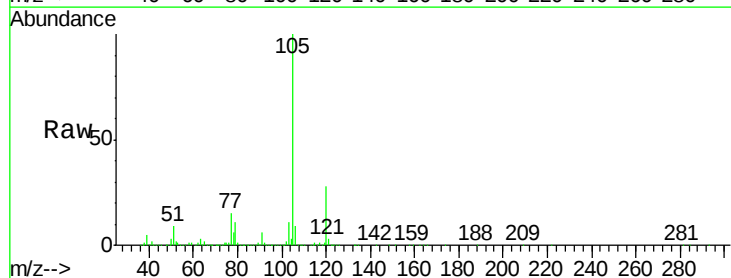
RT: 11.02 min Scan# 1618

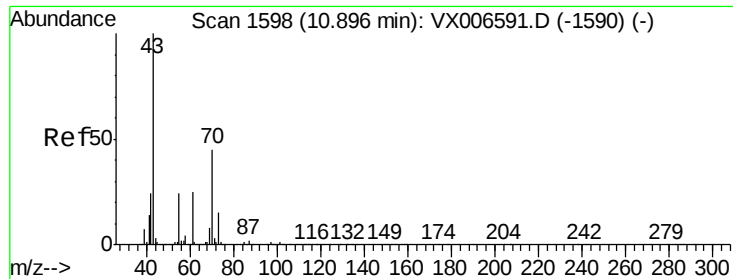
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	105	Resp:	1195379
Ion Ratio	Lower	Upper	
105	100		
120	27.6	14.1	42.4





#74

N-amvl acetate

Concen: 54.833 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

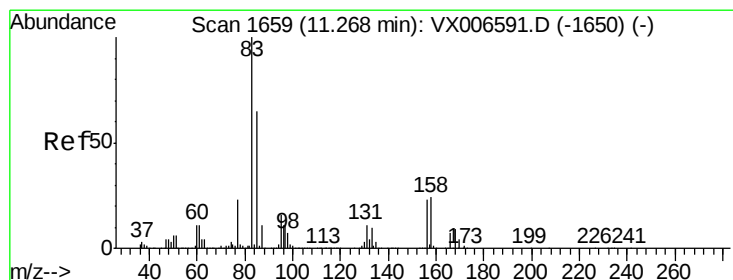
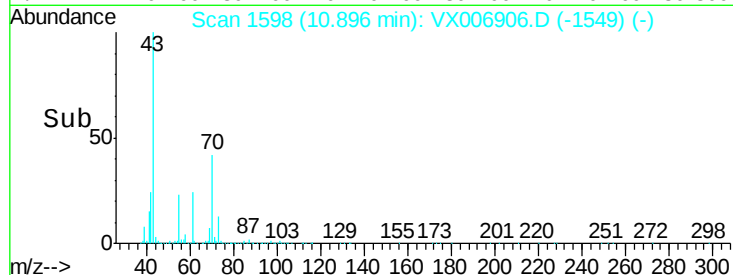
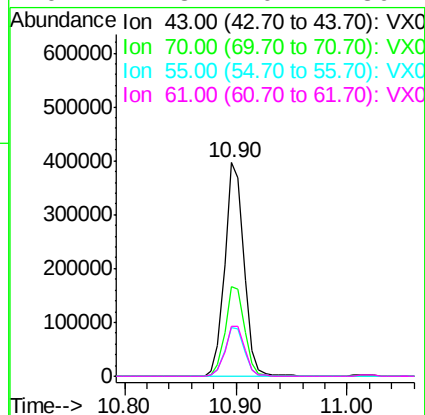
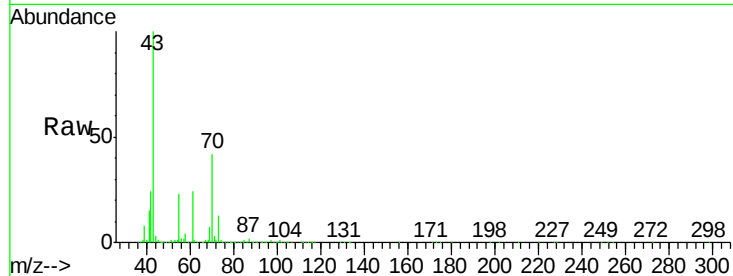
ClientSampleId :

S32-0645MSD

Tot Ion:	43	Resp:	469976
Ion	Ratio	Lower	Upper
43	100		
70	42.6	35.8	53.8
55	23.6	19.4	29.0
61	24.3	20.1	30.1

Manual Integrations
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MMDadoda
1/4/2019 10:01:33 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 55.133 ug/l

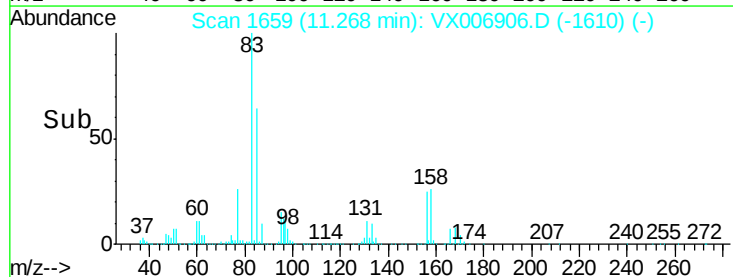
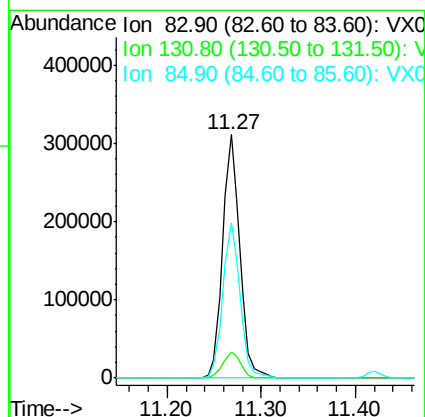
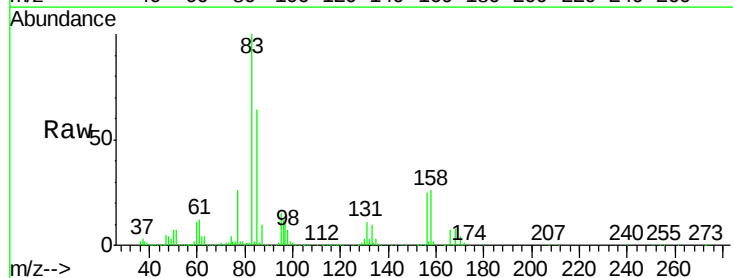
RT: 11.27 min Scan# 1659

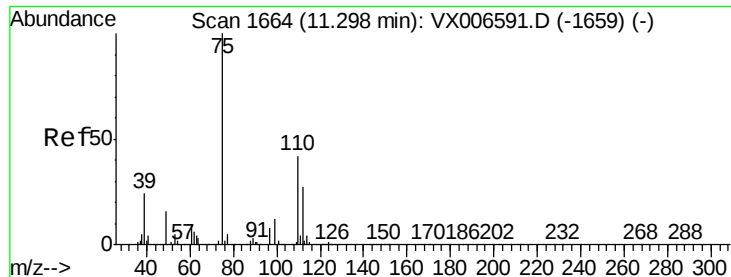
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	83	Resp:	392619
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.7	17.1
85	64.5	32.2	96.6





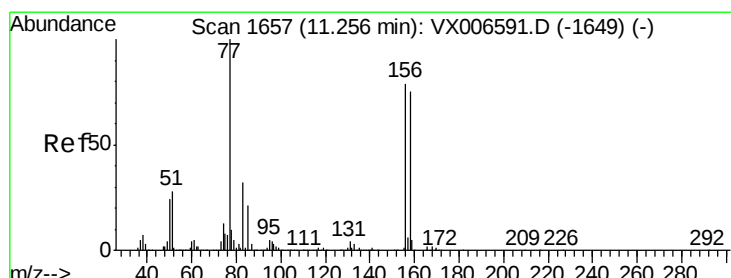
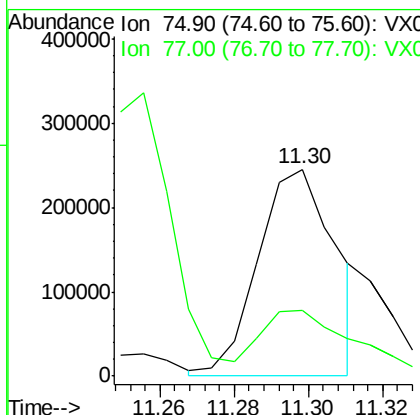
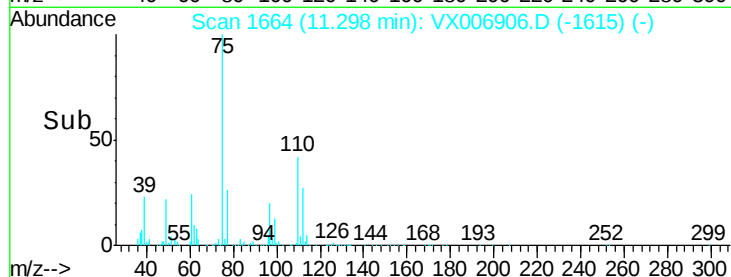
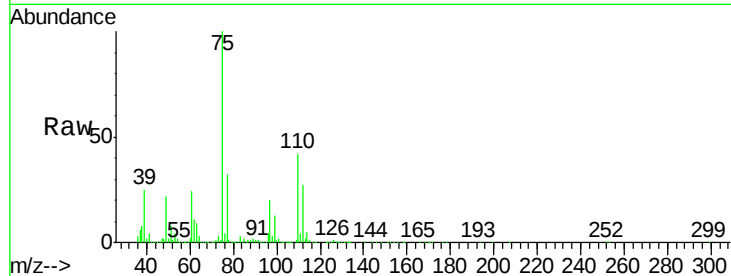
#76
1,2,3-Trichloropropane
Concen: 54.494 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
S32-0645MSD

Tot Ion: 75 Resp: 354469
Ion Ratio Lower Upper
75 100
77 38.3 18.5 55.5

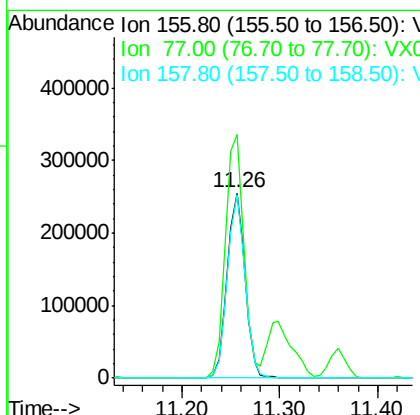
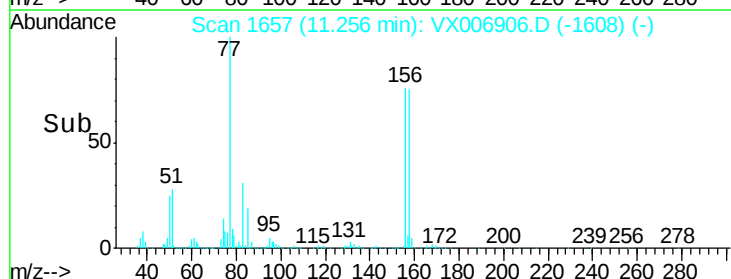
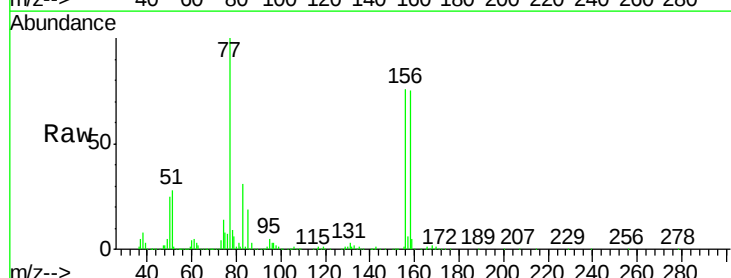
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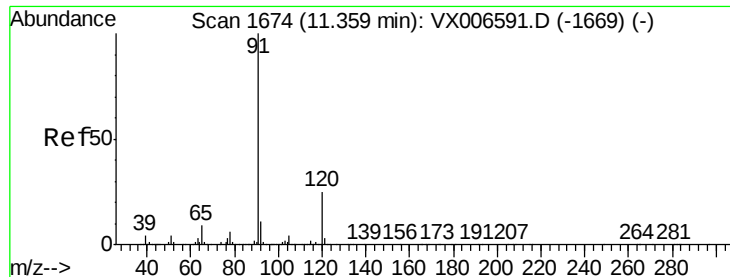
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#77
Bromobenzene
Concen: 50.374 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion: 156 Resp: 326106
Ion Ratio Lower Upper
156 100
77 136.2 68.0 204.0
158 98.0 48.3 144.8





#78

n-propylbenzene

Concen: 49.825 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampleId :

S32-0645MSD

Tot Ion: 91 Resp: 1313810

Ion Ratio Lower Upper

91 100

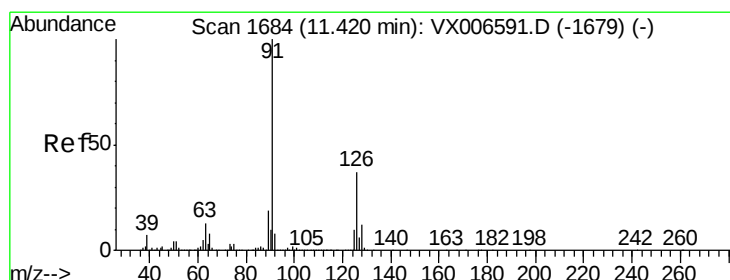
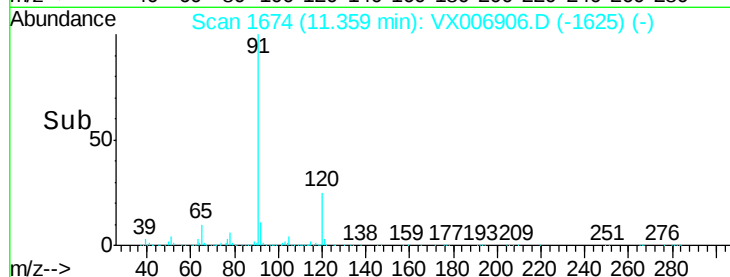
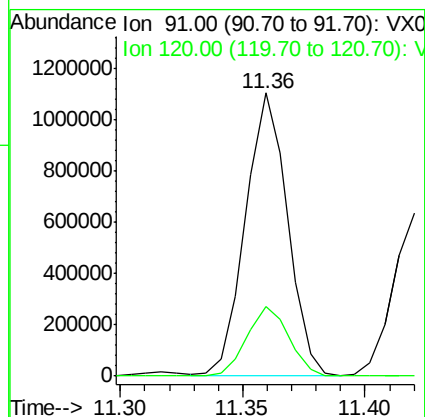
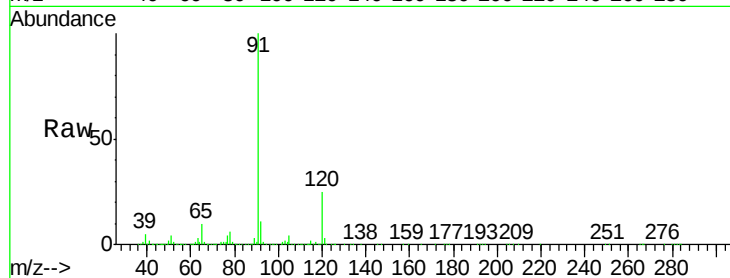
120 24.8 12.7 38.0

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#79

2-Chlorotoluene

Concen: 48.164 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006906.D

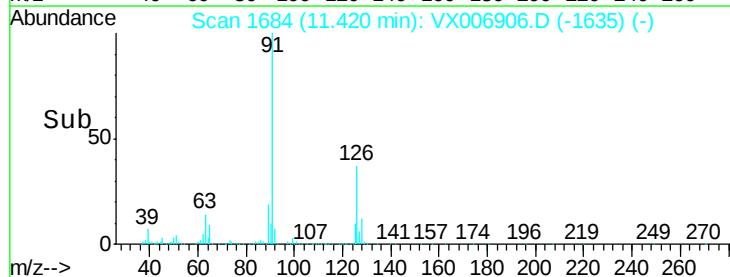
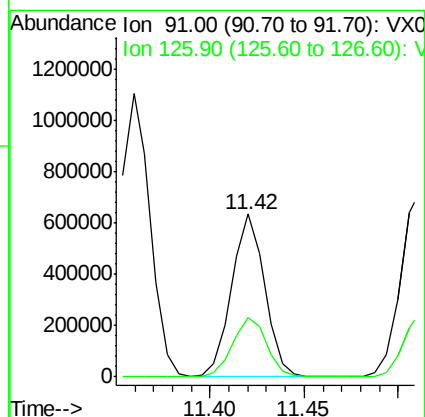
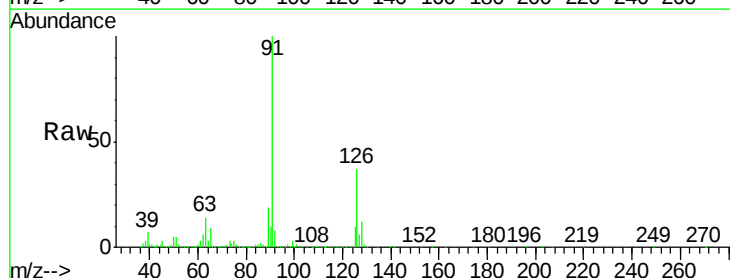
Acq: 03 Jan 2019 20:18

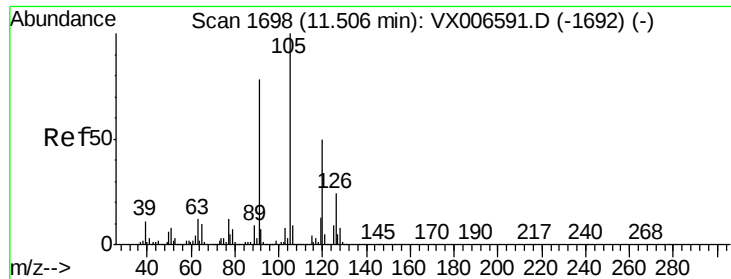
Tgt Ion: 91 Resp: 769646

Ion Ratio Lower Upper

91 100

126 37.6 18.6 56.0





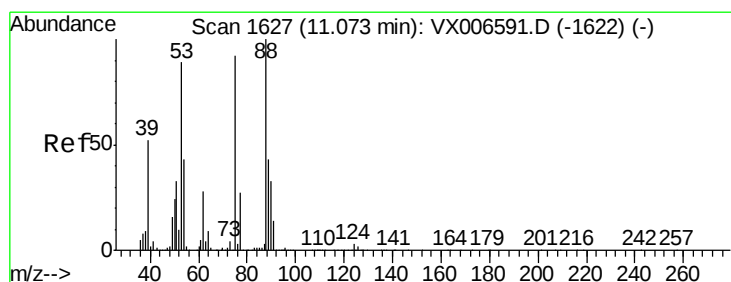
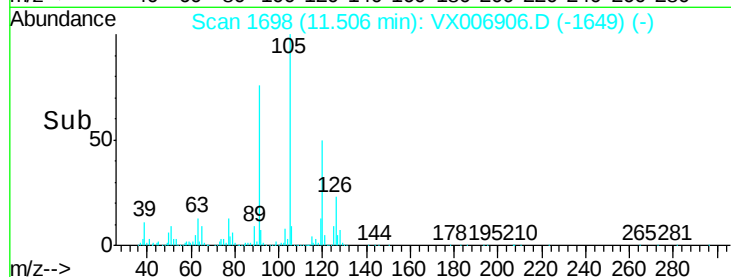
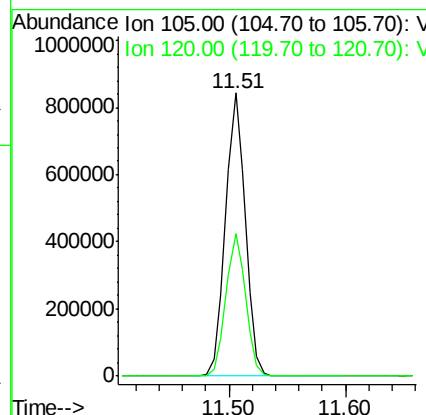
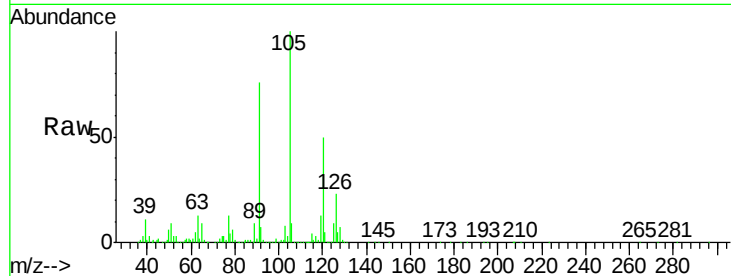
#80
 1,3,5-Trimethylbenzene
 Concen: 49.989 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion:105 Resp: 985922
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3

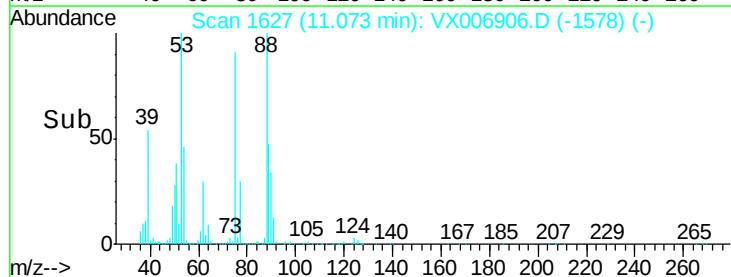
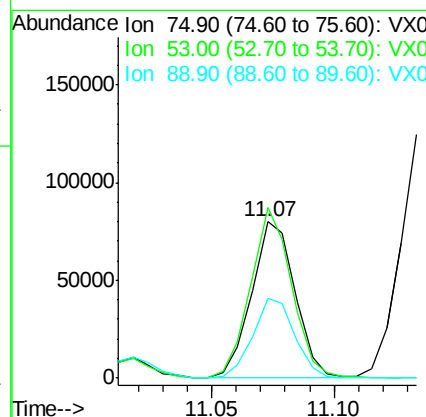
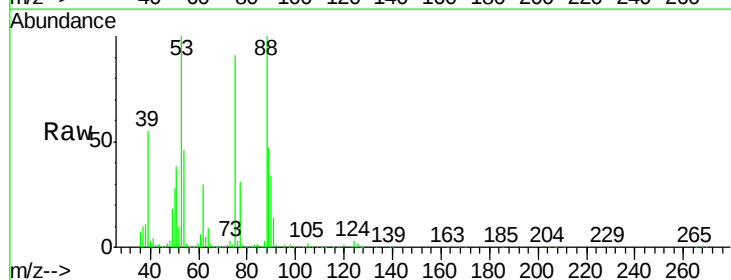
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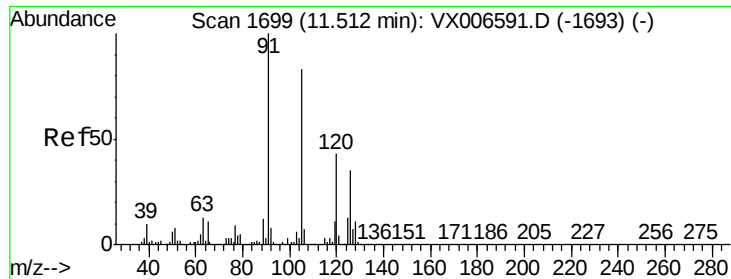
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.230 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion: 75 Resp: 98067
 Ion Ratio Lower Upper
 75 100
 53 103.3 79.7 119.5
 89 50.0 38.0 57.0





#82

4-Chlorotoluene

Concen: 49.073 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

ClientSampled :

S32-0645MSD

Tot Ion: 91 Resp: 899503

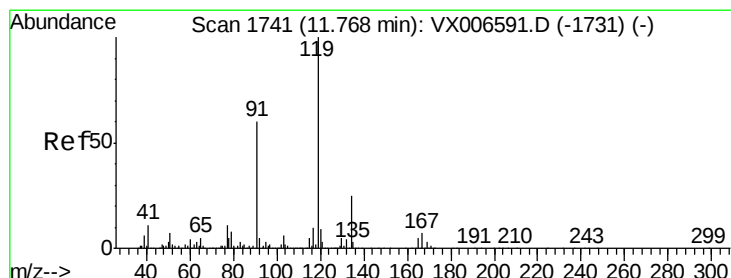
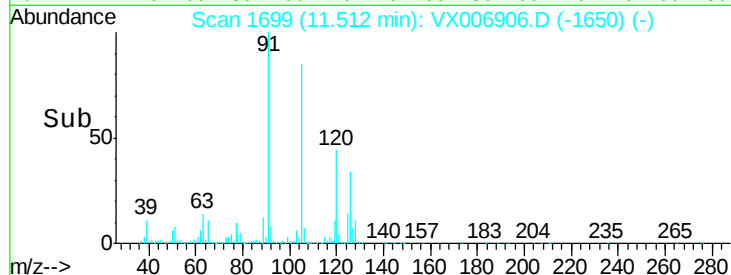
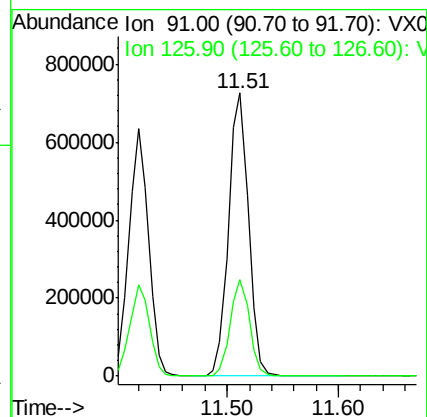
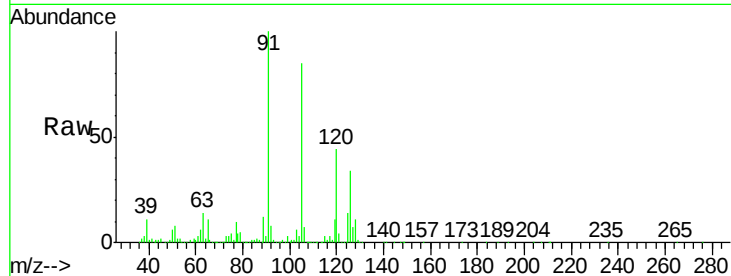
Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.9

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#83

tert-Butylbenzene

Concen: 51.475 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

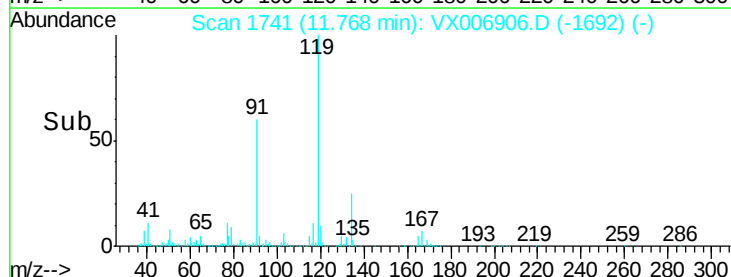
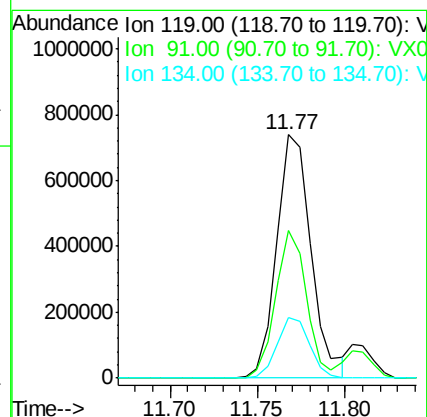
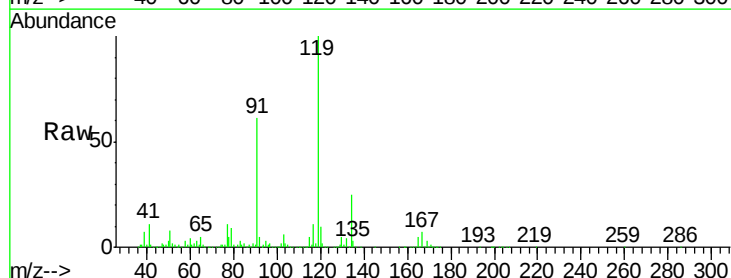
Tgt Ion: 119 Resp: 1016096

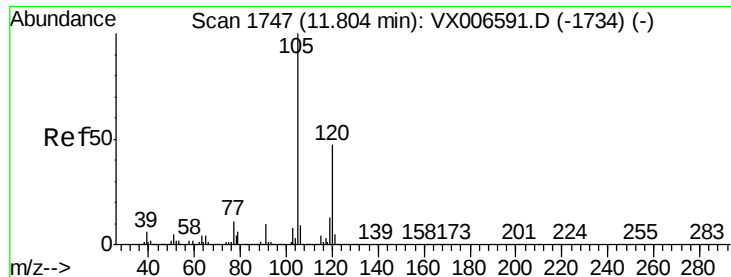
Ion Ratio Lower Upper

119 100

91 54.3 27.7 83.1

134 23.6 11.9 35.5





#84

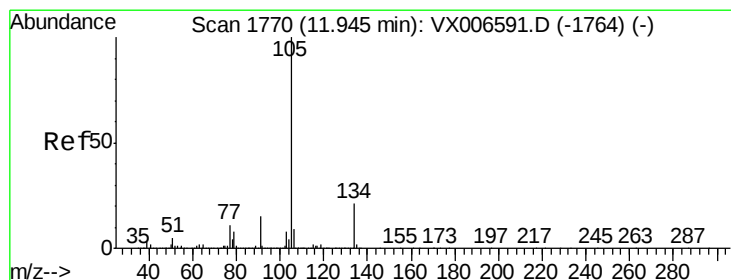
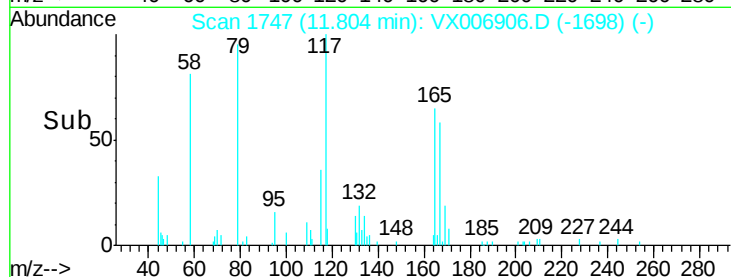
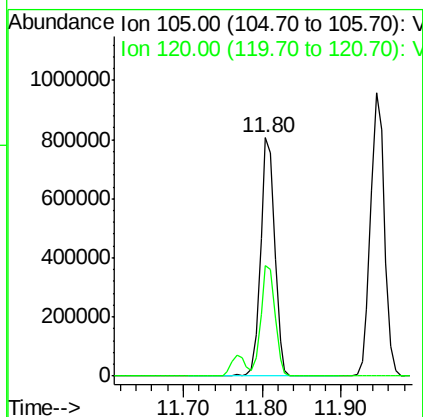
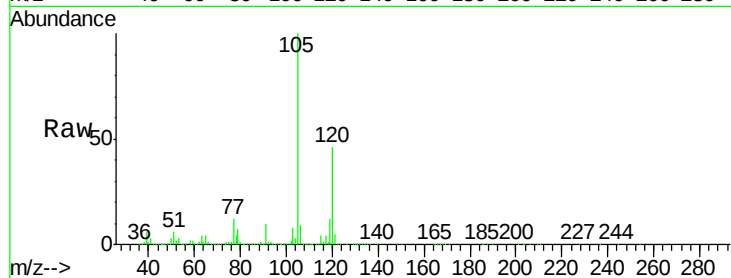
1,2,4-Trimethylbenzene
Concen: 48.482 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampled :
S32-0645MSD

Tot Ion:105 Resp: 1005764
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.6

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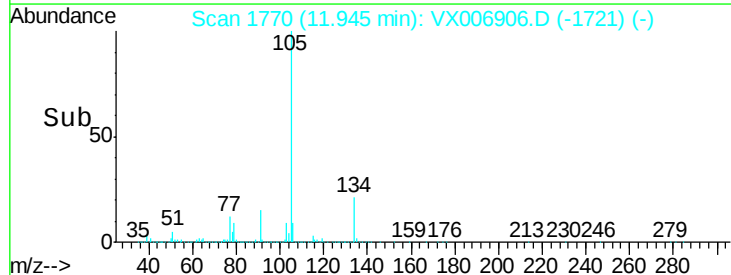
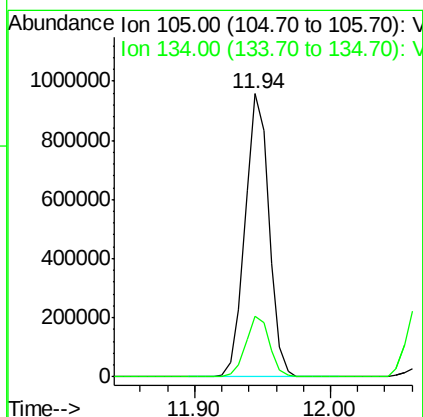
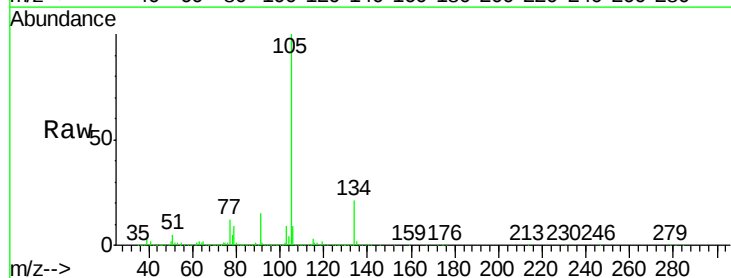
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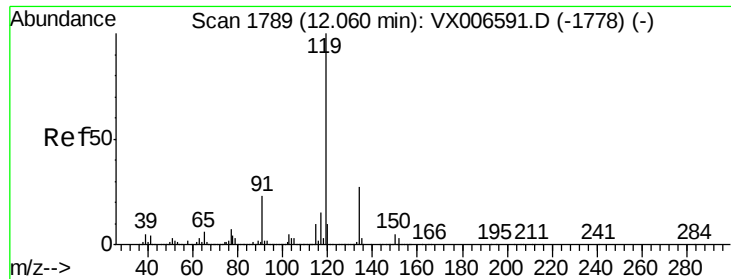


#85

sec-Butylbenzene
Concen: 48.376 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion:105 Resp: 1170777
Ion Ratio Lower Upper
105 100
134 21.3 10.7 31.9





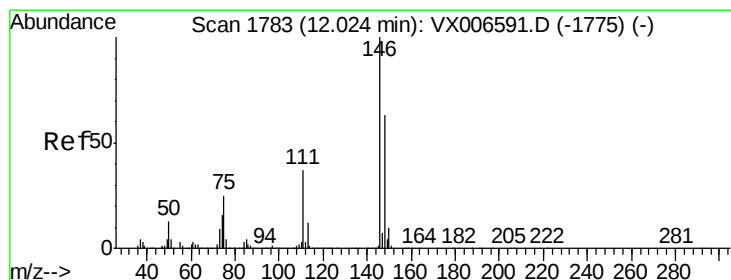
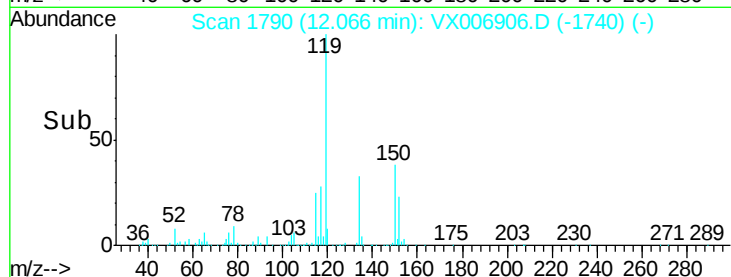
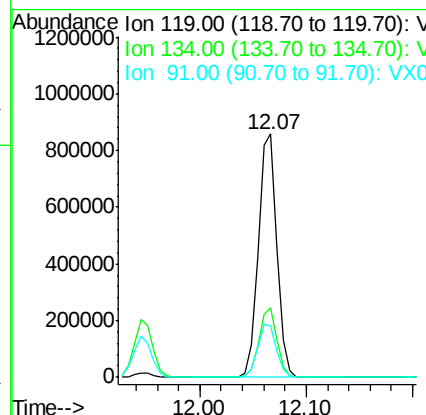
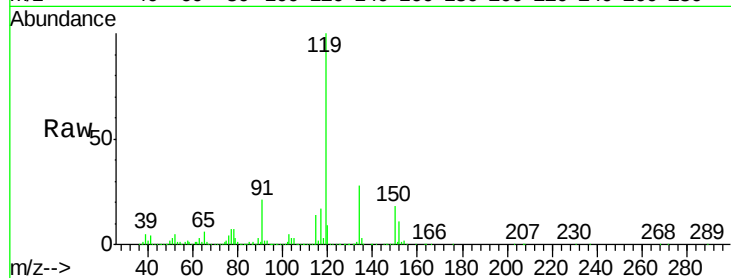
#86
p-Isopropyltoluene
Concen: 49.031 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampleId :
S32-0645MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	14.0	41.9
91	22.3	11.3	33.9

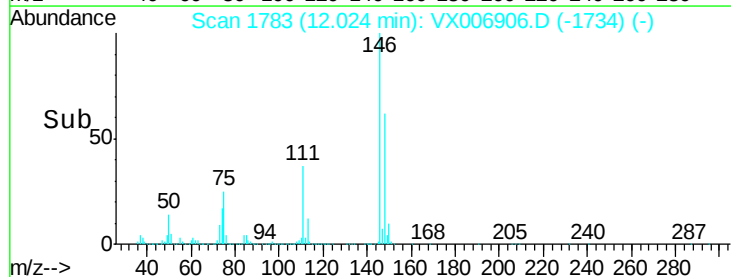
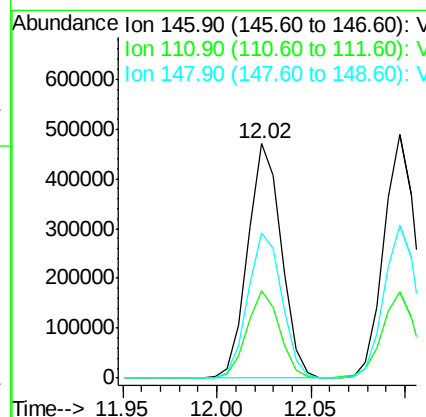
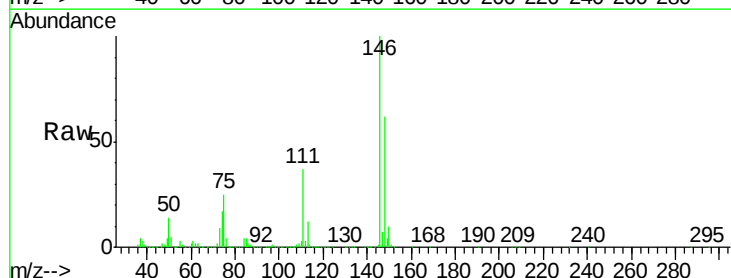
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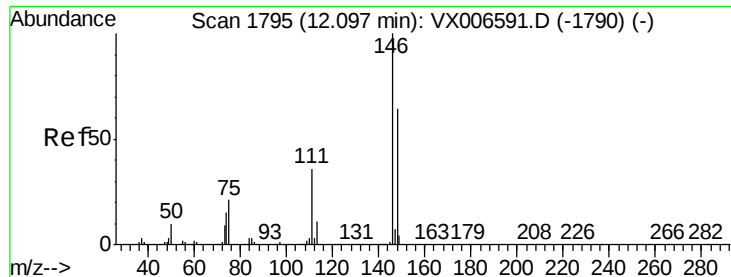
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#87
1,3-Dichlorobenzene
Concen: 49.842 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.8
148	63.0	31.8	95.3





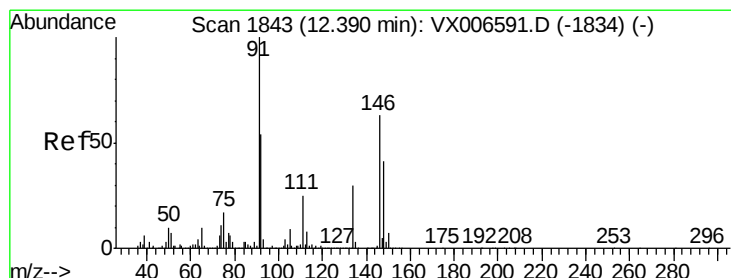
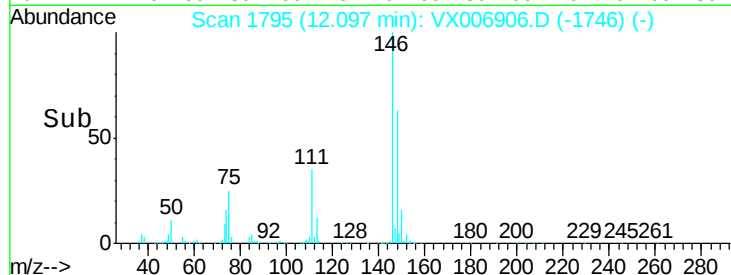
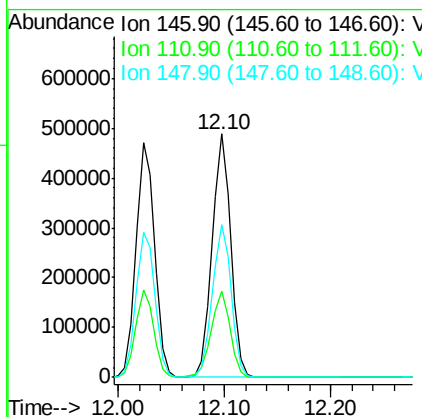
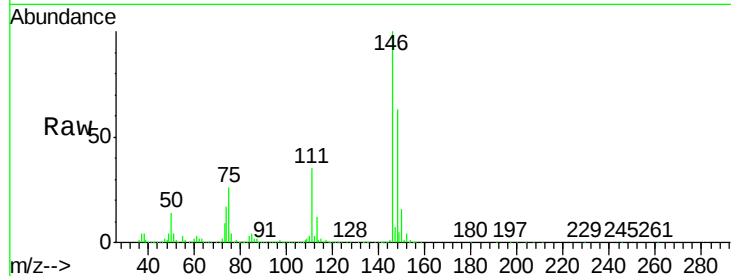
#88
 1,4-Dichlorobenzene
 Concen: 48.791 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	63.7	31.9	95.9

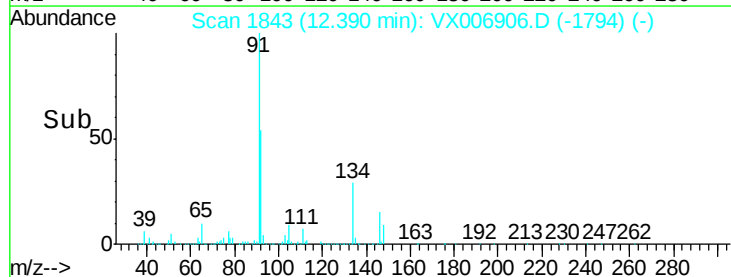
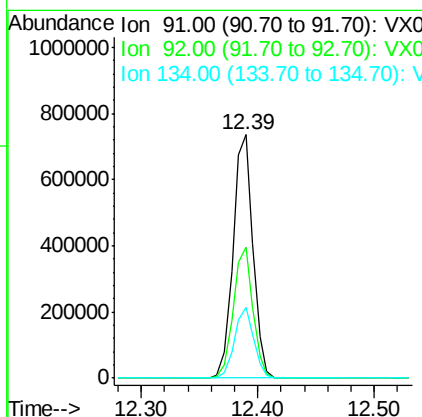
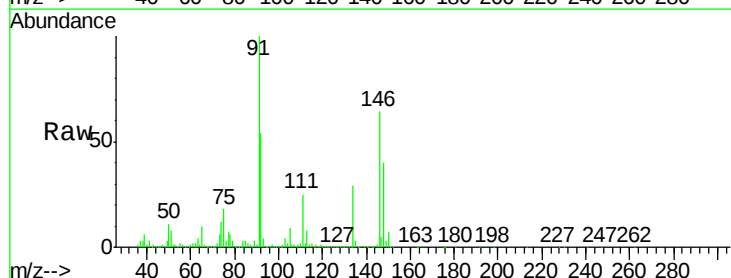
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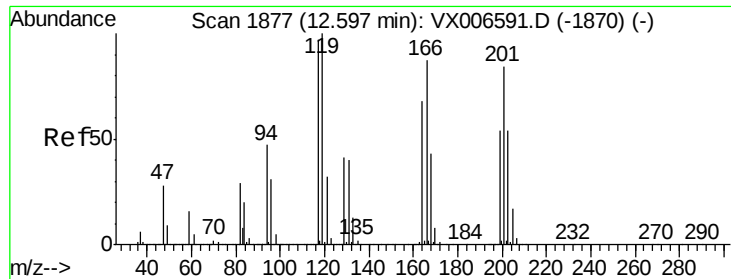
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#89
 n-Butylbenzene
 Concen: 48.148 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	28.3	14.4	43.2





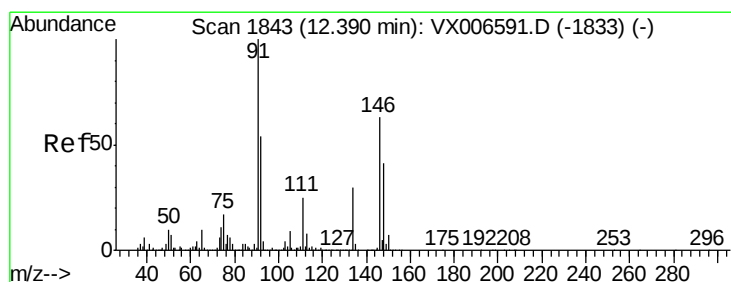
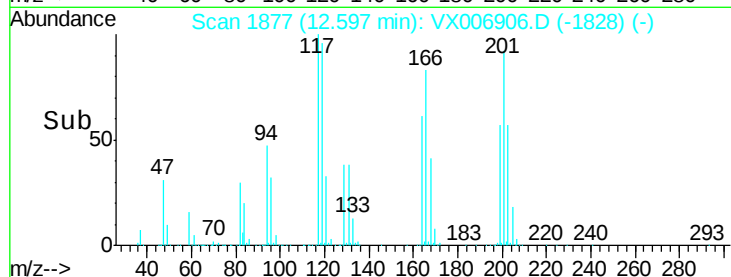
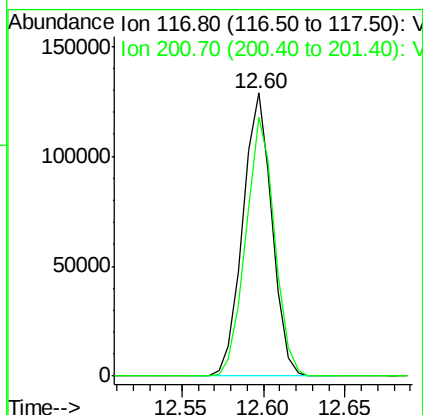
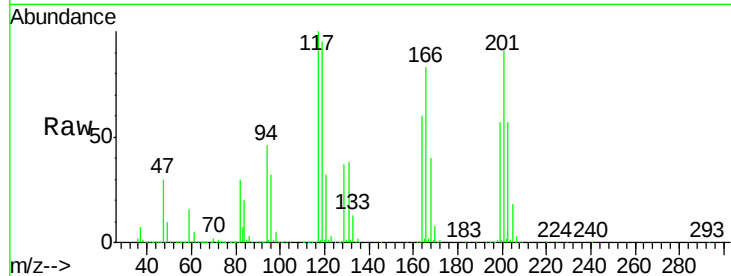
#90
Hexachloroethane
Concen: 48.275 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Instrument :
MSVOA_X
ClientSampled :
S32-0645MSD

Tot Ion:117 Resp: 160330
Ion Ratio Lower Upper
117 100
201 90.3 42.9 128.7

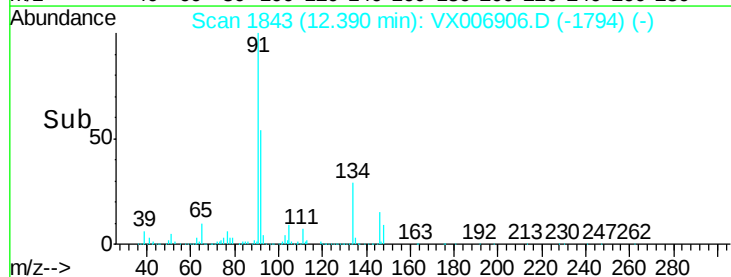
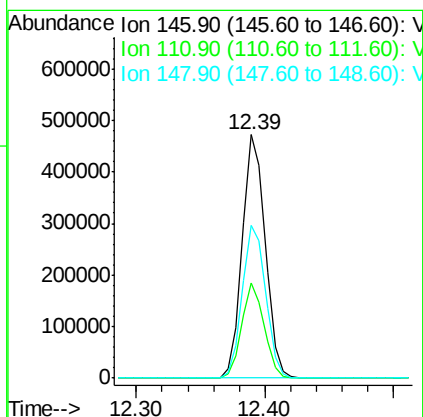
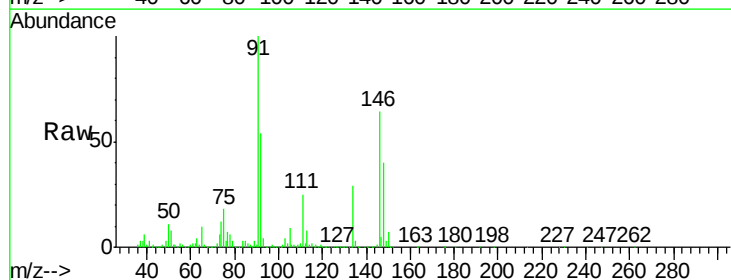
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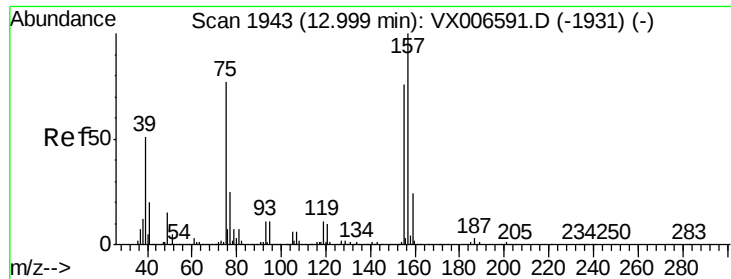
MMDadoda
1/4/2019 10:01:33 AM



#91
1,2-Dichlorobenzene
Concen: 49.728 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006906.D
Acq: 03 Jan 2019 20:18

Tgt Ion:146 Resp: 580391
Ion Ratio Lower Upper
146 100
111 38.0 19.4 58.2
148 64.1 32.3 96.9





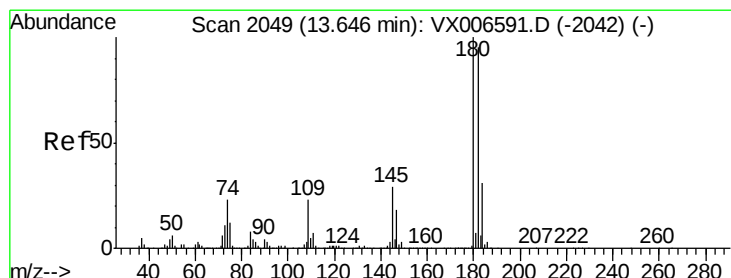
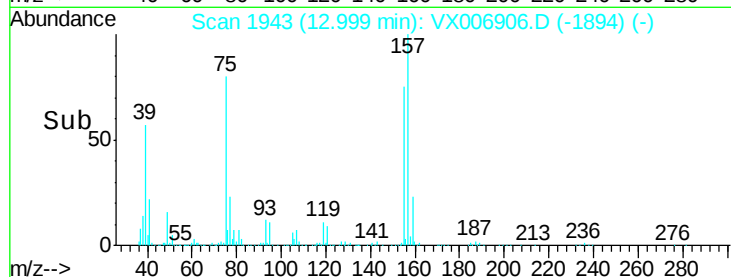
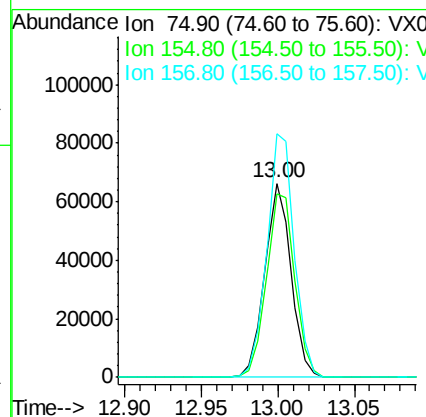
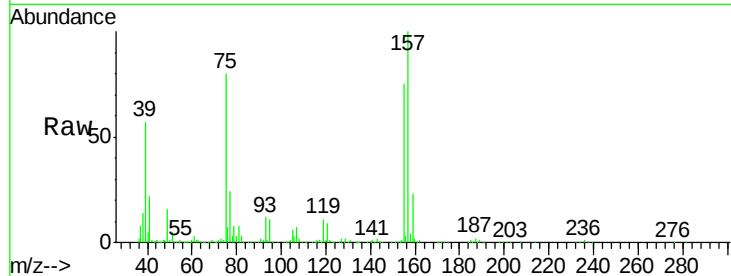
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.295 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	101.9	50.6	151.8
157	130.5	64.6	193.8

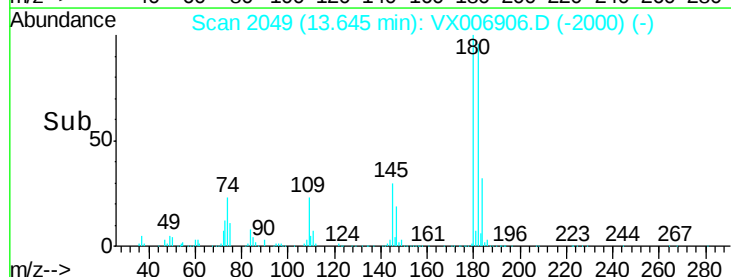
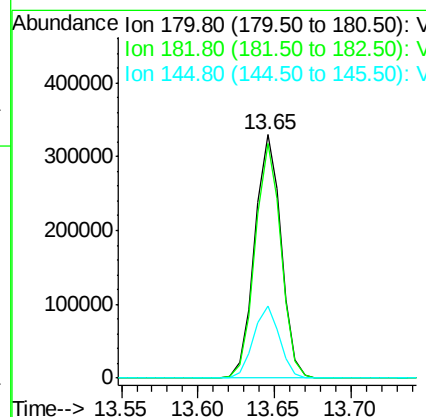
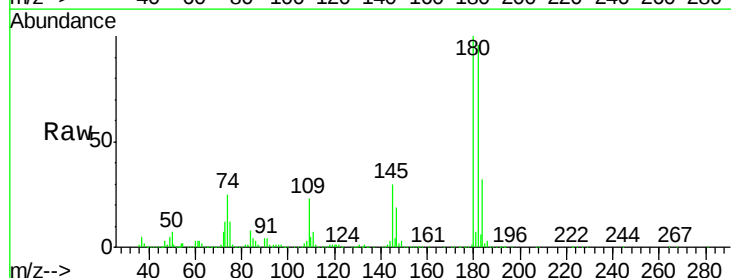
Manual Integrations
 APPROVED

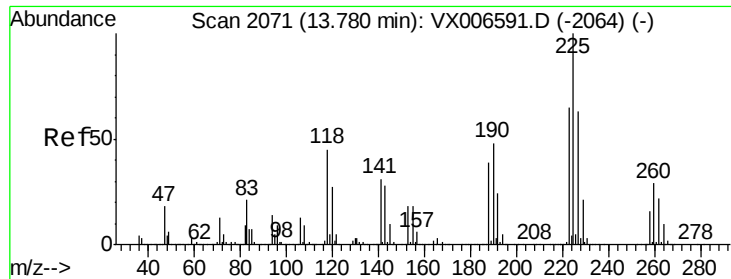
MMDadoda
 1/4/2019 10:01:33 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.025 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	29.3	14.8	44.3





#94

Hexachlorobutadiene

Concen: 44.038 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Instrument :

MSVOA_X

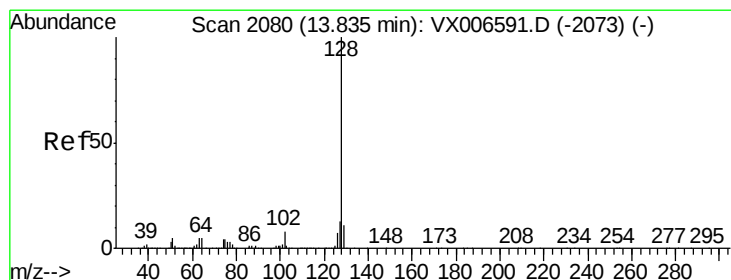
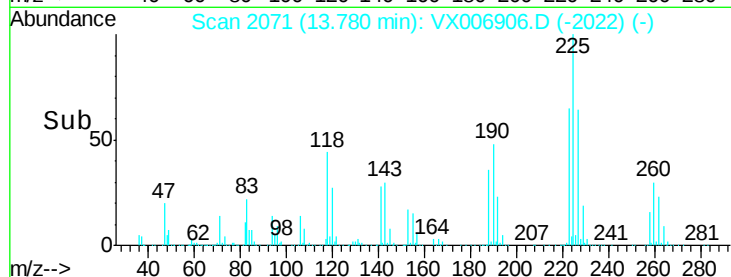
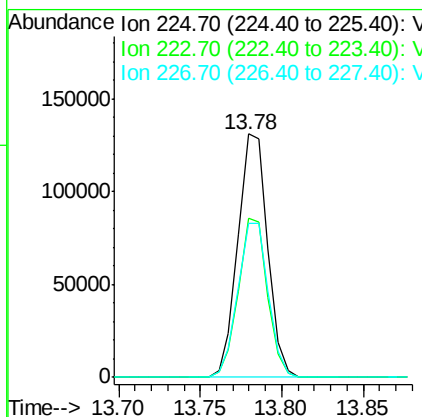
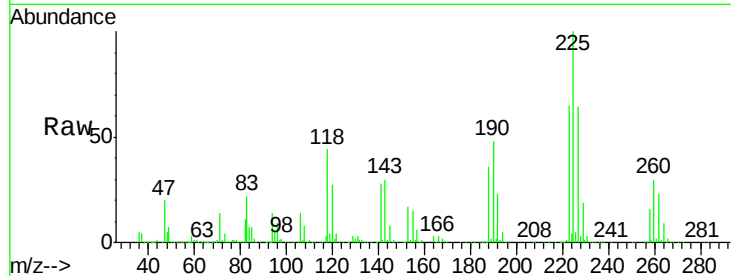
ClientSampled :

S32-0645MSD

Tot Ion:	225	Resp:	167109
Ion Ratio		Lower	Upper
225	100		
223	63.9	32.1	96.3
227	64.8	32.3	96.8

Manual Integrations
APPROVED

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1/4/2019 10:01:33 AM



#95

Naphthalene

Concen: 49.751 ug/l

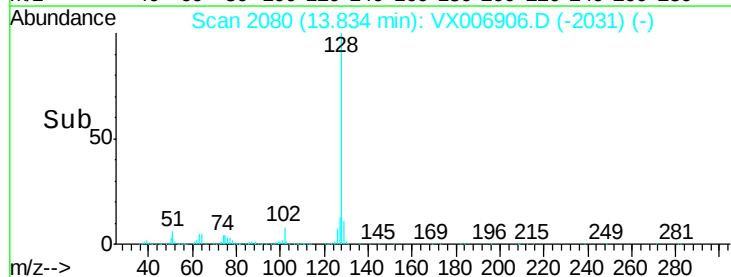
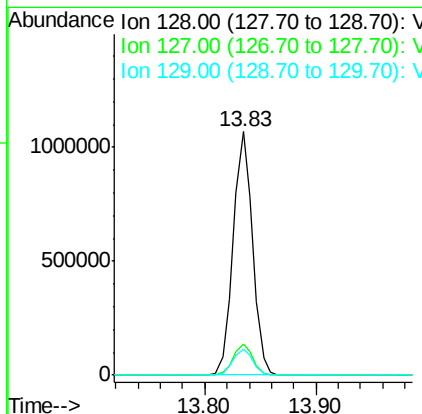
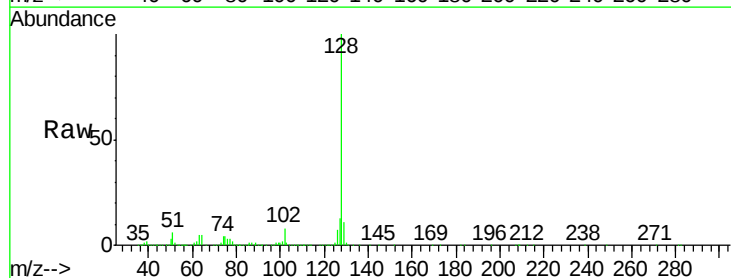
RT: 13.83 min Scan# 2080

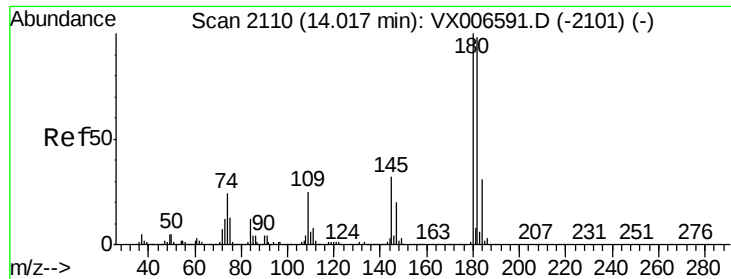
Delta R.T. -0.00 min

Lab File: VX006906.D

Acq: 03 Jan 2019 20:18

Tgt Ion:	128	Resp:	1278375
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 48.199 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX006906.D
 Acq: 03 Jan 2019 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0645MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	93.8	48.5	145.5
145	30.4	16.0	47.9

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 10:01:33 AM

