

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011885.D
 Acq On : 29 Aug 2019 21:15
 Operator : SY/SP
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:16 AM

Quant Time: Aug 30 01:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	366884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	513307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	479003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	276291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	36414	10.64	ug/l	0.00
Spiked Amount			Recovery	=	21.28%	
35) Dibromofluoromethane	5.48	113	34883	10.95	ug/l	0.00
Spiked Amount			Recovery	=	21.90%	
50) Toluene-d8	8.71	98	116472	10.10	ug/l	0.00
Spiked Amount			Recovery	=	20.20%	
62) 4-Bromofluorobenzene	11.13	95	58504	11.44	ug/l	0.00
Spiked Amount			Recovery	=	22.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	24284	10.835	ug/l	98
3) Chloromethane	1.31	50	26917	10.225	ug/l	99
4) Vinyl Chloride	1.40	62	25289	10.122	ug/l	98
5) Bromomethane	1.62	94	19206	11.943	ug/l	98
6) Chloroethane	1.71	64	15630	10.495	ug/l	98
7) Trichlorofluoromethane	1.92	101	44452	10.515	ug/l	97
8) Diethyl Ether	2.17	74	14983	10.657	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28600	11.532	ug/l	99
10) Methyl Iodide	2.50	142	20406	9.063	ug/l	98
11) Tert butyl alcohol	3.03	59	17181	56.756	ug/l	97
12) 1,1-Dichloroethene	2.36	96	26463	10.783	ug/l	99
13) Acrolein	2.28	56	8330	58.026	ug/l	95
14) Allyl chloride	2.71	41	49417	11.071	ug/l	99
15) Acrylonitrile	3.13	53	40013	52.840	ug/l	97
16) Acetone	2.43	43	40113	30.572	ug/l	100
17) Carbon Disulfide	2.56	76	72877	9.916	ug/l	99
18) Methyl Acetate	2.76	43	21600	7.779	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	86475	10.799	ug/l	99
20) Methylene Chloride	2.84	84	43158	13.063	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	31554	10.389	ug/l	98
22) Diisopropyl ether	3.84	45	102198	10.567	ug/l	96
23) Vinyl Acetate	3.80	43	320058	75.794	ug/l	100
24) 1,1-Dichloroethane	3.68	63	56270	10.285	ug/l	98
25) 2-Butanone	4.66	43	54863	51.600	ug/l	95
26) 2,2-Dichloropropane	4.56	77	47511	12.393	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	36415	10.149	ug/l	96
28) Bromochloromethane	5.01	49	24355	10.009	ug/l	99
29) Tetrahydrofuran	5.12	42	34448	52.032	ug/l	98
30) Chloroform	5.20	83	60187	10.206	ug/l	97
31) Cyclohexane	5.56	56	46937	10.533	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	52290	10.508	ug/l	98
36) 1,1-Dichloropropene	5.79	75	41197	10.175	ug/l	100
37) Ethyl Acetate	4.82	43	23669	12.405	ug/l #	95
38) Carbon Tetrachloride	5.77	117	47040	11.922	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	50575	10.448	ug/l	98
40) Benzene	6.13	78	124351	10.277	ug/l	98
41) Methacrylonitrile	5.03	41	14226	10.948	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42298	10.476	ug/l	98
43) Isopropyl Acetate	6.43	43	49039	12.898	ug/l	99
44) Trichloroethene	7.20	130	38190	9.140	ug/l	93
45) 1,2-Dichloropropane	7.50	63	32829	10.657	ug/l	99
46) Dibromomethane	7.65	93	18856	10.230	ug/l	100
47) Bromodichloromethane	7.89	83	46884	10.976	ug/l	95
48) Methyl methacrylate	7.76	41	23176	12.391	ug/l	97
49) 1,4-Dioxane	7.74	88	6654	246.341	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	124878	61.709	ug/l	100
52) Toluene	8.78	92	83566	10.537	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	47770	14.324	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	54648	12.795	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	28953	11.563	ug/l	96
56) Ethyl methacrylate	9.17	69	38258	14.717	ug/l	99
57) 1,3-Dichloropropane	9.37	76	47500	11.750	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	89839	107.514	ug/l	100
59) 2-Hexanone	9.49	43	88201	66.329	ug/l	99
60) Dibromochloromethane	9.58	129	37334	11.583	ug/l	99
61) 1,2-Dibromoethane	9.66	107	27769	11.821	ug/l	99
64) Tetrachloroethene	9.33	164	39889	8.355	ug/l	97
65) Chlorobenzene	10.13	112	97368	10.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	38339	11.766	ug/l	99
67) Ethyl Benzene	10.25	91	165514	10.682	ug/l	100
68) m/p-Xylenes	10.35	106	126034	21.057	ug/l	99
69) o-Xylene	10.69	106	61338	10.682	ug/l	99
70) Styrene	10.71	104	106262	11.292	ug/l	98
71) Bromoform	10.85	173	25964	11.740	ug/l #	98
73) Isopropylbenzene	11.01	105	168166	10.384	ug/l	100
74) N-amyl acetate	10.89	43	47581	11.954	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	33406	12.457	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	27898m	13.135	ug/l	
77) Bromobenzene	11.25	156	47949	10.538	ug/l	99
78) n-propylbenzene	11.35	91	191522	10.494	ug/l	100
79) 2-Chlorotoluene	11.41	91	114062	10.353	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	143577	10.512	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	10889	18.632	ug/l	98
82) 4-Chlorotoluene	11.51	91	138908	10.584	ug/l	99
83) tert-Butylbenzene	11.77	119	146130	11.035	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	146874	10.803	ug/l	99
85) sec-Butylbenzene	11.94	105	172036	10.802	ug/l	100
86) p-Isopropyltoluene	12.06	119	164887	11.099	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	89251	10.535	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	89424	10.586	ug/l	97
89) n-Butylbenzene	12.38	91	146555	11.213	ug/l	99
90) Hexachloroethane	12.59	117	32084	15.710	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	81425	10.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6540	15.560	ug/l	99

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VSTDICC010

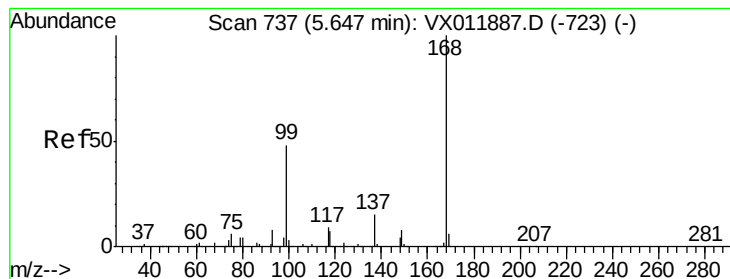
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	69993	11.331	ug/l	100
94) Hexachlorobutadiene	13.78	225	47463	11.662	ug/l	98
95) Naphthalene	13.83	128	115382	12.609	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	62967	11.660	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 366884

Ion Ratio Lower Upper

168 100

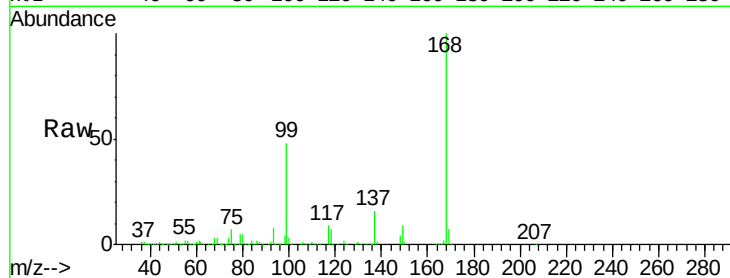
99 48.3 38.4 57.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

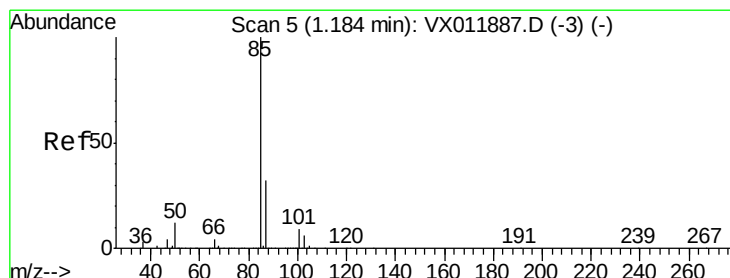
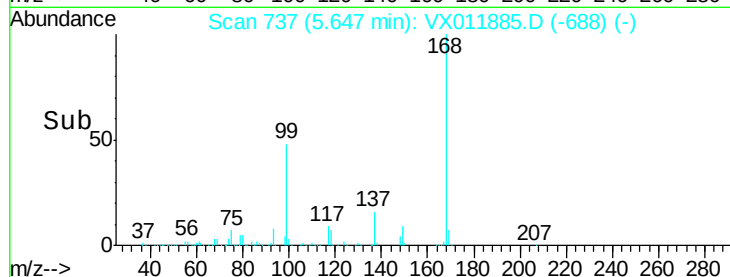
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.835 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011885.D

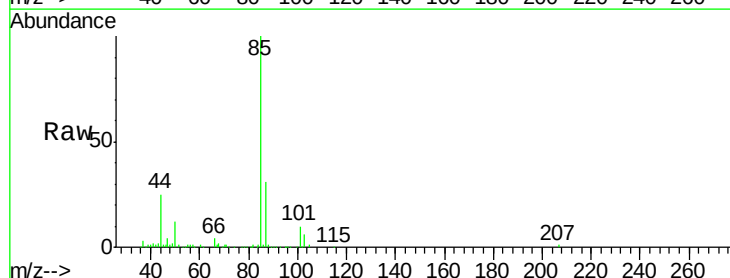
Acq: 29 Aug 2019 21:15

Tgt Ion: 85 Resp: 24284

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

25000

20000

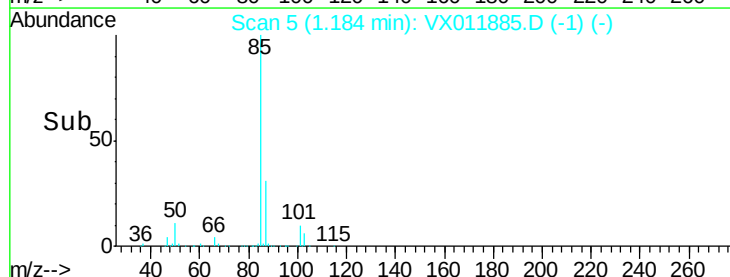
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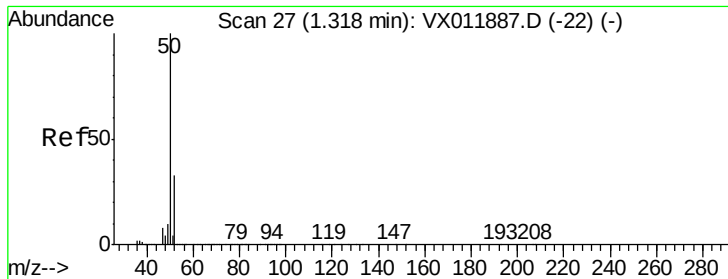
10000

5000

0

Time-->





#3

Chloromethane

Concen: 10.225 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 26917

Ion Ratio Lower Upper

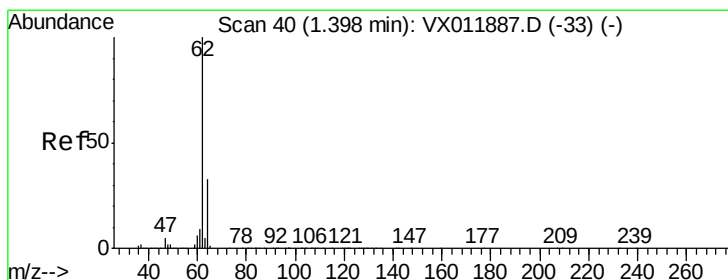
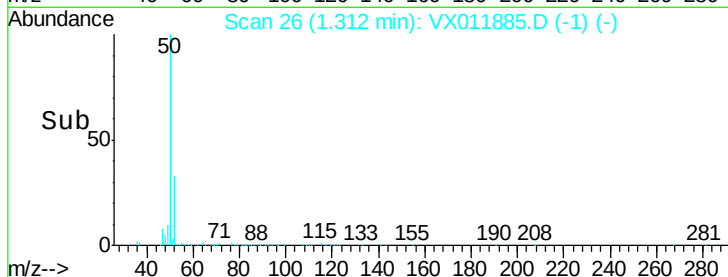
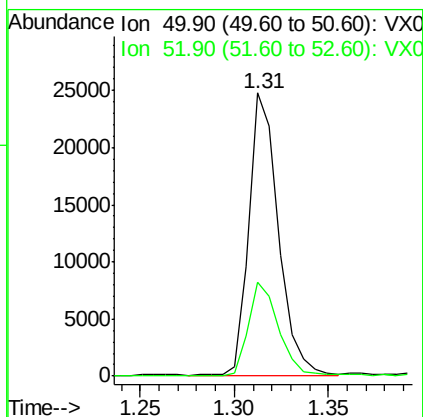
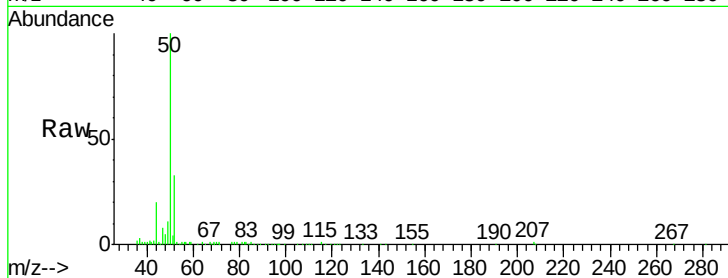
50 100

52 33.2 26.0 39.0

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#4

Vinyl Chloride

Concen: 10.122 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011885.D

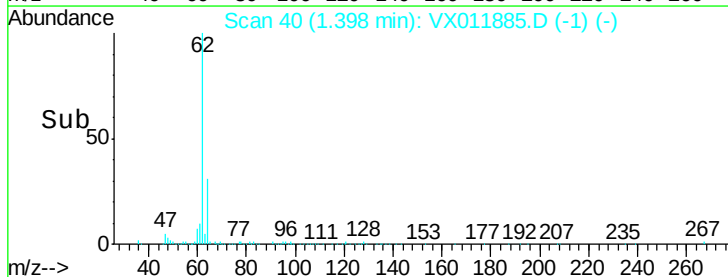
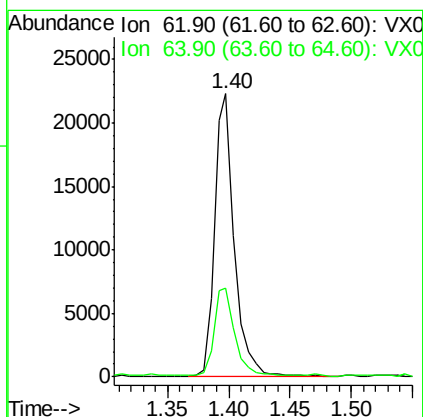
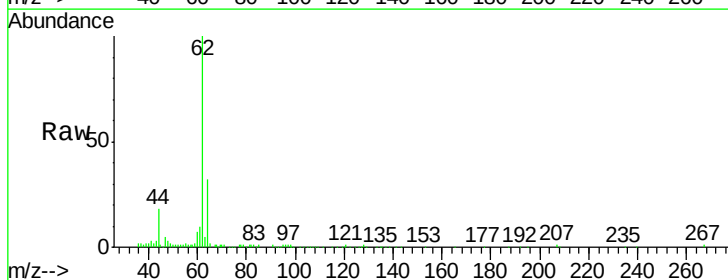
Acq: 29 Aug 2019 21:15

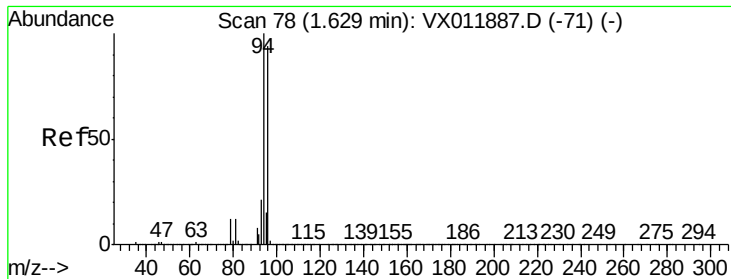
Tgt Ion: 62 Resp: 25289

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0





#5

Bromomethane

Concen: 11.943 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 19206

Ion Ratio Lower Upper

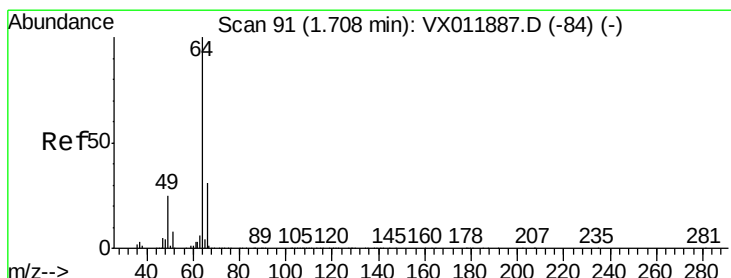
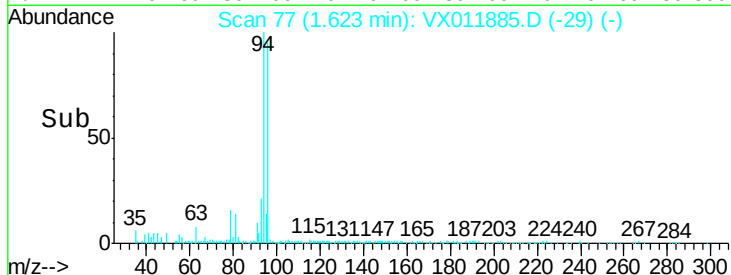
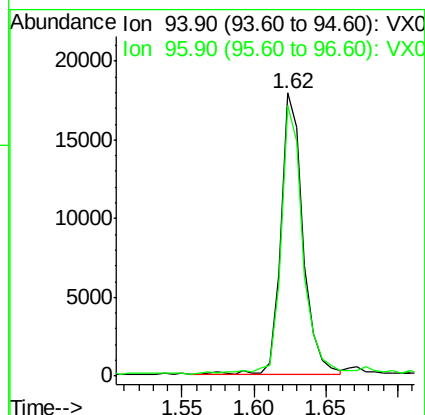
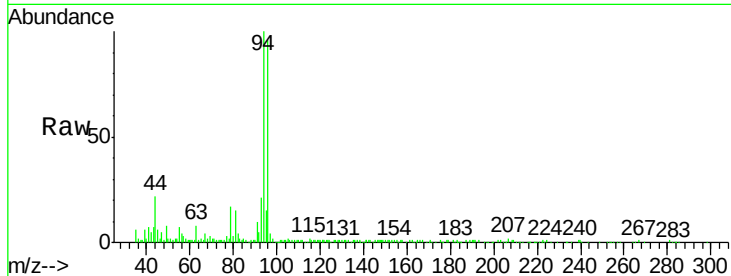
94 100

96 95.4 75.0 112.6

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#6

Chloroethane

Concen: 10.495 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX011885.D

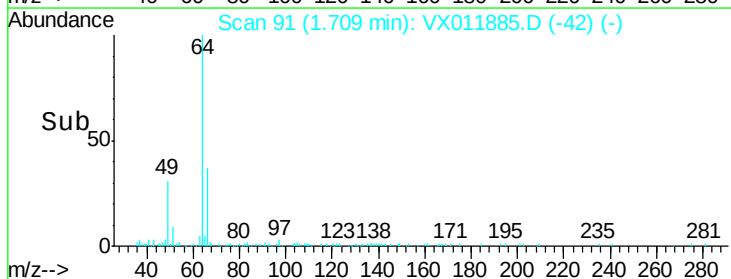
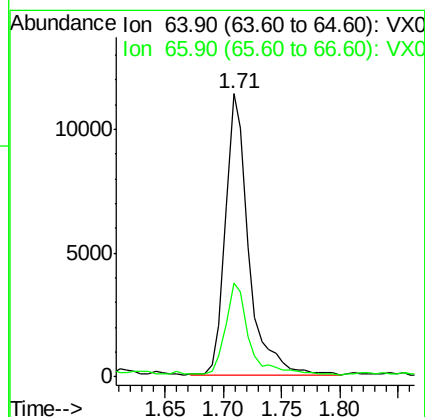
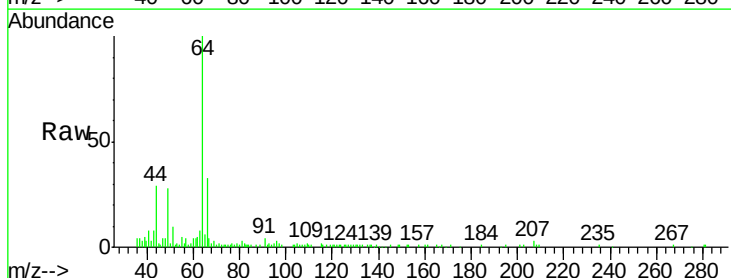
Acq: 29 Aug 2019 21:15

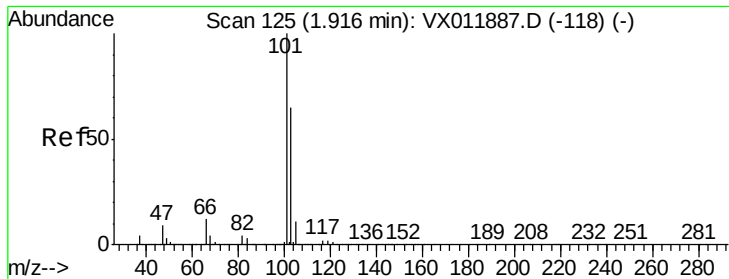
Tgt Ion: 64 Resp: 15630

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4





#7

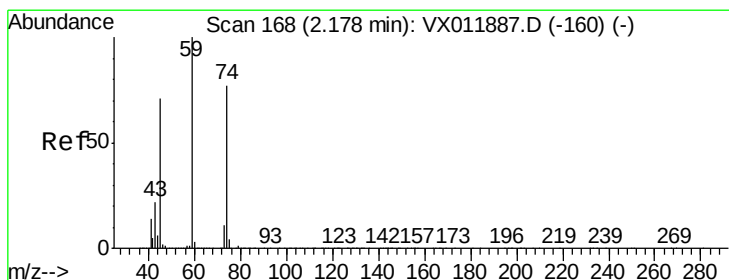
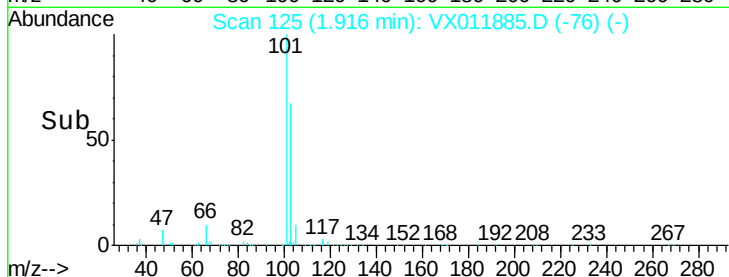
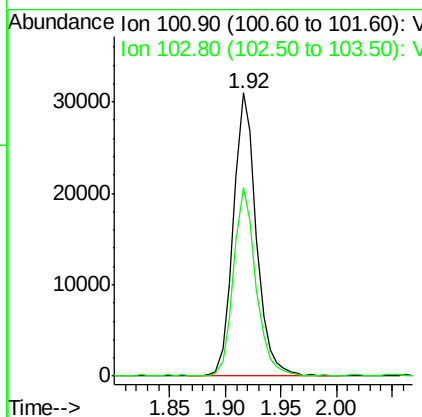
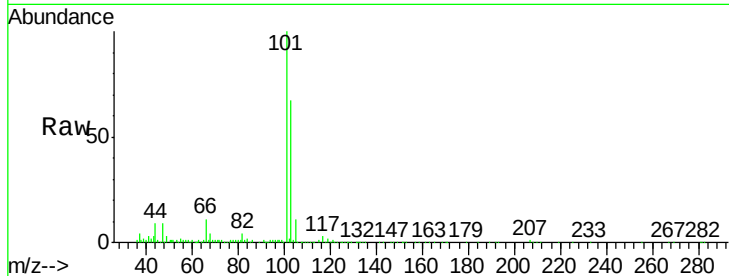
Trichlorofluoromethane
Concen: 10.515 ug/l
RT: 1.92 min Scan# 125
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.6	77.4

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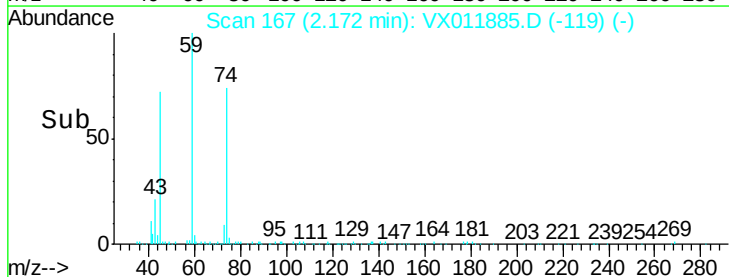
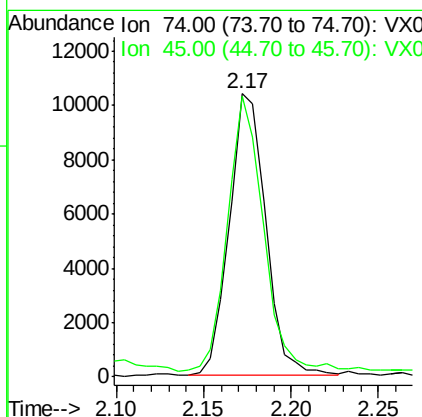
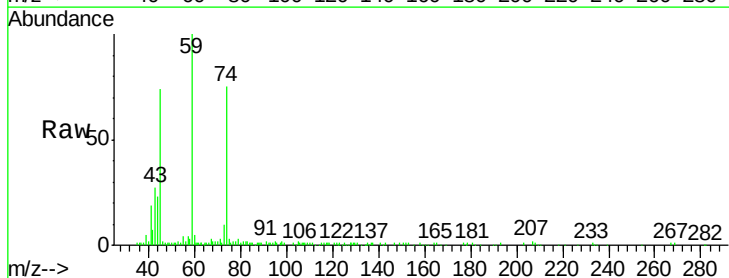
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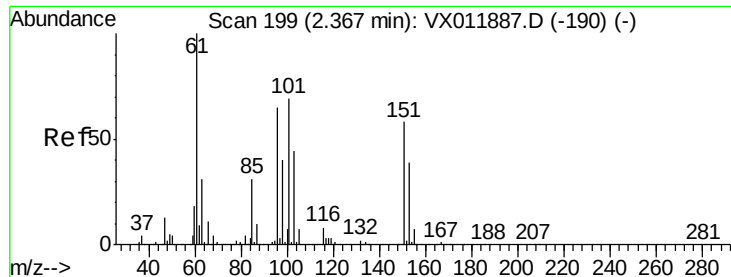


#8

Diethyl Ether
Concen: 10.657 ug/l
RT: 2.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.532 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

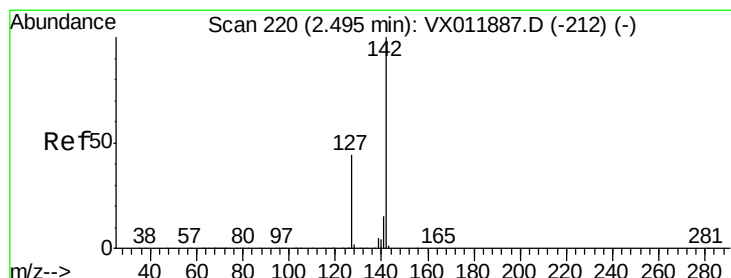
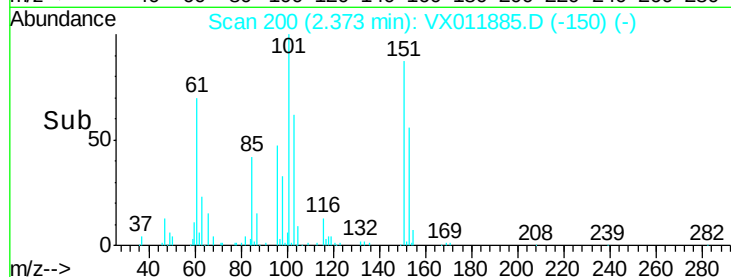
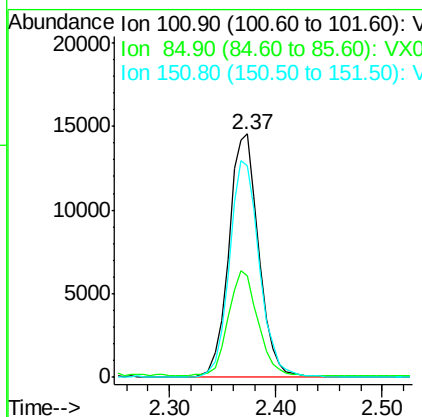
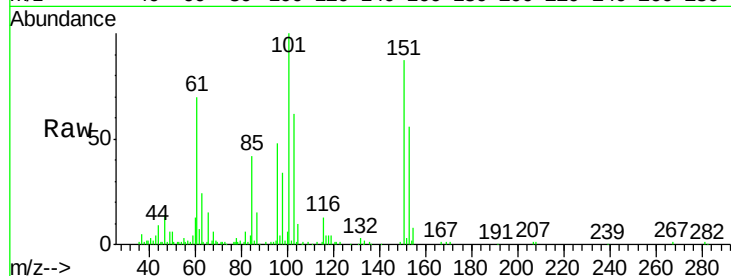
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	28600
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.9	52.3
151	89.6	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 9.063 ug/l

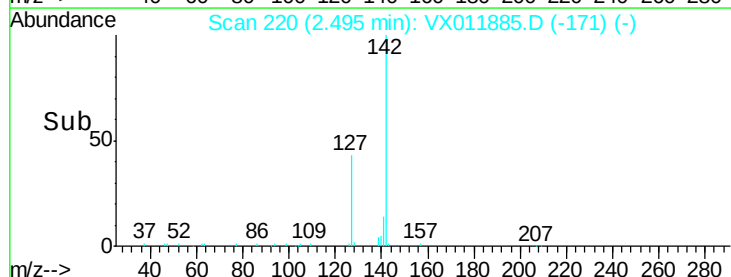
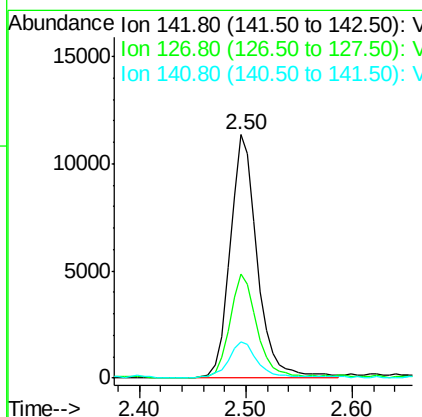
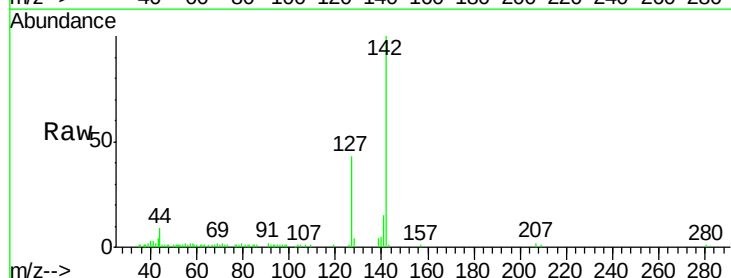
RT: 2.50 min Scan# 220

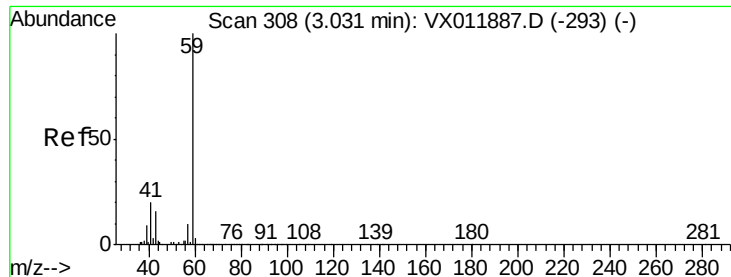
Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion:	142	Resp:	20406
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.7	53.5
141	15.7	11.8	17.6





#11

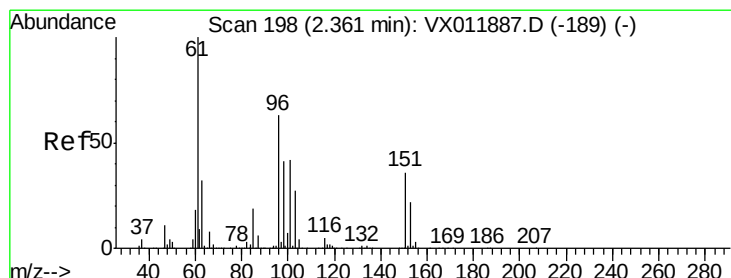
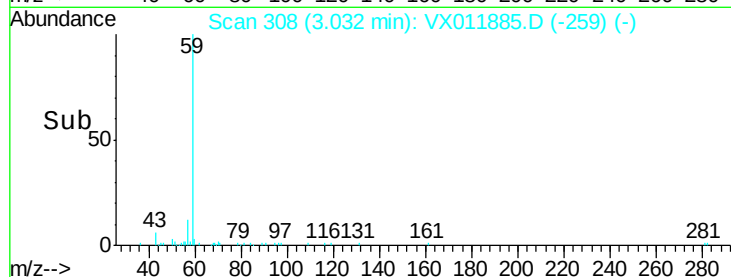
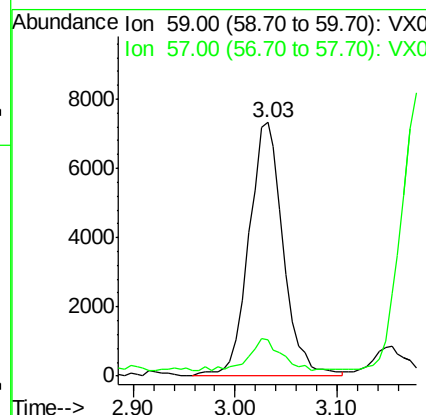
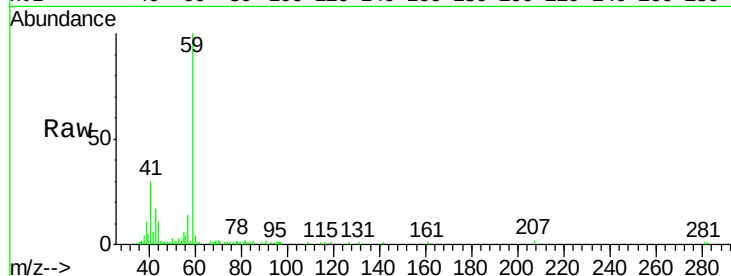
Tert butyl alcohol
Concen: 56.756 ug/l
RT: 3.03 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	59	Resp	17181
Ion Ratio	100	Lower	Upper
57	11.8	8.6	12.8

Manual Integrations
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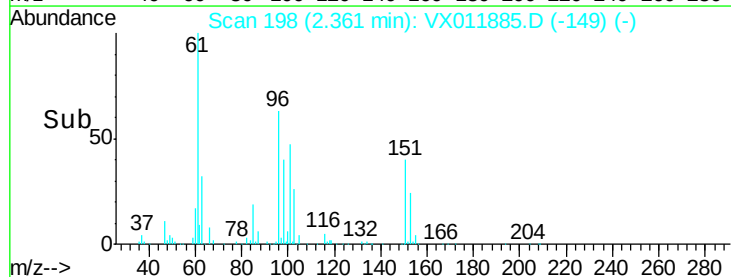
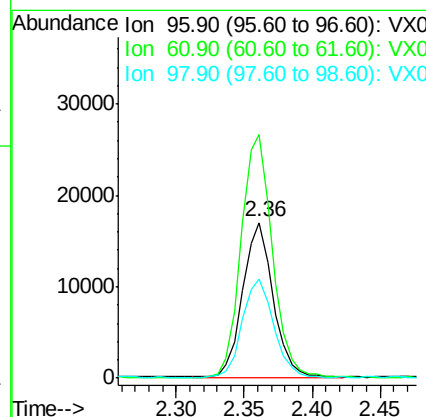
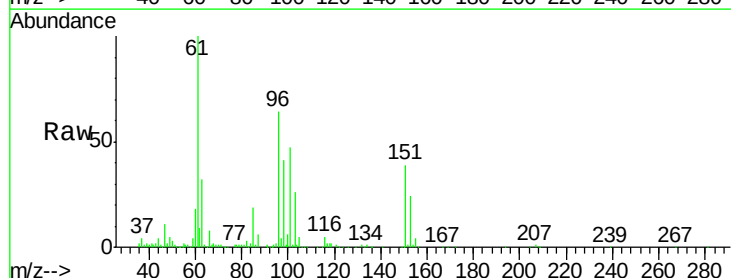
MMDadoda
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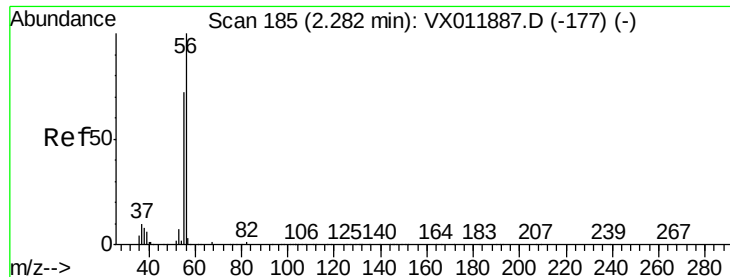


#12

1,1-Dichloroethene
Concen: 10.783 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	96	Resp	26463
Ion Ratio	100	Lower	Upper
61	156.8	126.6	190.0
98	63.5	51.6	77.4





#13

Acrolein

Concen: 58.026 ug/l

RT: 2.28 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 8330

Ion Ratio Lower Upper

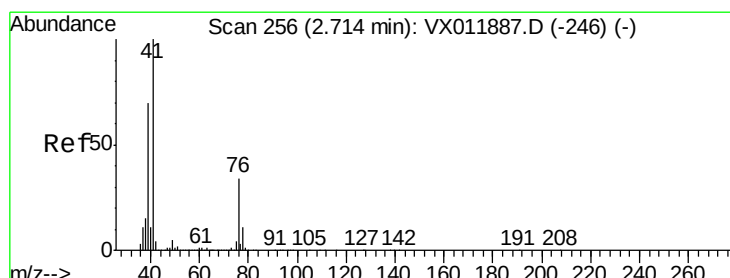
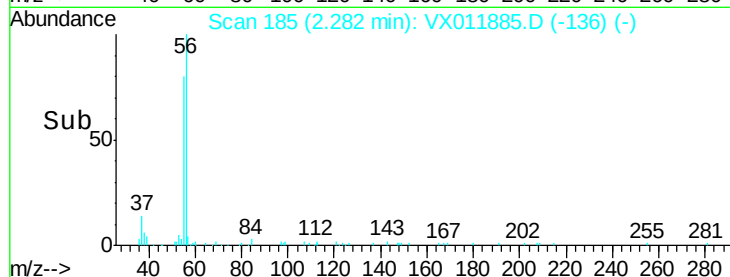
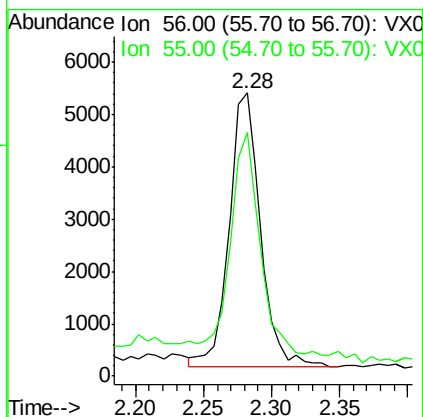
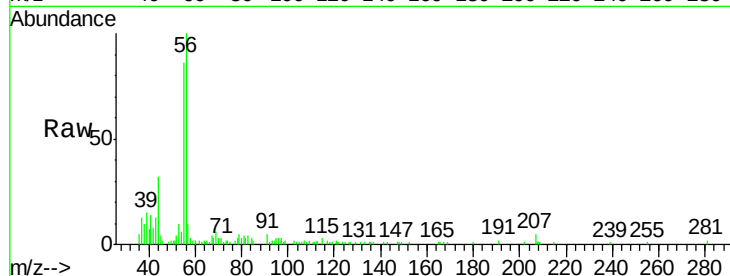
56 100

55 77.5 58.6 88.0

Manual Integrations
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#14

Allyl chloride

Concen: 11.071 ug/l

RT: 2.71 min Scan# 256

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

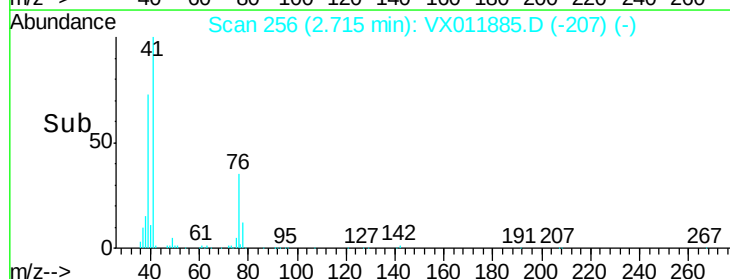
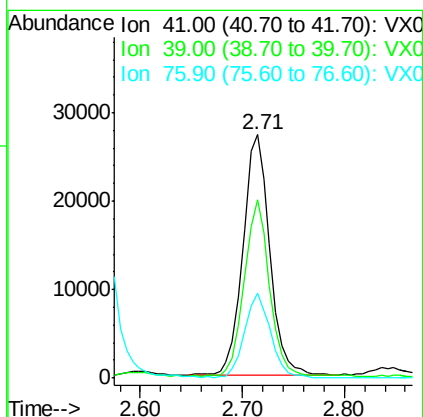
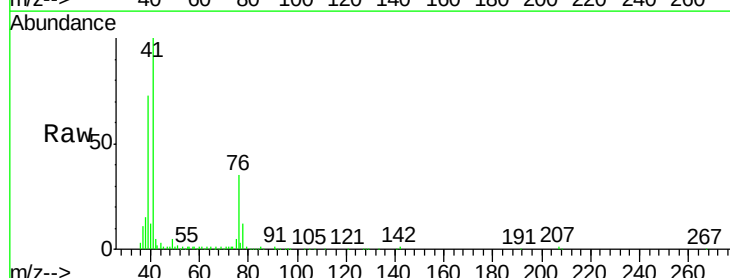
Tgt Ion: 41 Resp: 49417

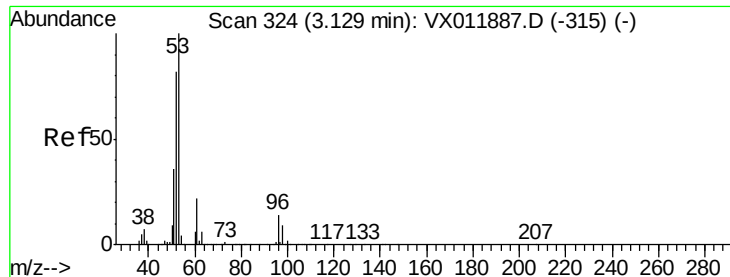
Ion Ratio Lower Upper

41 100

39 68.7 55.0 82.6

76 34.5 27.0 40.4





#15

Acrylonitrile

Concen: 52.840 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

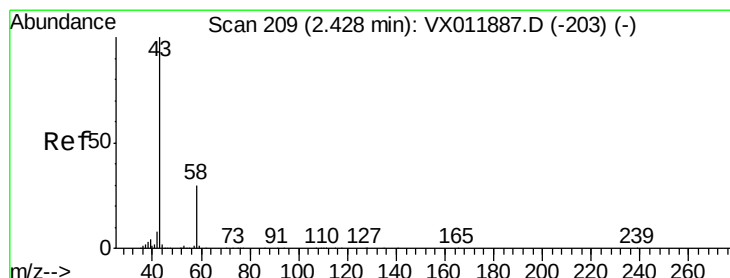
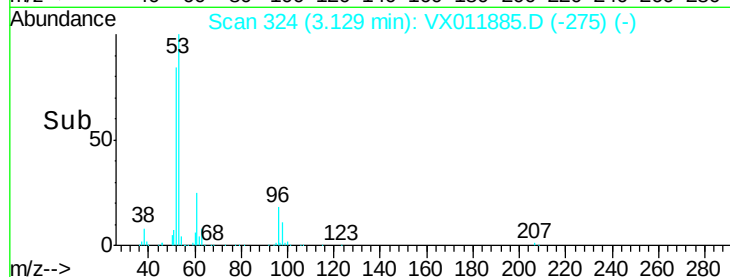
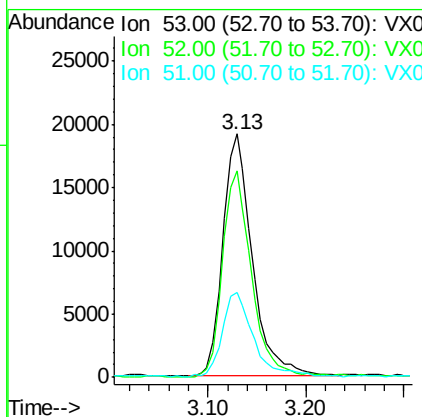
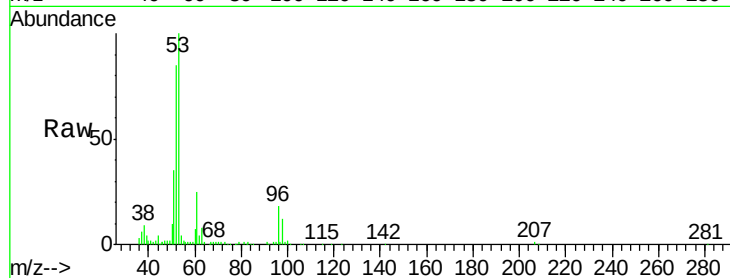
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	40013
Ion	Ratio	Lower	Upper
53	100		
52	84.8	65.3	97.9
51	38.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 30.572 ug/l

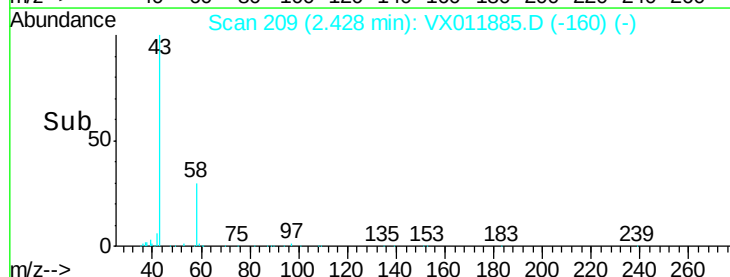
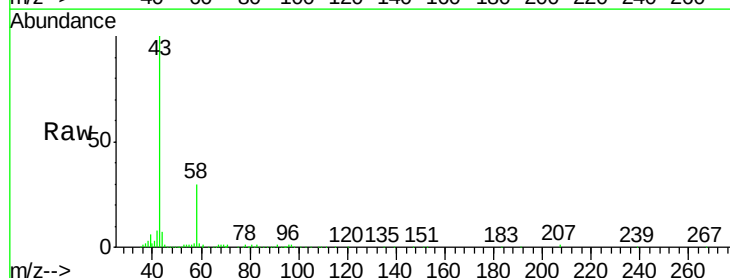
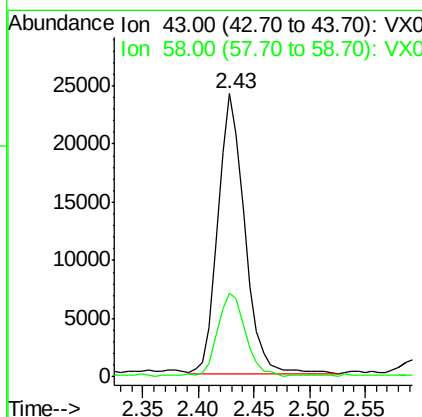
RT: 2.43 min Scan# 209

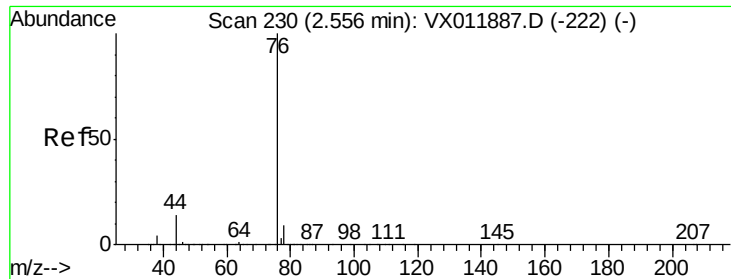
Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion:	43	Resp:	40113
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.8





#17

Carbon Disulfide

Concen: 9.916 ug/l

RT: 2.56 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tot Ion: 76 Resp: 72877

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

Instrument :

MSVOA_X

ClientSampleId :

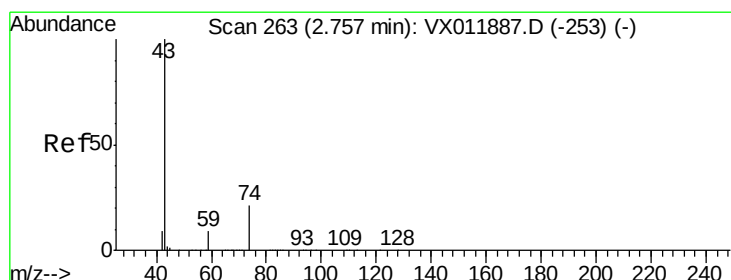
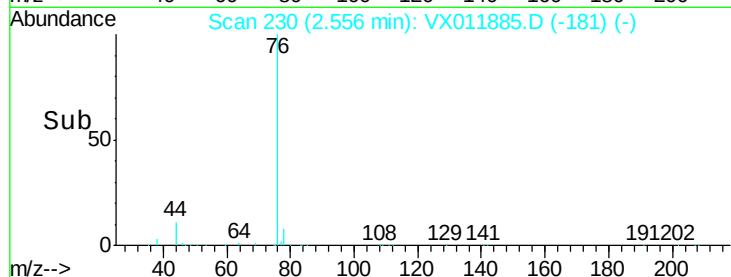
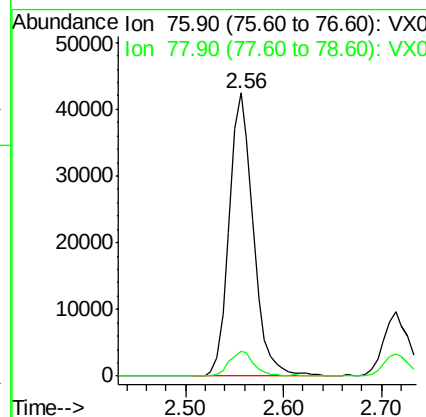
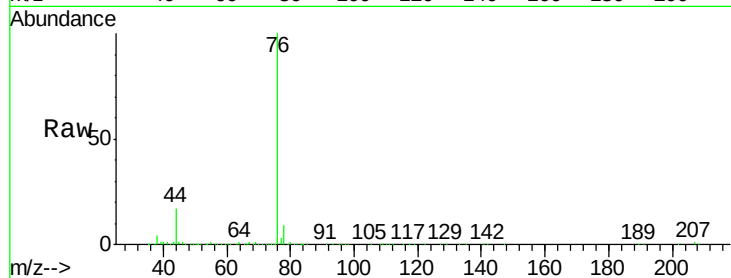
VSTDIC010

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#18

Methyl Acetate

Concen: 7.779 ug/l

RT: 2.76 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX011885.D

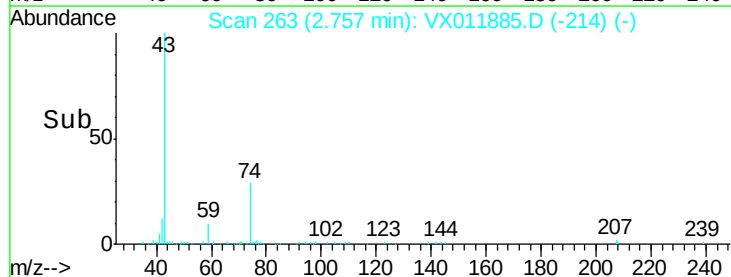
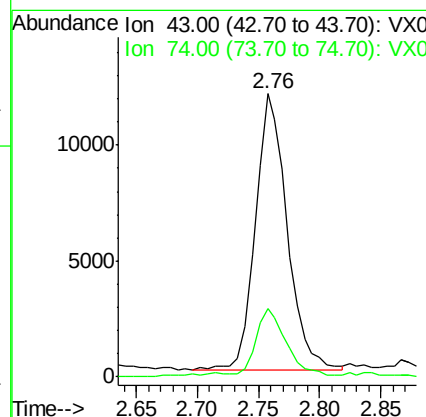
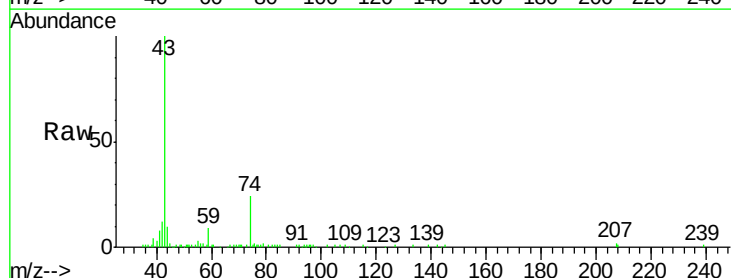
Acq: 29 Aug 2019 21:15

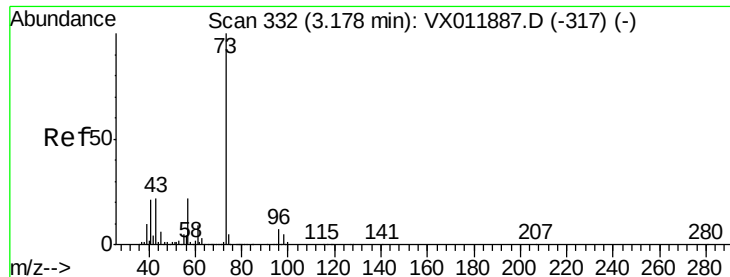
Tgt Ion: 43 Resp: 21600

Ion Ratio Lower Upper

43 100

74 22.7 18.4 27.6





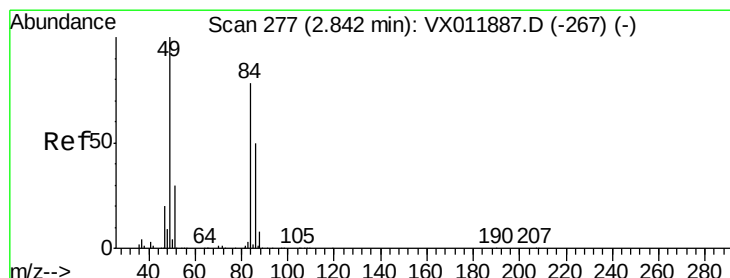
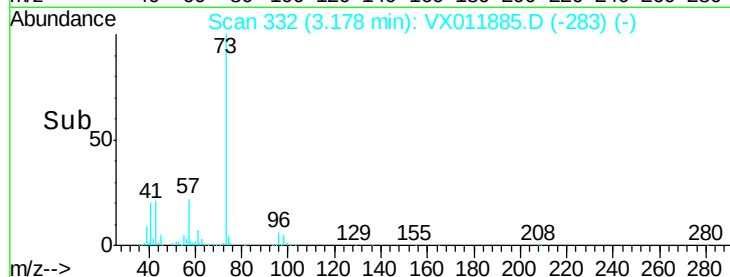
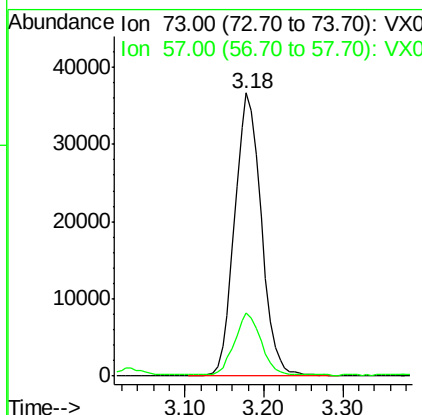
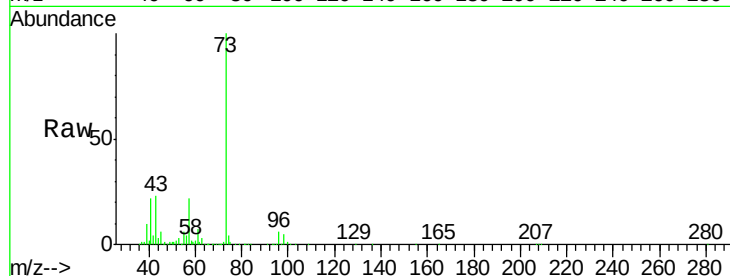
#19
Methyl tert-butyl Ether
Concen: 10.799 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	73	Resp	86475
Ion Ratio	100	Lower	Upper
73	100		
57	22.0	17.4	26.0

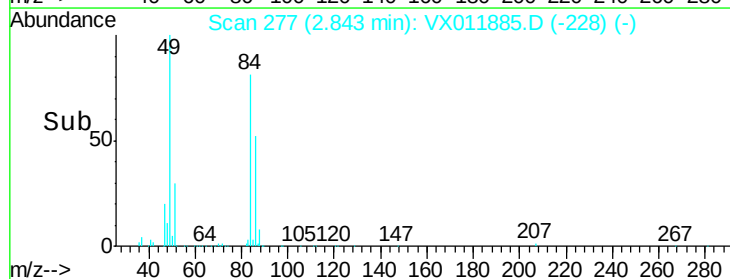
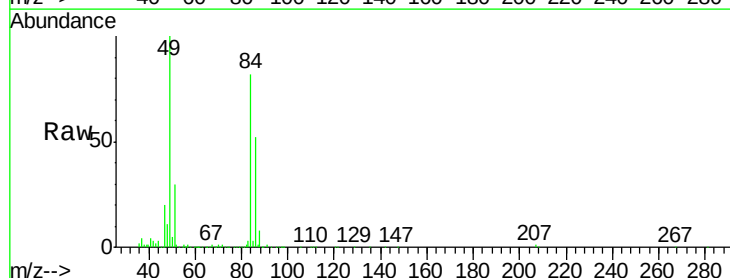
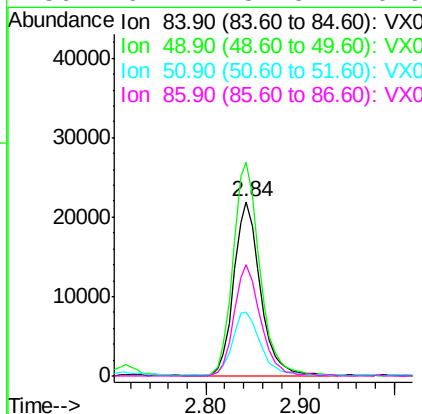
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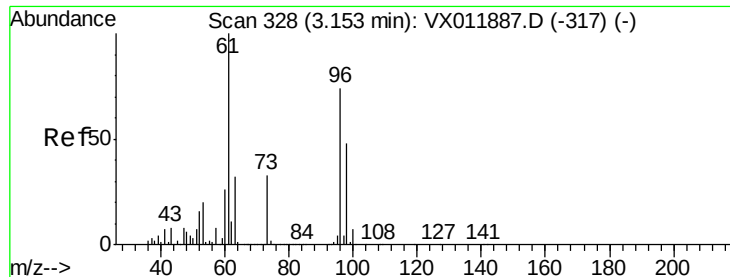
MMDadoda
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#20
Methylene Chloride
Concen: 13.063 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	84	Resp	43158
Ion Ratio	100	Lower	Upper
84	100		
49	122.2	103.0	154.4
51	36.5	30.8	46.2
86	64.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 10.389 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

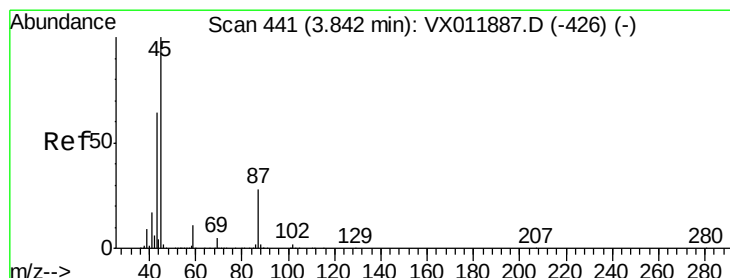
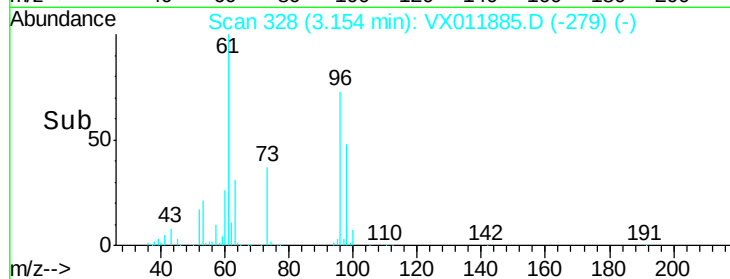
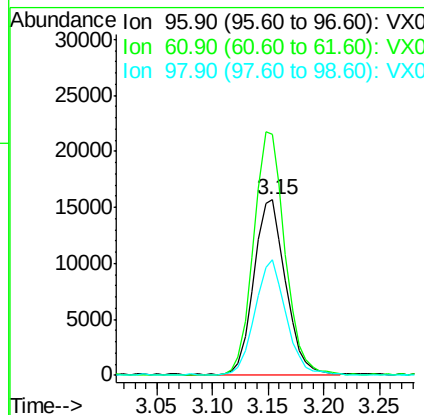
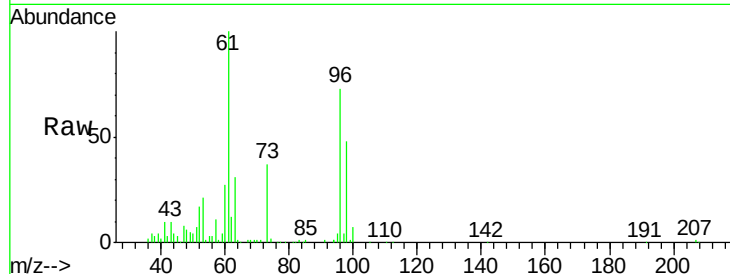
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	31554
Ion	Ratio	Lower	Upper
96	100		
61	137.3	107.4	161.2
98	65.6	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.567 ug/l

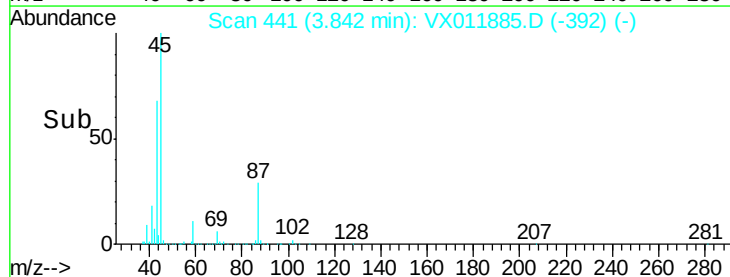
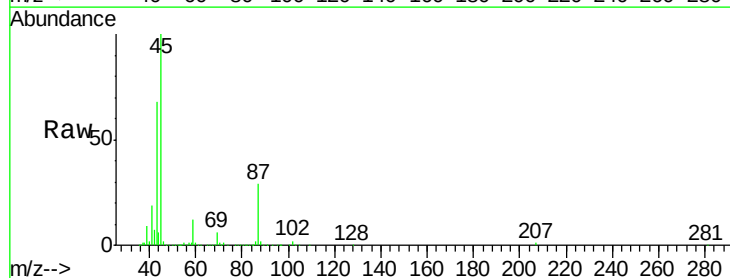
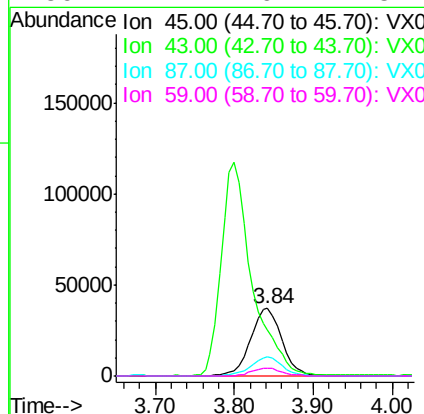
RT: 3.84 min Scan# 441

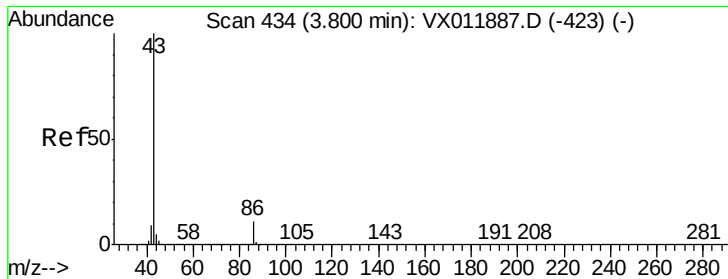
Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion:	45	Resp:	102198
Ion	Ratio	Lower	Upper
45	100		
43	67.7	51.0	76.6
87	29.3	22.0	33.0
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 75.794 ug/l

RT: 3.80 min Scan# 434

Delta R.T. 0.00 min

Lab File: VX011885.D

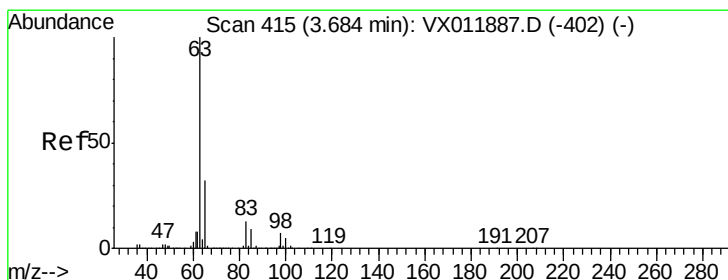
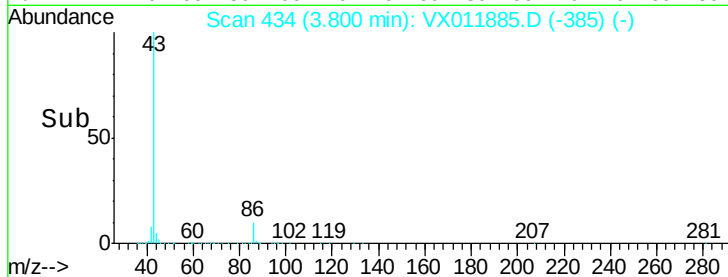
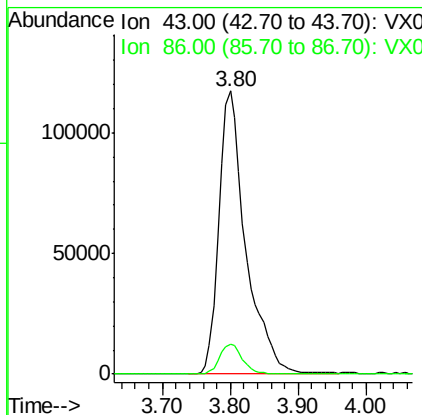
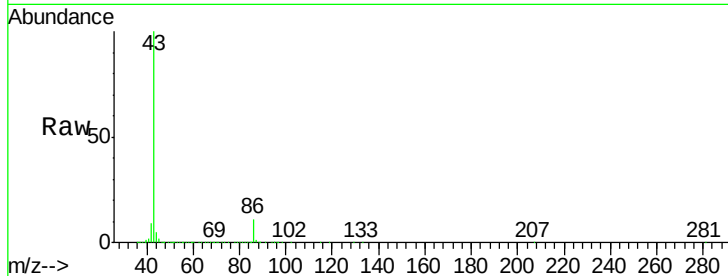
Acq: 29 Aug 2019 21:15

Tot Ion	43	Resp	320058
Ion Ratio	100	Lower	Upper
43	100		
86	10.6	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.285 ug/l

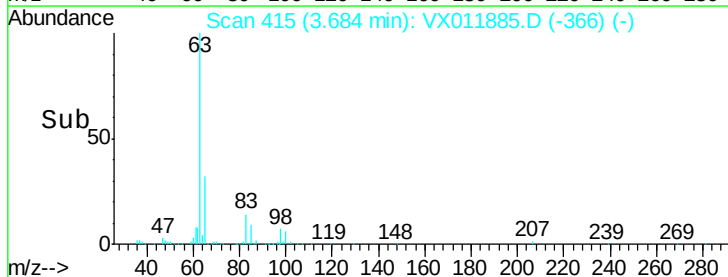
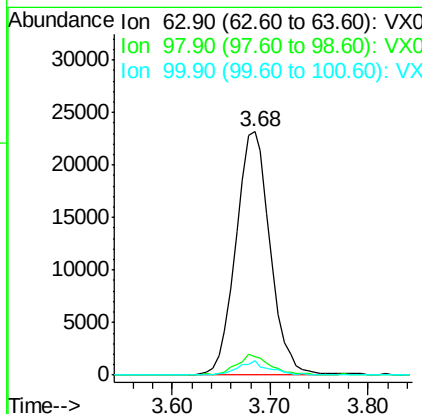
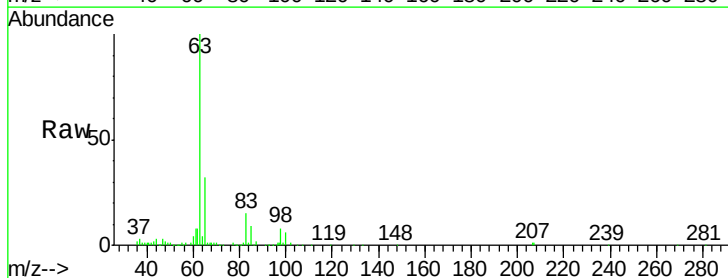
RT: 3.68 min Scan# 415

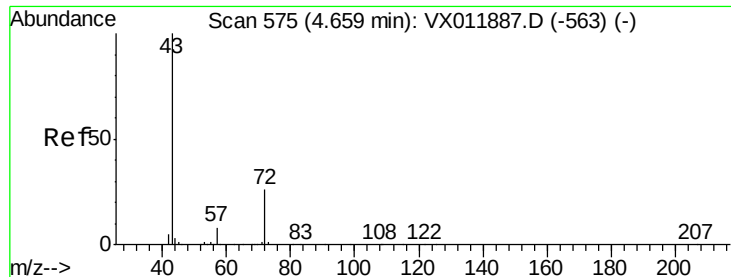
Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion	63	Resp	56270
Ion Ratio	100	Lower	Upper
63	100		
98	7.6	3.8	11.2
100	6.0	2.4	7.2





#25

2-Butanone

Concen: 51.600 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 54863

Ion Ratio Lower Upper

43 100

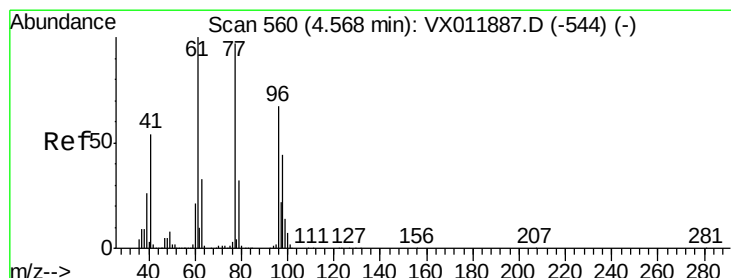
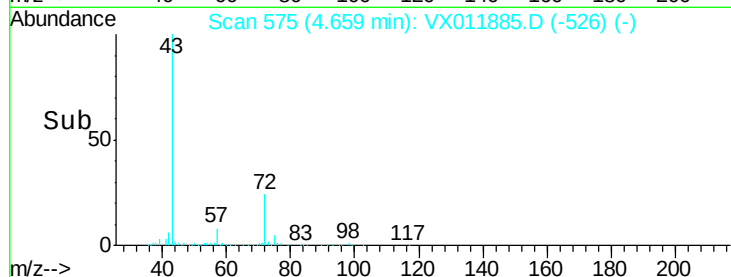
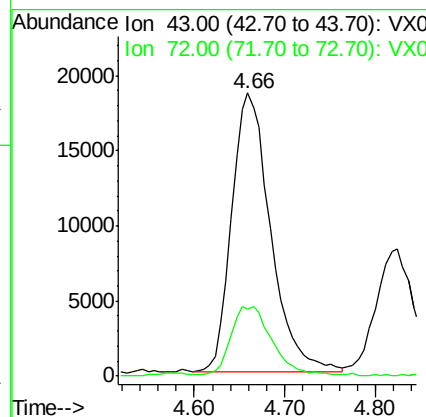
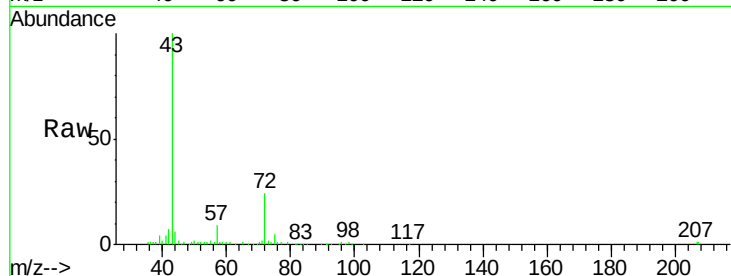
72 23.8 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 12.393 ug/l

RT: 4.56 min Scan# 559

Delta R.T. -0.01 min

Lab File: VX011885.D

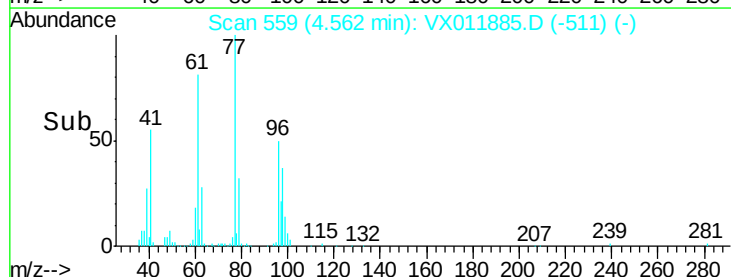
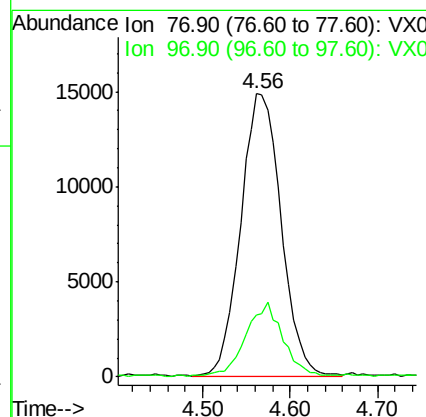
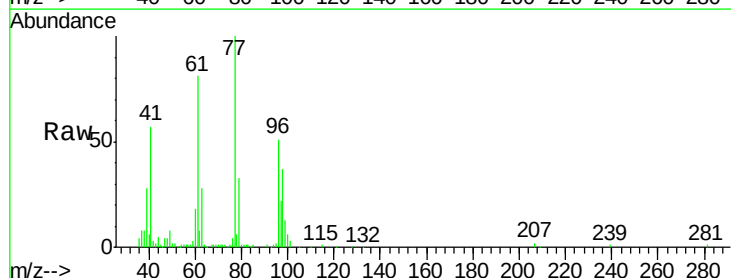
Acq: 29 Aug 2019 21:15

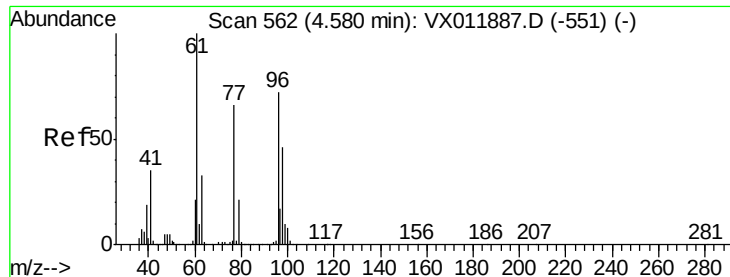
Tgt Ion: 77 Resp: 47511

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.1





#27

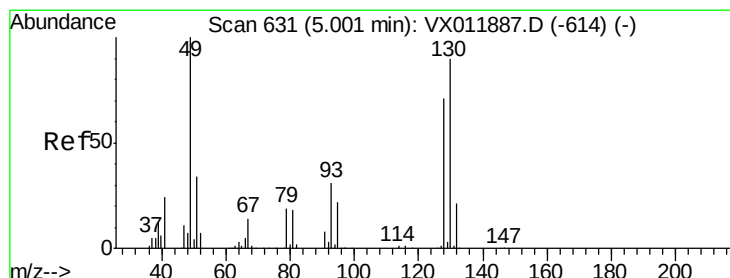
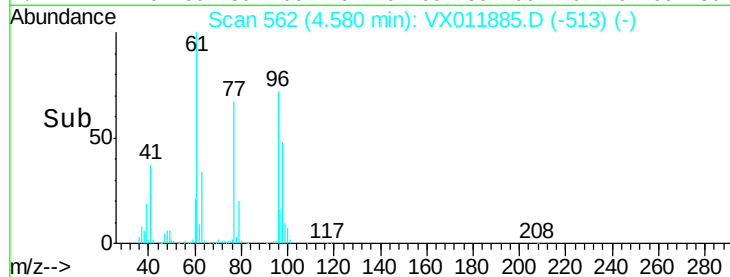
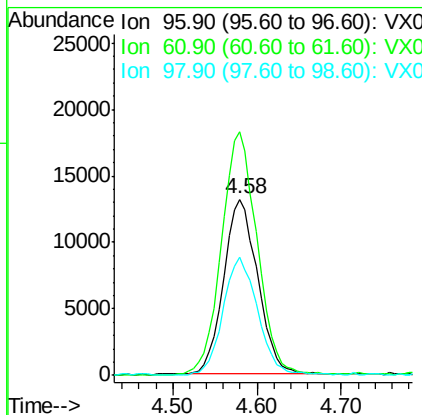
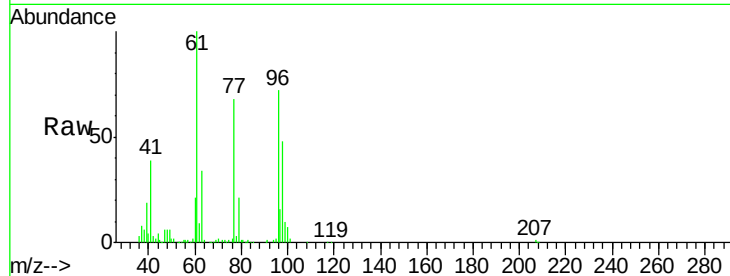
cis-1,2-Dichloroethene
Concen: 10.149 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	36415		
61	146.9	0.0	283.8	
98	68.6	0.0	131.2	

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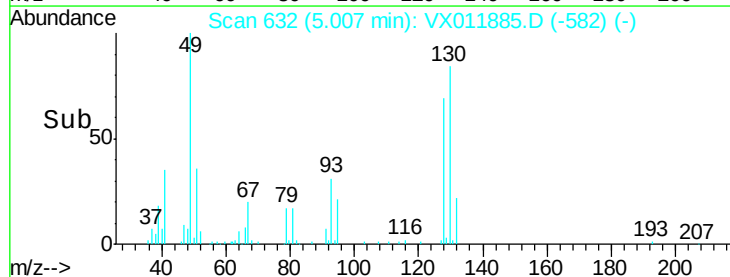
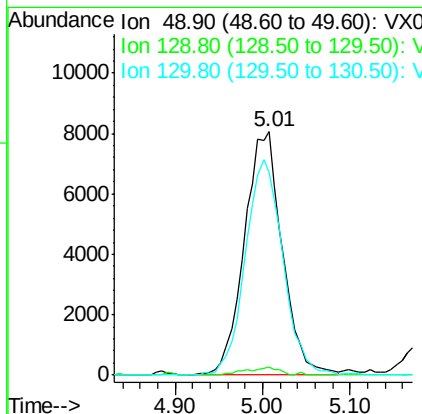
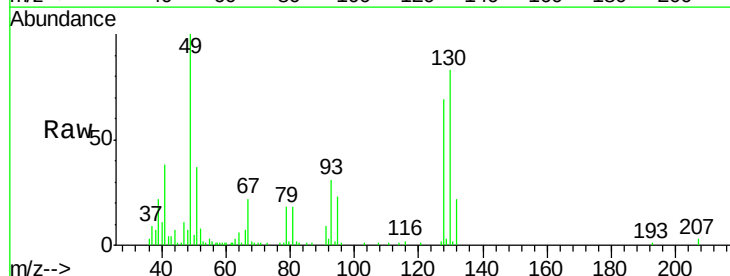
MMDadoda
9/3/2019 2:39:16 AM

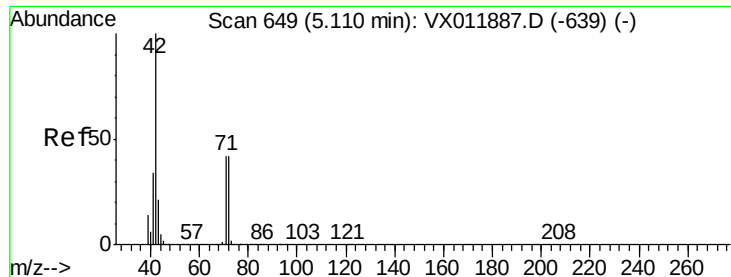


#28

Bromochloromethane
Concen: 10.009 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24355		
129	2.8	0.0	4.8	
130	87.7	70.6	105.8	





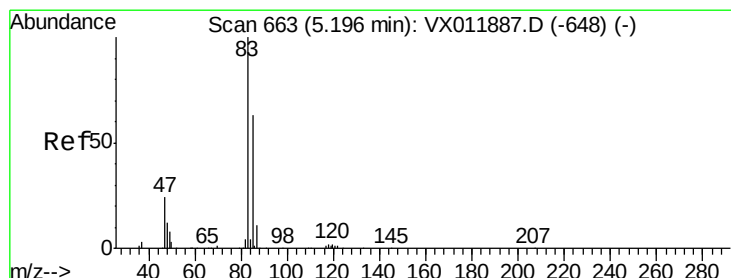
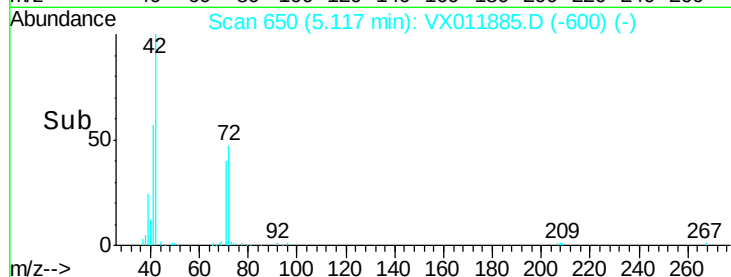
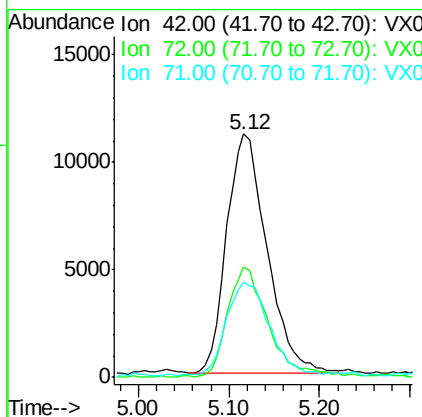
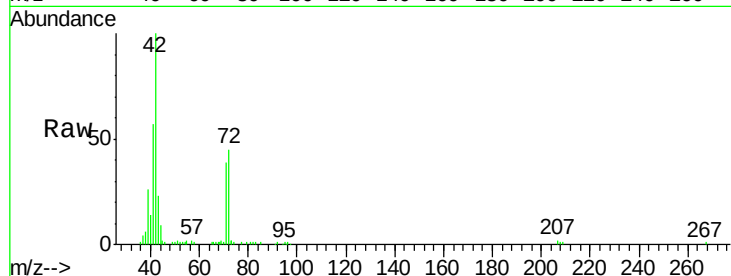
#29
Tetrahydrofuran
Concen: 52.032 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.01 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion:	42	Resp:	34448
Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.2	54.4
71	42.1	33.1	49.7

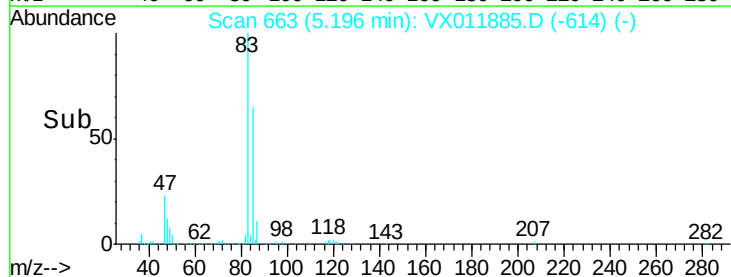
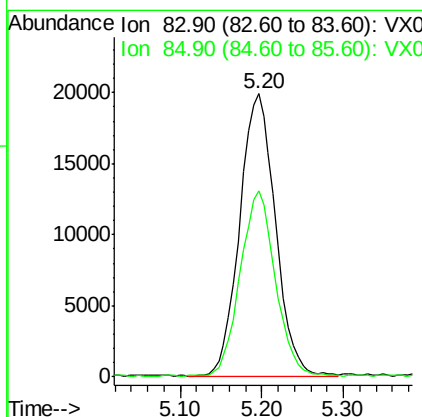
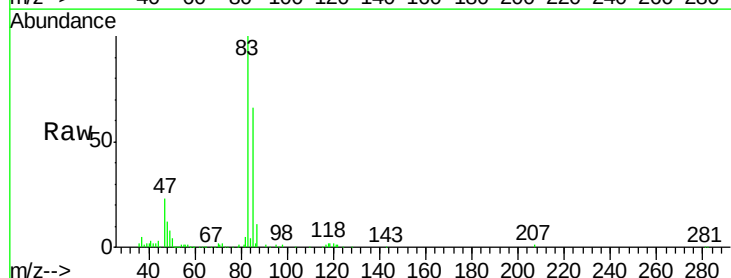
Manual Integrations
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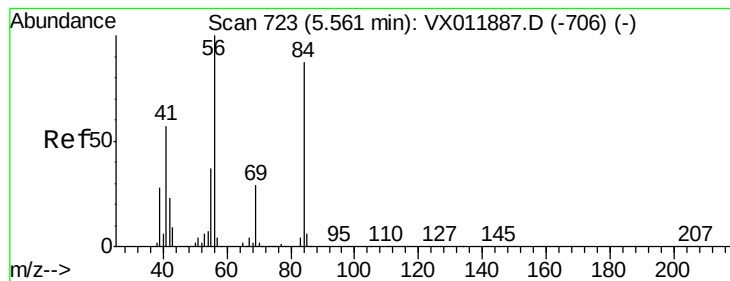
MMDadoda
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#30
Chloroform
Concen: 10.206 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion:	83	Resp:	60187
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	75.8





#31

Cyclohexane

Concen: 10.533 ug/l

RT: 5.56 min Scan# 723

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

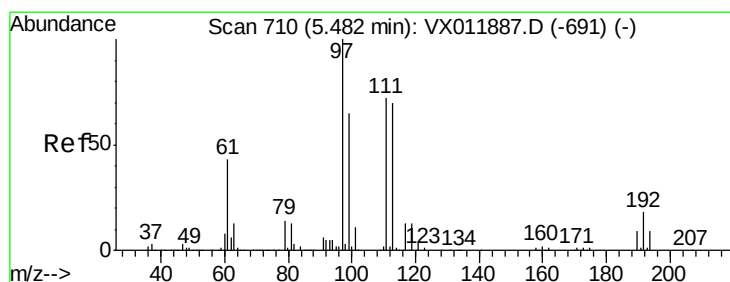
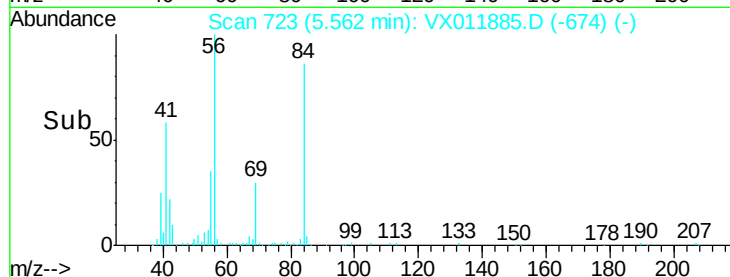
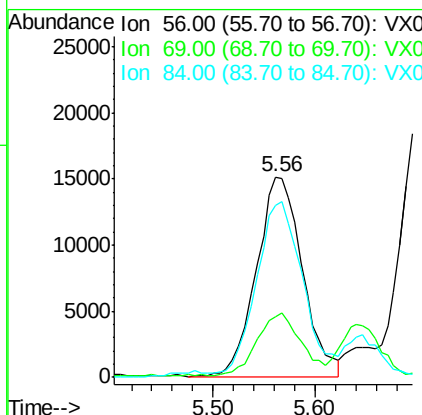
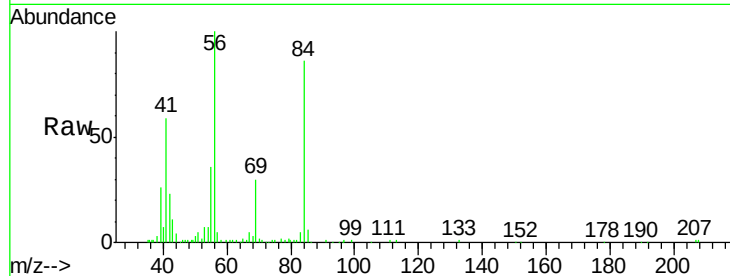
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	46937
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.1	34.7
84	83.9	69.6	104.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.508 ug/l

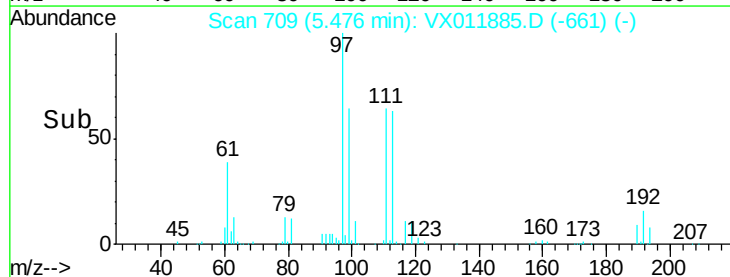
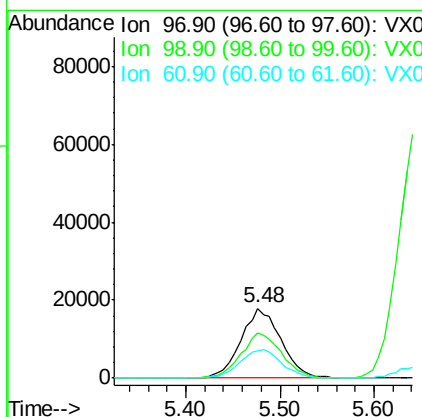
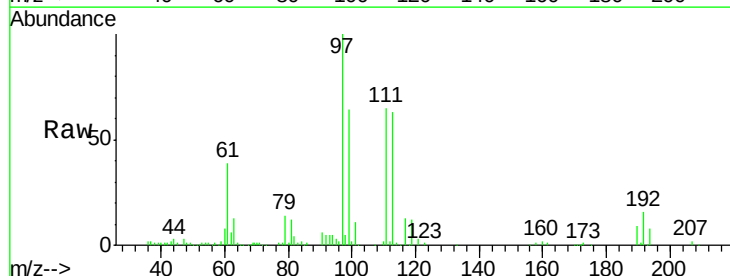
RT: 5.48 min Scan# 709

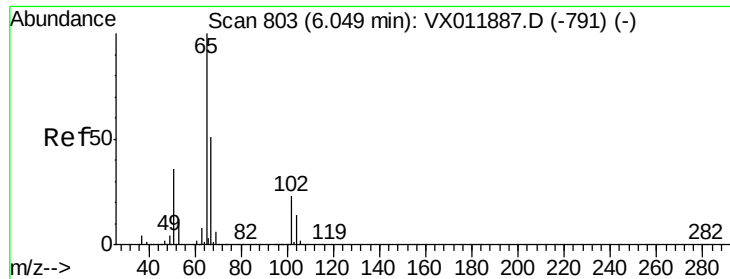
Delta R.T. -0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion:	97	Resp:	52290
Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.8	77.8
61	43.2	33.8	50.6





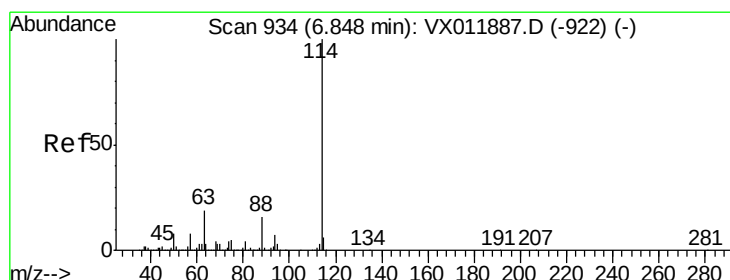
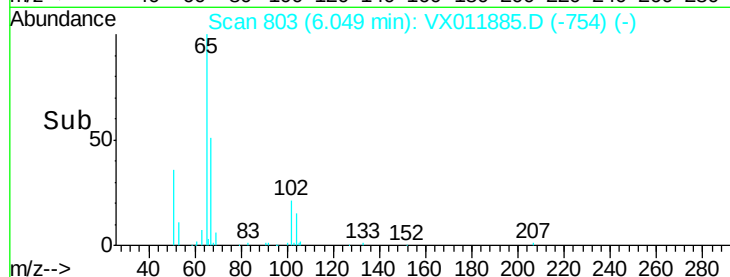
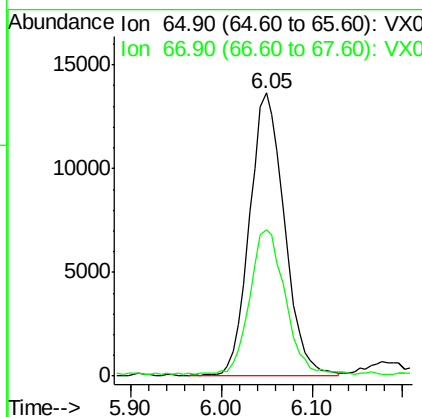
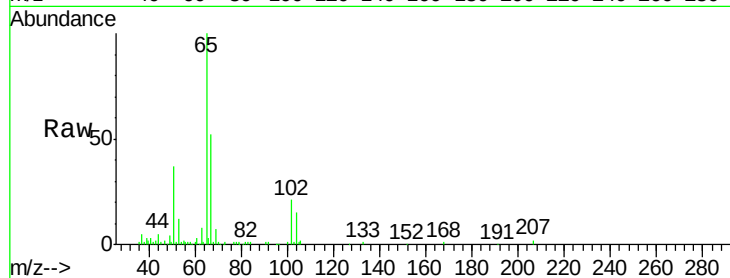
#33
 1,2-Dichloroethane-d4
 Concen: 10.639 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.2

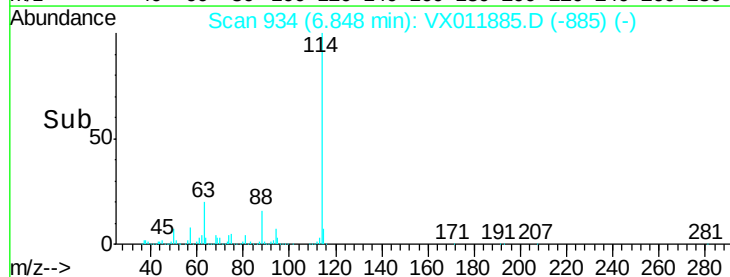
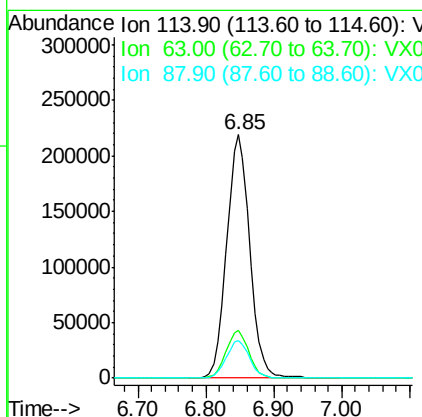
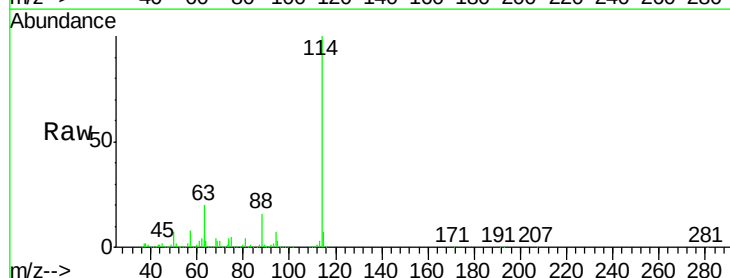
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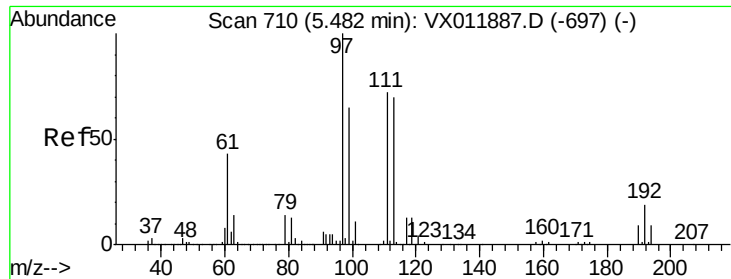
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.8
88	15.5	0.0	31.2





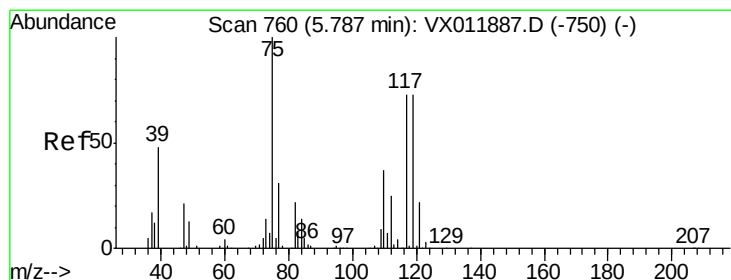
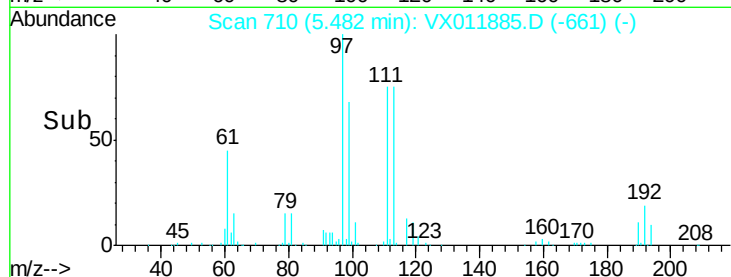
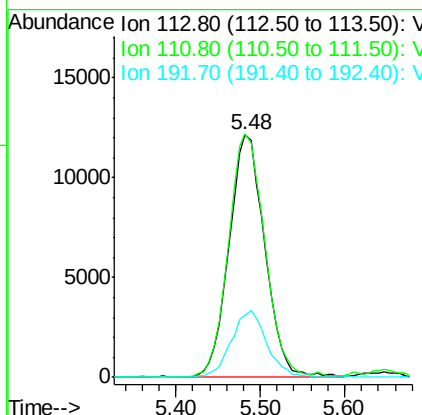
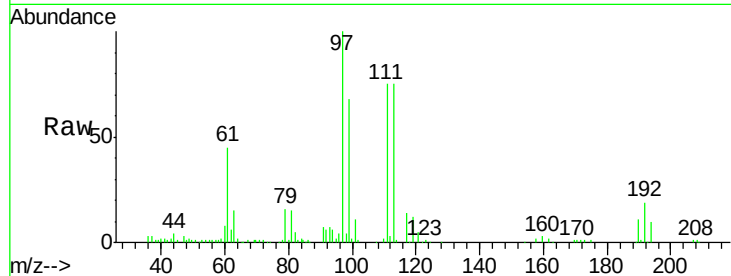
#35
 Dibromofluoromethane
 Concen: 10.951 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.1	123.1
192	27.4	21.5	32.3

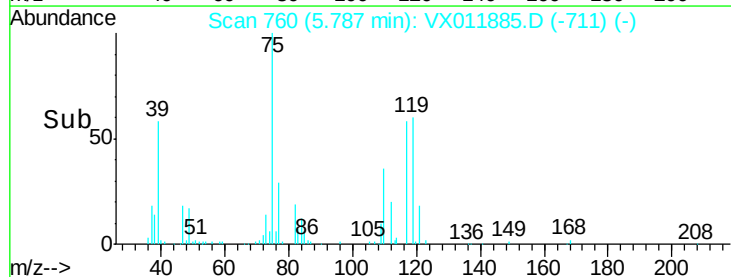
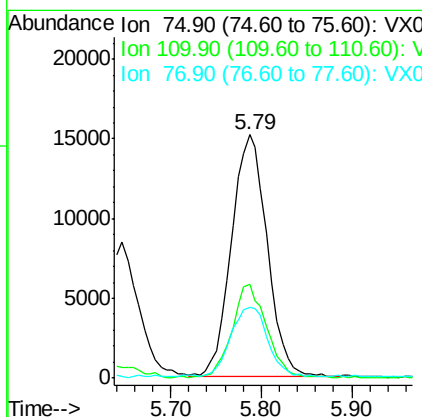
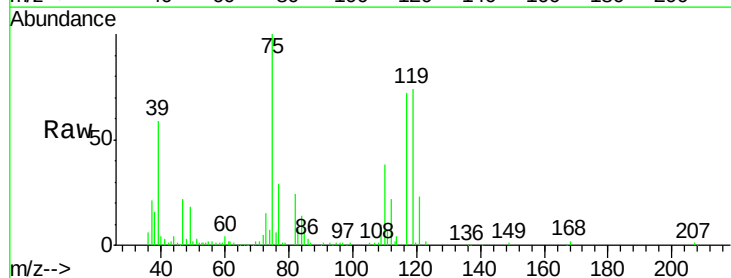
Manual Integrations
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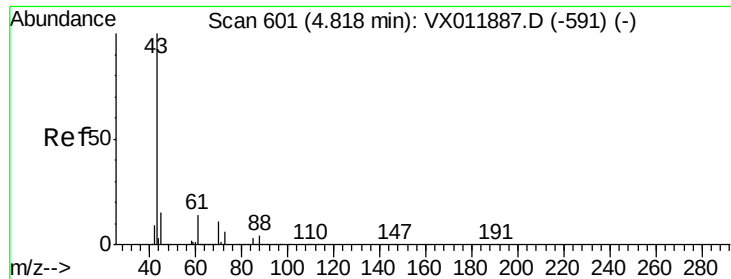
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#36
 1,1-Dichloropropene
 Concen: 10.175 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.1	57.3
77	30.2	24.4	36.6





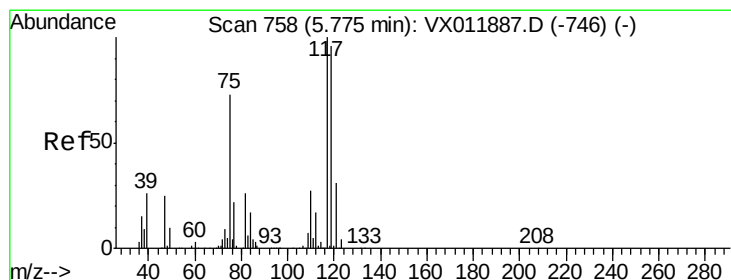
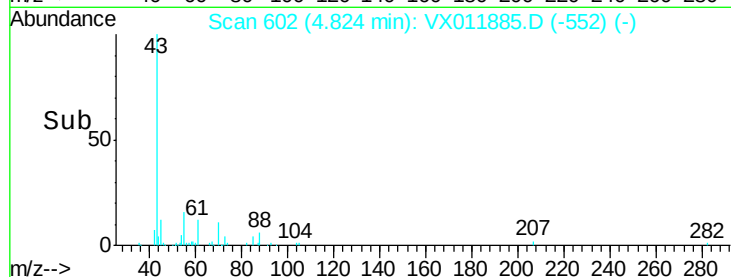
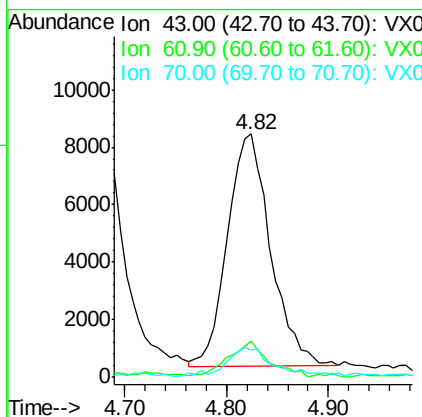
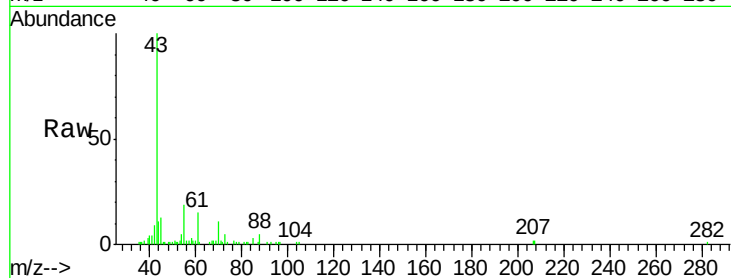
#37
Ethyl Acetate
Concen: 12.405 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.01 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.4
70	15.0	9.2	13.8

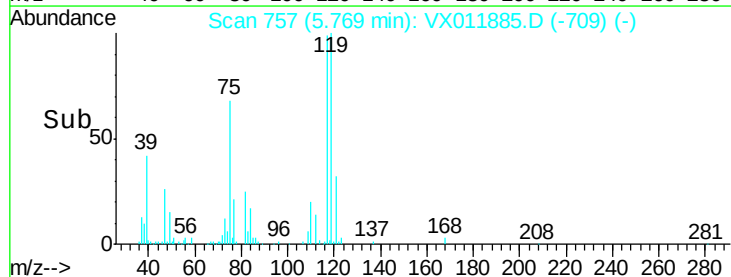
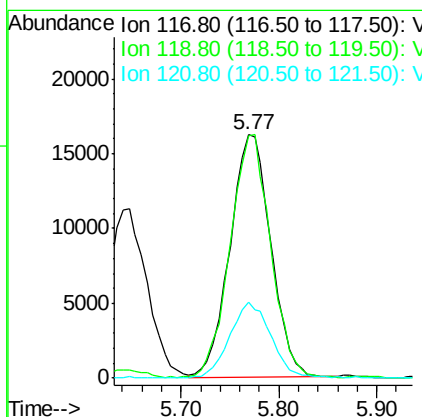
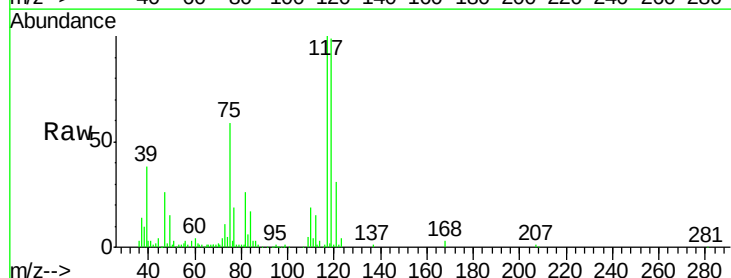
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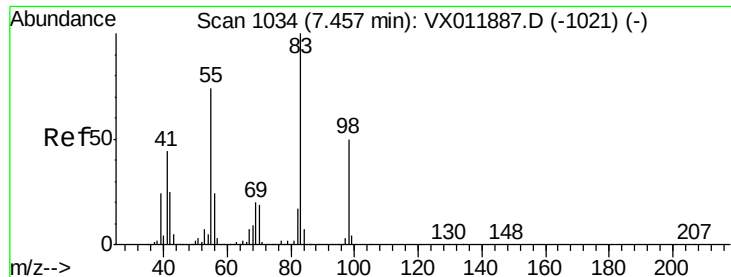
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#38
Carbon Tetrachloride
Concen: 11.922 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	76.6	114.8
121	31.2	24.7	37.1





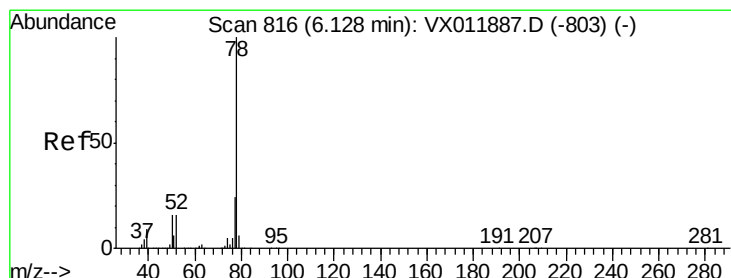
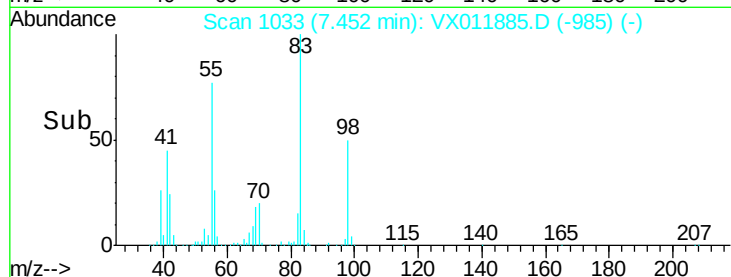
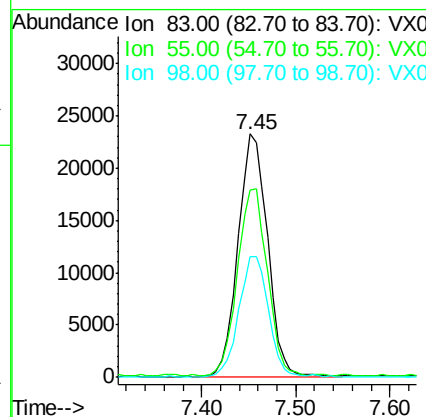
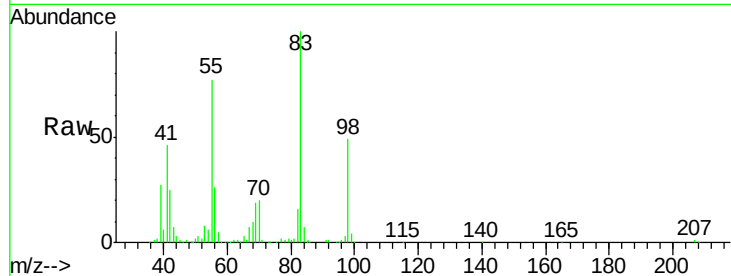
#39
Methylvlcyclohexane
Concen: 10.448 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	59.4	89.0
98	49.5	40.3	60.5

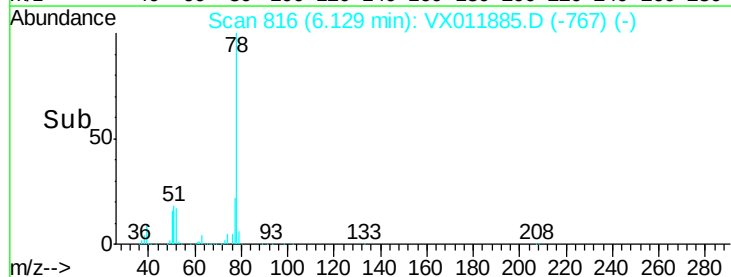
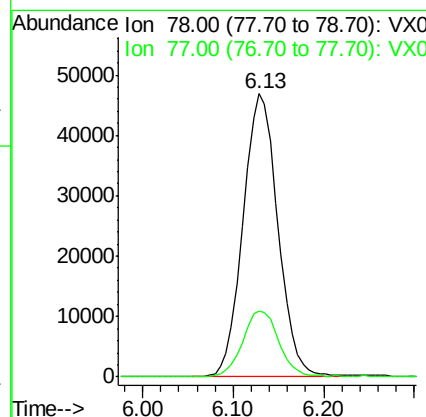
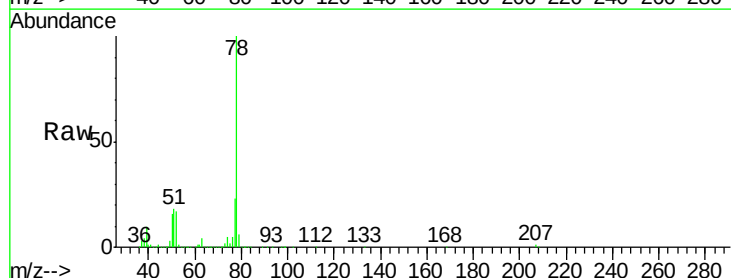
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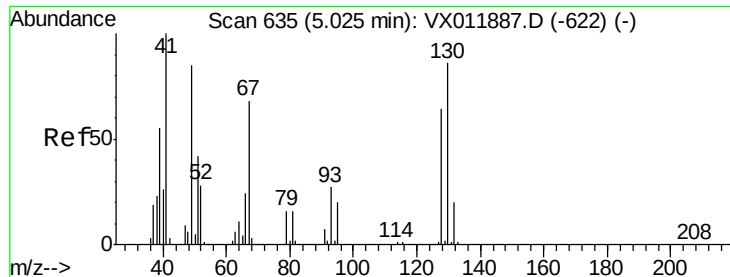
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#40
Benzene
Concen: 10.277 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6





#41

Methacrylonitrile

Concen: 10.948 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 14226

Ion Ratio Lower Upper

41 100

39 55.1 45.0 67.6

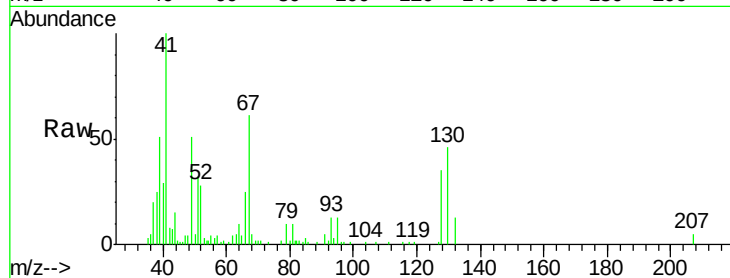
67 71.7 55.0 82.4

52 29.4 24.1 36.1

Manual Integrations
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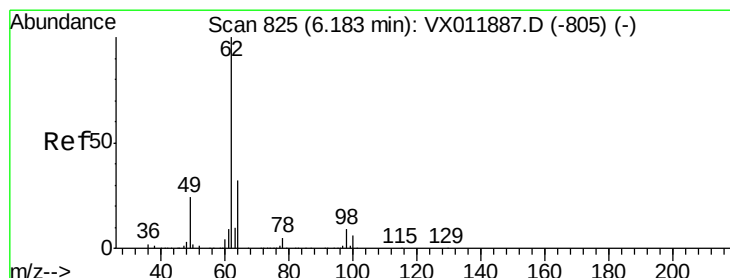
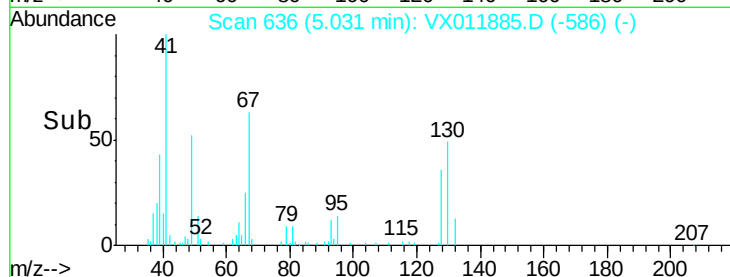
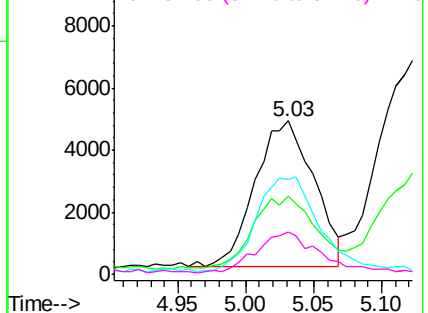
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 10.476 ug/l

RT: 6.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX011885.D

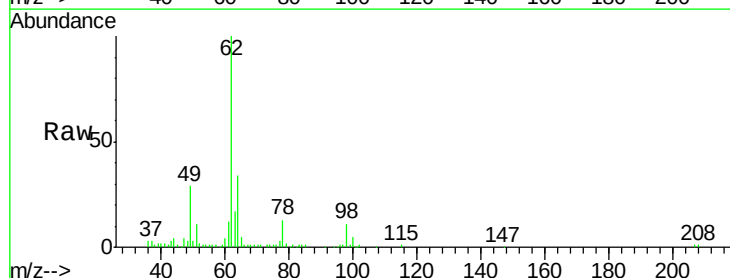
Acq: 29 Aug 2019 21:15

Tgt Ion: 62 Resp: 42298

Ion Ratio Lower Upper

62 100

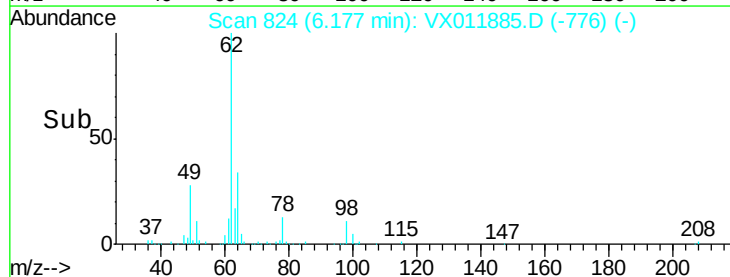
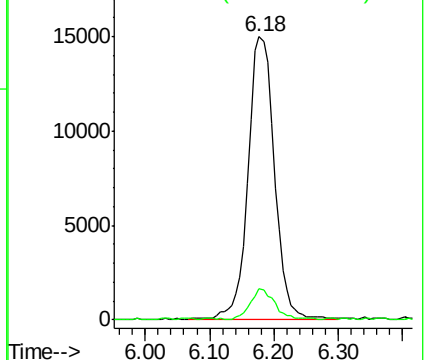
98 10.2 0.0 19.2

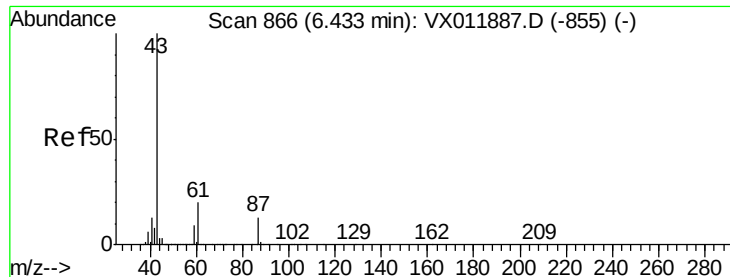


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 12.898 ug/l

RT: 6.43 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

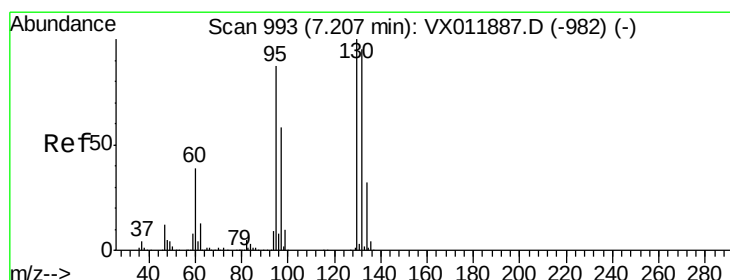
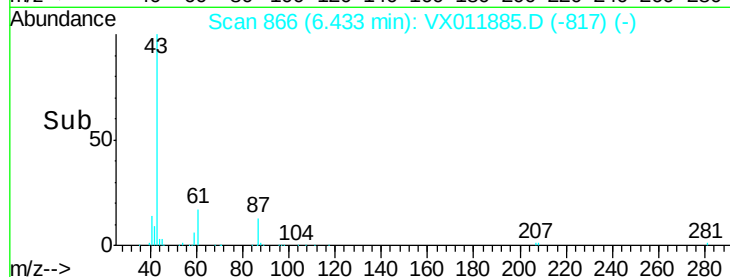
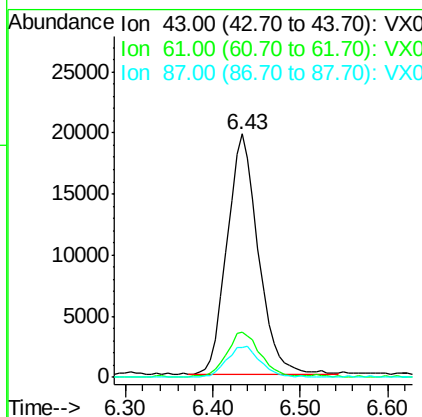
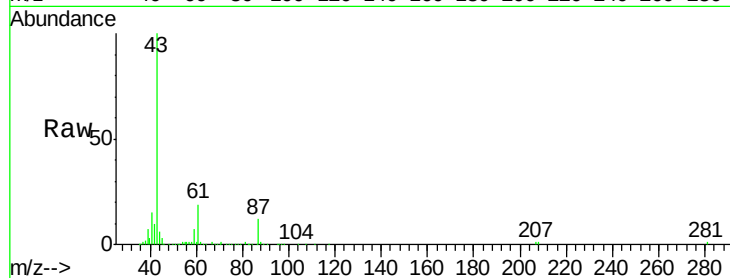
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	49039
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	13.9	10.6	16.0

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 9.140 ug/l

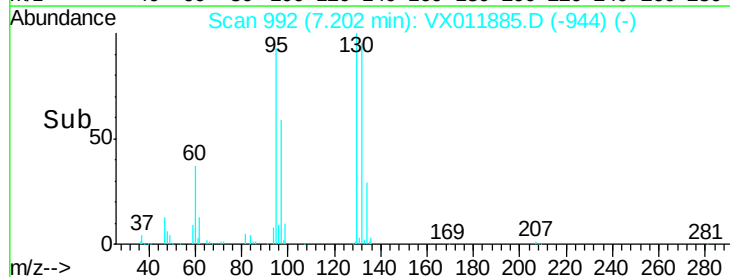
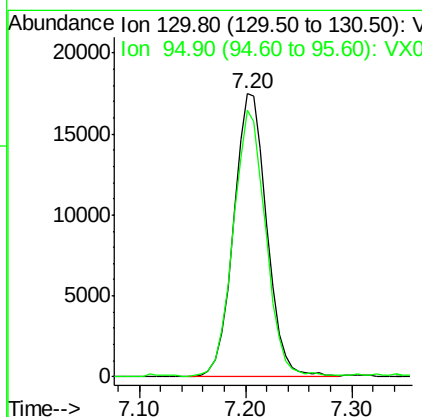
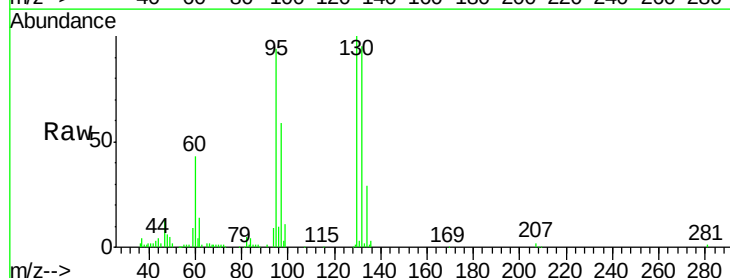
RT: 7.20 min Scan# 992

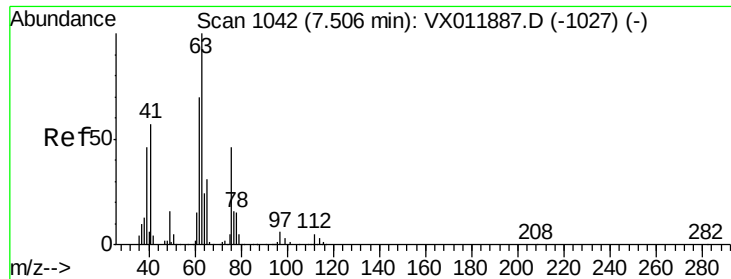
Delta R.T. -0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion:	130	Resp:	38190
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	174.6





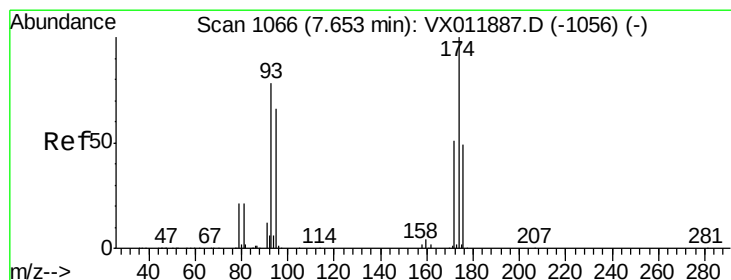
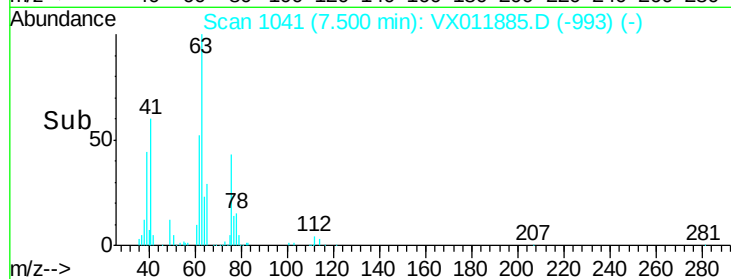
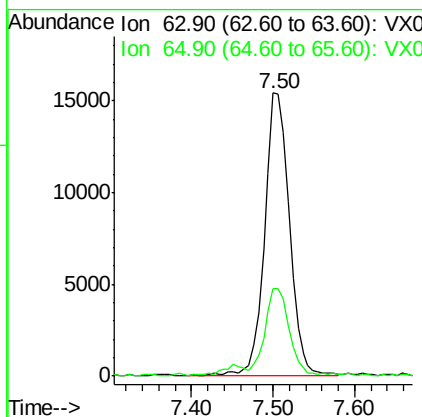
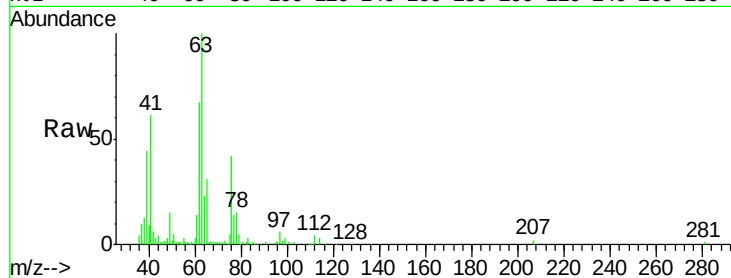
#45
 1,2-Dichloropropane
 Concen: 10.657 ug/l
 RT: 7.50 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.1	37.7

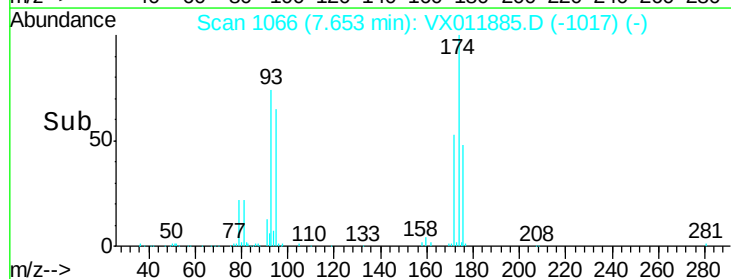
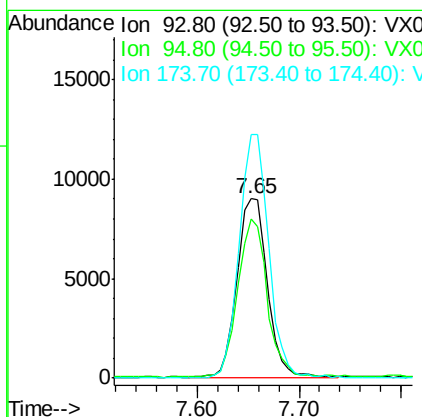
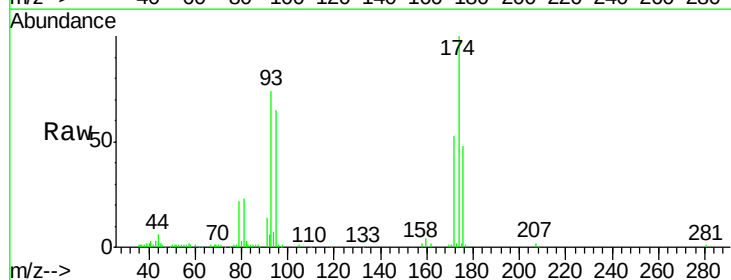
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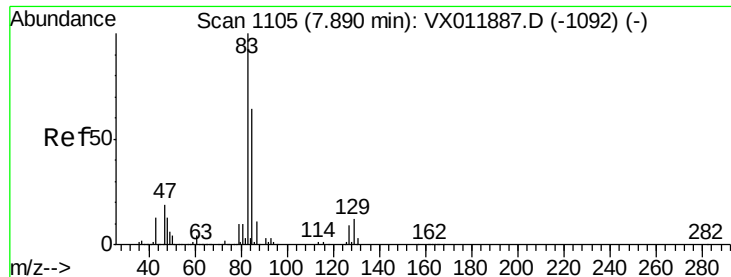
MMDadoda
 9/3/2019 2:39:16 AM



#46
 Dibromomethane
 Concen: 10.230 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.7	98.5
174	130.6	104.2	156.4





#47

Bromodichloromethane

Concen: 10.976 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

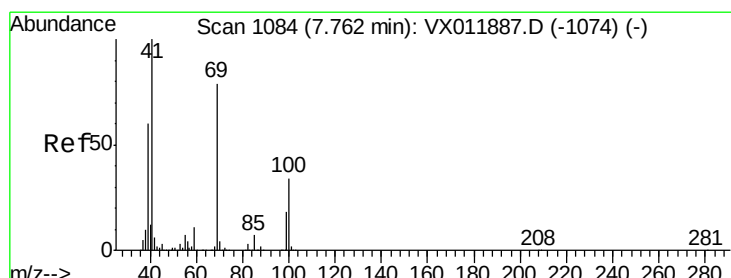
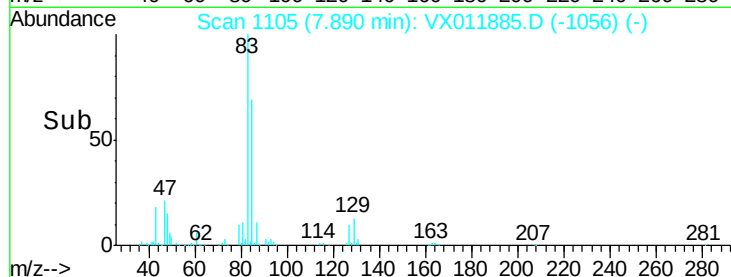
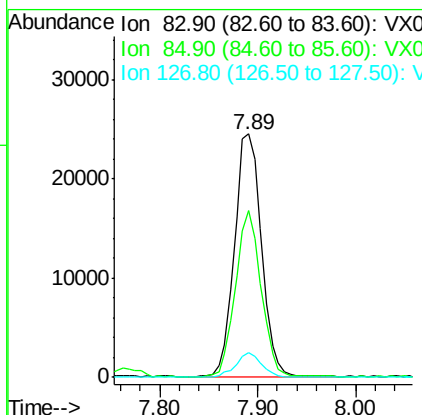
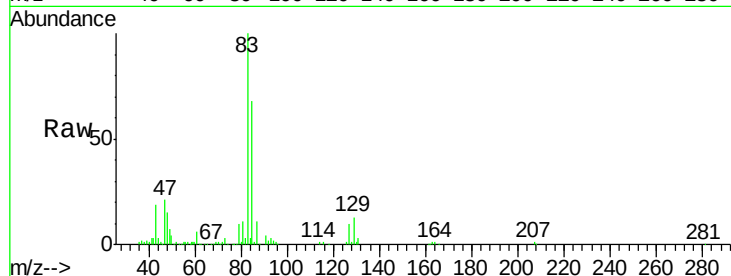
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	46884
Ion	Ratio	Lower	Upper
83	100		
85	68.3	51.1	76.7
127	10.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 12.391 ug/l

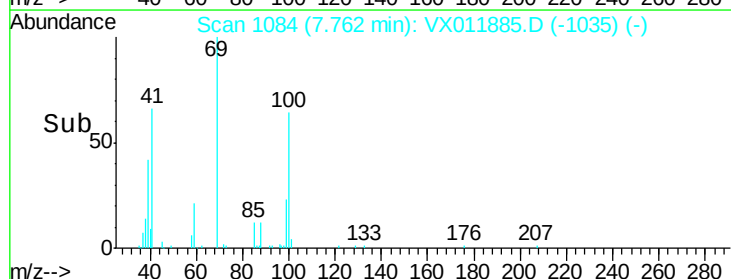
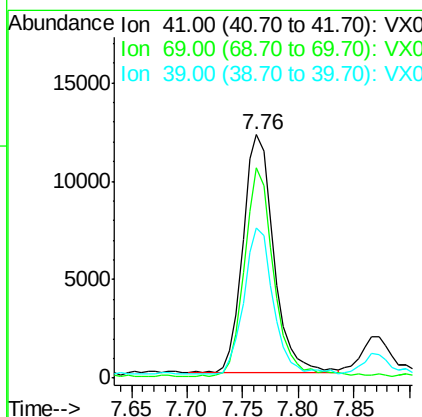
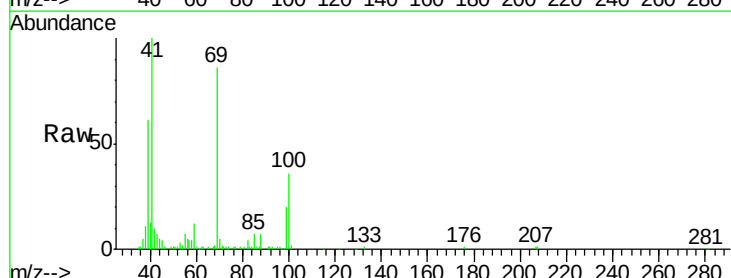
RT: 7.76 min Scan# 1084

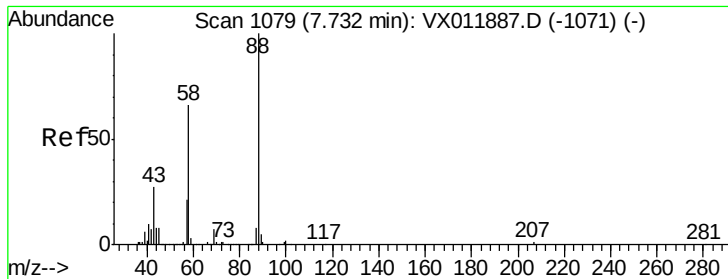
Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion:	41	Resp:	23176
Ion	Ratio	Lower	Upper
41	100		
69	84.5	64.4	96.6
39	58.3	47.2	70.8





#49

1,4-Dioxane

Concen: 246.341 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

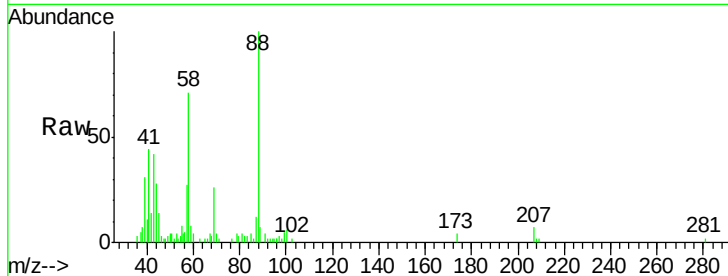
ClientSampleId :

VSTDIC010

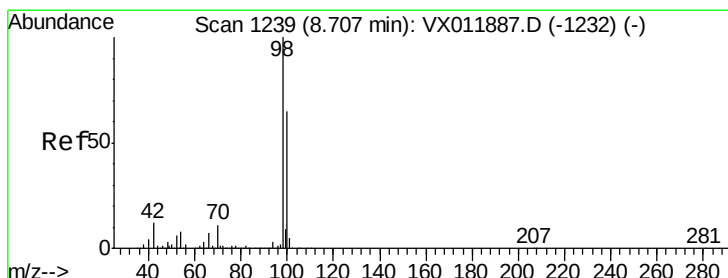
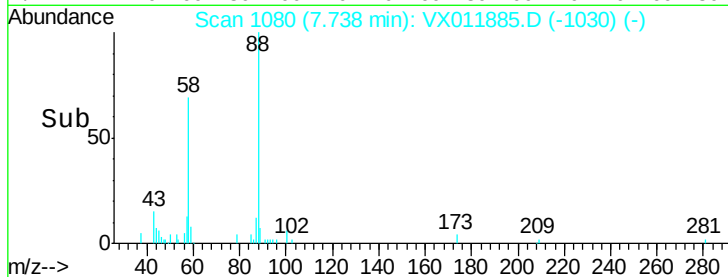
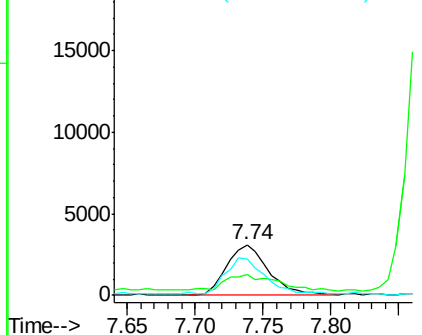
Tot Ion:	88	Resp:	6654
Ion	Ratio	Lower	Upper
88	100		
43	40.8	27.3	40.9
58	68.5	53.9	80.9

Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 10.097 ug/l

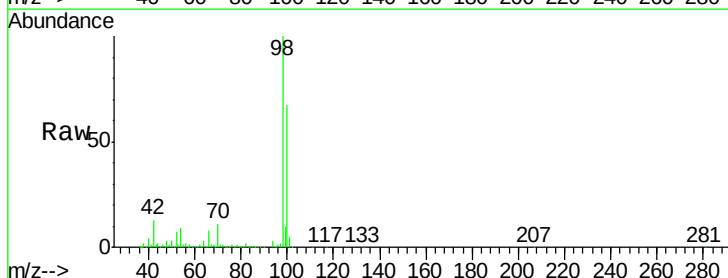
RT: 8.71 min Scan# 1239

Delta R.T. 0.00 min

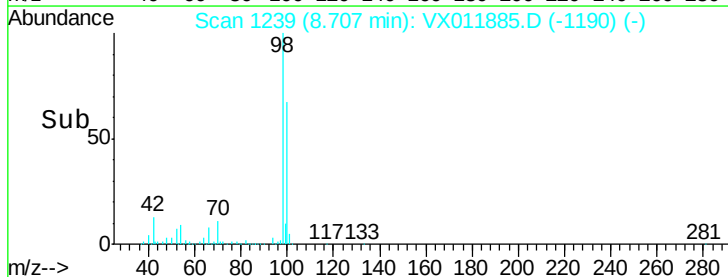
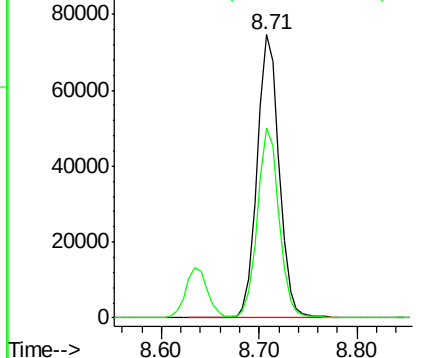
Lab File: VX011885.D

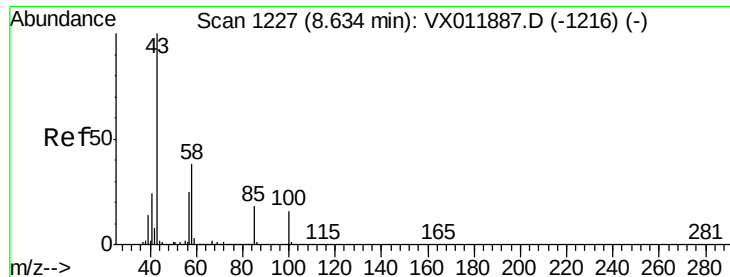
Acq: 29 Aug 2019 21:15

Tgt Ion:	98	Resp:	116472
Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





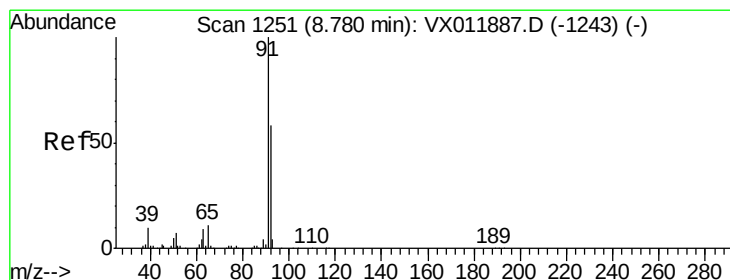
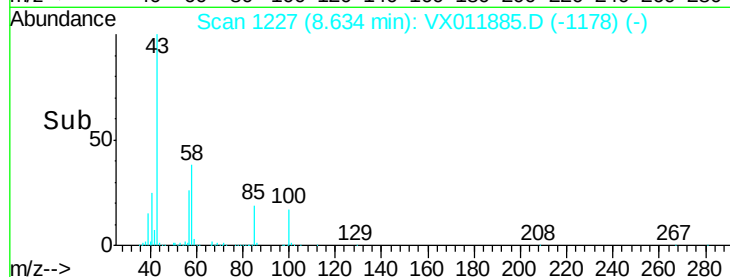
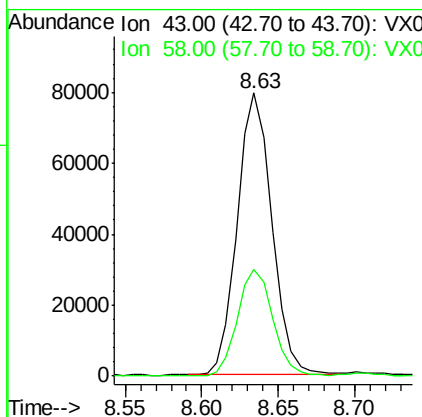
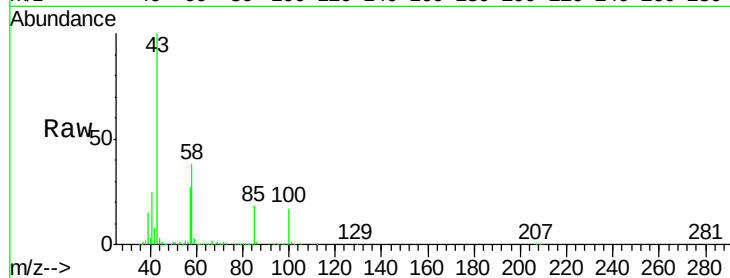
#51
4-Methyl-2-Pentanone
Concen: 61.709 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.9	46.3

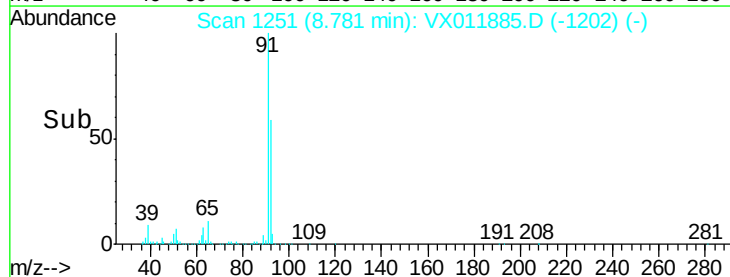
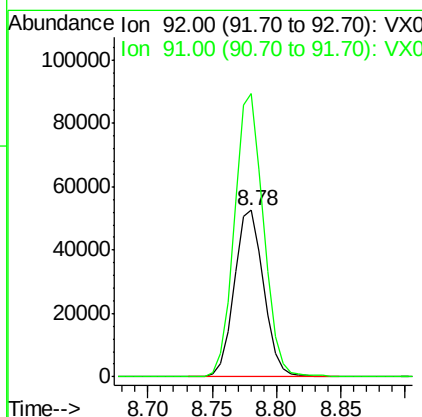
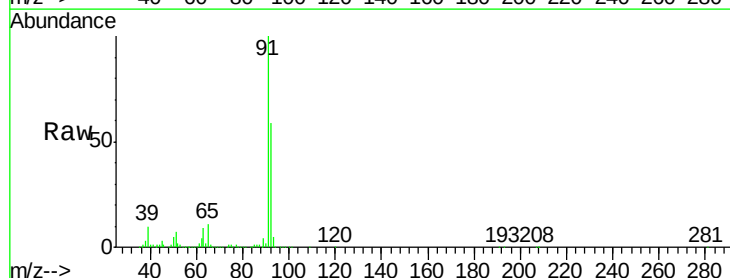
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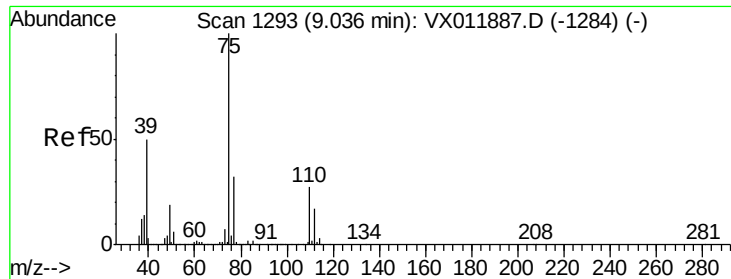
MMDadoda
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#52
Toluene
Concen: 10.537 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.8	136.8	205.2





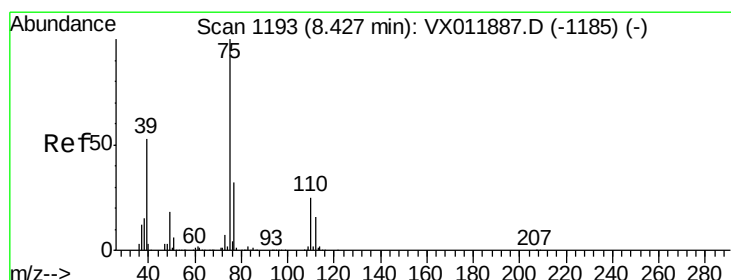
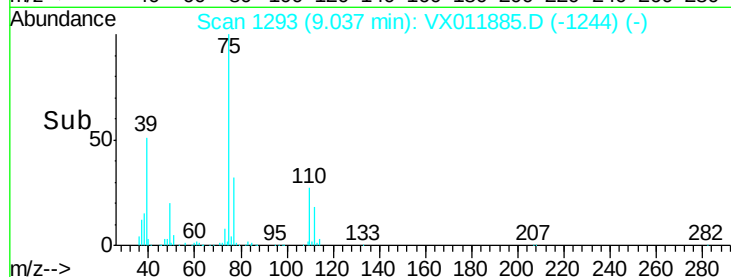
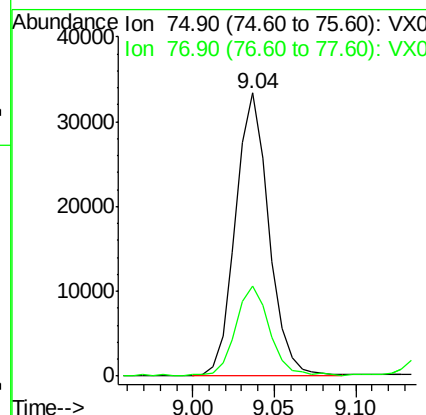
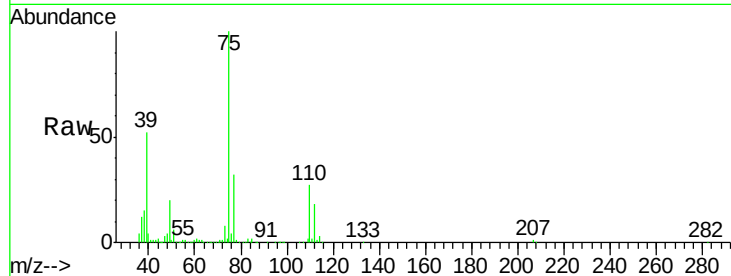
#53
t-1,3-Dichloropropene
Concen: 14.324 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4

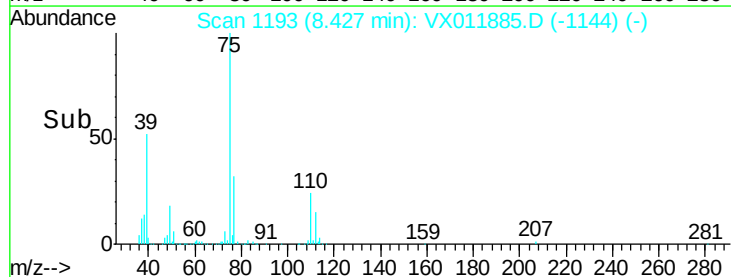
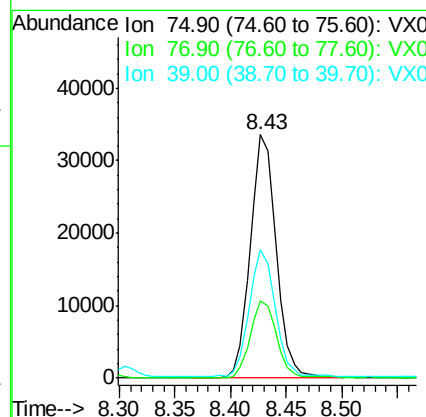
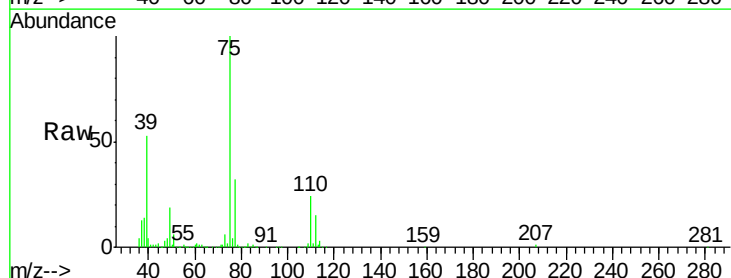
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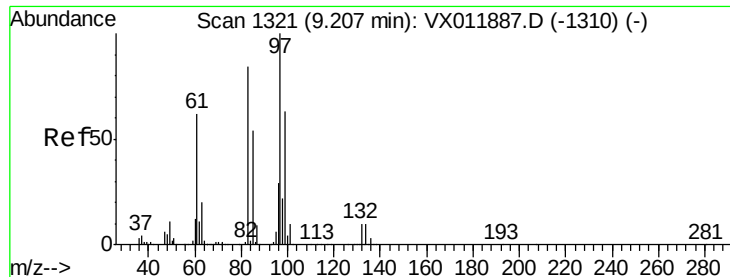
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 12.795 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	52.3	42.6	64.0





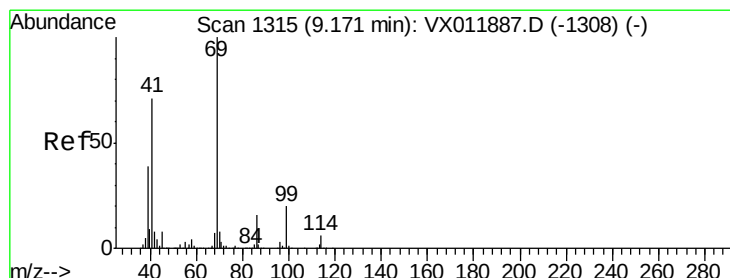
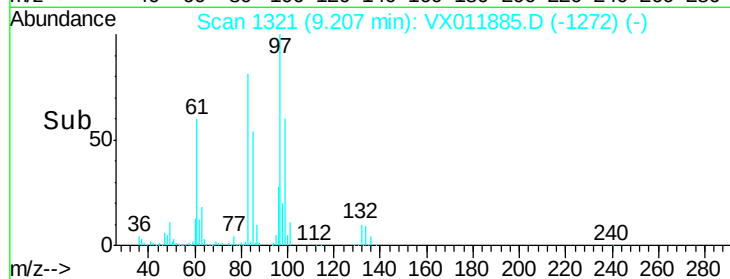
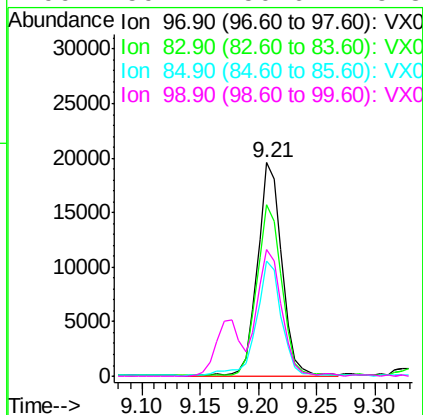
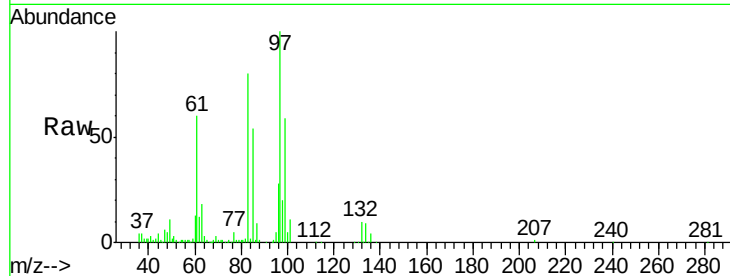
#55
 1,1,2-Trichloroethane
 Concen: 11.563 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	28953
Ion	Ratio	Lower	Upper
97	100		
83	79.7	66.8	100.2
85	53.6	43.5	65.3
99	59.4	50.6	75.8

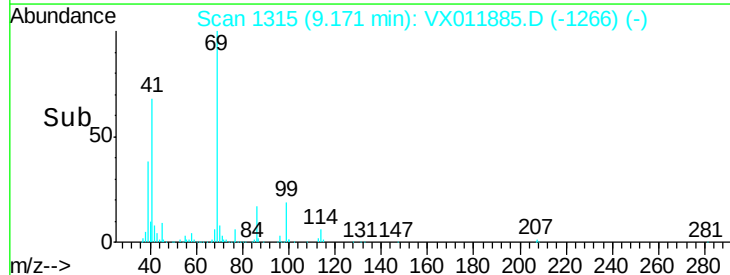
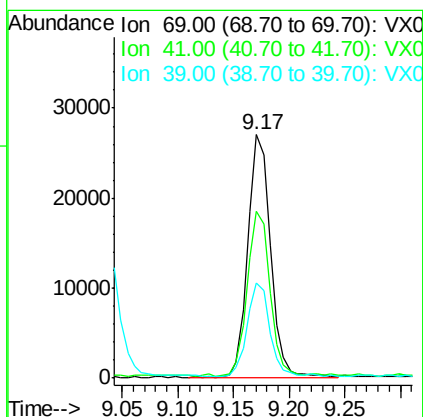
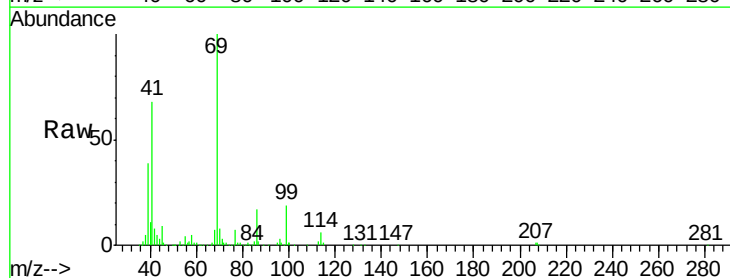
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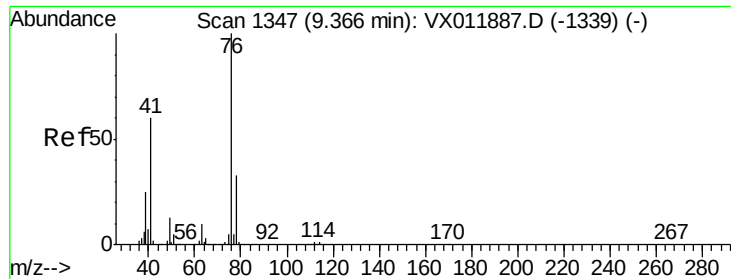
MMDadoda
 9/3/2019 2:39:16 AM



#56
 Ethyl methacrylate
 Concen: 14.717 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion:	69	Resp:	38258
Ion	Ratio	Lower	Upper
69	100		
41	69.1	55.8	83.8
39	38.2	31.1	46.7





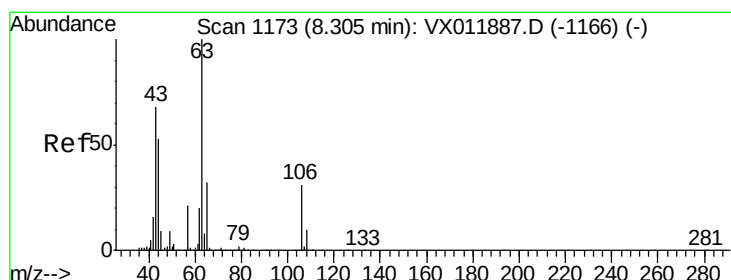
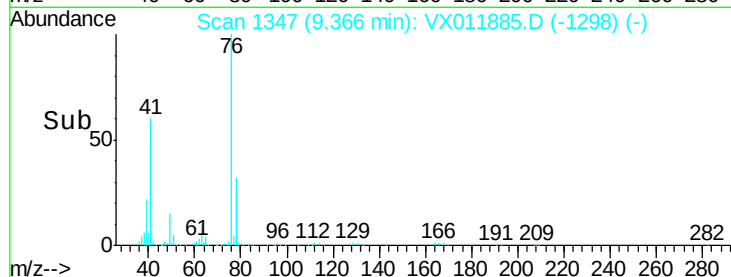
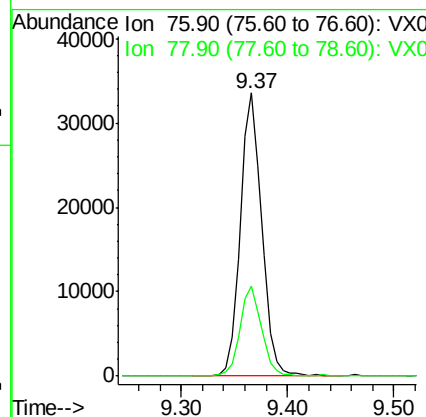
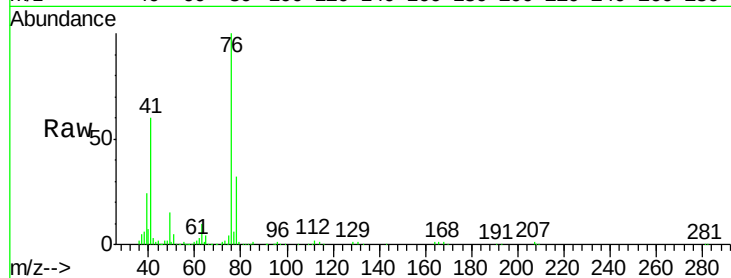
#57
 1,3-Dichloropropane
 Concen: 11.750 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.4	39.6

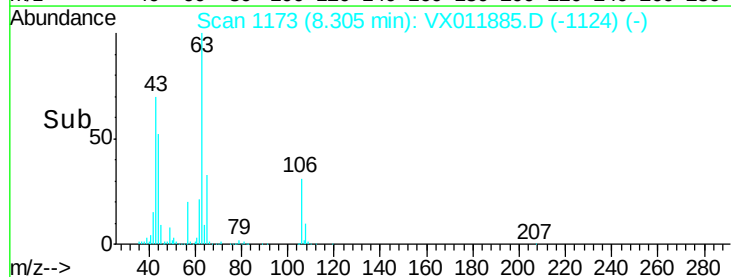
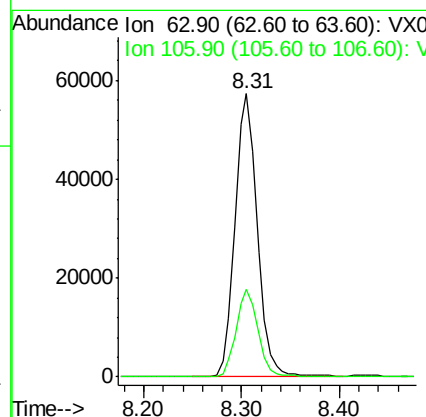
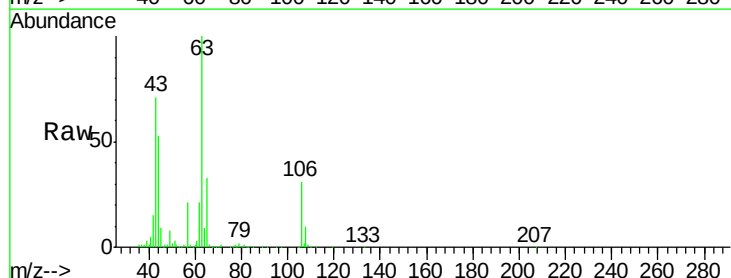
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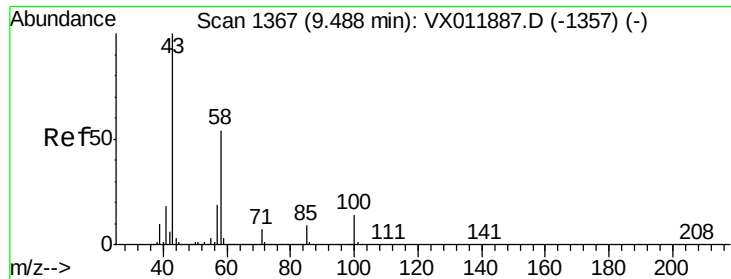
MMDadoda
 9/3/2019 2:39:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.514 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	24.8	37.2





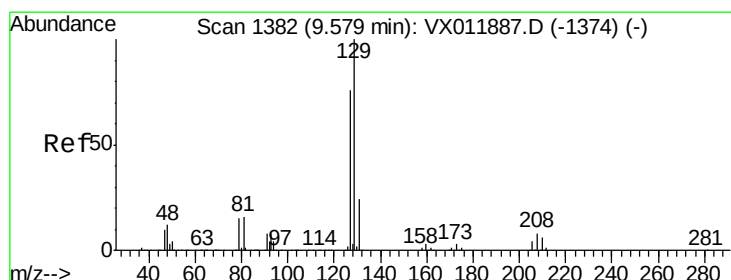
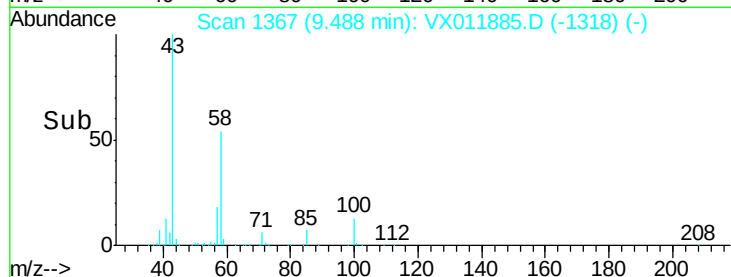
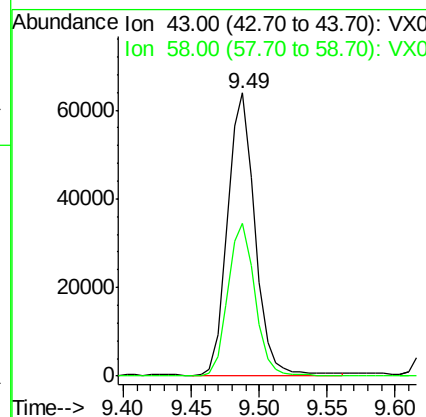
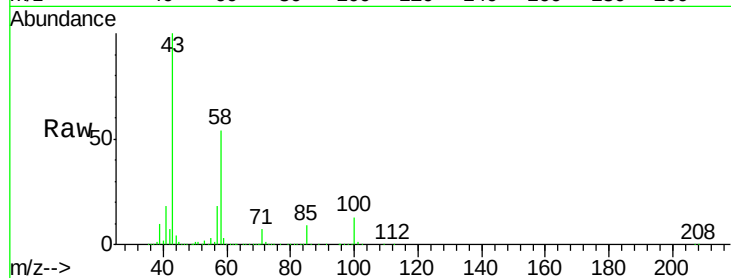
#59
2-Hexanone
Concen: 66.329 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	26.8	80.4

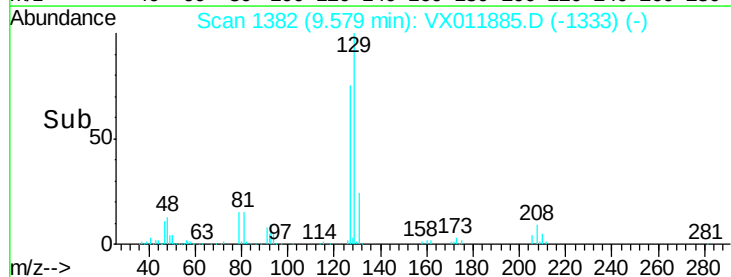
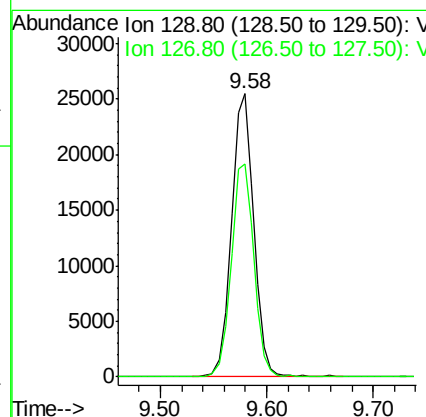
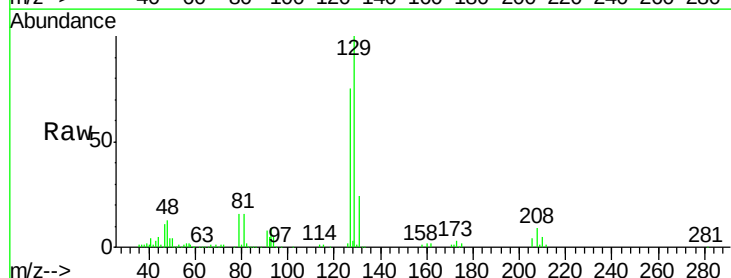
Manual Integrations
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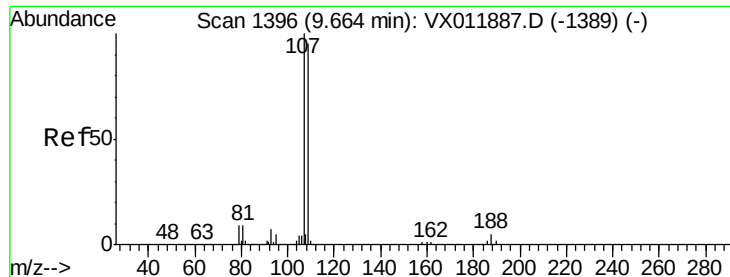
MMDadoda
9/3/2019 2:39:16 AM



#60
Dibromochloromethane
Concen: 11.583 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.6	115.7





#61

1,2-Dibromoethane

Concen: 11.821 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 27769

Ion Ratio Lower Upper

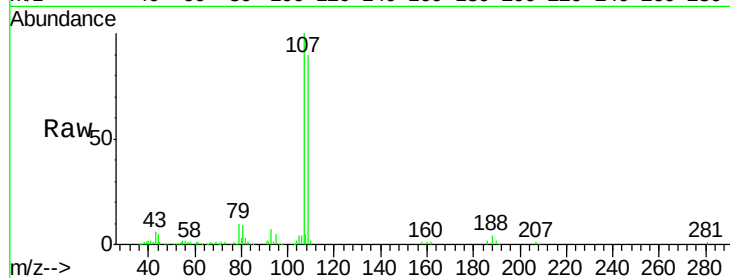
107 100

109 93.5 75.3 112.9

Manual Integrations
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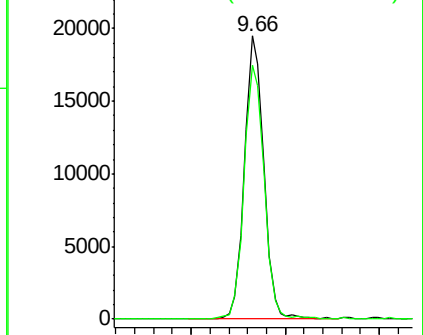
MMDadoda

9/3/2019 2:39:16 AM

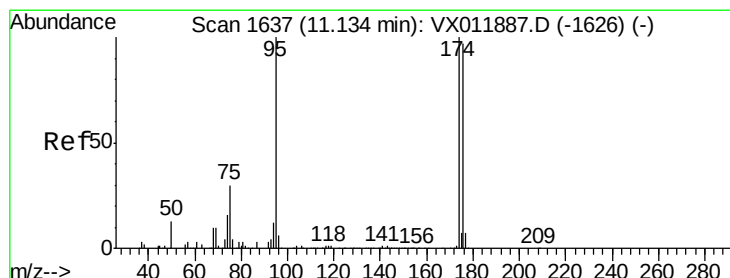
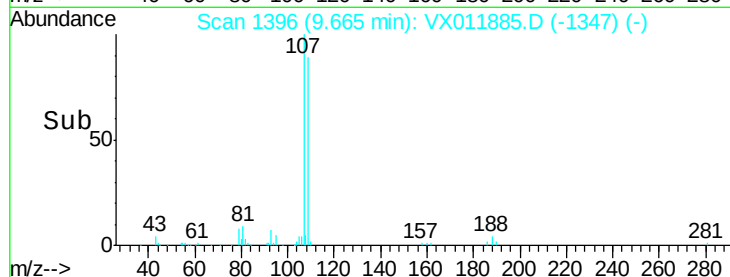


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 11.439 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

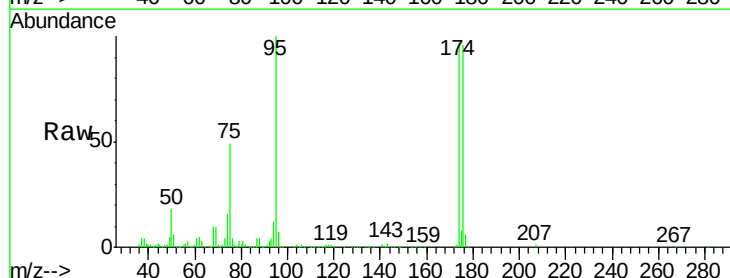
Tgt Ion: 95 Resp: 58504

Ion Ratio Lower Upper

95 100

174 94.4 0.0 196.0

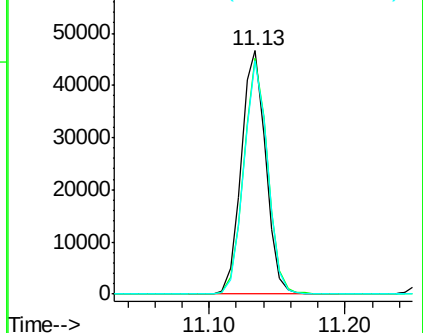
176 93.3 0.0 191.4



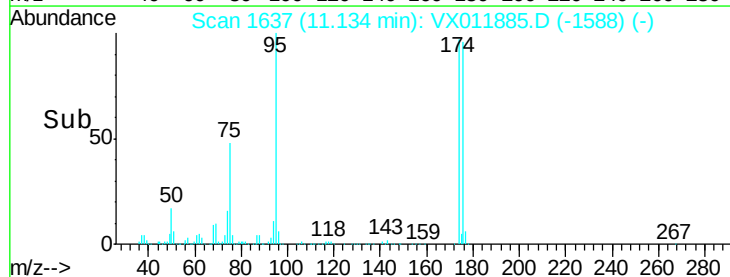
Abundance Ion 94.90 (94.60 to 95.60): VX0

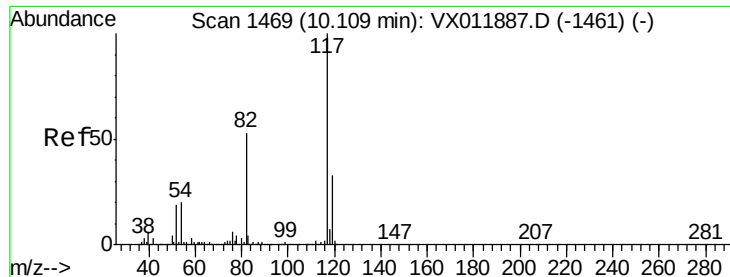
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





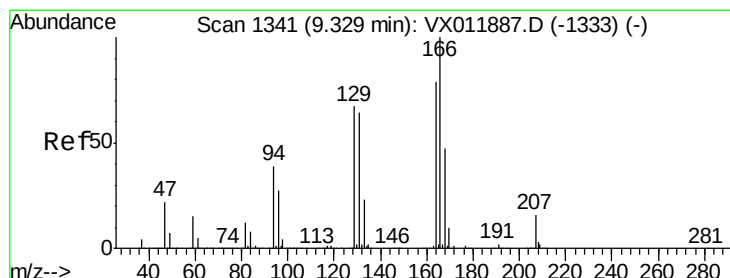
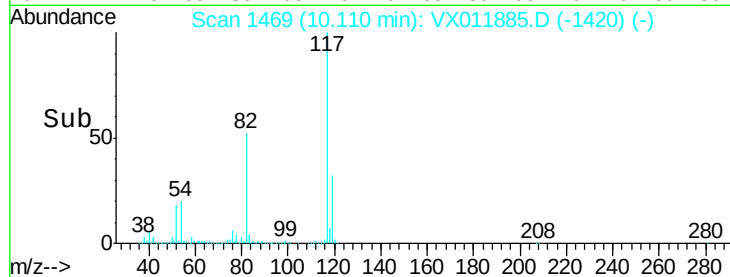
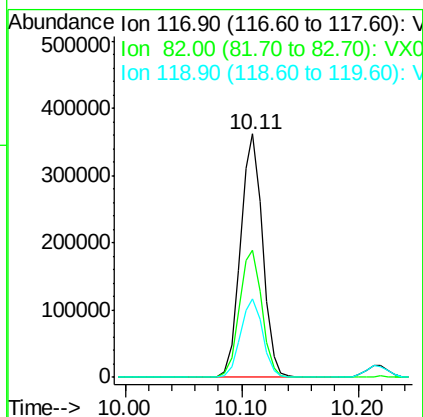
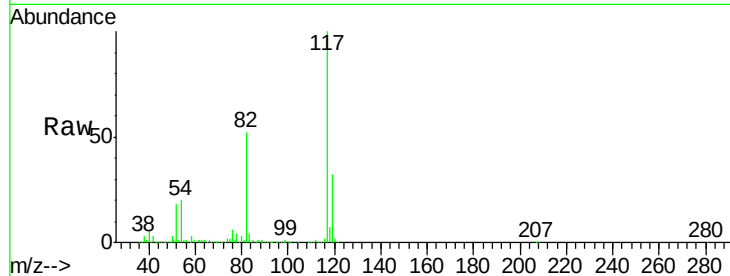
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	479003		
82	52.1		42.0	63.0
119	32.1		26.2	39.4

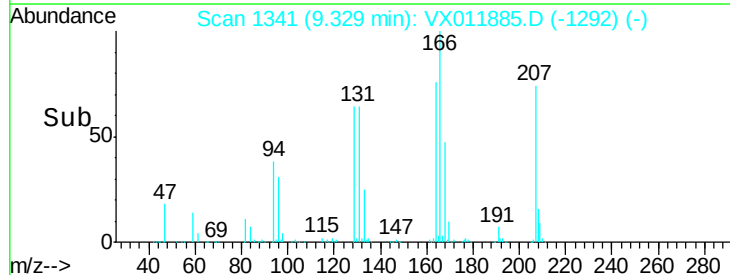
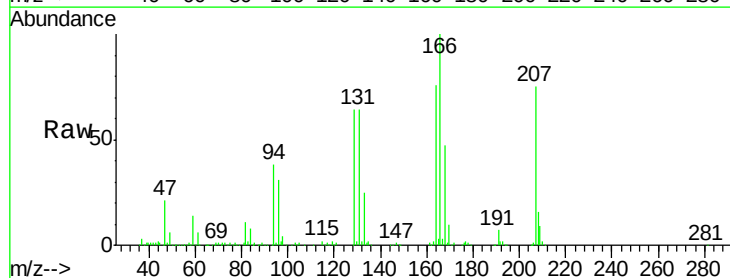
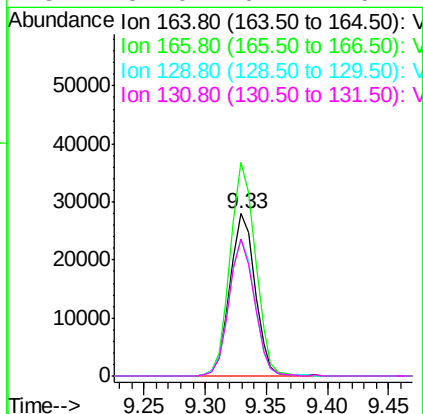
Manual Integrations
APPROVED

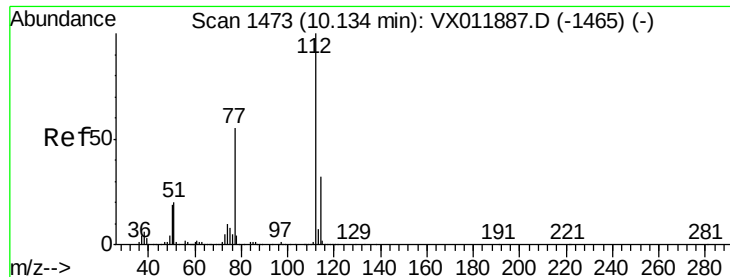
MMDadoda
9/3/2019 2:39:16 AM



#64
Tetrachloroethene
Concen: 8.355 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39889		
166	131.4		101.4	152.0
129	84.1		68.0	102.0
131	84.0		64.7	97.1





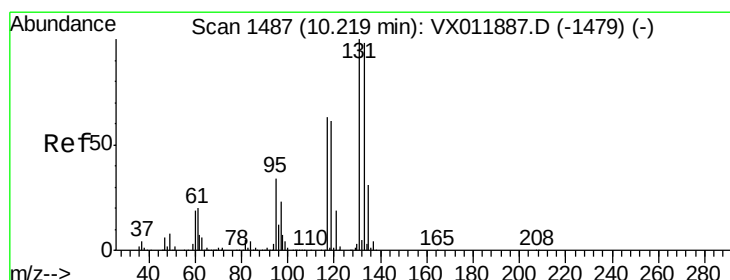
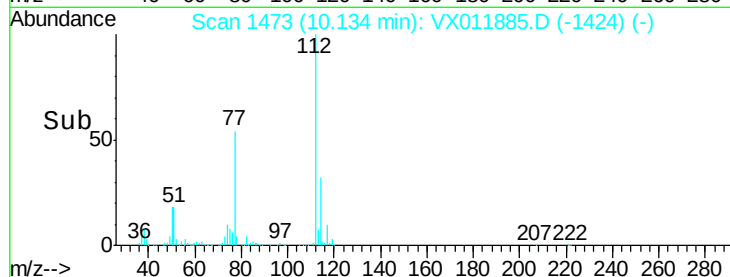
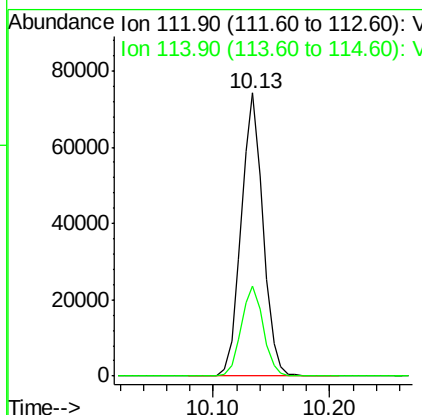
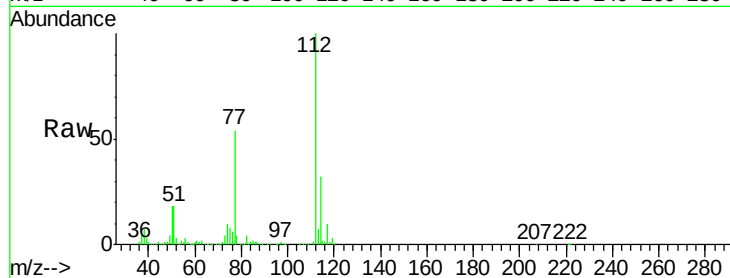
#65
Chlorobenzene
Concen: 10.744 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

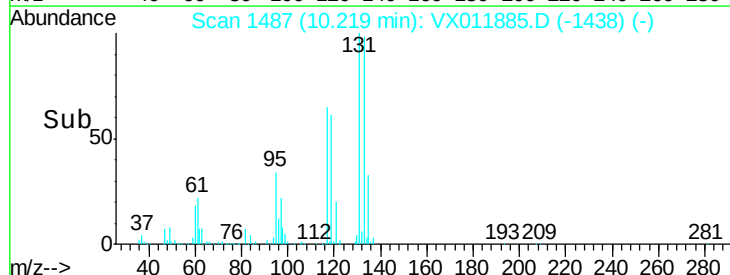
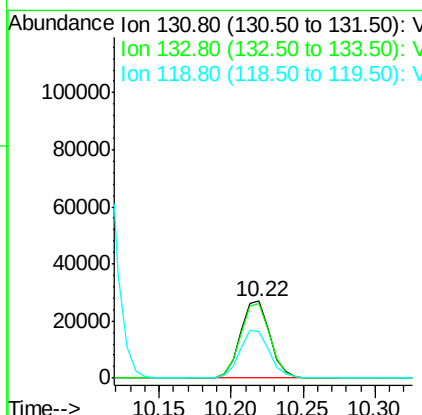
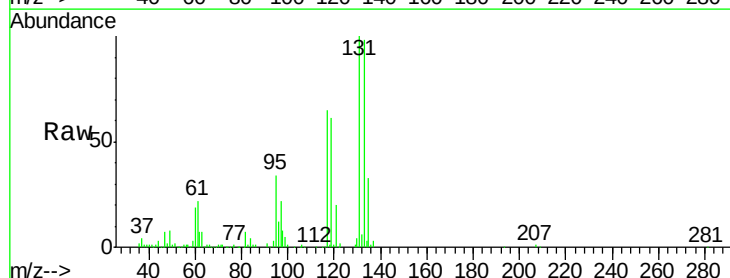
Manual Integrations
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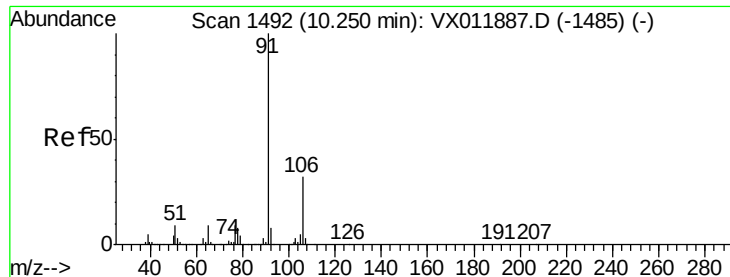
MMDadoda
9/3/2019 2:39:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 11.766 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	48.4	145.0
119	61.6	30.6	92.0





#67

Ethyl Benzene

Concen: 10.682 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 165514

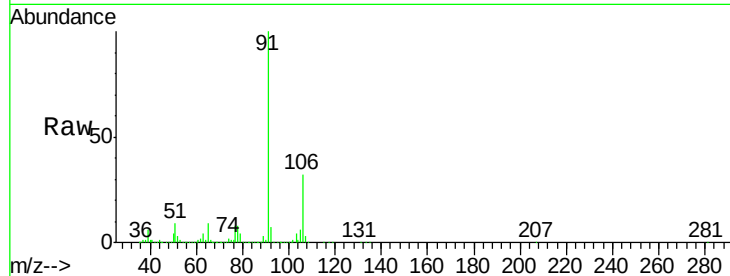
Ion Ratio Lower Upper

91 100

106 32.1 25.8 38.8

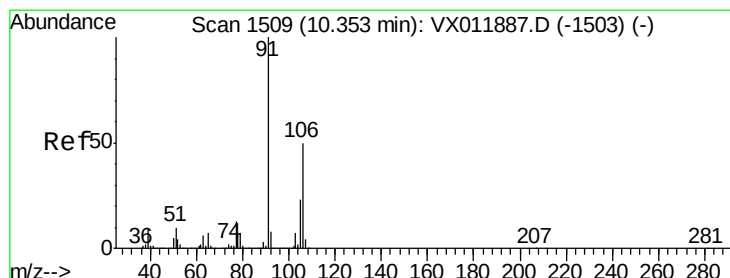
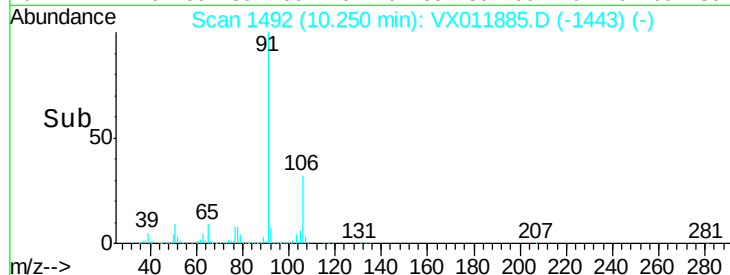
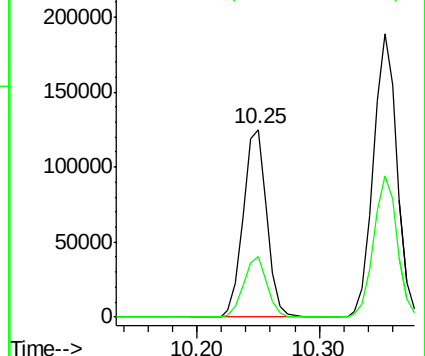
Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 21.057 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011885.D

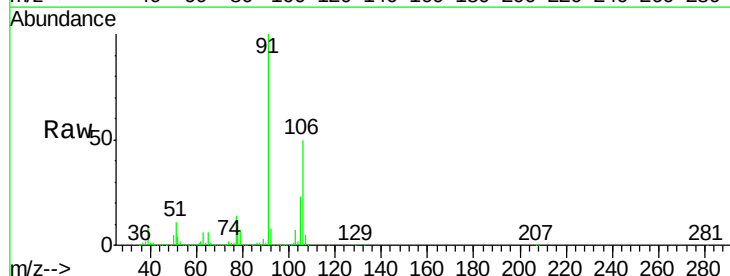
Acq: 29 Aug 2019 21:15

Tgt Ion: 106 Resp: 126034

Ion Ratio Lower Upper

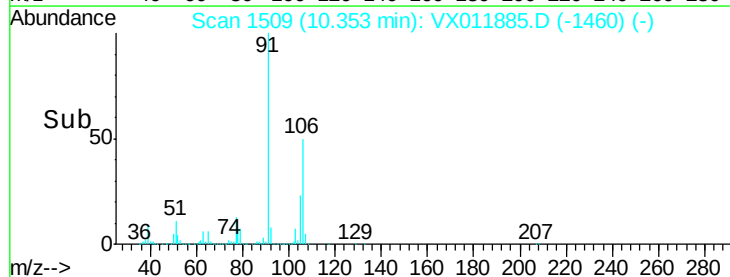
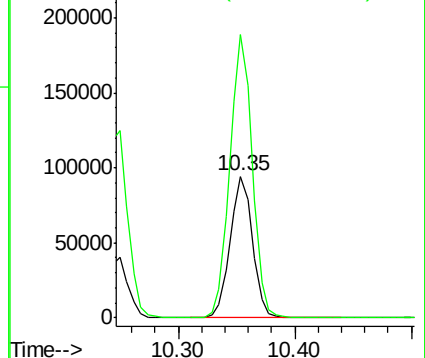
106 100

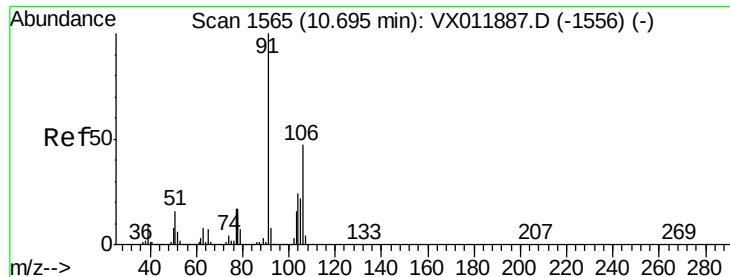
91 199.9 158.6 237.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





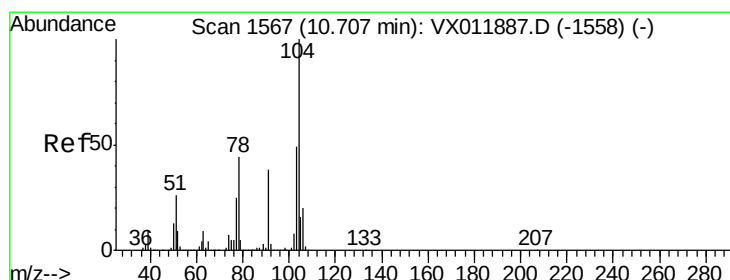
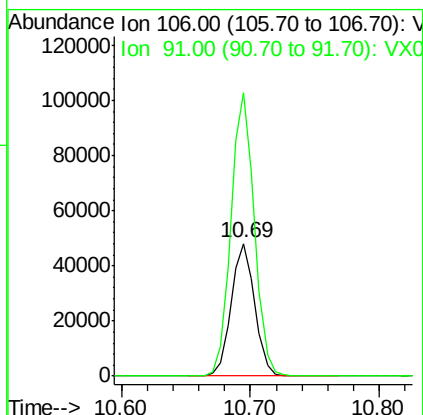
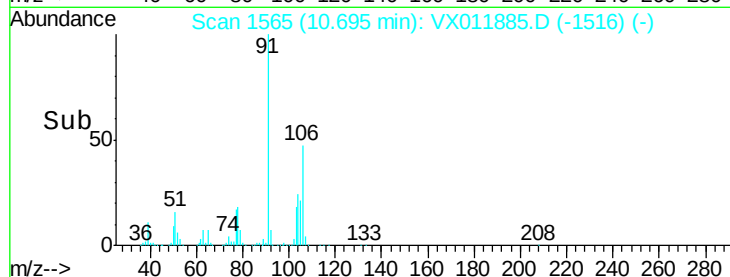
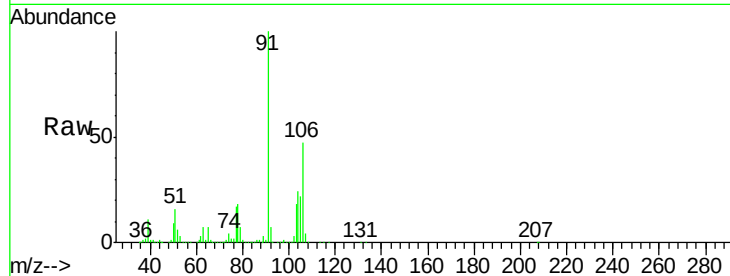
#69
o-Xylene
Concen: 10.682 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	104.8	314.6

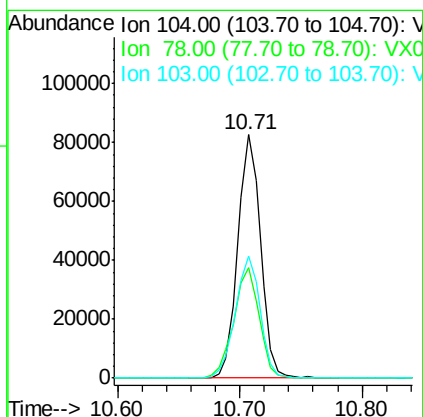
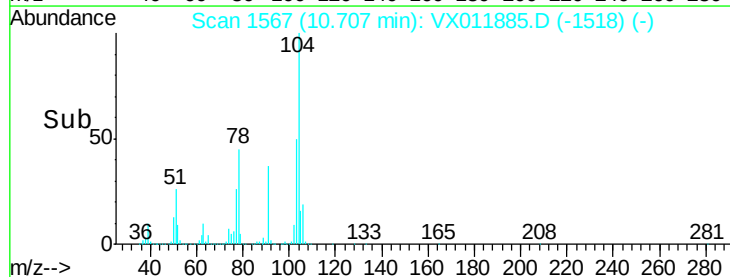
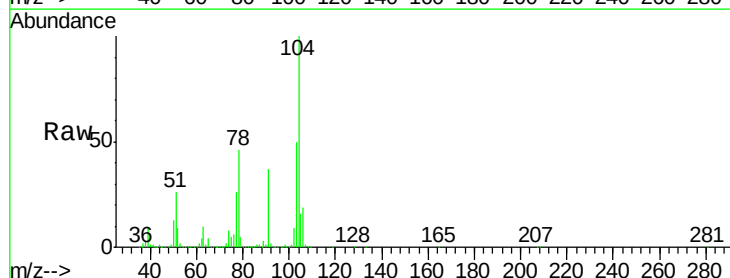
Manual Integrations
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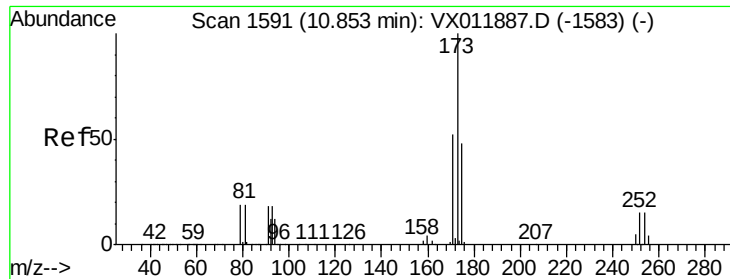
MMDadoda
9/3/2019 2:39:16 AM



#70
Styrene
Concen: 11.292 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.2	58.8
103	54.9	43.0	64.6





#71

Bromoform

Concen: 11.740 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion:173 Resp: 25964

Ion Ratio Lower Upper

173 100

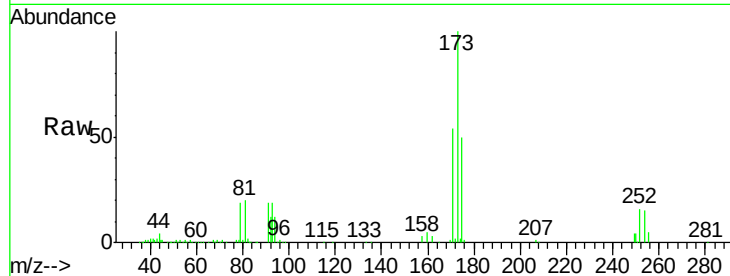
175 49.8 24.4 73.2

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

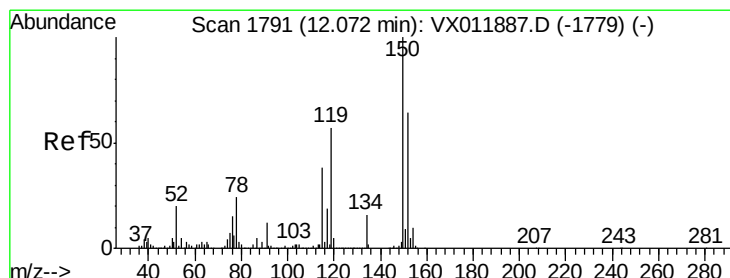
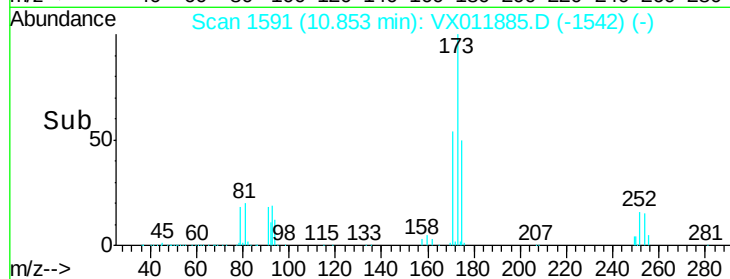
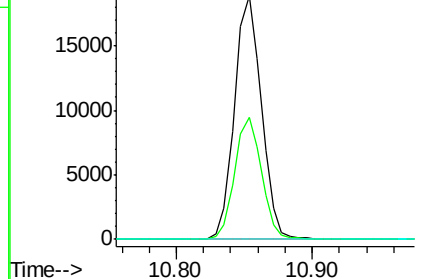
9/3/2019 2:39:16 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

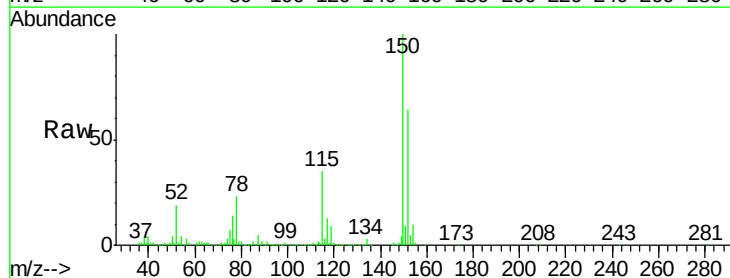
Tgt Ion:152 Resp: 276291

Ion Ratio Lower Upper

152 100

115 58.1 37.1 111.3

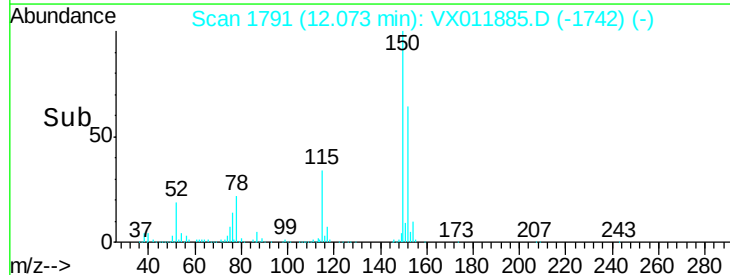
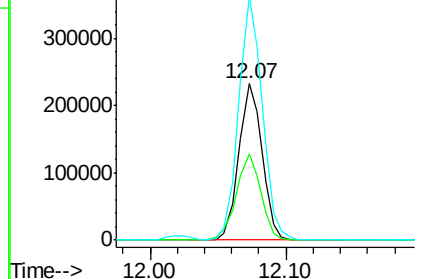
150 157.3 0.0 339.6

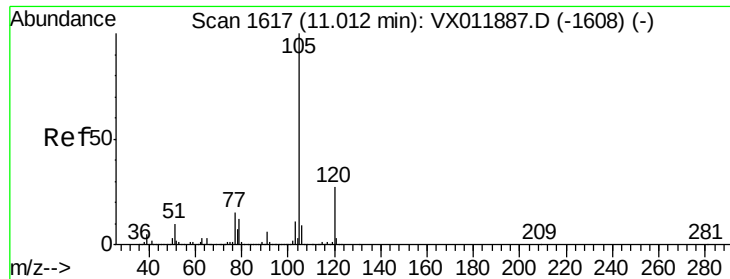


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.384 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 168166

Ion Ratio Lower Upper

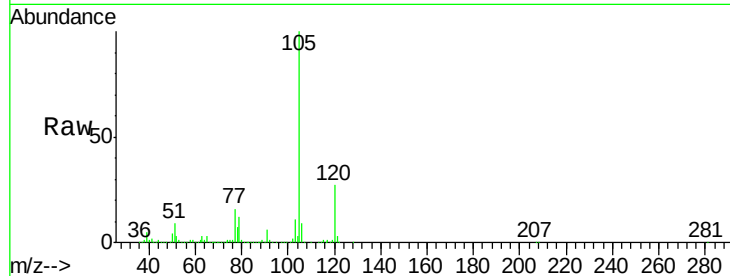
105 100

120 27.4 13.8 41.4

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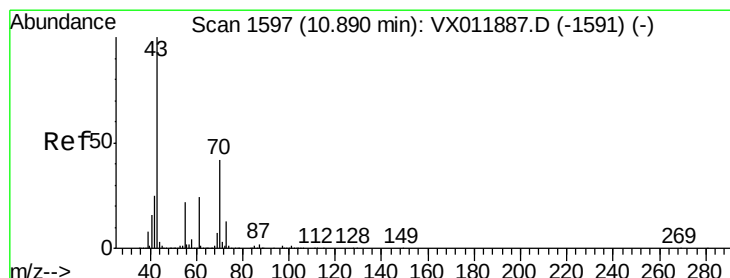
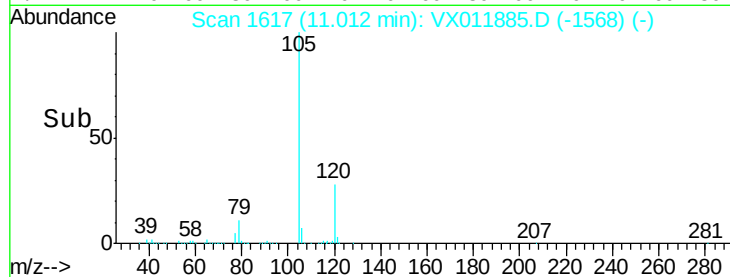
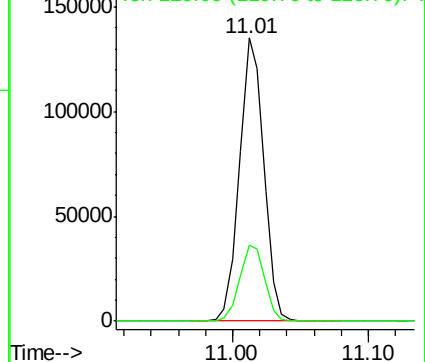
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 11.954 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Tgt Ion: 43 Resp: 47581

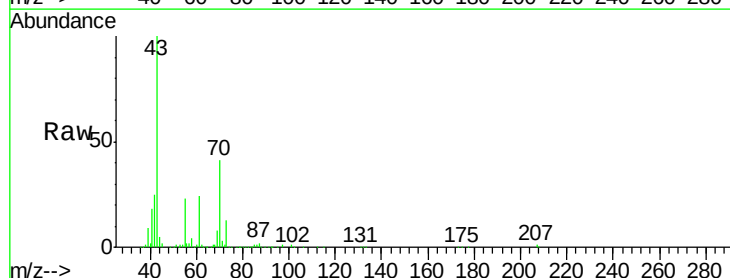
Ion Ratio Lower Upper

43 100

70 41.1 0.2 0.2#

55 23.0 0.1 0.1#

61 24.6 16.4 24.6#

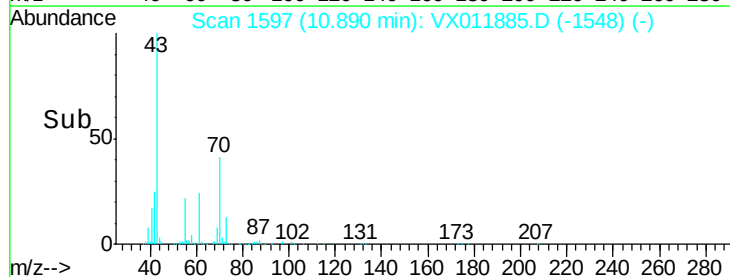
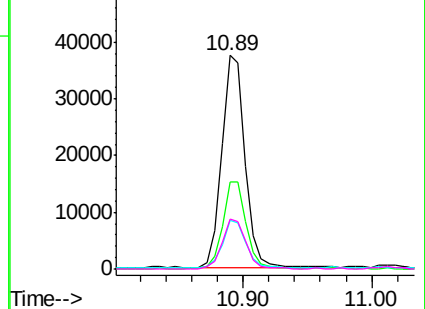


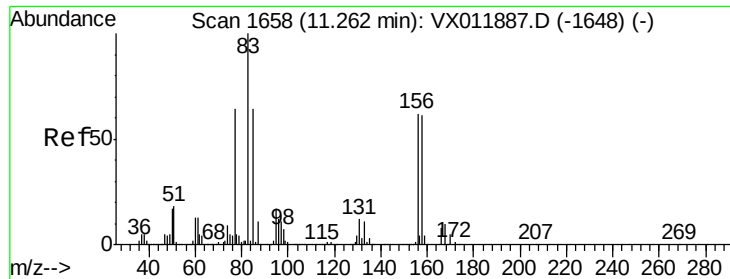
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 12.457 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 33406

Ion Ratio Lower Upper

83 100

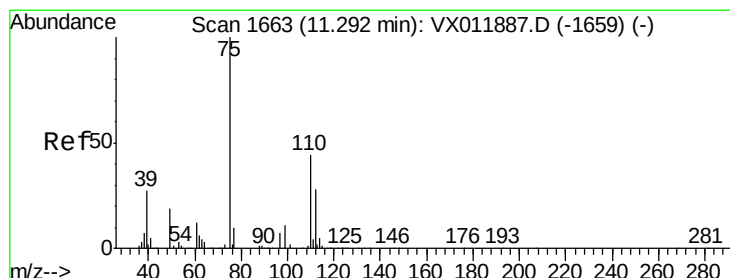
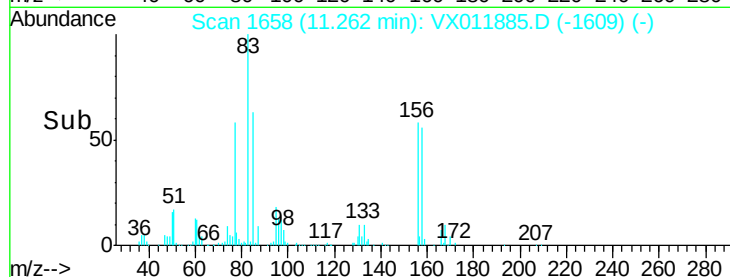
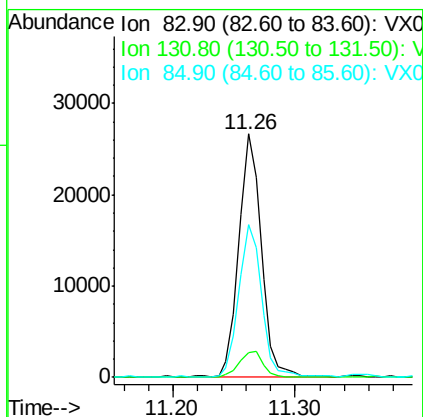
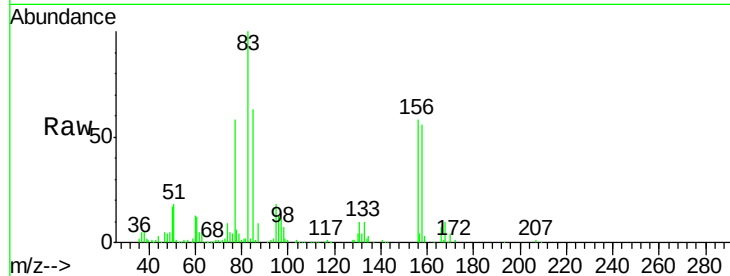
131 11.8 6.0 18.0

85 63.6 31.9 95.9

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9/3/2019 2:39:16 AM



#76

1,2,3-Trichloropropane

Concen: 13.135 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011885.D

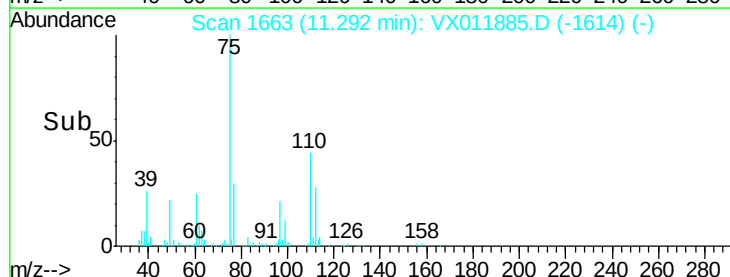
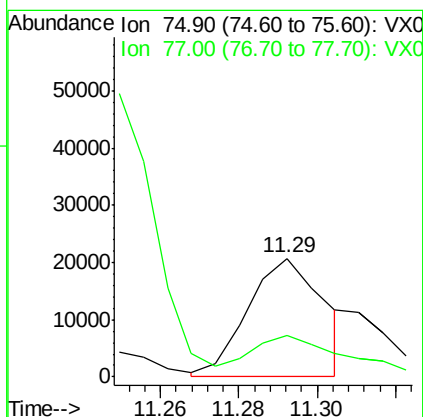
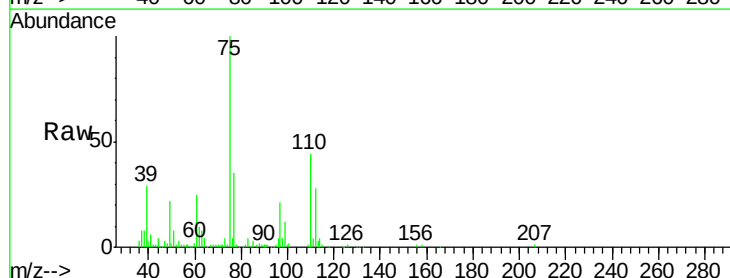
Acq: 29 Aug 2019 21:15

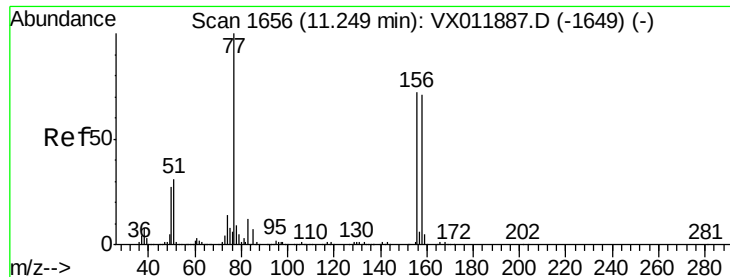
Tgt Ion: 75 Resp: 27898

Ion Ratio Lower Upper

75 100

77 43.4 20.9 62.7





#77

Bromobenzene

Concen: 10.538 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 47949

Ion Ratio Lower Upper

156 100

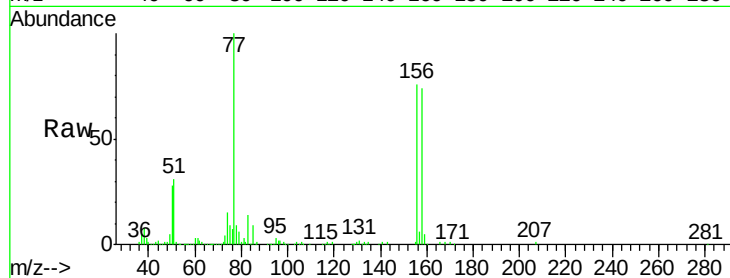
77 135.4 68.1 204.3

158 97.5 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

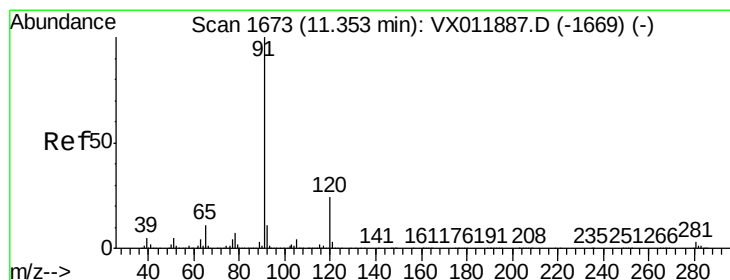
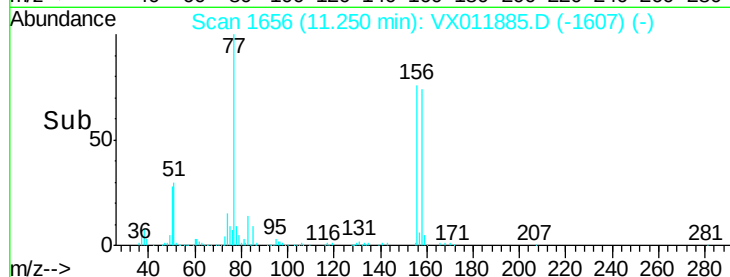
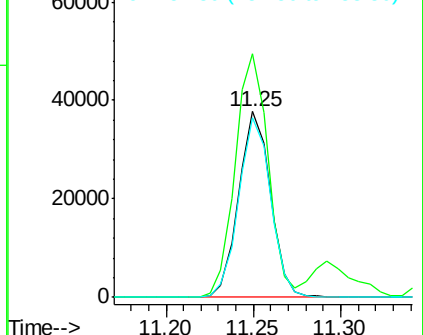
9/3/2019 2:39:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.494 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VX011885.D

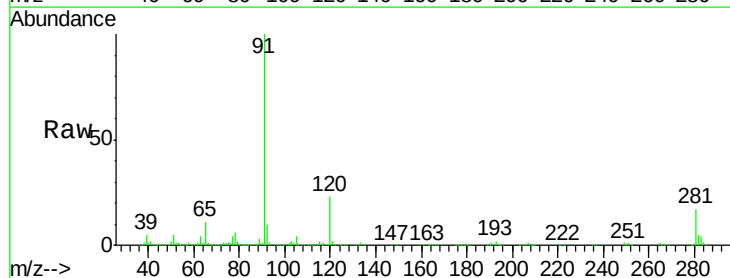
Acq: 29 Aug 2019 21:15

Tgt Ion: 91 Resp: 191522

Ion Ratio Lower Upper

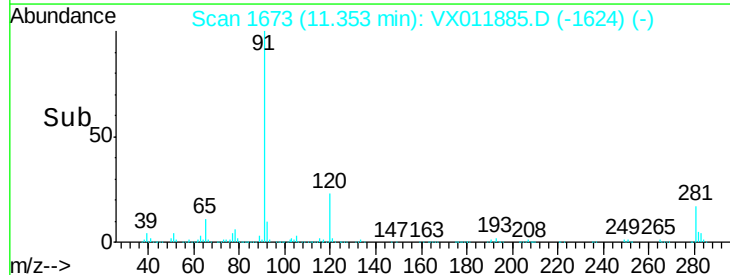
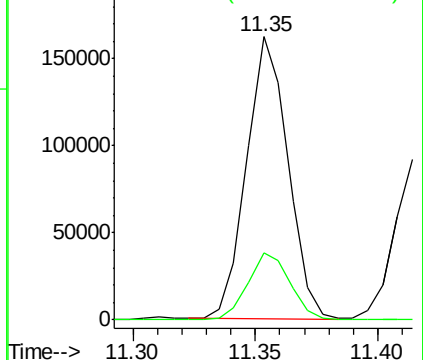
91 100

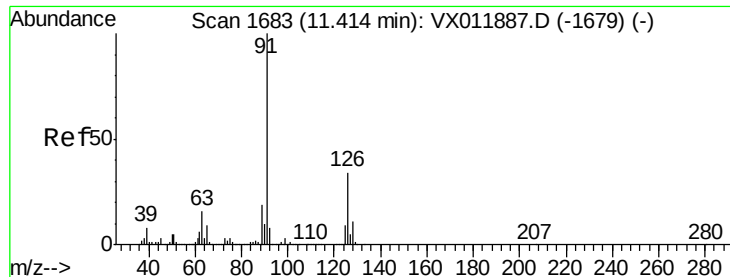
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





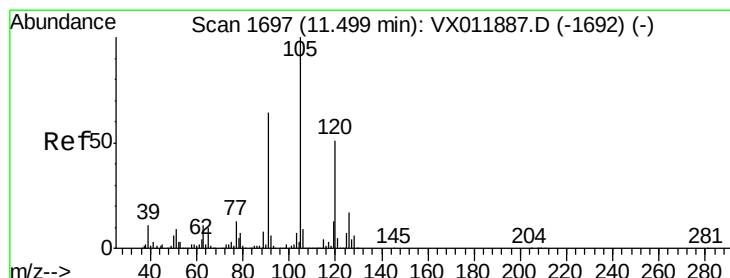
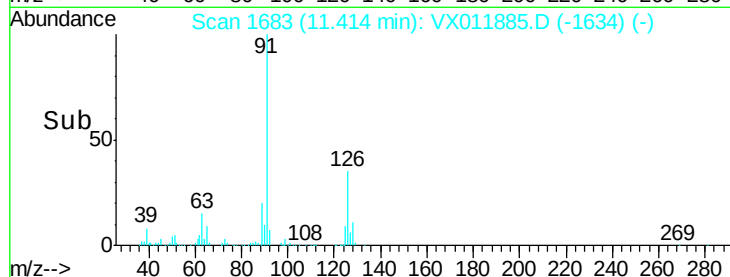
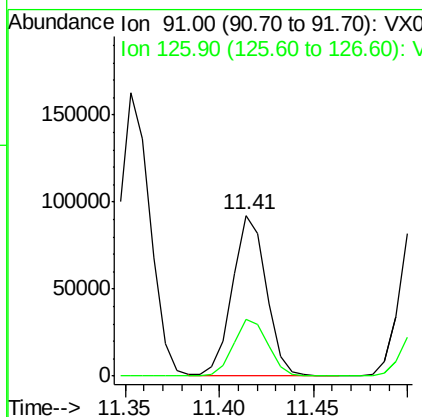
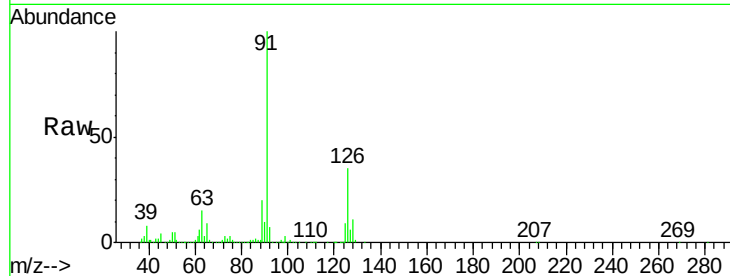
#79
 2-Chlorotoluene
 Concen: 10.353 ug/l
 RT: 11.41 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.8

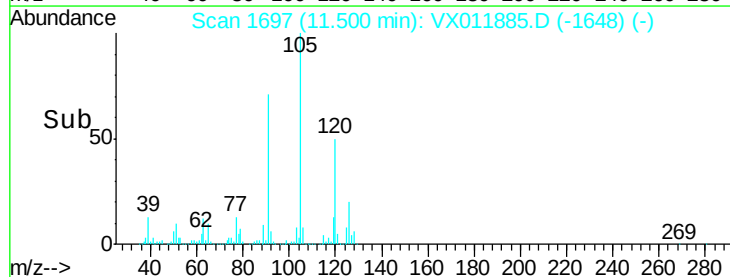
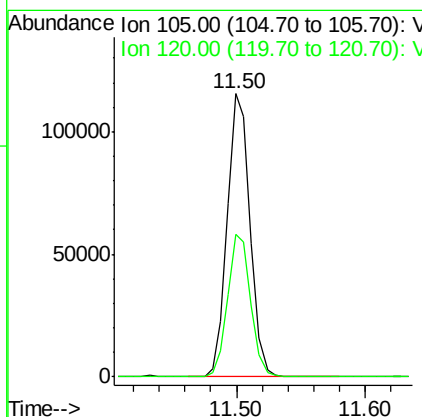
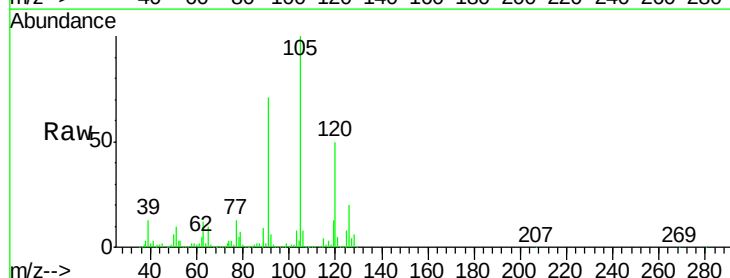
Manual Integrations
 APPROVED

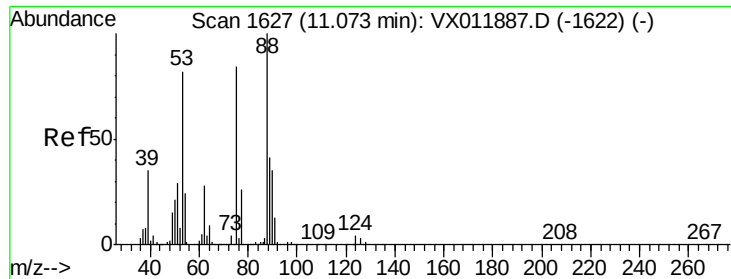
MMDadoda
 9/3/2019 2:39:16 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 10.512 ug/l
 RT: 11.50 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.8	25.3	75.9





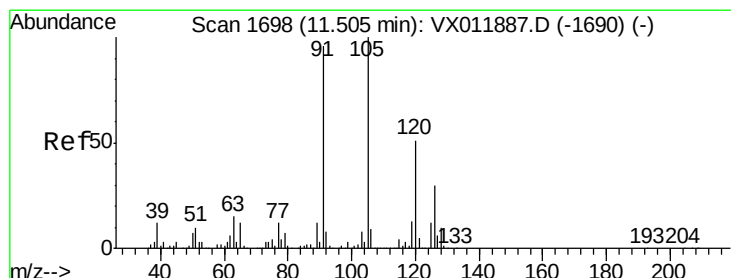
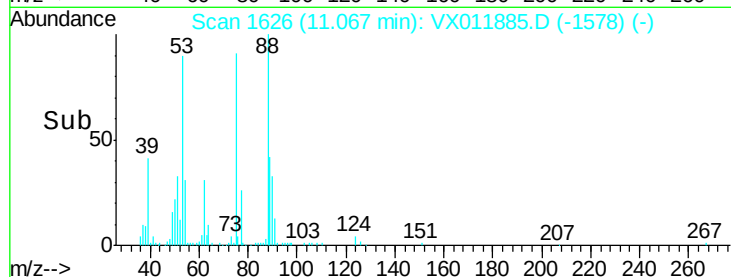
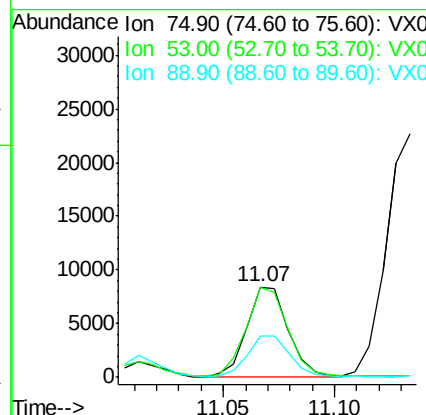
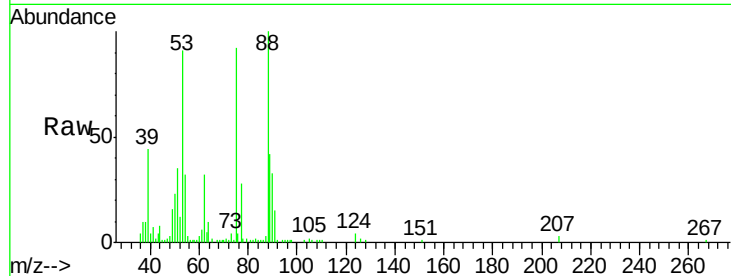
#81
trans-1,4-Dichloro-2-butene
Concen: 18.632 ug/l
RT: 11.07 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	77.1	115.7
89	48.5	38.2	57.2

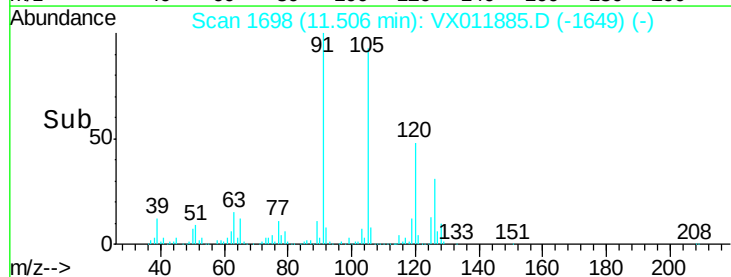
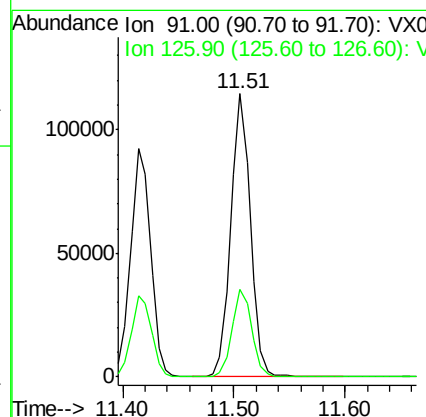
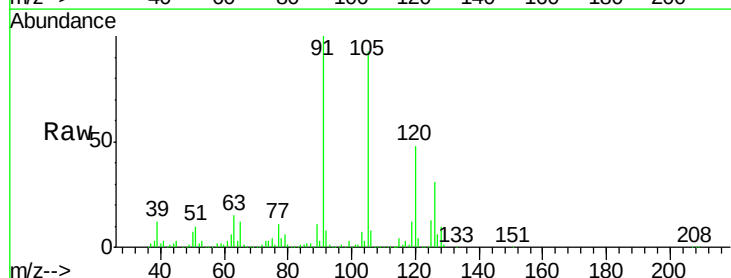
Manual Integrations
APPROVED

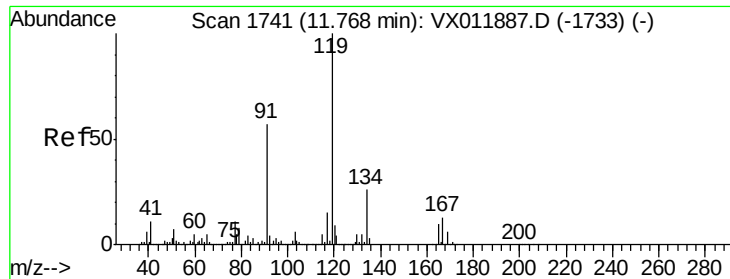
MMDadoda
9/3/2019 2:39:16 AM



#82
4-Chlorotoluene
Concen: 10.584 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.9	47.6





#83

tert-Butylbenzene

Concen: 11.035 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

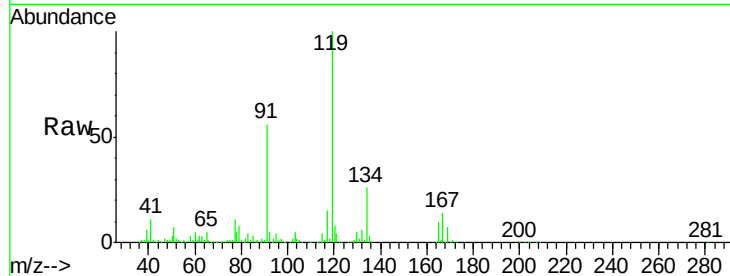
ClientSampled :

VSTDIC010

Tot Ion:	119	Resp:	146130
Ion Ratio	Lower	Upper	
119	100		
91	55.7	27.9	83.6
134	24.6	12.3	36.8

Manual Integrations
APPROVED

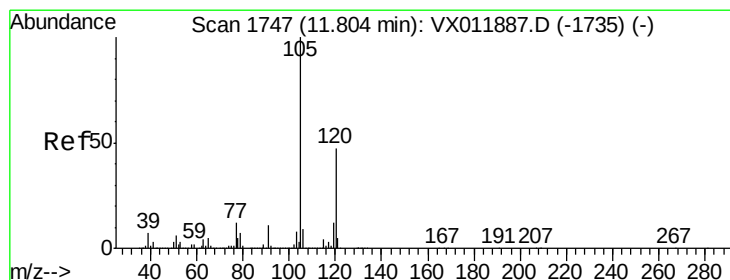
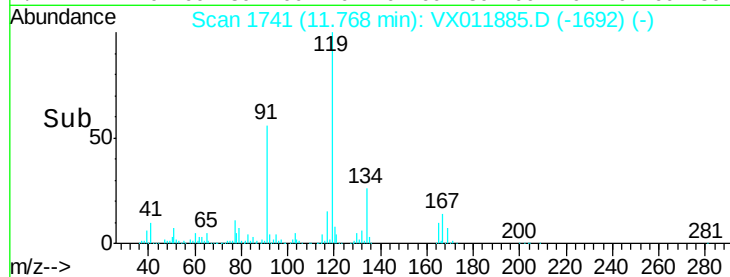
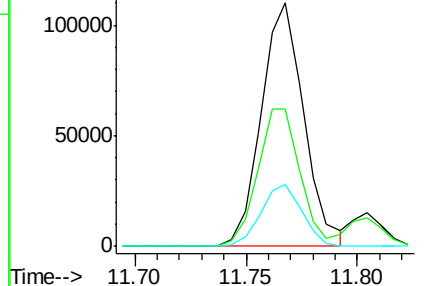
MMDadoda
9/3/2019 2:39:16 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.803 ug/l

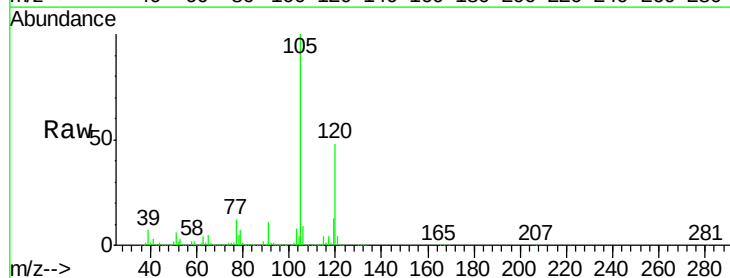
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011885.D

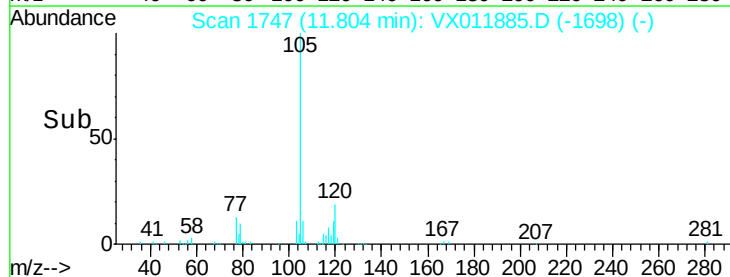
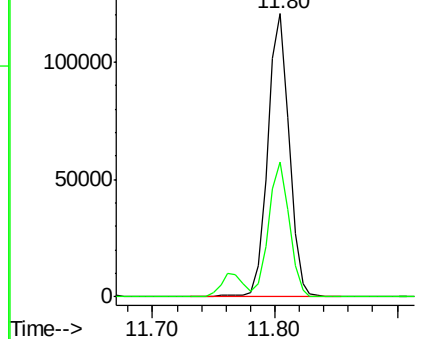
Acq: 29 Aug 2019 21:15

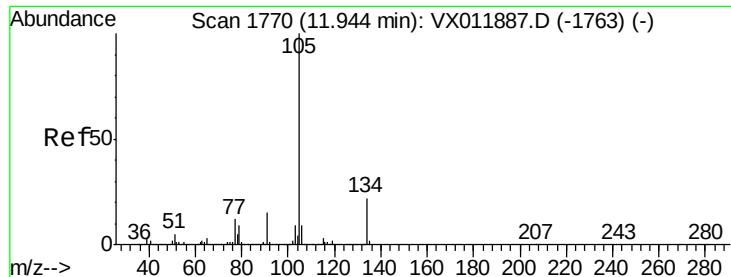
Tgt Ion:	105	Resp:	146874
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.802 ug/l

RT: 11.94 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 172036

Ion Ratio Lower Upper

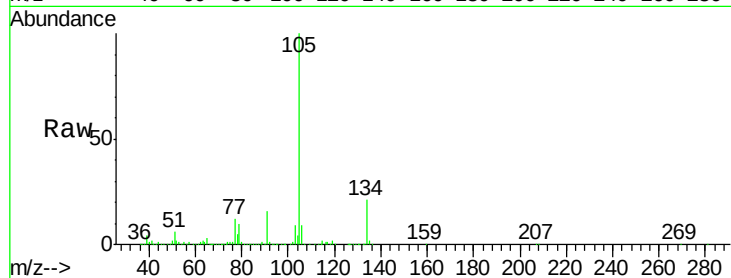
105 100

134 21.7 10.9 32.7

Manual Integrations
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9/3/2019 2:39:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

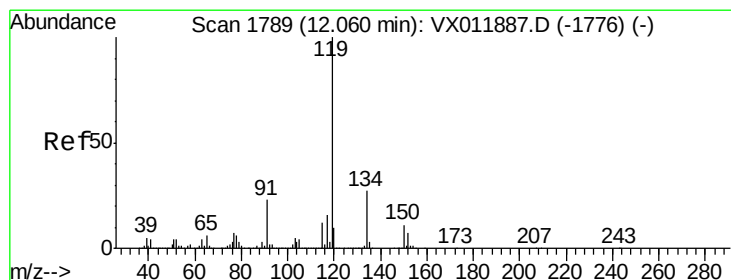
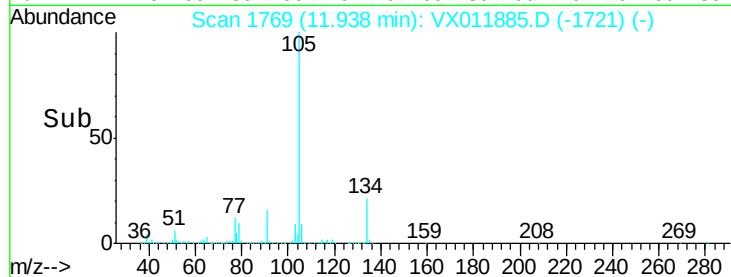
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 11.099 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011885.D

Acq: 29 Aug 2019 21:15

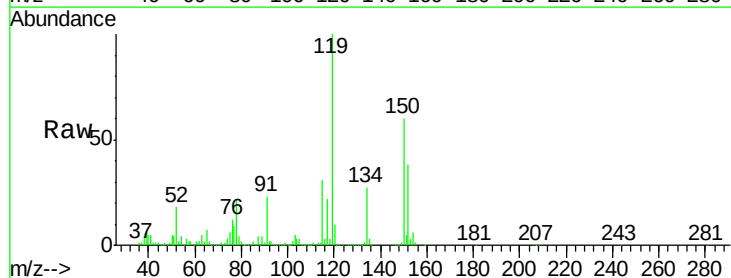
Tgt Ion:119 Resp: 164887

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 23.4 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

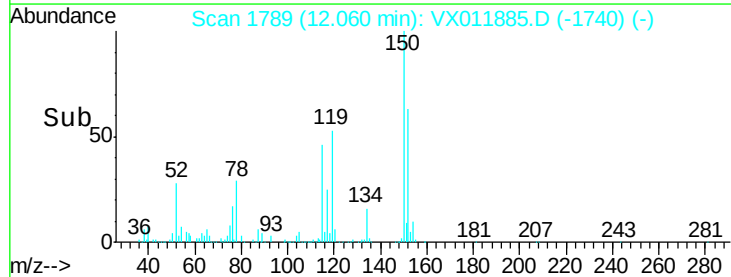
150000

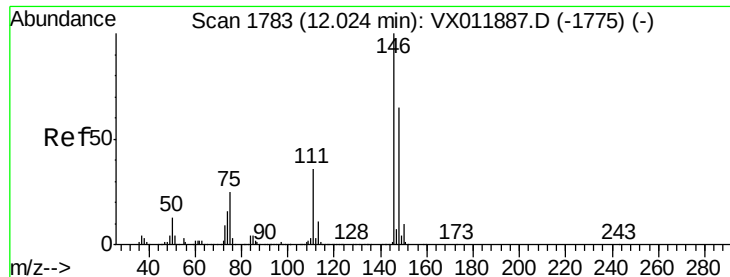
100000

50000

0

Time-->





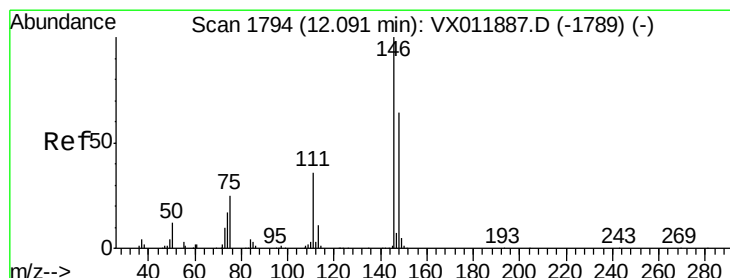
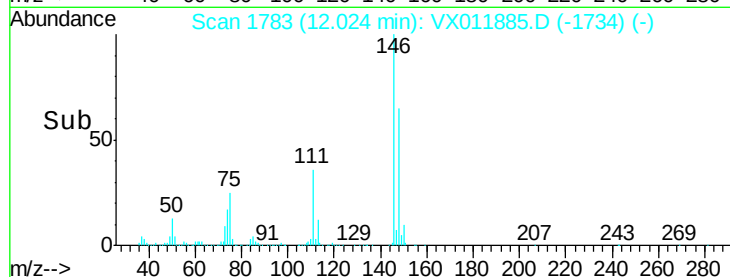
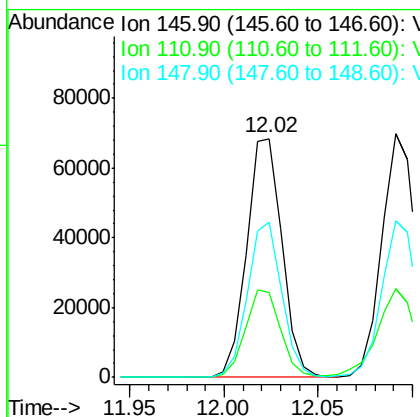
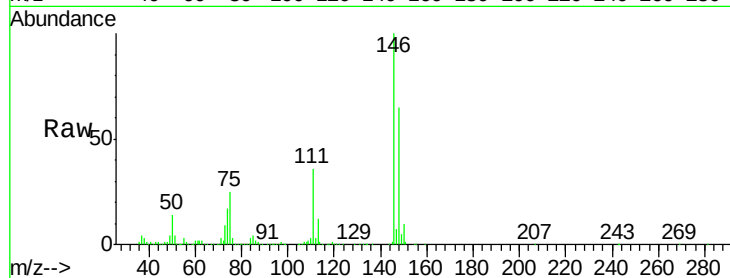
#87
 1,3-Dichlorobenzene
 Concen: 10.535 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.4	55.2
148	63.0	32.1	96.5

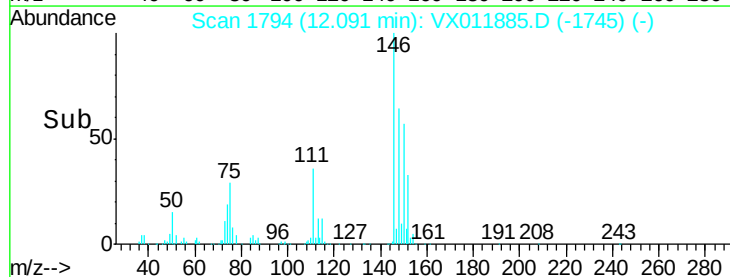
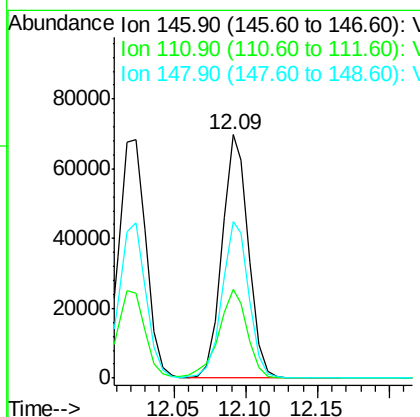
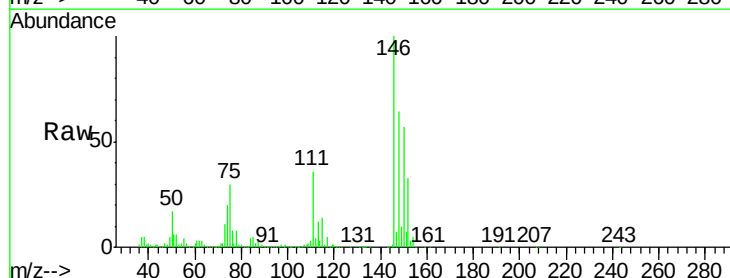
Manual Integrations
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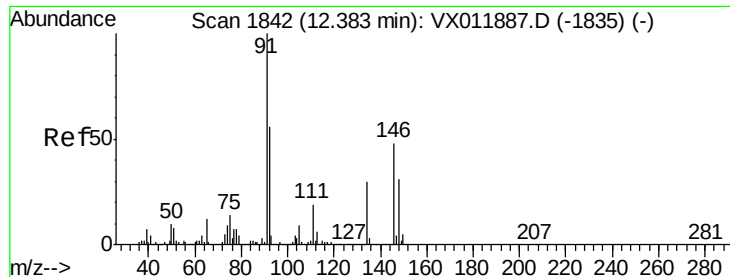
MMDadoda
 9/3/2019 2:39:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 10.586 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	17.9	53.7
148	65.9	32.4	97.0





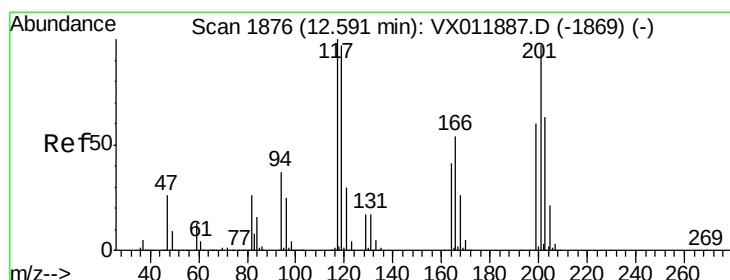
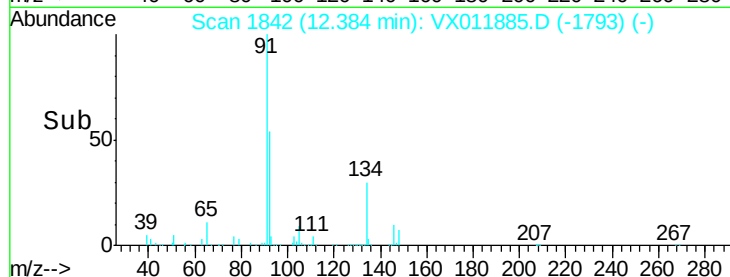
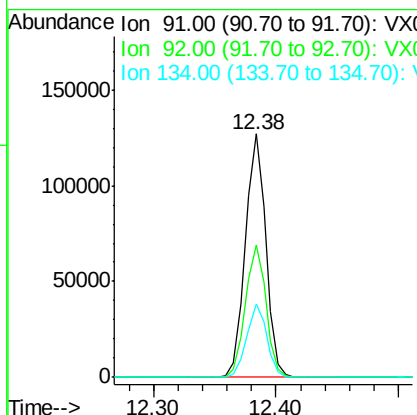
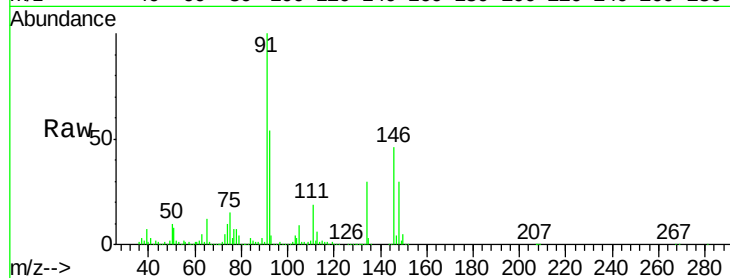
#89
n-Butylbenzene
Concen: 11.213 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.8
134	30.0	14.8	44.3

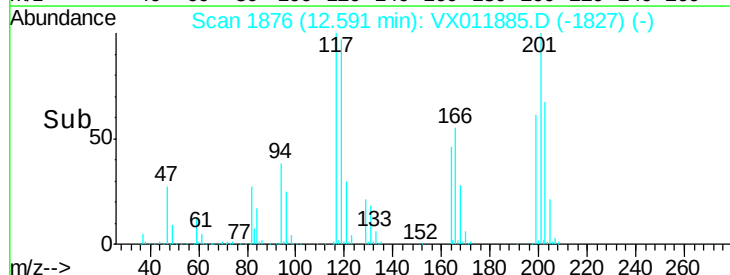
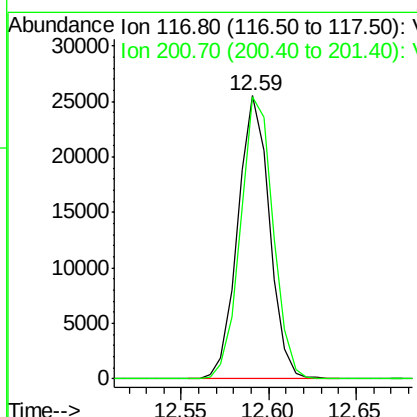
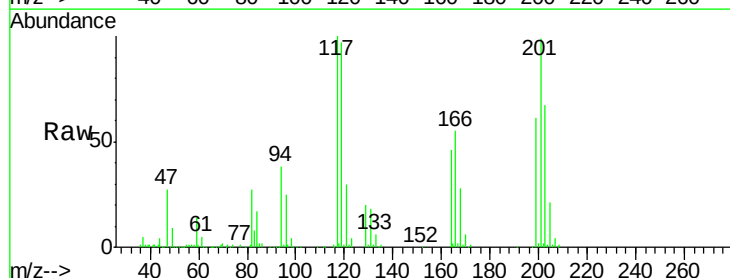
Manual Integrations
APPROVED

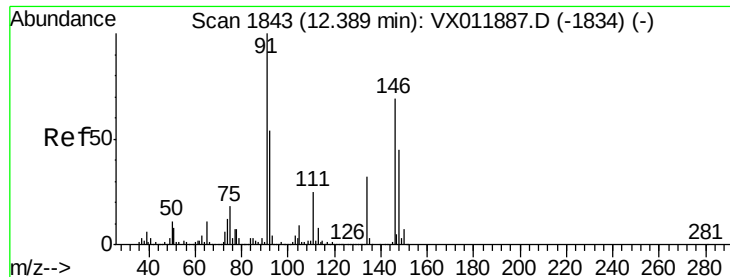
MMDadoda
9/3/2019 2:39:16 AM



#90
Hexachloroethane
Concen: 15.710 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.1	52.8	158.5





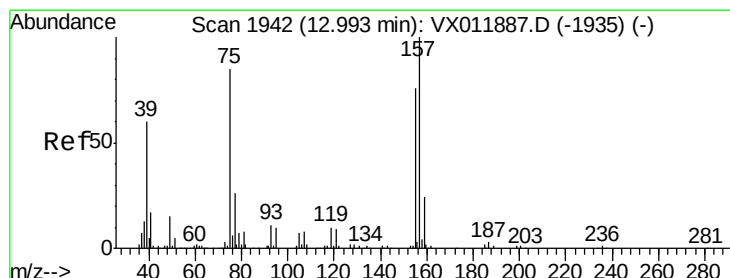
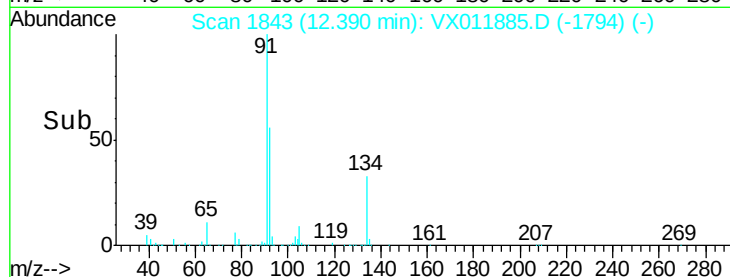
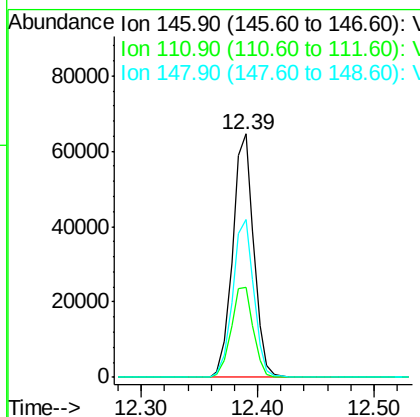
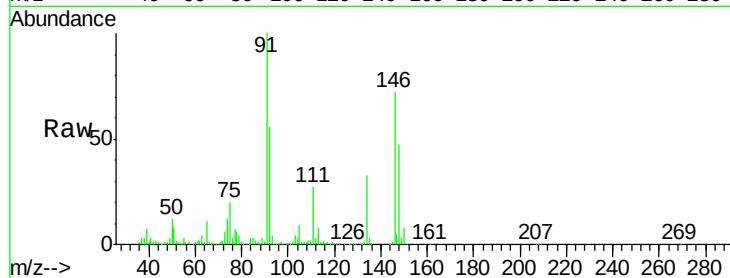
#91
 1,2-Dichlorobenzene
 Concen: 10.579 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.9	32.1	96.3

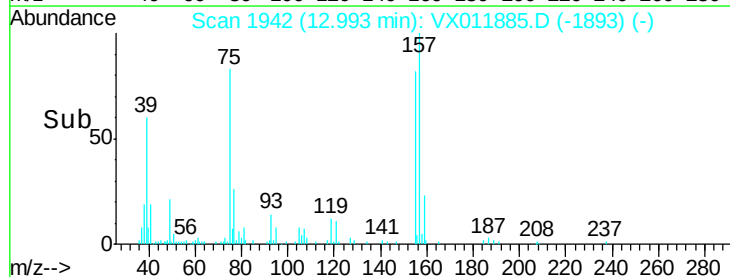
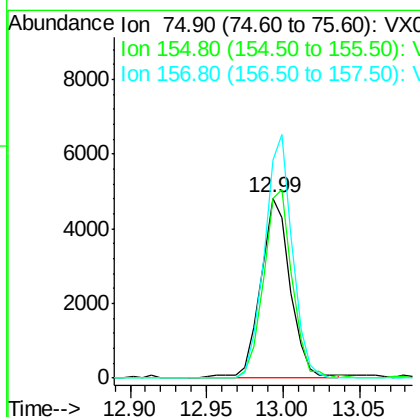
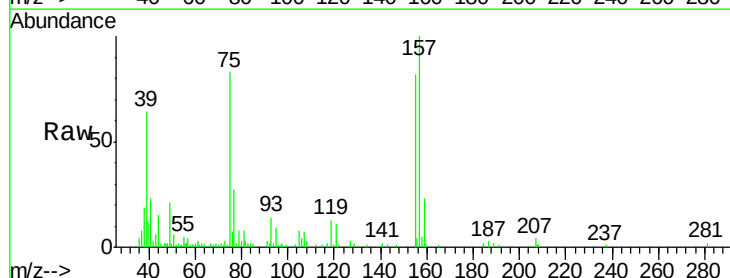
Manual Integrations
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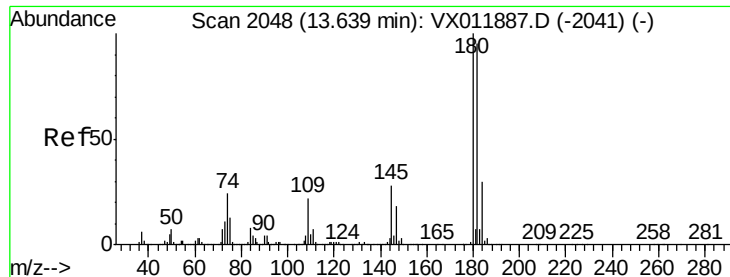
MMDadoda
 9/3/2019 2:39:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.560 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	50.1	150.4
157	125.4	63.9	191.7





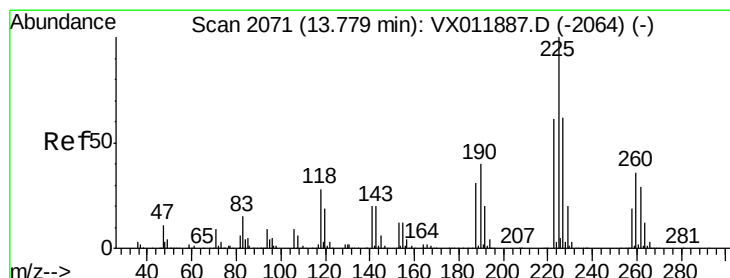
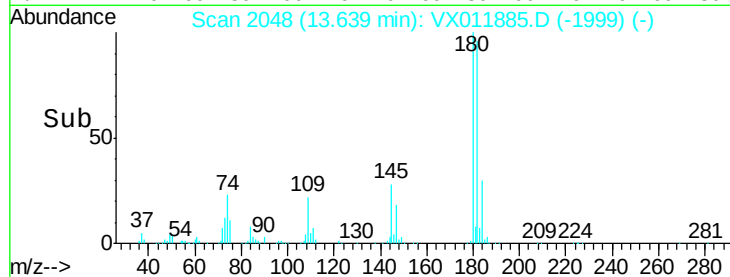
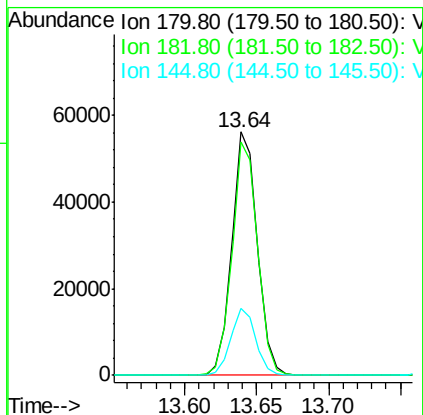
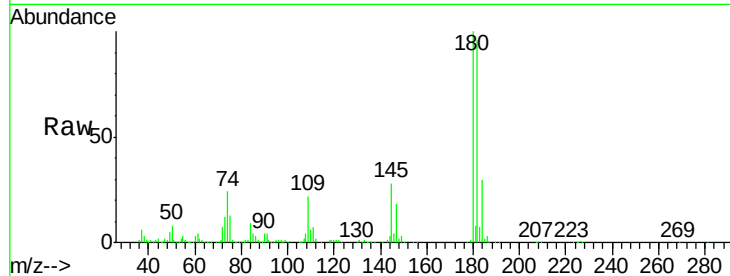
#93
 1,2,4-Trichlorobenzene
 Concen: 11.331 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69993		
182	95.9	48.1	144.4	
145	27.1	13.8	41.3	

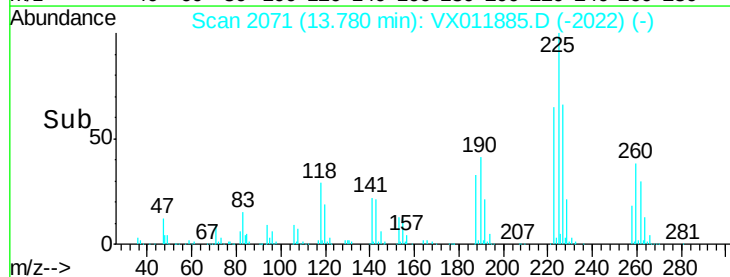
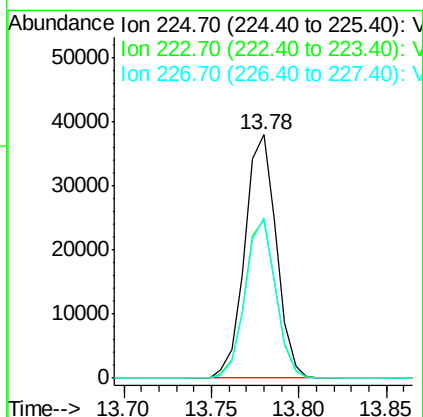
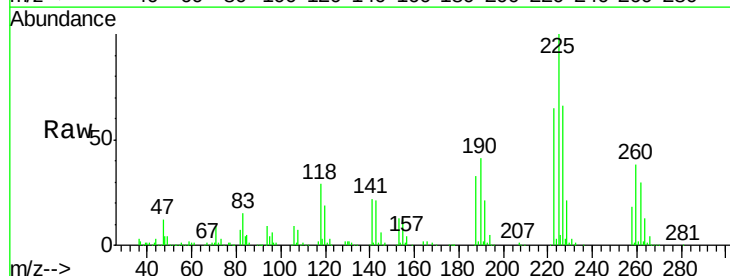
Manual Integrations
 APPROVED

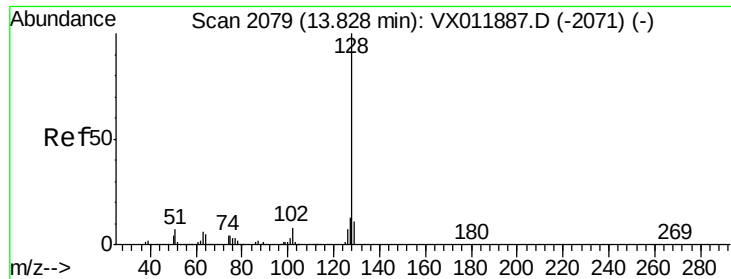
MMDadoda
 9/3/2019 2:39:16 AM



#94
 Hexachlorobutadiene
 Concen: 11.662 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011885.D
 Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47463		
223	63.5	30.8	92.3	
227	63.1	31.9	95.7	





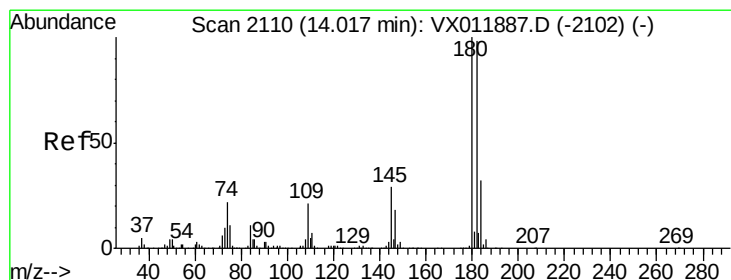
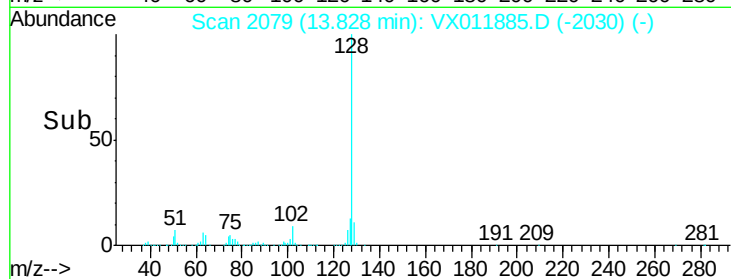
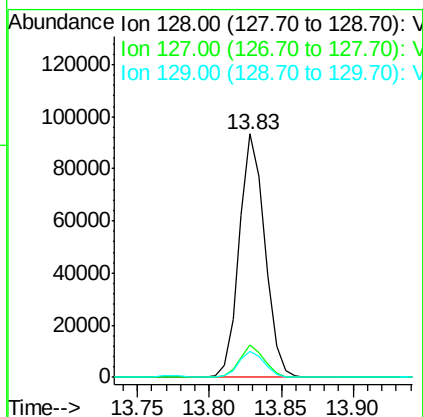
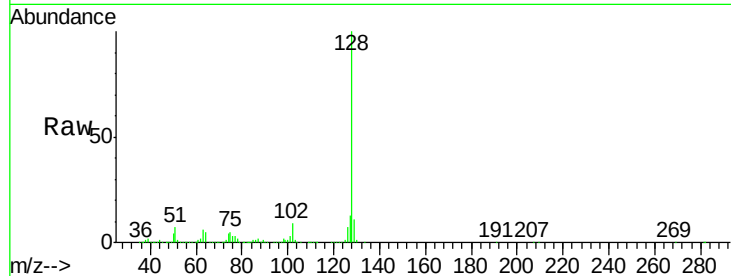
#95
Naphthalene
Concen: 12.609 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	115382		
127	13.0		10.4	15.6
129	11.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:39:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 11.660 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011885.D
Acq: 29 Aug 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62967		
182	96.6		48.3	144.8
145	29.1		14.6	43.8

