

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011985.D
 Acq On : 01 Sep 2019 08:12
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:55 PM

Quant Time: Sep 02 01:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	265271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	408696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	406308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	243061	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	156471	61.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.12%	
35) Dibromofluoromethane	5.48	113	143086	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
50) Toluene-d8	8.71	98	490172	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.13	95	212787	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	61946	38.691	ug/l	98
3) Chloromethane	1.31	50	83740	45.118	ug/l	98
4) Vinyl Chloride	1.39	62	76410	43.114	ug/l	99
5) Bromomethane	1.62	94	71381	58.210	ug/l	99
6) Chloroethane	1.71	64	57483	52.114	ug/l	99
7) Trichlorofluoromethane	1.92	101	136494	44.346	ug/l	99
8) Diethyl Ether	2.17	74	63843	60.355	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89295	44.513	ug/l	98
10) Methyl Iodide	2.50	142	84430	39.391	ug/l	99
11) Tert butyl alcohol	3.03	59	73663	301.262	ug/l	99
12) 1,1-Dichloroethene	2.36	96	89065	47.804	ug/l	98
13) Acrolein	2.28	56	8765	72.021	ug/l	99
14) Allyl chloride	2.72	41	178733	51.141	ug/l	98
15) Acrylonitrile	3.12	53	178340	306.939	ug/l	99
16) Acetone	2.43	43	147442	269.627	ug/l	100
17) Carbon Disulfide	2.56	76	232628	43.530	ug/l	99
18) Methyl Acetate	2.76	43	101856	67.288	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	379125	62.812	ug/l	98
20) Methylene Chloride	2.84	84	138735	60.489	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	117890	53.717	ug/l	97
22) Diisopropyl ether	3.84	45	429451	60.191	ug/l	98
23) Vinyl Acetate	3.80	43	1239993	270.317	ug/l	100
24) 1,1-Dichloroethane	3.68	63	227443	57.807	ug/l	99
25) 2-Butanone	4.65	43	235307	295.446	ug/l	100
26) 2,2-Dichloropropane	4.57	77	134074	40.629	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	156666	60.603	ug/l	96
28) Bromochloromethane	5.00	49	105330	59.661	ug/l	96
29) Tetrahydrofuran	5.11	42	152031	305.827	ug/l	100
30) Chloroform	5.20	83	257720	61.261	ug/l	97
31) Cyclohexane	5.56	56	124852	39.342	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	204418	54.702	ug/l	100
36) 1,1-Dichloropropene	5.79	75	145208	44.847	ug/l	99
37) Ethyl Acetate	4.81	43	103550	54.028	ug/l	99
38) Carbon Tetrachloride	5.77	117	178044	47.413	ug/l	98

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Quant Time: Sep 02 01:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	140863	36.525	ug/l	96
40) Benzene	6.13	78	501980	51.939	ug/l	99
41) Methacrylonitrile	5.03	41	63478	56.250	ug/l	99
42) 1,2-Dichloroethane	6.18	62	191254	58.190	ug/l	100
43) Isopropyl Acetate	6.43	43	215348	55.419	ug/l	99
44) Trichloroethene	7.20	130	157843	52.784	ug/l	97
45) 1,2-Dichloropropane	7.51	63	138551	54.805	ug/l	99
46) Dibromomethane	7.65	93	86729	57.805	ug/l	96
47) Bromodichloromethane	7.89	83	213164	57.295	ug/l	99
48) Methyl methacrylate	7.76	41	105505	55.802	ug/l	98
49) 1,4-Dioxane	7.73	88	30310	1165.787	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	547012	277.103	ug/l	100
52) Toluene	8.78	92	339747	53.135	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	198872	52.184	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	220674	51.583	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	127331	57.970	ug/l	99
56) Ethyl methacrylate	9.17	69	171402	56.225	ug/l	98
57) 1,3-Dichloropropane	9.37	76	207716	56.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	392299	270.185	ug/l	97
59) 2-Hexanone	9.48	43	383785	273.695	ug/l	100
60) Dibromochloromethane	9.57	129	175264	59.410	ug/l	100
61) 1,2-Dibromoethane	9.67	107	126850	58.249	ug/l	99
64) Tetrachloroethene	9.33	164	196019	59.975	ug/l	97
65) Chlorobenzene	10.14	112	416161	52.855	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	177858	55.860	ug/l	99
67) Ethyl Benzene	10.25	91	669233	49.968	ug/l	99
68) m/p-Xylenes	10.36	106	519849	100.521	ug/l	100
69) o-Xylene	10.70	106	265906	52.764	ug/l	99
70) Styrene	10.71	104	477704	53.779	ug/l	100
71) Bromoform	10.85	173	127428	56.599	ug/l #	100
73) Isopropylbenzene	11.01	105	675387	48.360	ug/l	100
74) N-amyl acetate	10.89	43	178413	43.048	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	148975	52.122	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	127976m	53.524	ug/l	
77) Bromobenzene	11.25	156	219332	54.151	ug/l	97
78) n-propylbenzene	11.35	91	746278	47.123	ug/l	99
79) 2-Chlorotoluene	11.42	91	480511	50.408	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	593884	49.266	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	38733	40.696	ug/l	96
82) 4-Chlorotoluene	11.51	91	578212	50.280	ug/l	100
83) tert-Butylbenzene	11.76	119	578056	47.259	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	616313	49.888	ug/l	100
85) sec-Butylbenzene	11.94	105	658135	46.324	ug/l	99
86) p-Isopropyltoluene	12.06	119	610932	44.347	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	399405	53.058	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	398623	52.382	ug/l	99
89) n-Butylbenzene	12.39	91	534306	43.838	ug/l	99
90) Hexachloroethane	12.59	117	133649	50.146	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	379545	54.231	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	30337	53.284	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	304865	51.733	ug/l	100
94) Hexachlorobutadiene	13.78	225	181006	45.992	ug/l	99
95) Naphthalene	13.83	128	545045	53.891	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	288966	54.225	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 265271

Ion Ratio Lower Upper

168 100

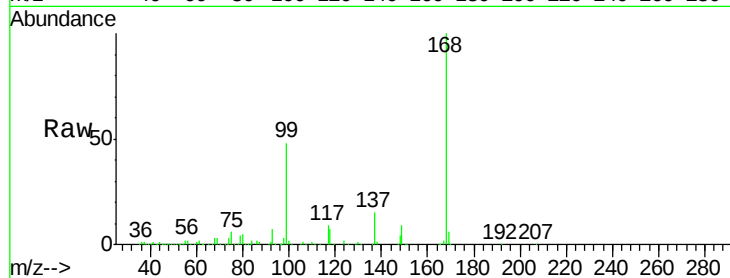
99 48.0 38.4 57.6

Manual Integrations

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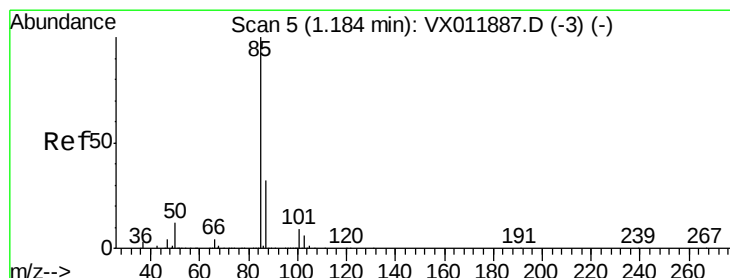
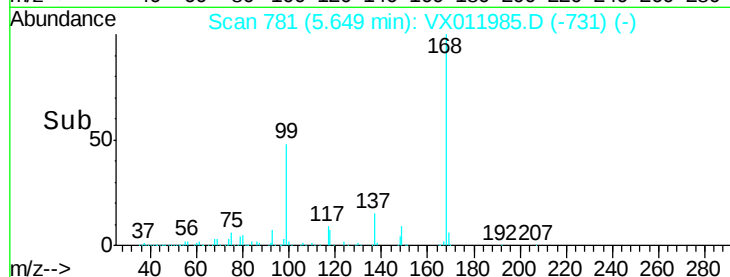
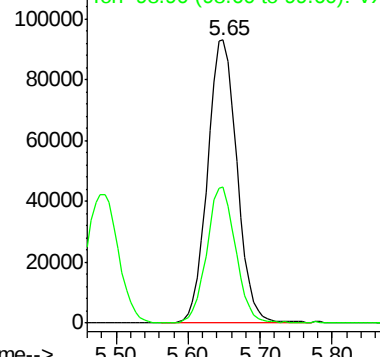
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 38.691 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011985.D

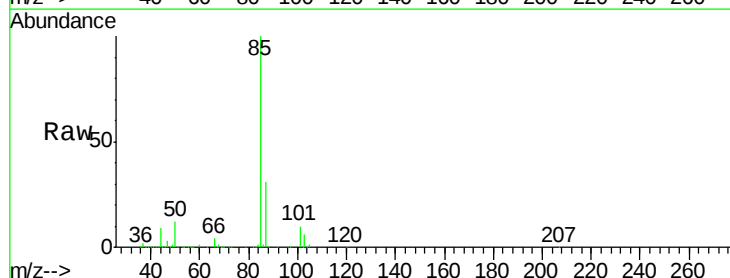
Acq: 01 Sep 2019 08:12

Tgt Ion: 85 Resp: 61946

Ion Ratio Lower Upper

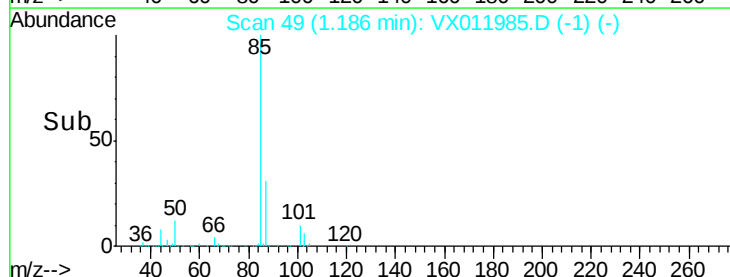
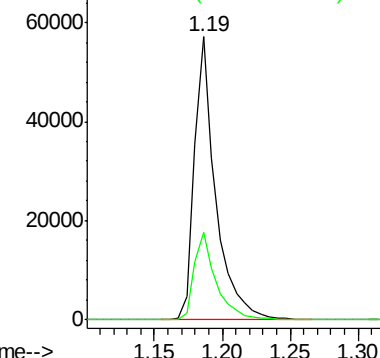
85 100

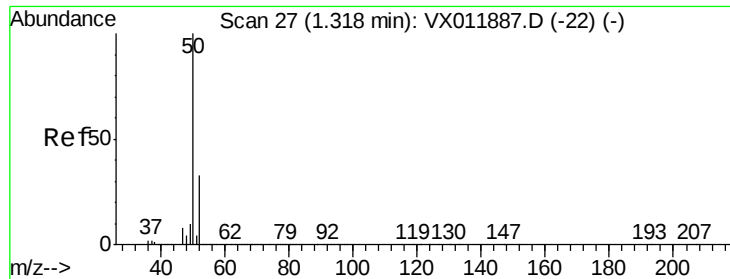
87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.118 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83740

Ion Ratio Lower Upper

50 100

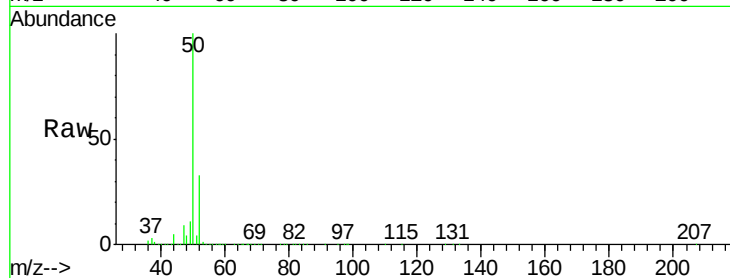
52 33.4 26.0 39.0

Manual Integrations

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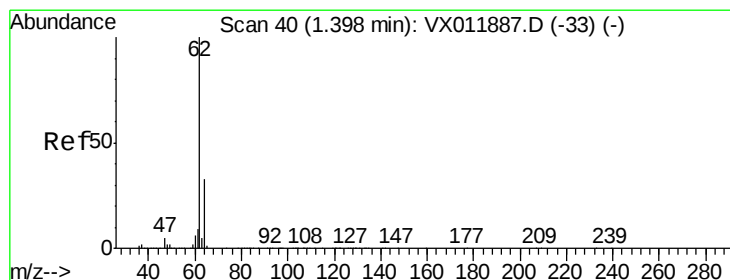
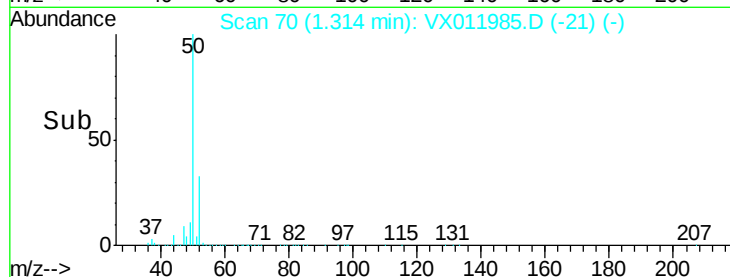
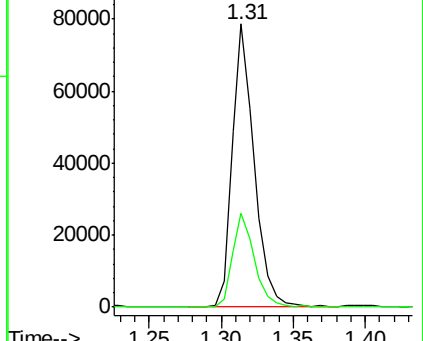
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.114 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011985.D

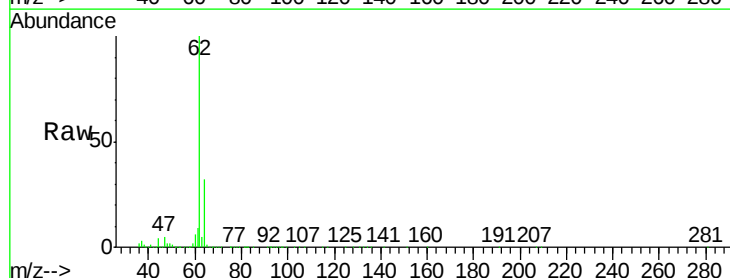
Acq: 01 Sep 2019 08:12

Tgt Ion: 62 Resp: 76410

Ion Ratio Lower Upper

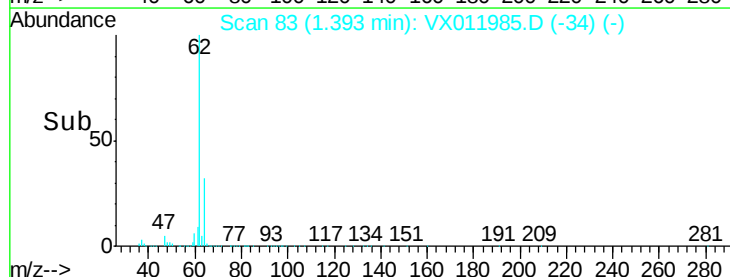
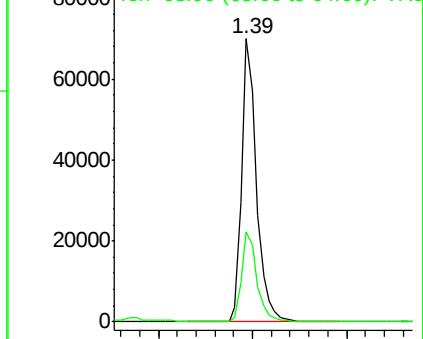
62 100

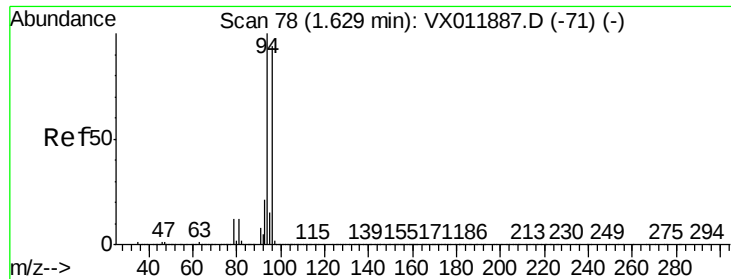
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 58.210 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71381

Ion Ratio Lower Upper

94 100

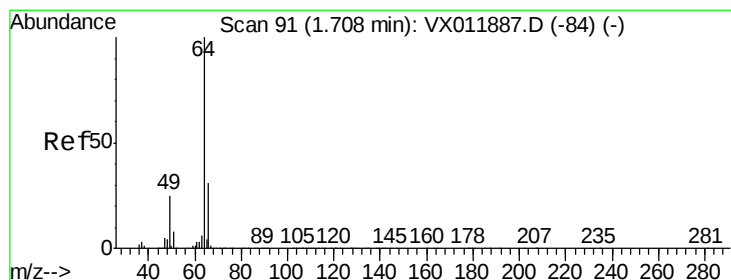
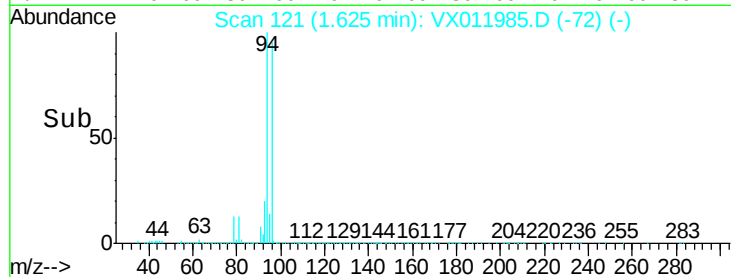
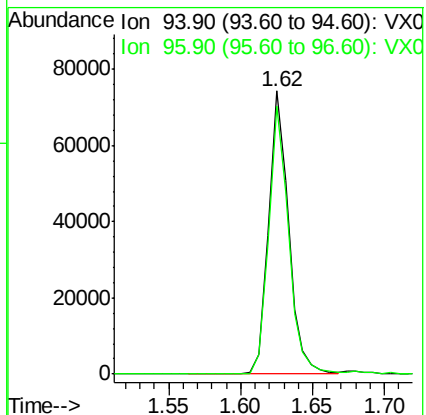
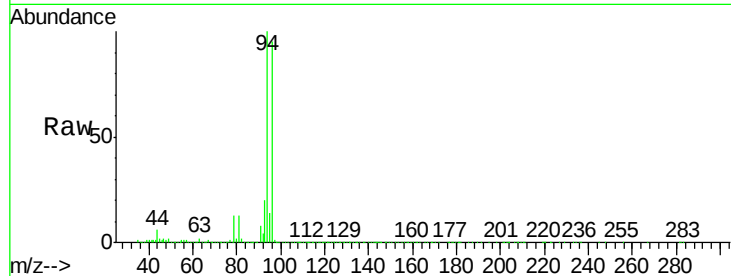
96 94.7 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 52.114 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011985.D

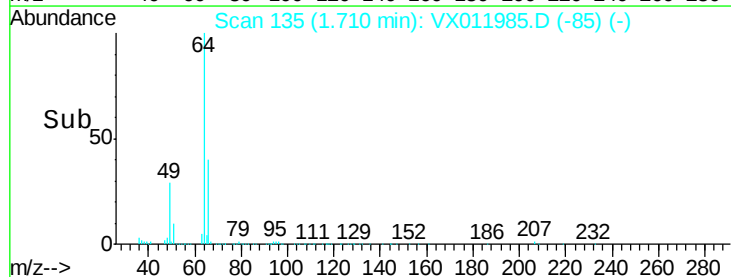
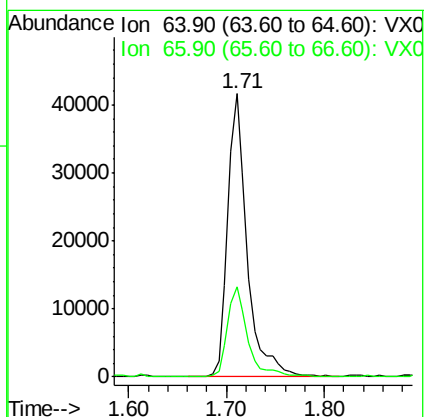
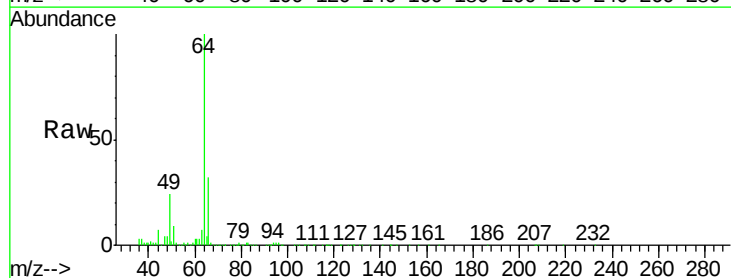
Acq: 01 Sep 2019 08:12

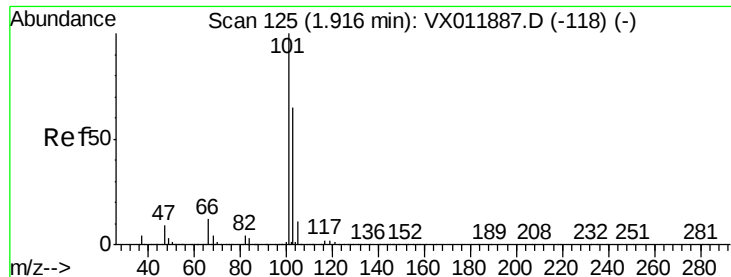
Tgt Ion: 64 Resp: 57483

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.4





#7

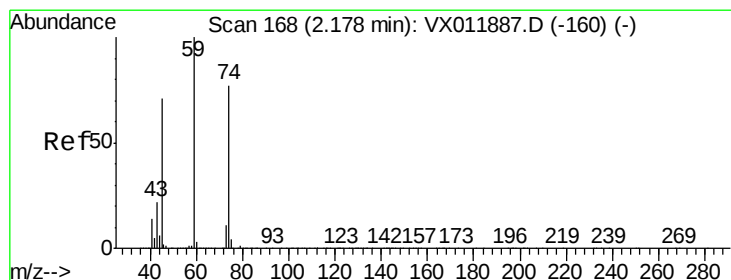
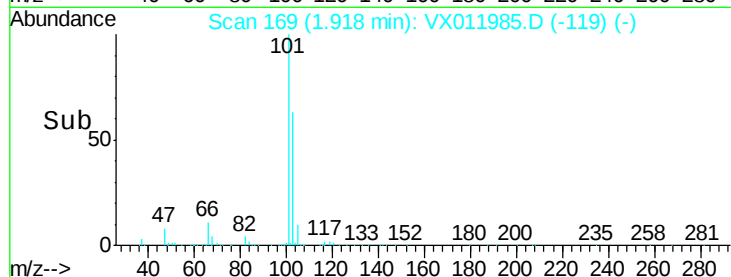
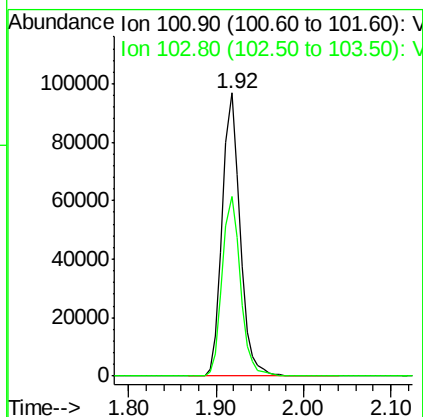
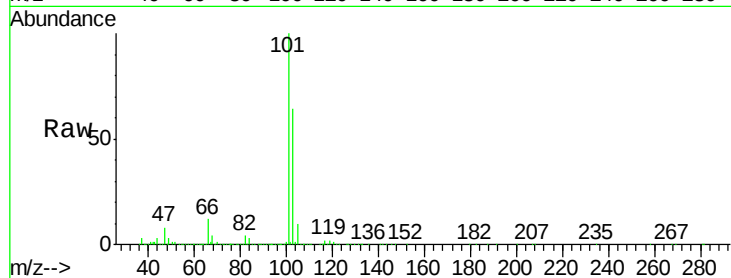
Trichlorofluoromethane
Concen: 44.346 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.6	77.4

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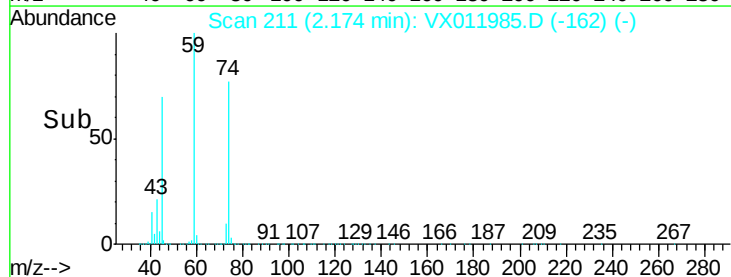
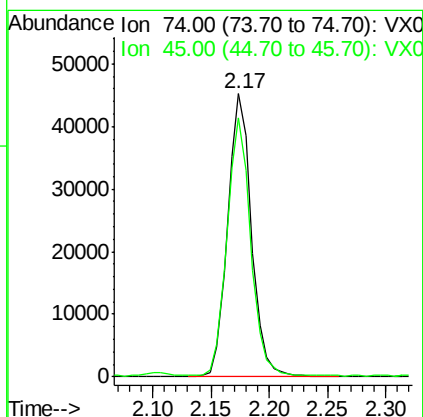
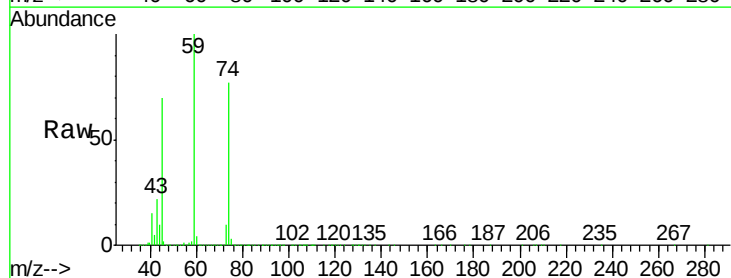
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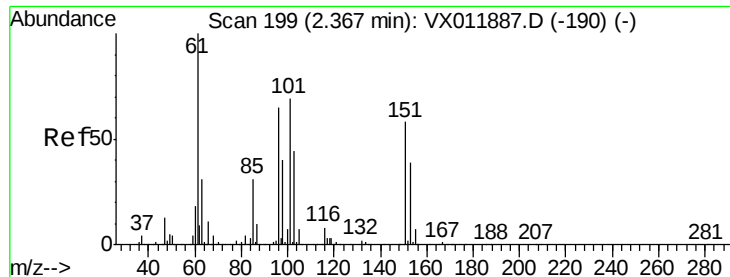


#8

Diethyl Ether
Concen: 60.355 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.513 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

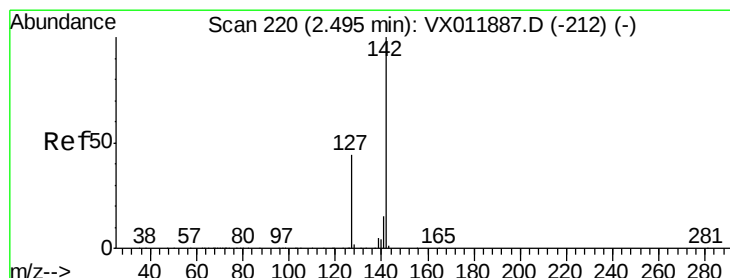
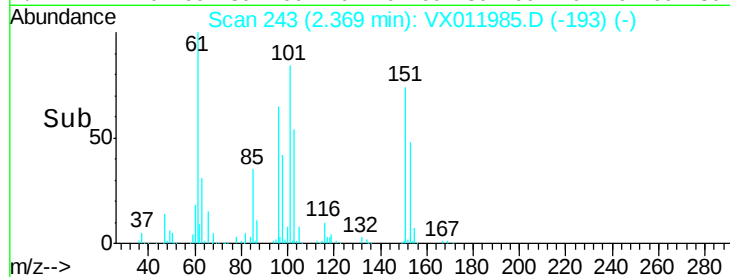
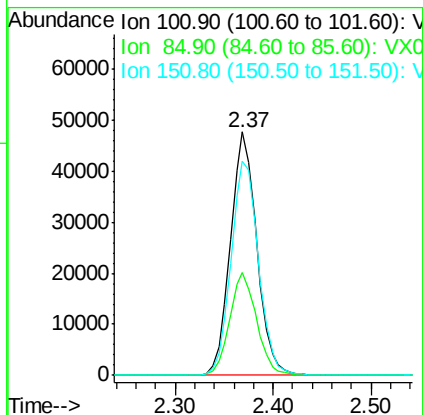
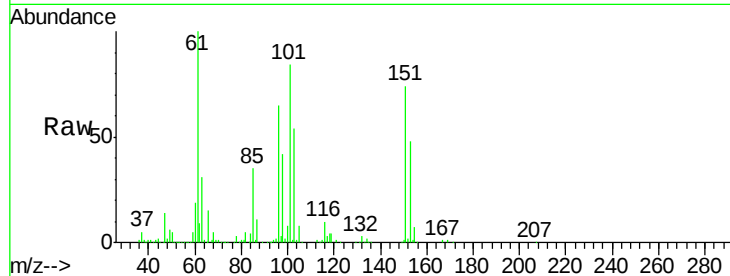
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	89295
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	91.6	70.9	106.3

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#10

Methyl Iodide

Concen: 39.391 ug/l

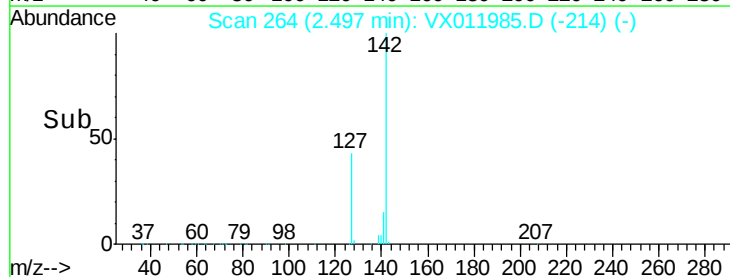
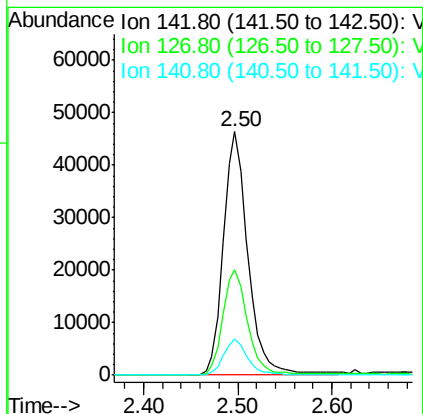
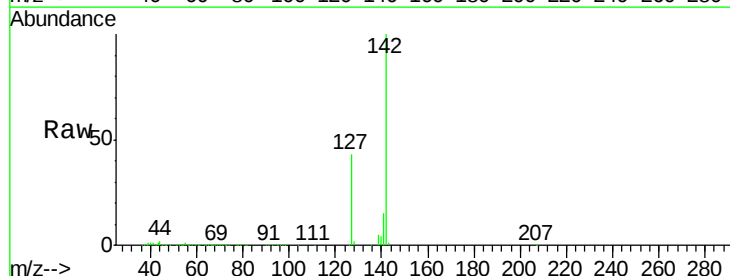
RT: 2.50 min Scan# 264

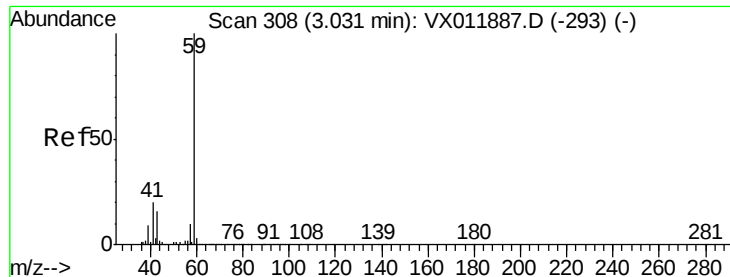
Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Tgt Ion:	142	Resp:	84430
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.7	53.5
141	14.7	11.8	17.6





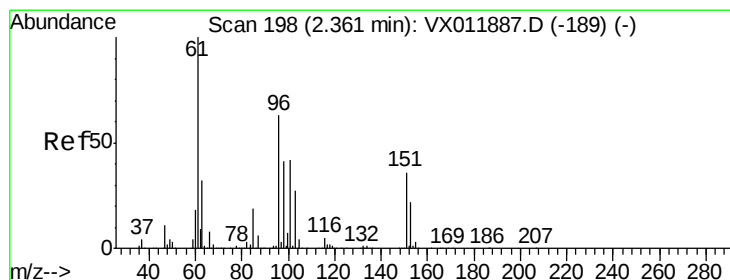
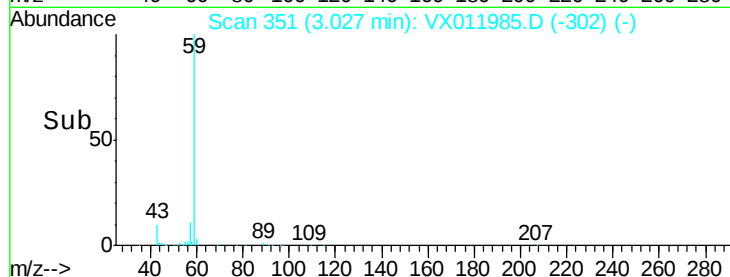
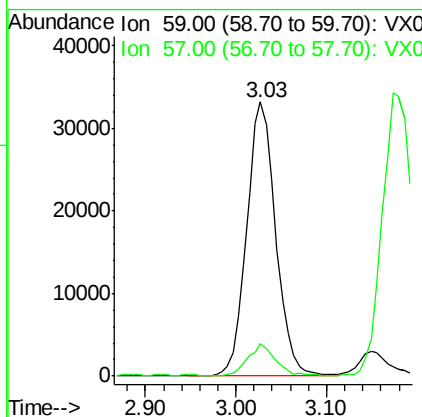
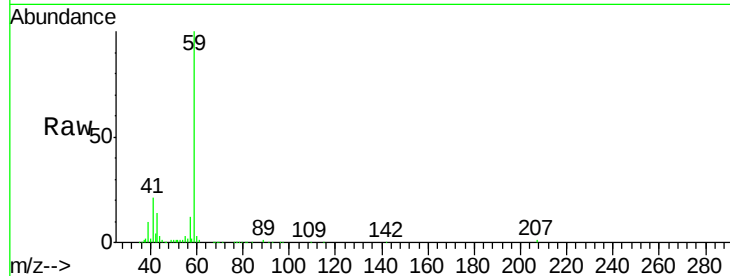
#11
Tert butyl alcohol
Concen: 301.262 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 73663
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

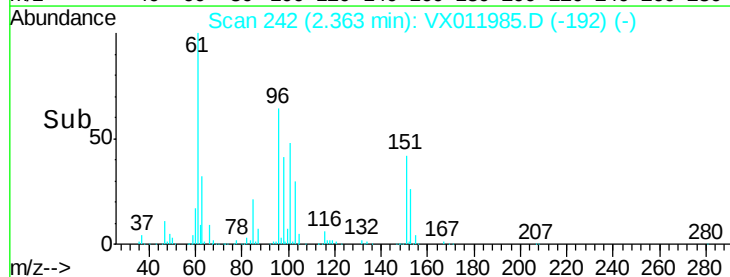
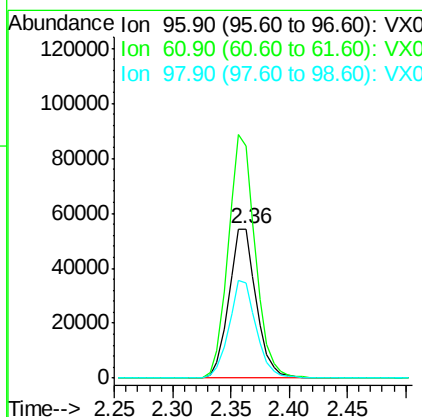
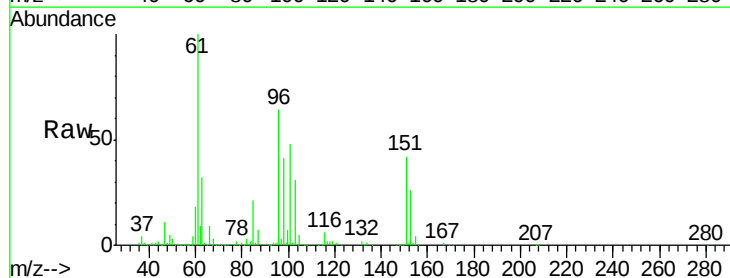
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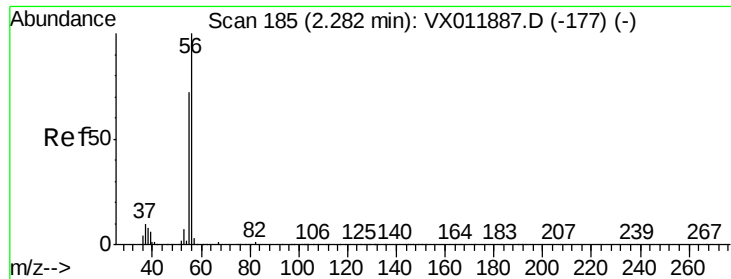
sam
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#12
1,1-Dichloroethene
Concen: 47.804 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion: 96 Resp: 89065
Ion Ratio Lower Upper
96 100
61 155.3 126.6 190.0
98 64.0 51.6 77.4





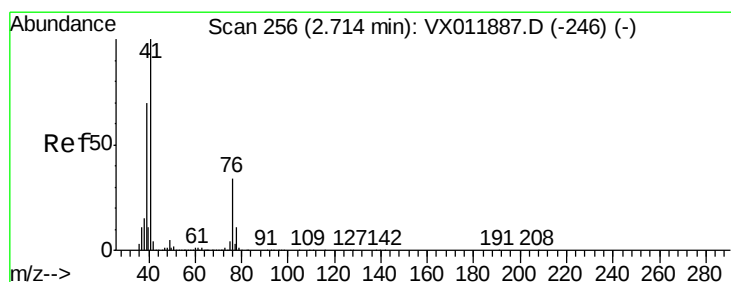
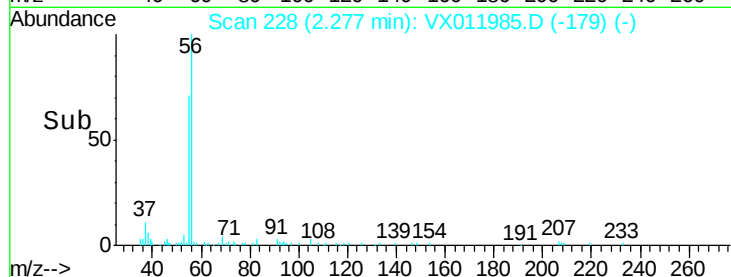
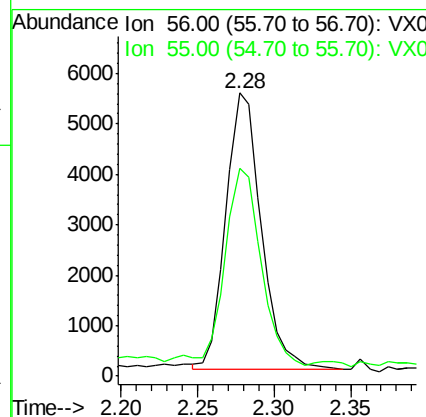
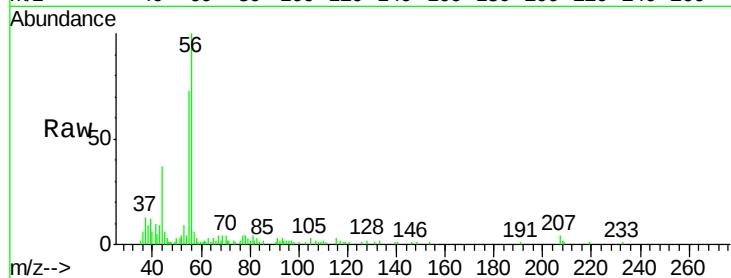
#13
Acrolein
Concen: 72.021 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	74.0	58.6	88.0

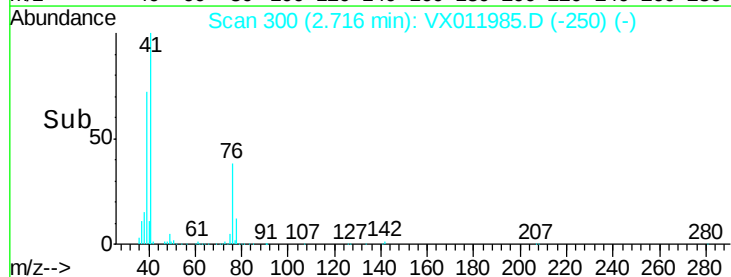
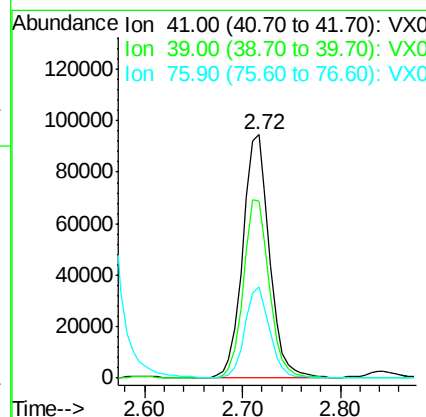
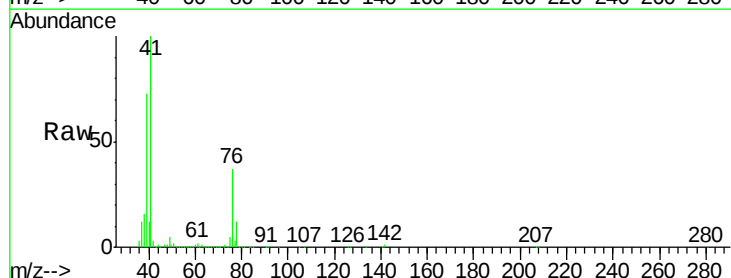
Manual Integrations
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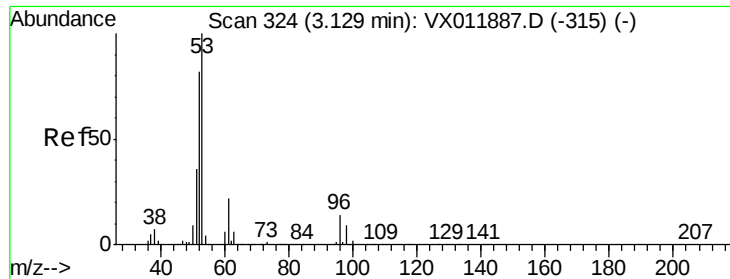
sam
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#14
Allyl chloride
Concen: 51.141 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	70.3	55.0	82.6
76	76	34.9	27.0	40.4





#15

Acrylonitrile

Concen: 306.939 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

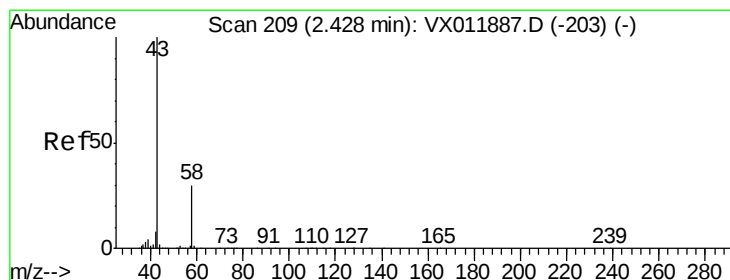
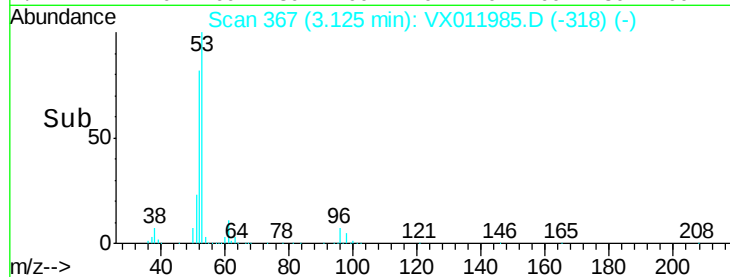
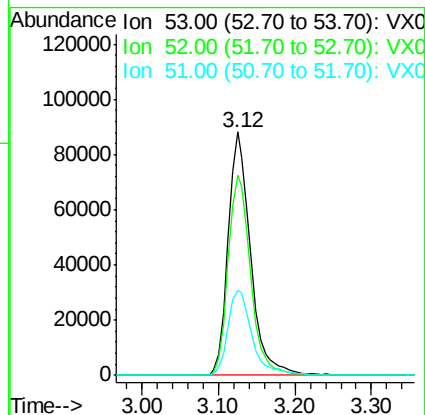
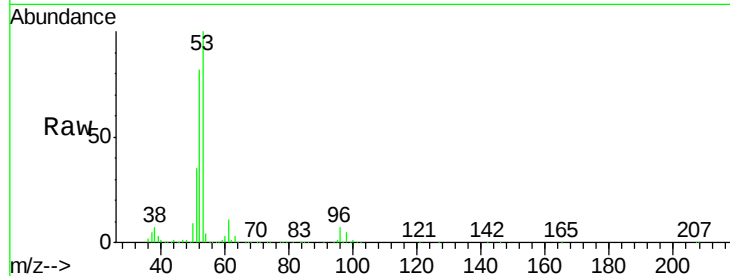
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	178340
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.3	97.9
51	37.3	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 269.627 ug/l

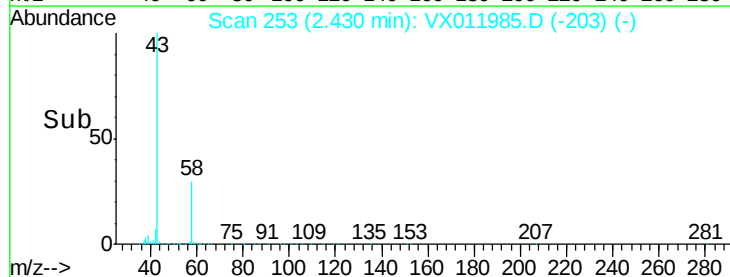
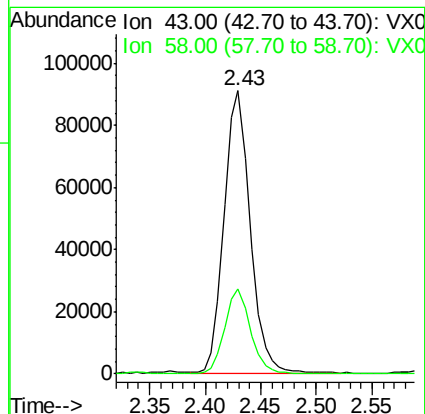
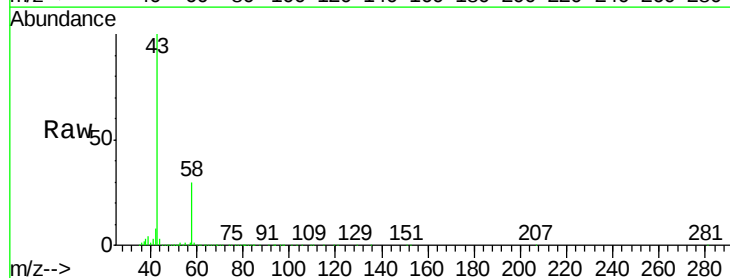
RT: 2.43 min Scan# 253

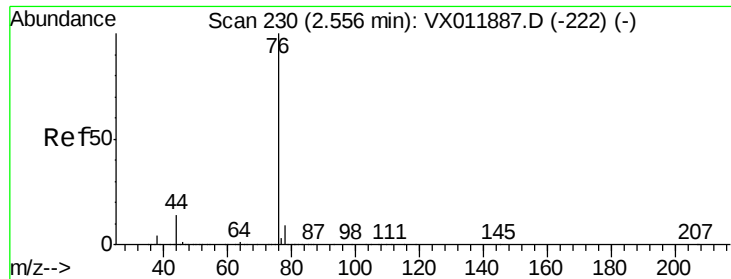
Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Tgt Ion:	43	Resp:	147442
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.8	35.8





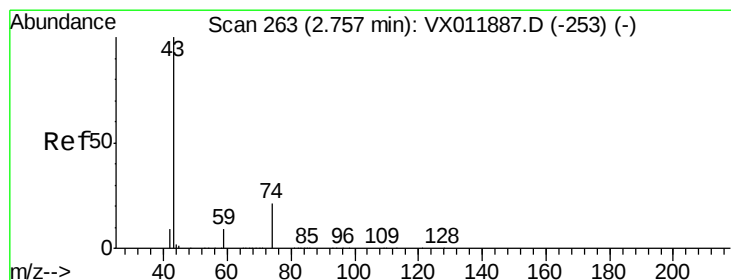
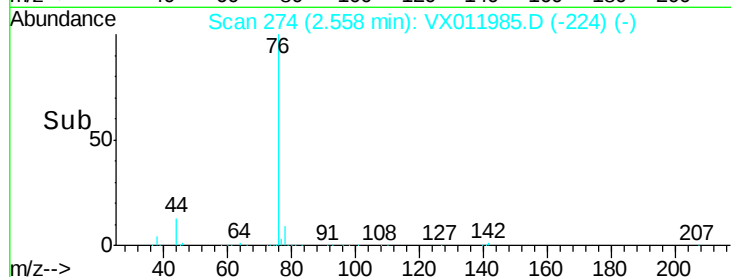
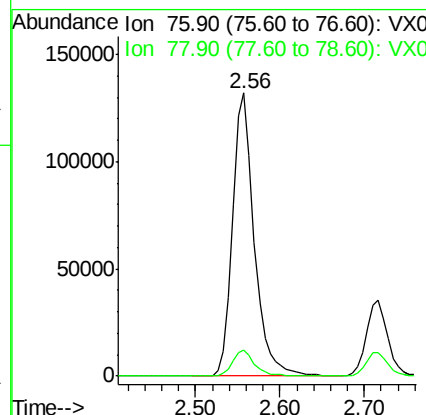
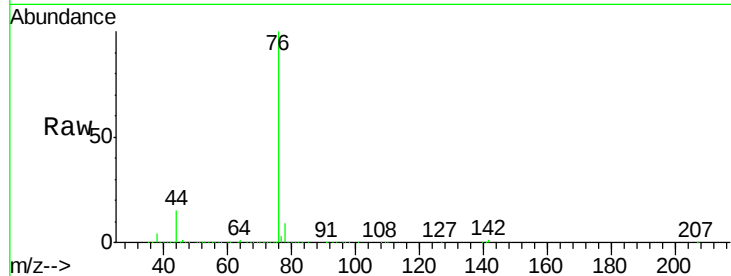
#17
Carbon Disulfide
Concen: 43.530 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

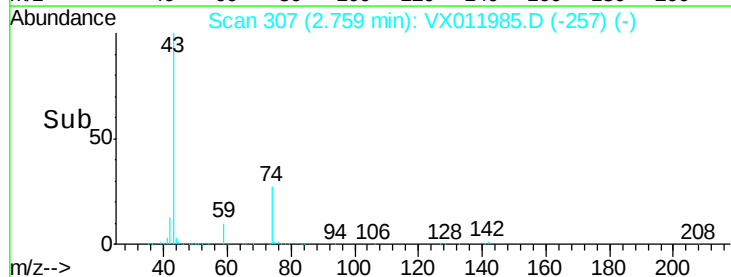
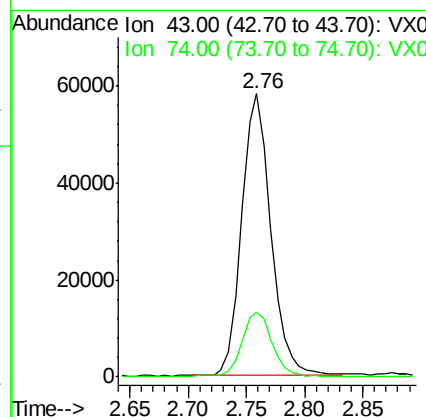
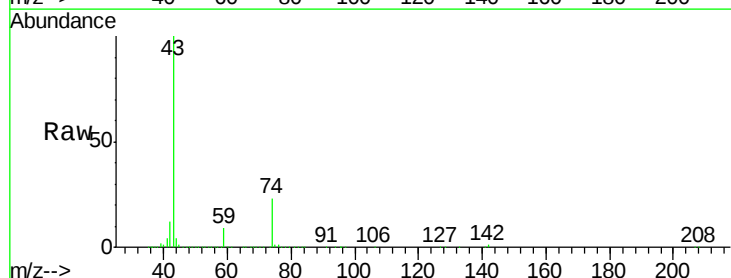
Manual Integrations
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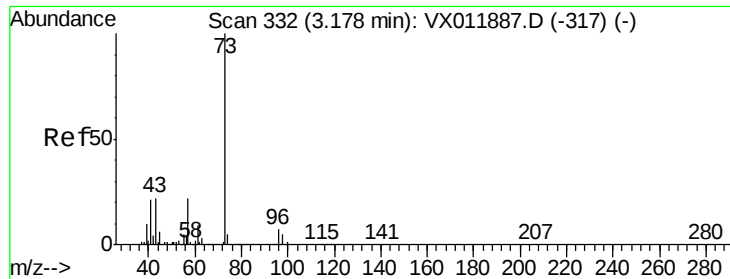
sam
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#18
Methyl Acetate
Concen: 67.288 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.4	27.6





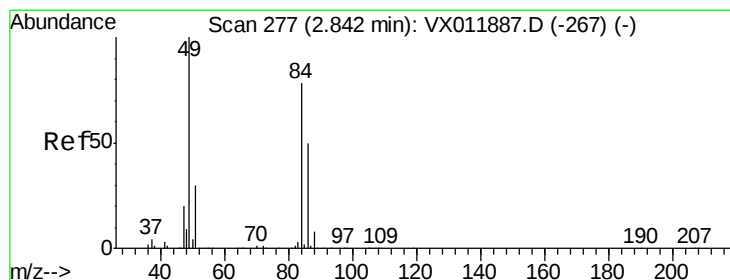
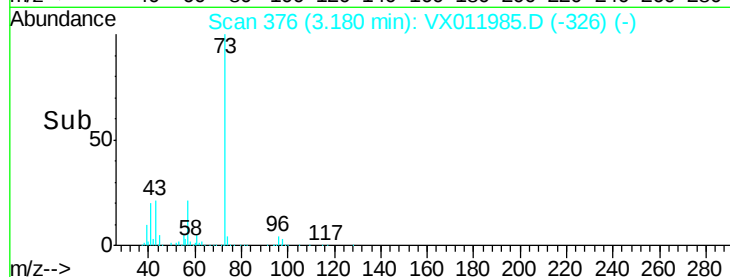
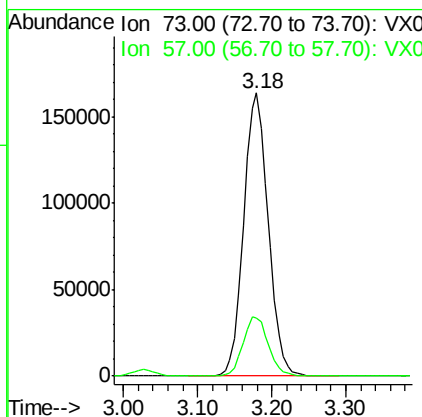
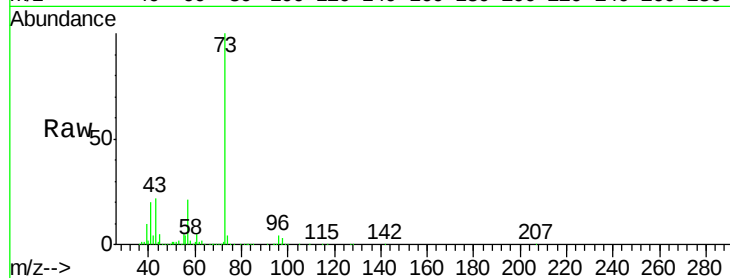
#19
Methvl tert-butvl Ether
Concen: 62.812 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 379125
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0

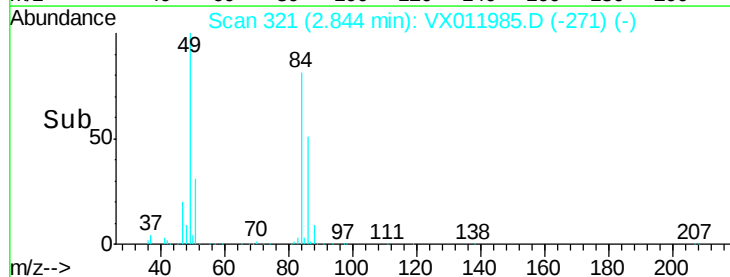
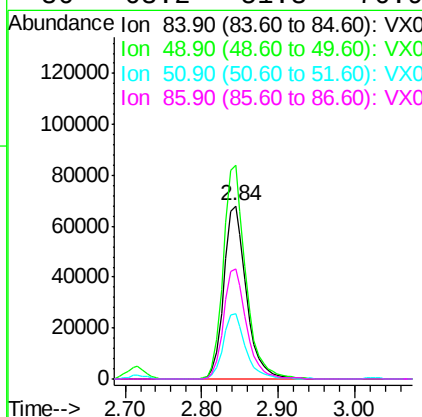
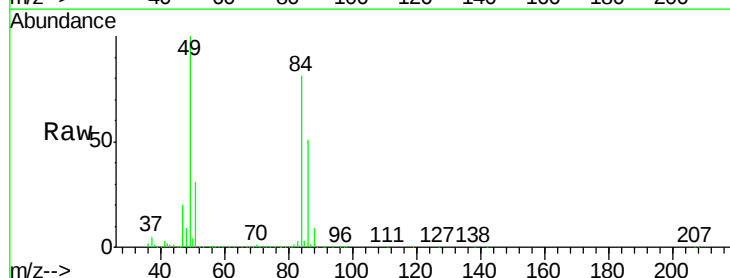
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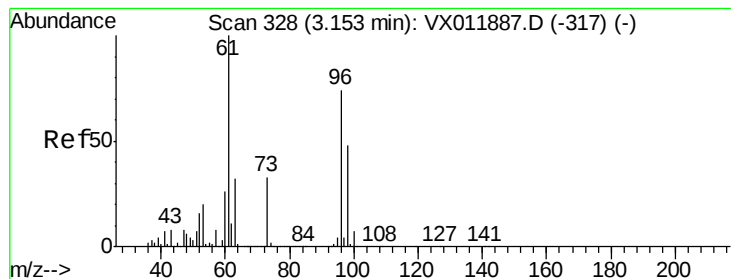
sam
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#20
Methylene Chloride
Concen: 60.489 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion: 84 Resp: 138735
Ion Ratio Lower Upper
84 100
49 123.0 103.0 154.4
51 37.7 30.8 46.2
86 63.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 53.717 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 117890

Ion Ratio Lower Upper

96 100

61 138.5 107.4 161.2

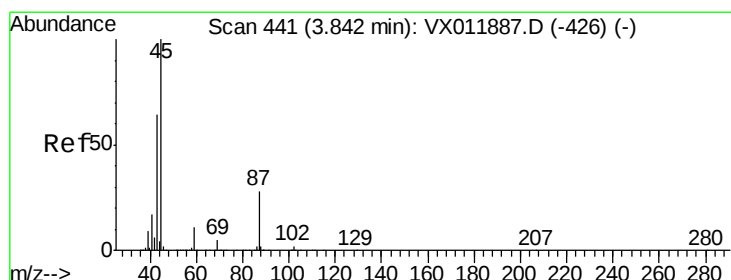
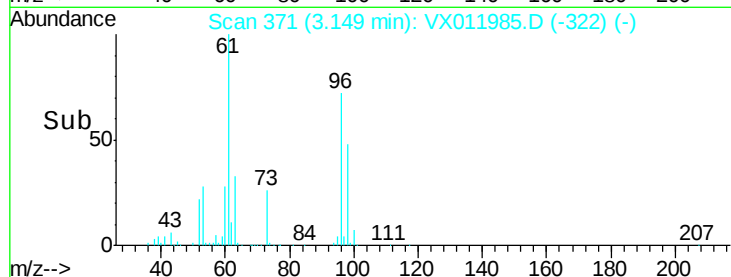
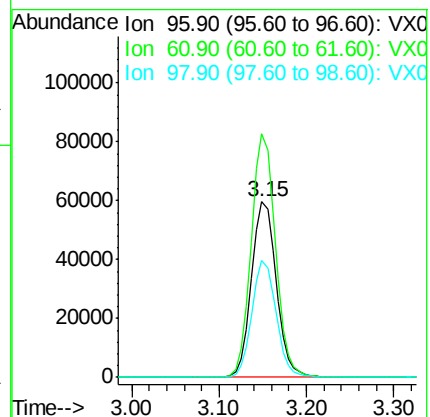
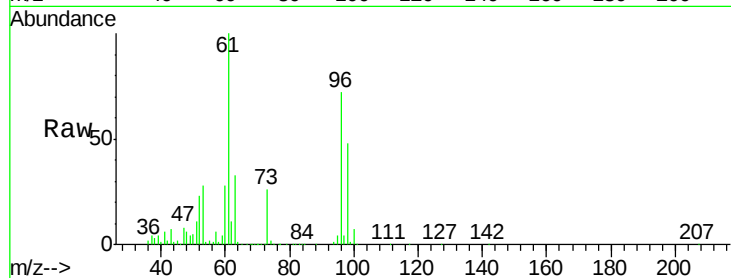
98 66.8 51.4 77.2

Manual Integrations

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sam

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#22

Diisopropyl ether

Concen: 60.191 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Tgt Ion: 45 Resp: 429451

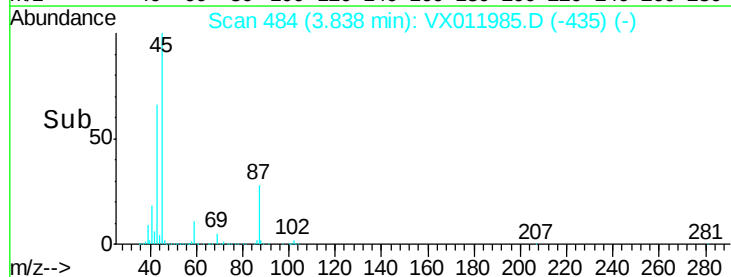
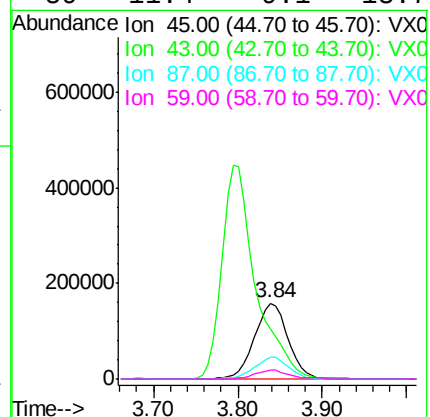
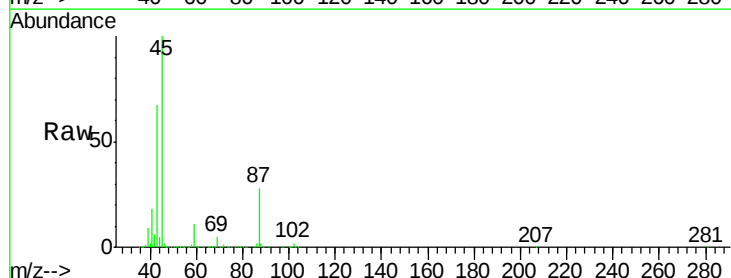
Ion Ratio Lower Upper

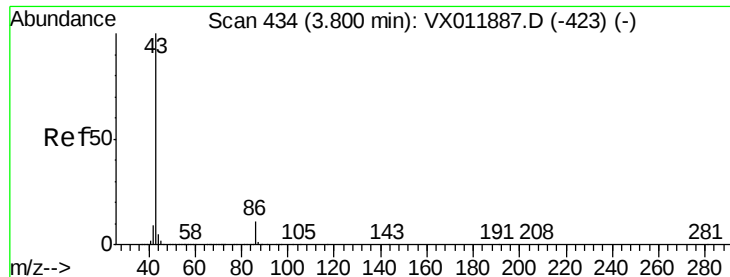
45 100

43 66.4 51.0 76.6

87 28.3 22.0 33.0

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 270.317 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1239993

Ion Ratio Lower Upper

43 100

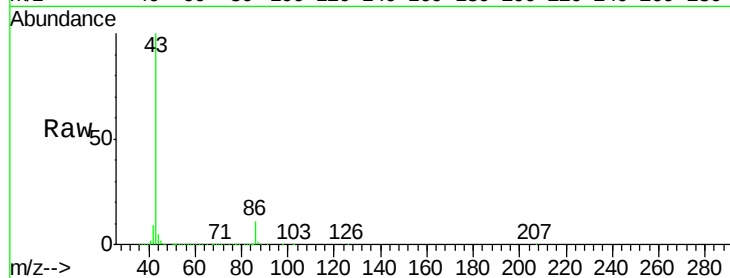
86 10.8 8.6 12.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

400000

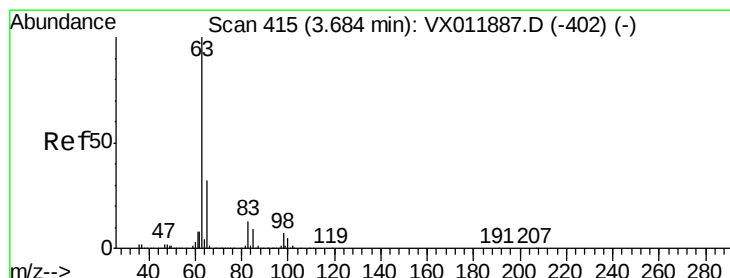
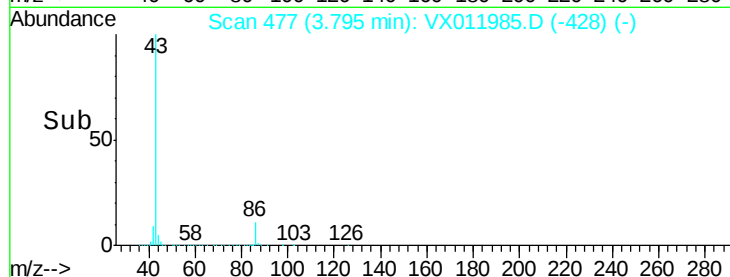
300000

200000

100000

0

Time--> 3.60 3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 57.807 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

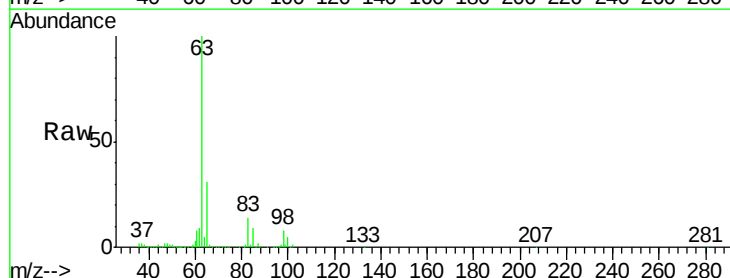
Tgt Ion: 63 Resp: 227443

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

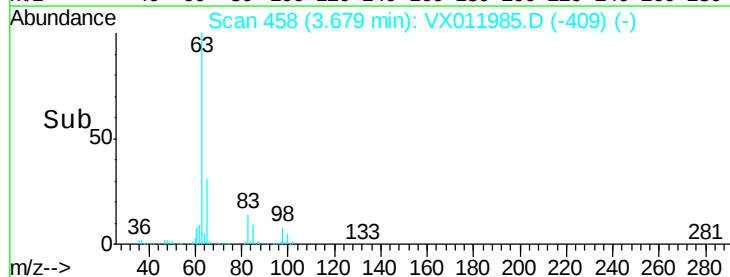
60000

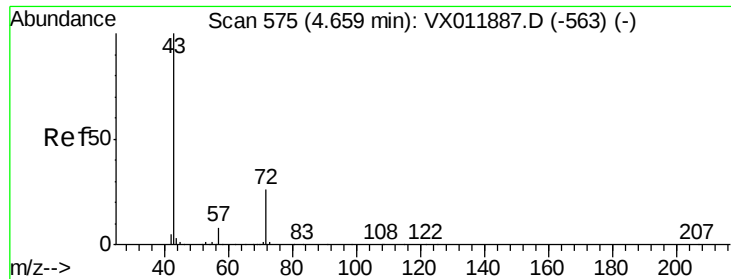
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 295.446 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 235307

Ion Ratio Lower Upper

43 100

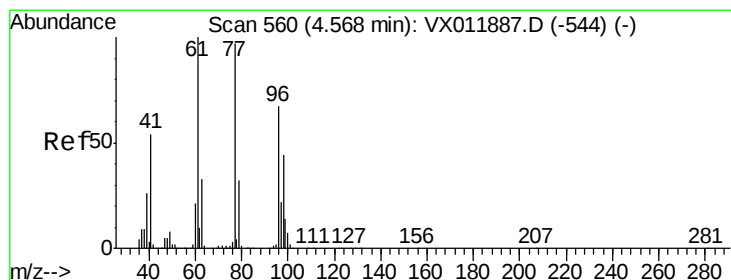
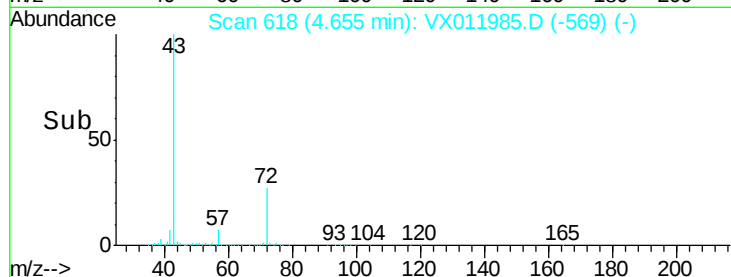
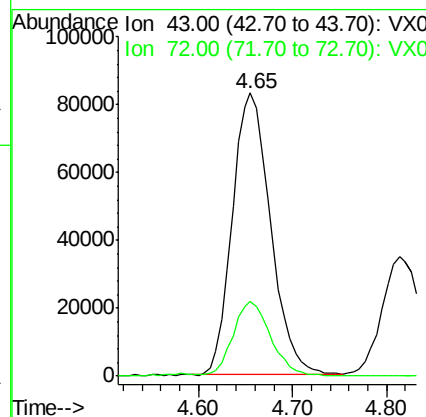
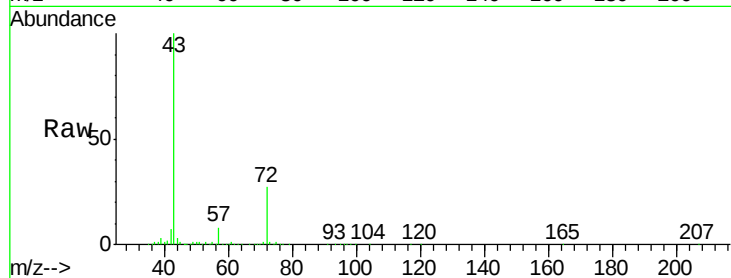
72 26.4 21.0 31.4

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 40.629 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011985.D

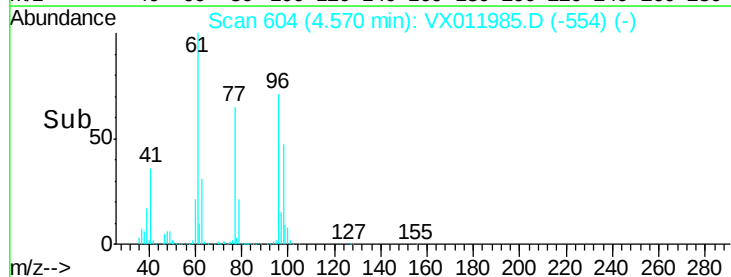
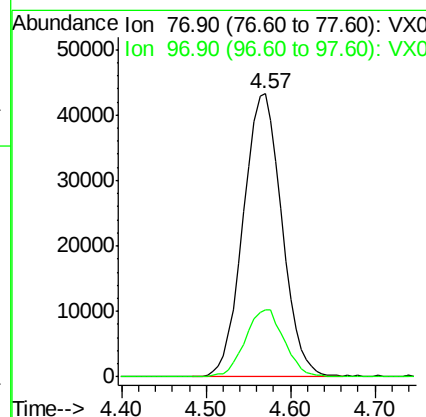
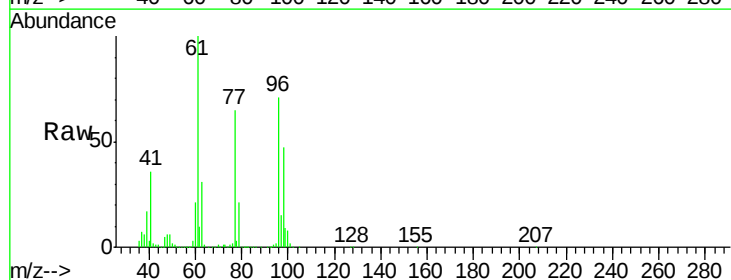
Acq: 01 Sep 2019 08:12

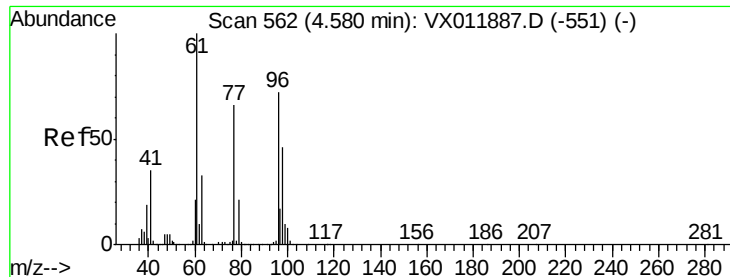
Tgt Ion: 77 Resp: 134074

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.1





#27

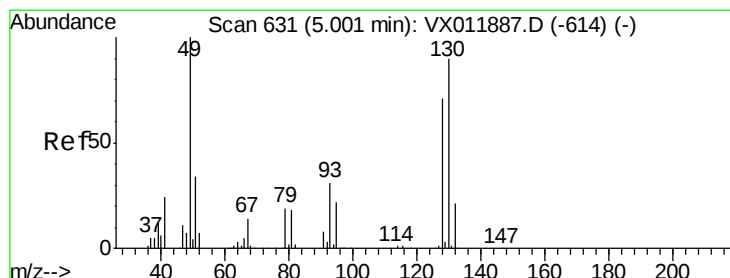
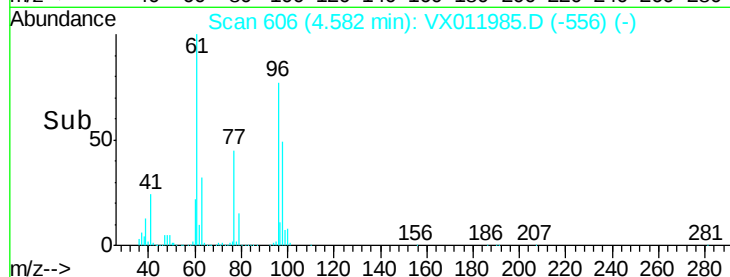
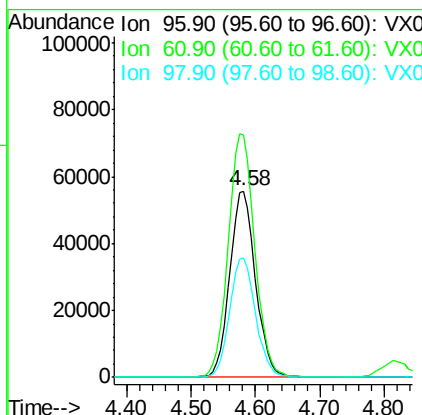
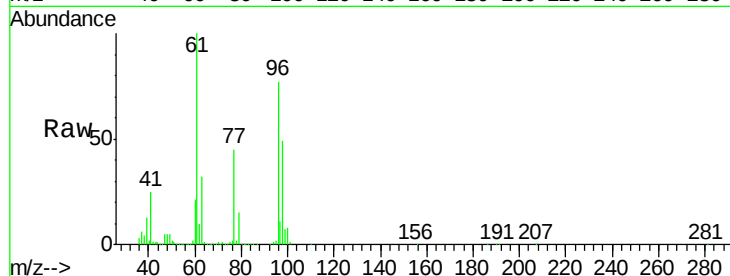
cis-1,2-Dichloroethene
Concen: 60.603 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156666		
61	135.0	0.0	283.8	
98	64.4	0.0	131.2	

Manual Integrations
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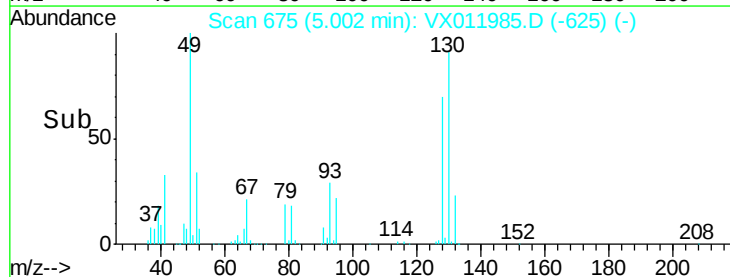
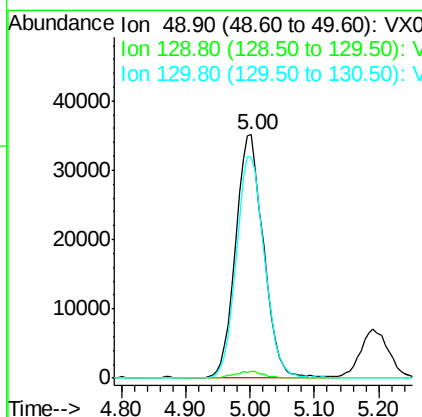
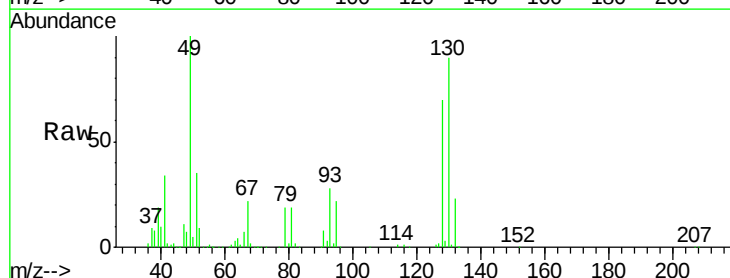
sam
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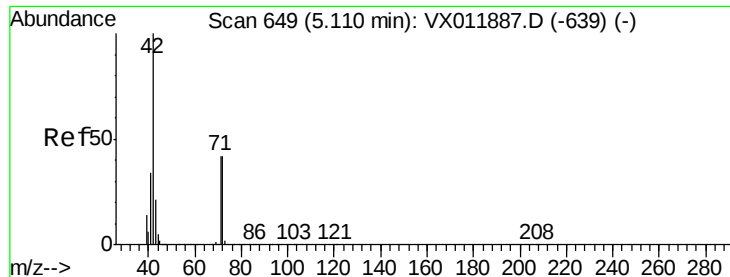


#28

Bromochloromethane
Concen: 59.661 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	105330		
129	2.8	0.0	4.8	
130	92.0	70.6	105.8	





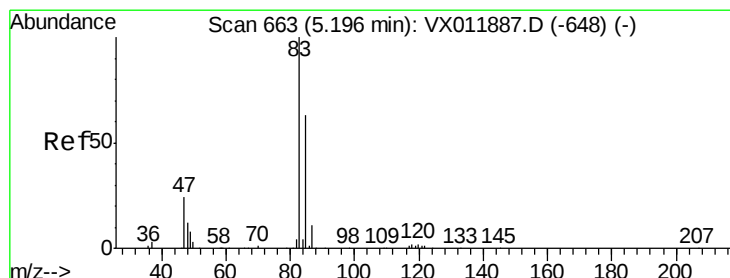
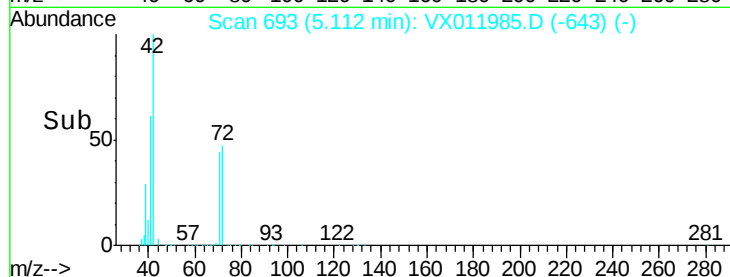
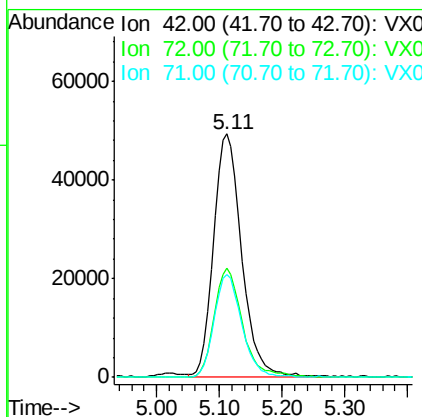
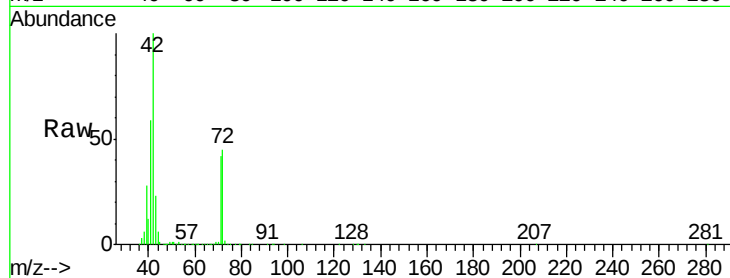
#29
Tetrahydrofuran
Concen: 305.827 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.2	54.4
71	42.0	33.1	49.7

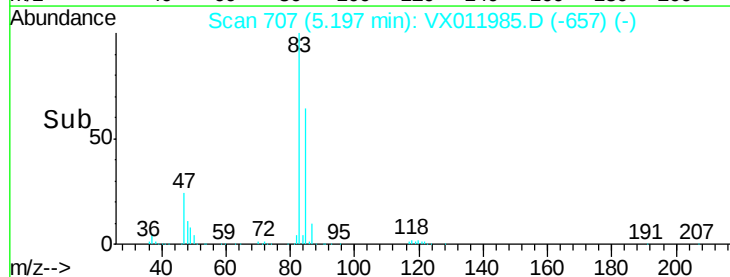
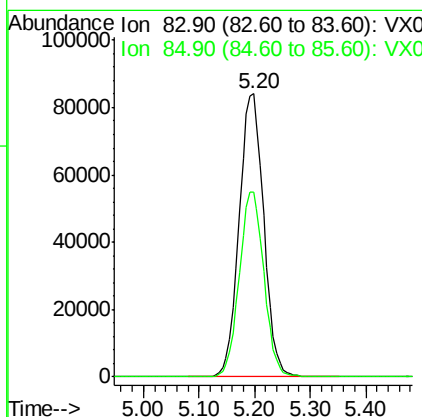
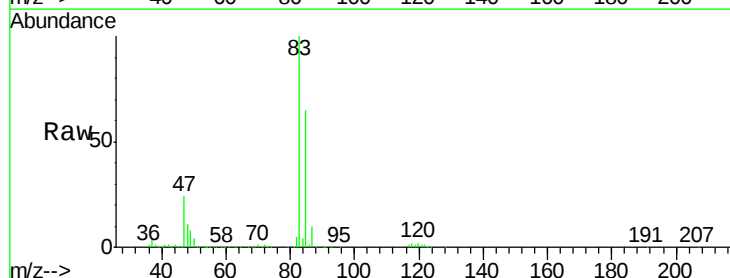
Manual Integrations
APPROVED

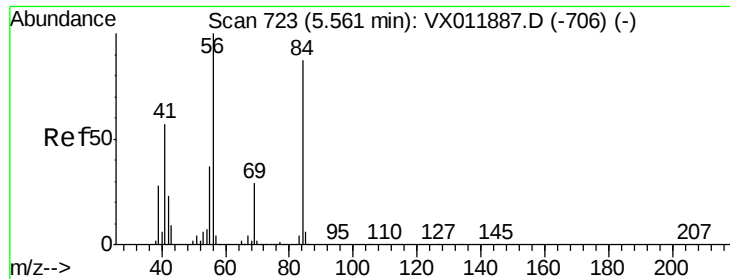
sam
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#30
Chloroform
Concen: 61.261 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	75.8





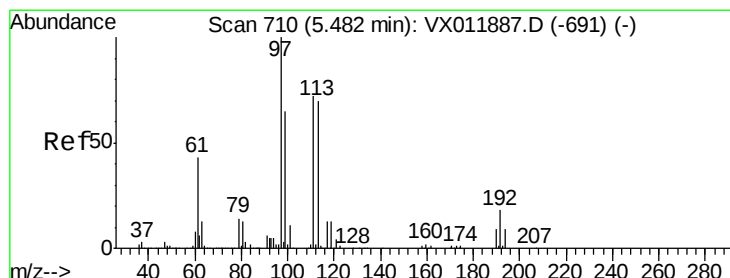
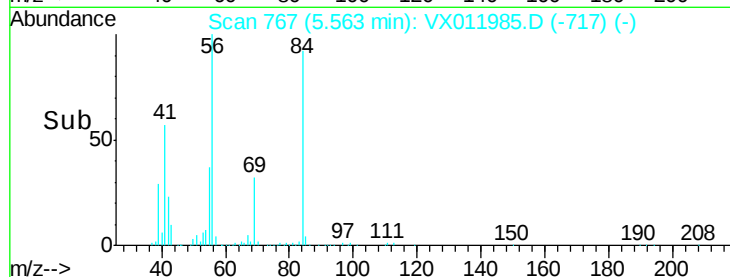
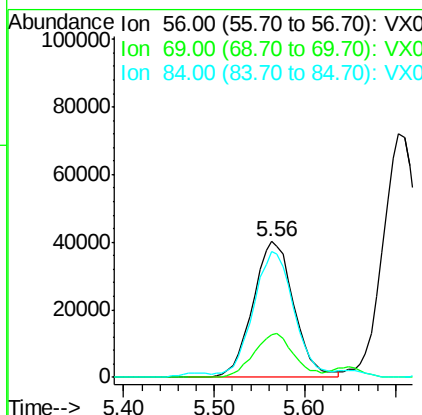
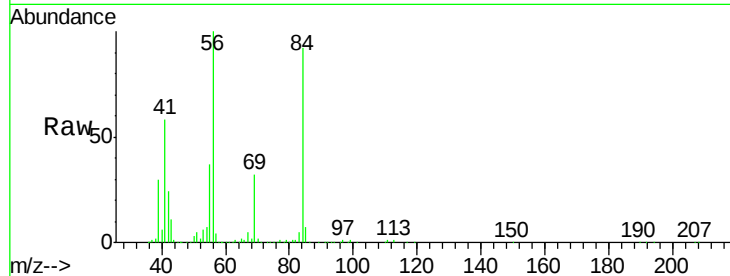
#31
Cvclohexane
Concen: 39.342 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	23.1	34.7
84	89.9	69.6	104.4

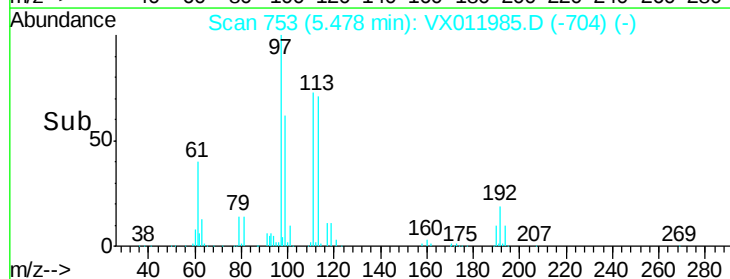
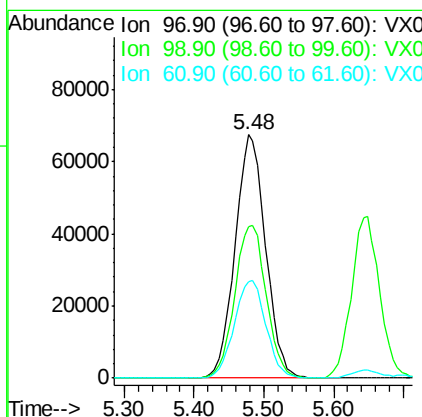
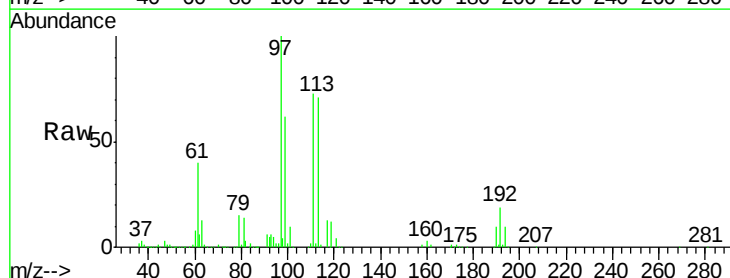
Manual Integrations
APPROVED

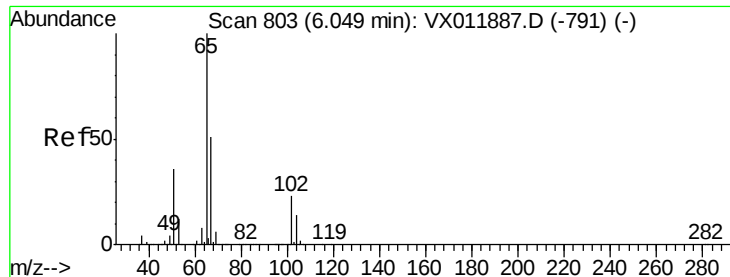
sam
9/3/2019 12:52:55 PM



#32
1,1,1-Trichloroethane
Concen: 54.702 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	41.6	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 61.565 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 156471

Ion Ratio Lower Upper

65 100

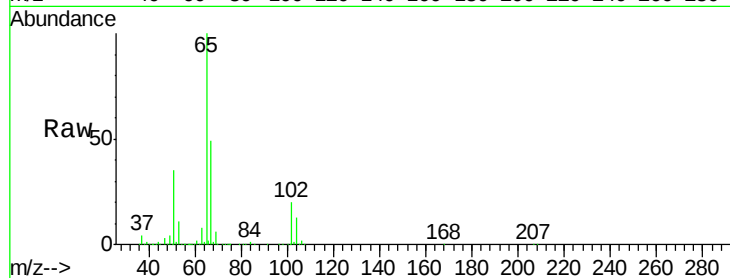
67 50.2 0.0 102.2

Manual Integrations

APPROVED

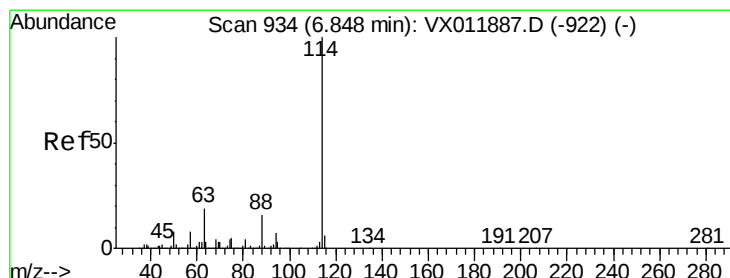
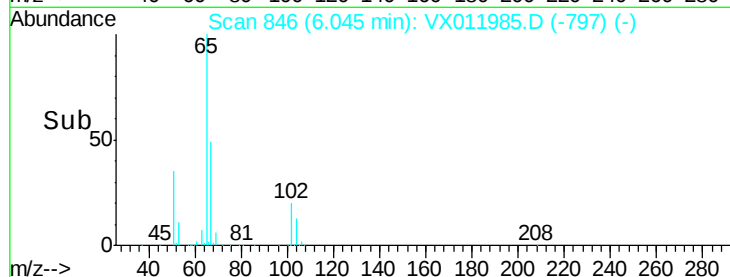
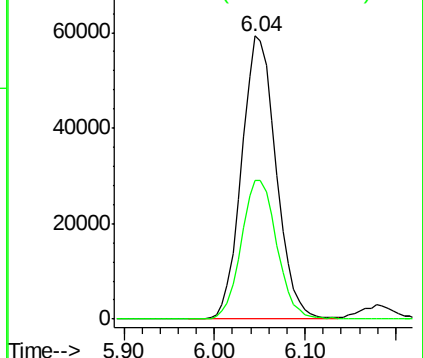
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

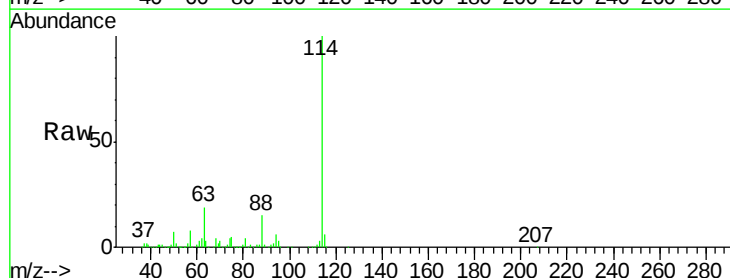
Tgt Ion: 114 Resp: 408696

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

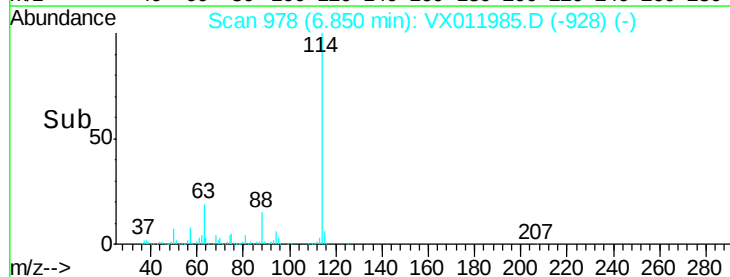
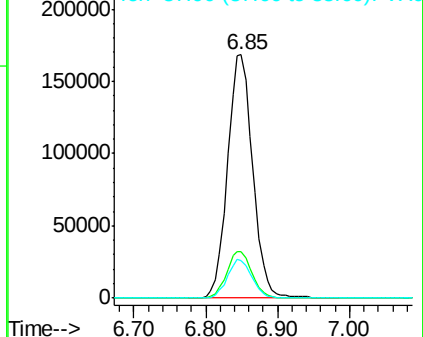
88 15.5 0.0 31.2

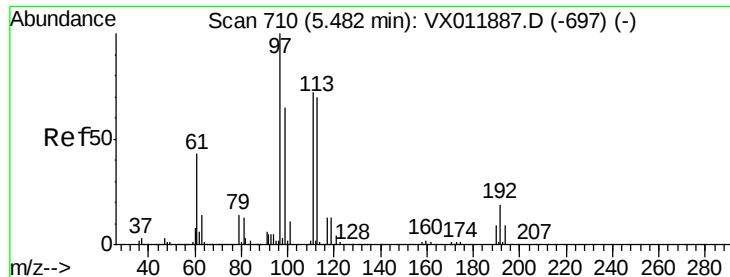


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





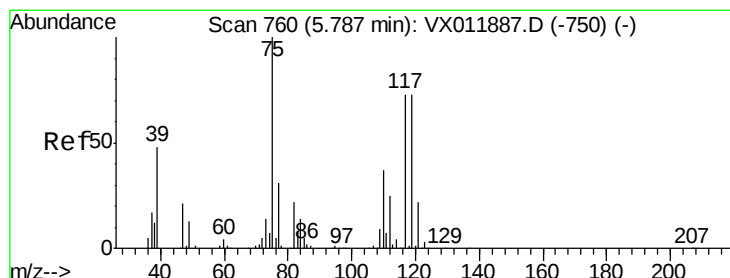
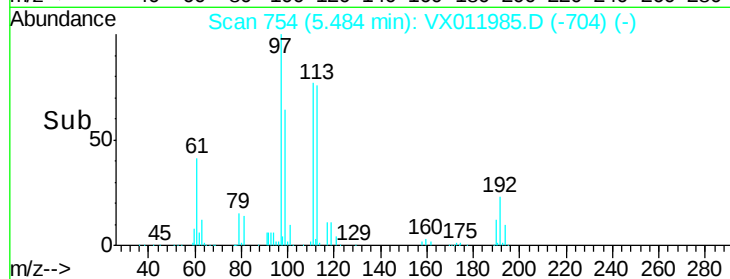
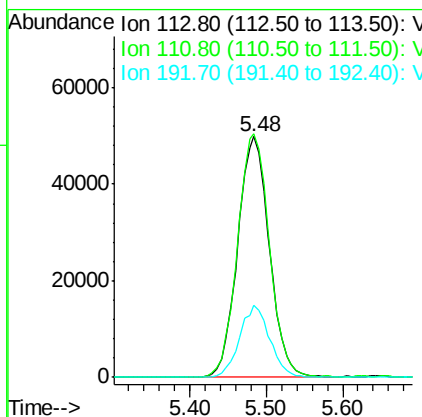
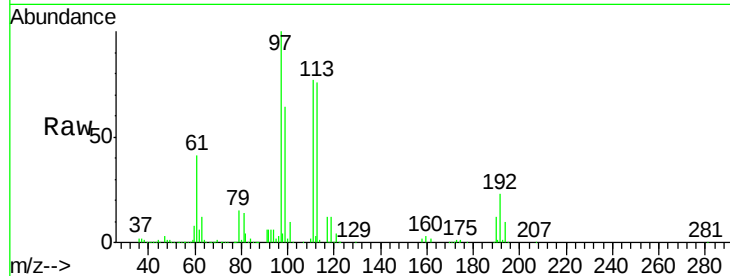
#35
Dibromofluoromethane
Concen: 54.598 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.1	123.1
192	28.5	21.5	32.3

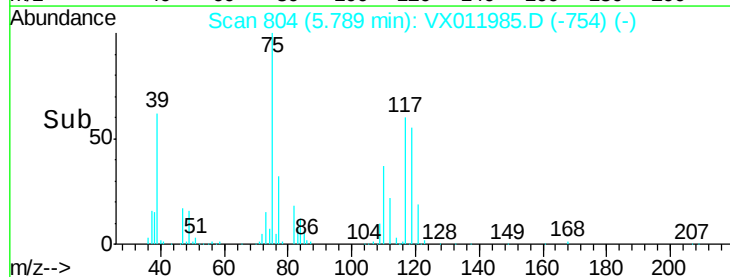
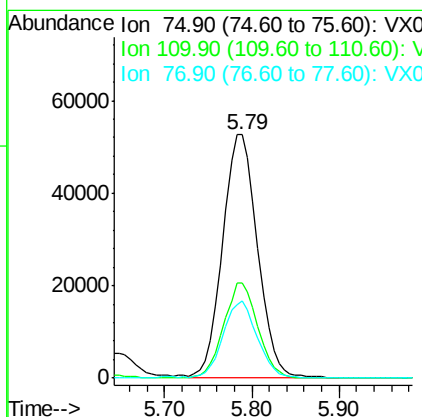
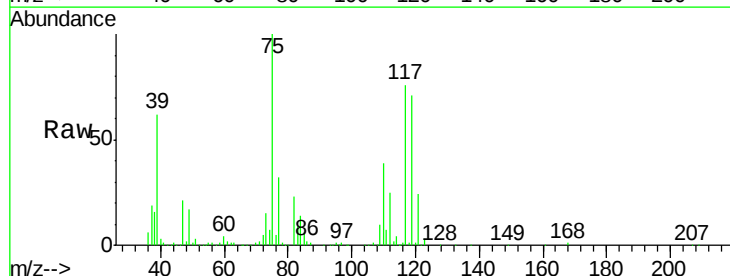
Manual Integrations
APPROVED

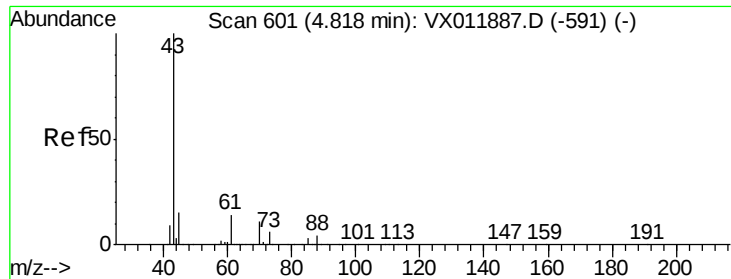
sam
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#36
1,1-Dichloropropene
Concen: 44.847 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	30.8	24.4	36.6





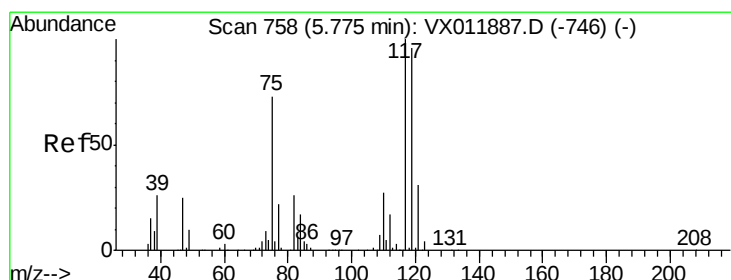
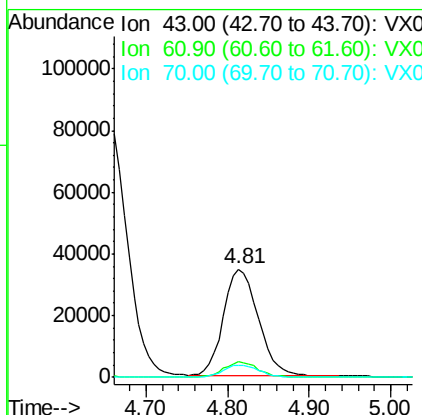
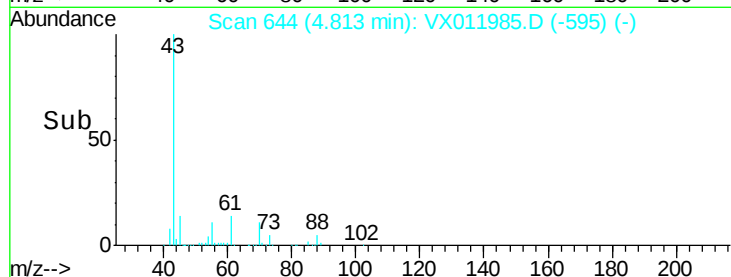
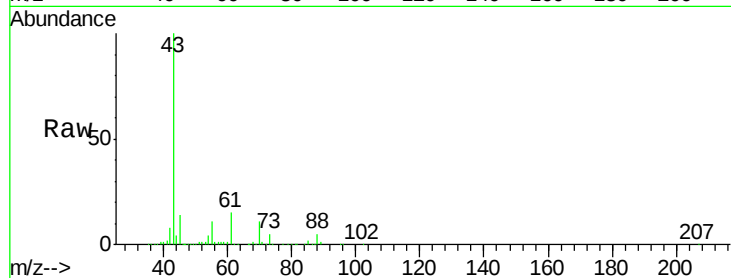
#37
Ethyl Acetate
Concen: 54.028 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	43	Resp	103550
Ion Ratio	100	Lower	Upper
43	100		
61	14.1	11.0	16.4
70	12.0	9.2	13.8

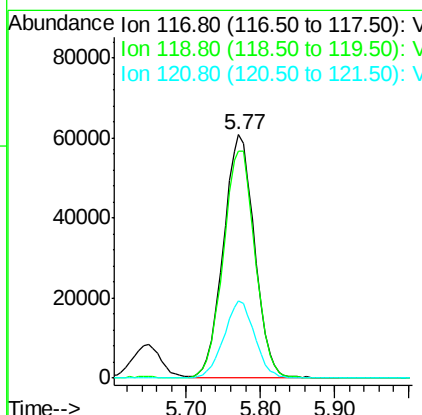
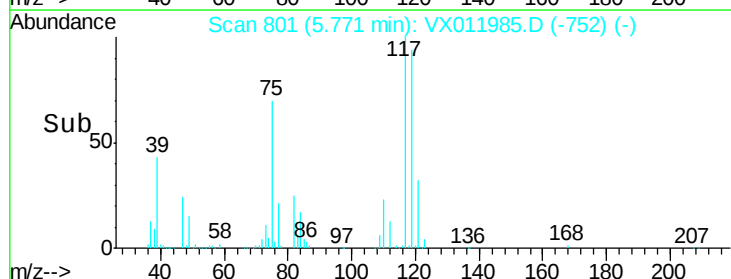
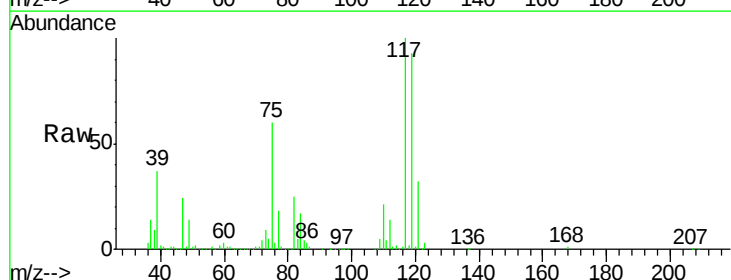
Manual Integrations
APPROVED

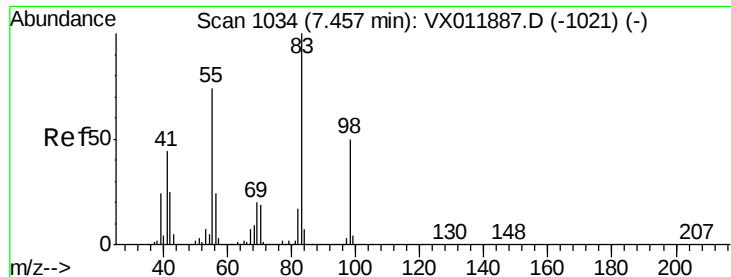
sam
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#38
Carbon Tetrachloride
Concen: 47.413 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	117	Resp	178044
Ion Ratio	100	Lower	Upper
117	100		
119	93.3	76.6	114.8
121	31.9	24.7	37.1





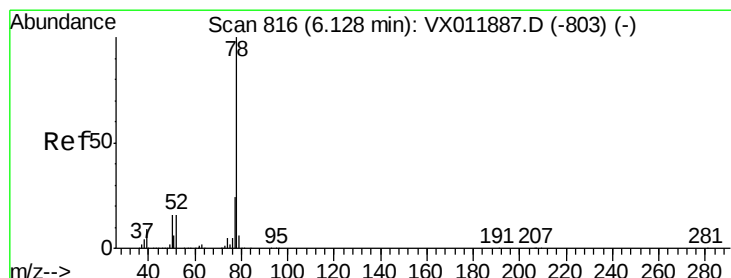
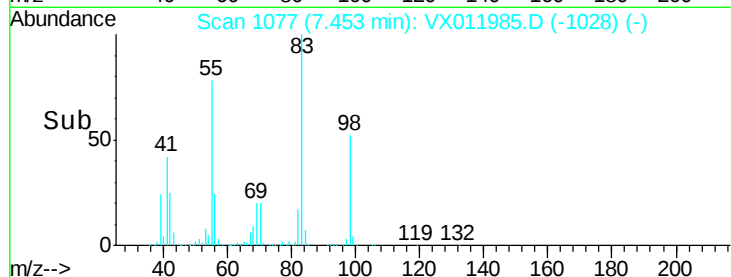
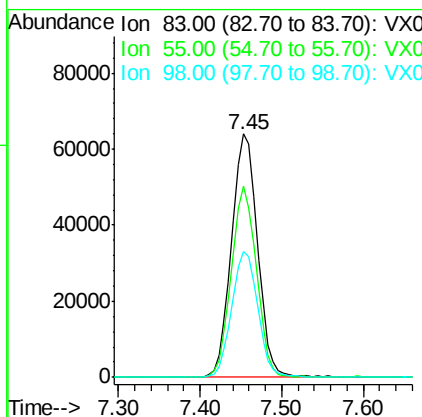
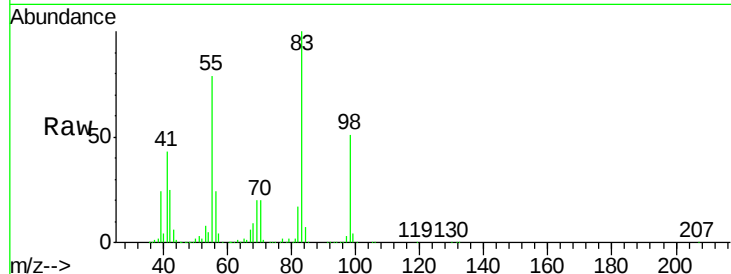
#39
Methvlcvclohexane
Concen: 36.525 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	59.4	89.0
98	51.4	40.3	60.5

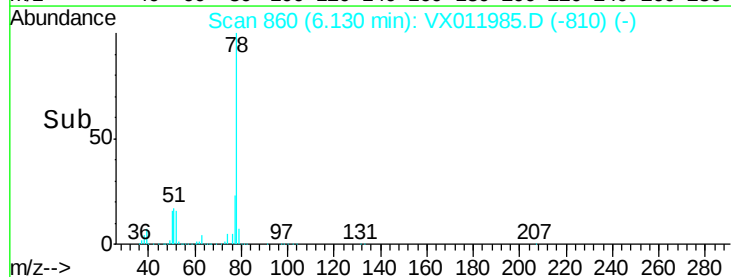
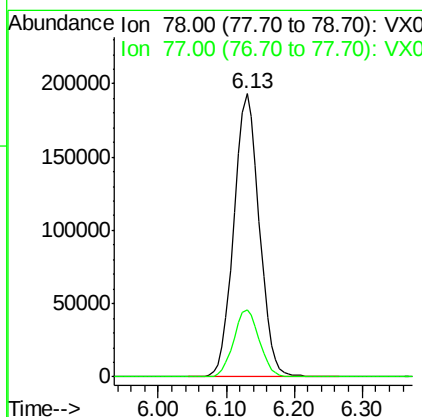
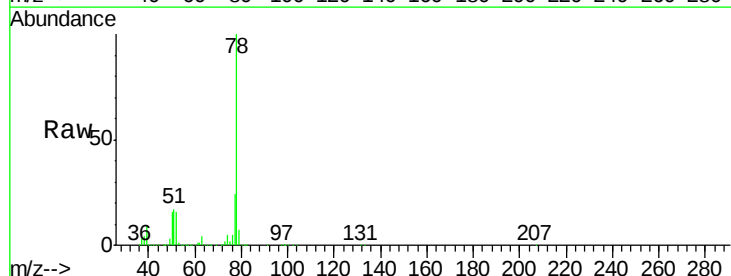
Manual Integrations
APPROVED

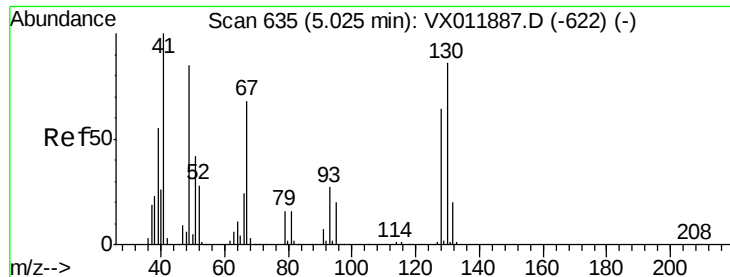
sam
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#40
Benzene
Concen: 51.939 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





#41

Methacrylonitrile

Concen: 56.250 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 63478

Ion Ratio Lower Upper

41 100

39 56.6 45.0 67.6

67 70.3 55.0 82.4

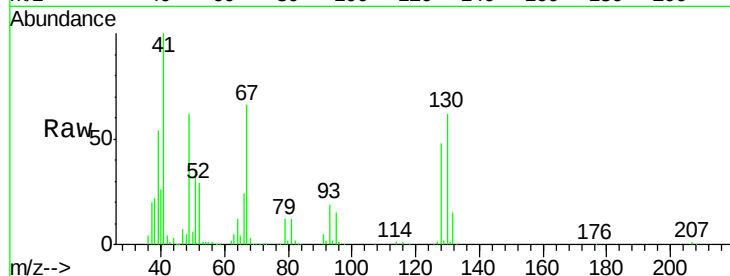
52 29.4 24.1 36.1

Manual Integrations

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sam

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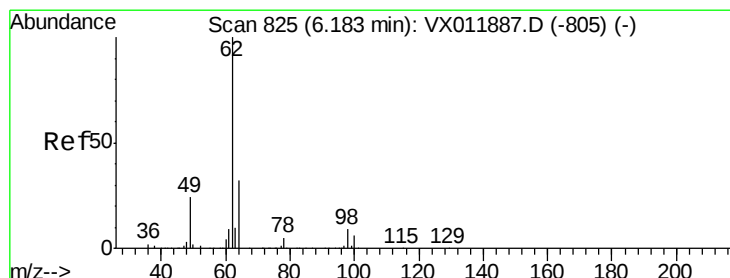
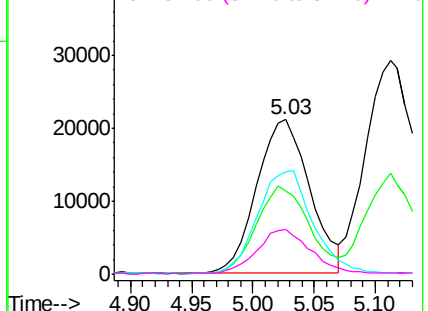
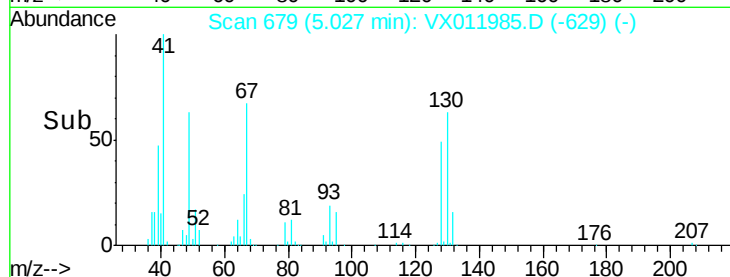


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 58.190 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011985.D

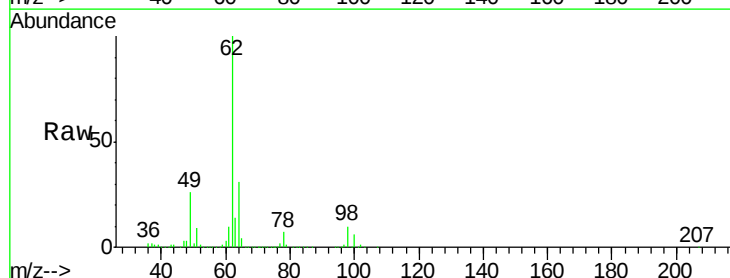
Acq: 01 Sep 2019 08:12

Tgt Ion: 62 Resp: 191254

Ion Ratio Lower Upper

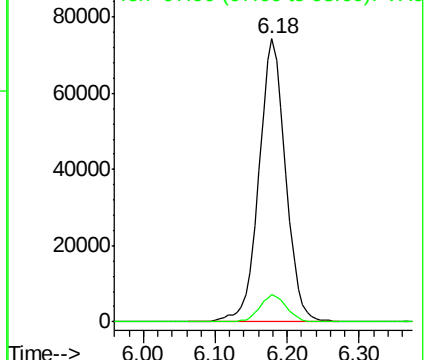
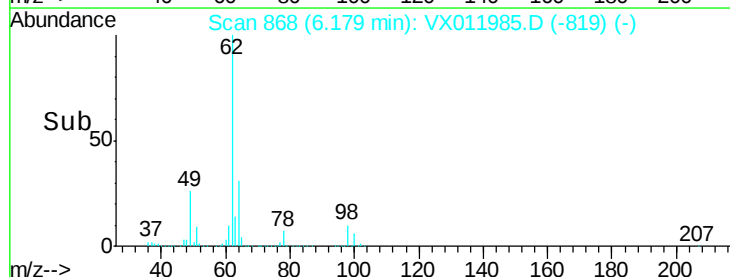
62 100

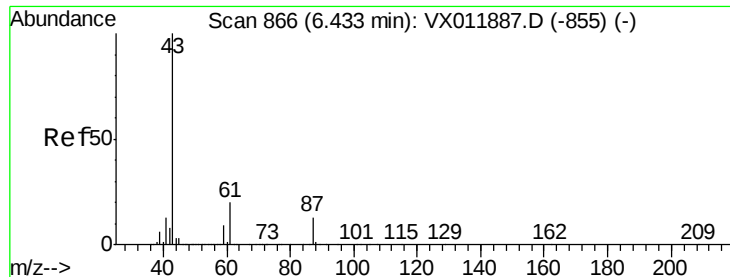
98 9.7 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





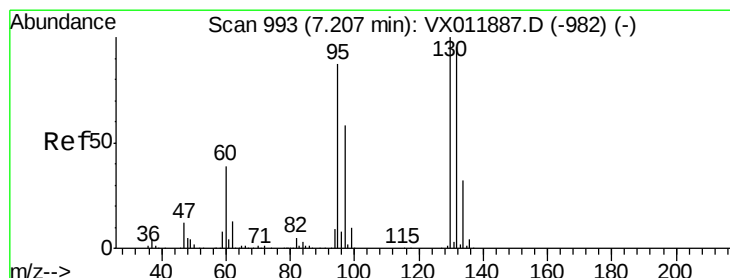
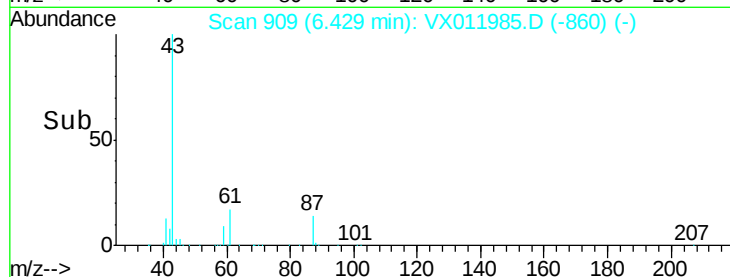
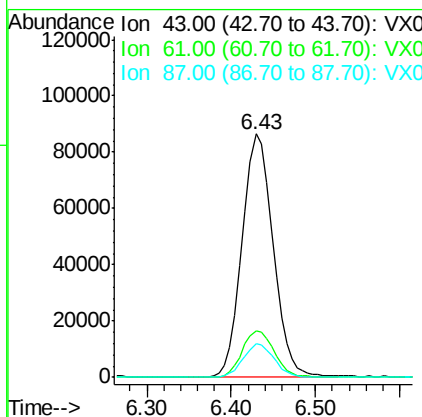
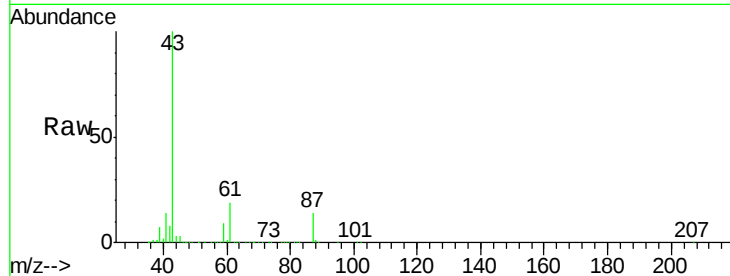
#43
Isopropyl Acetate
Concen: 55.419 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.7	10.6	16.0

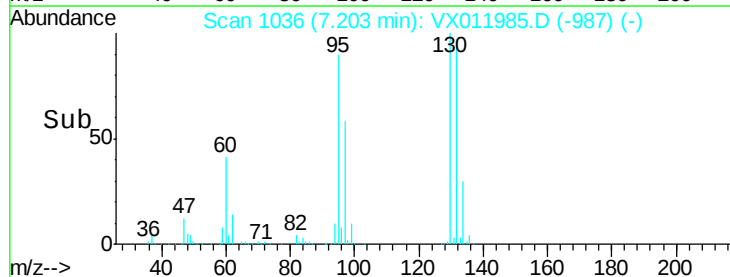
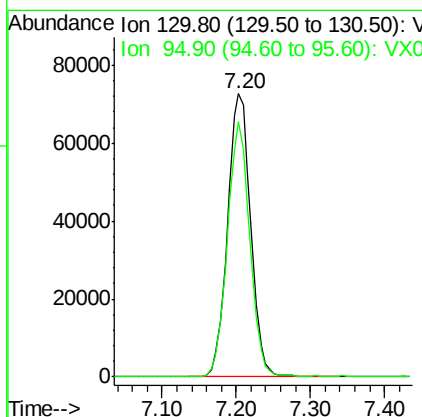
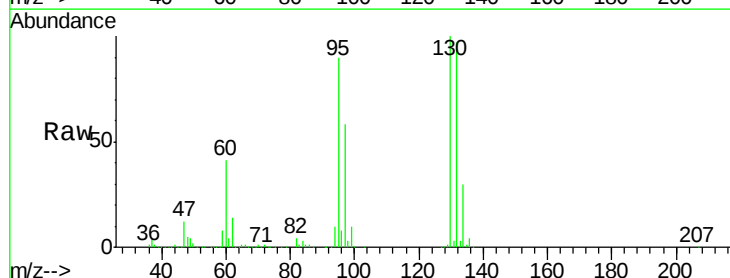
Manual Integrations
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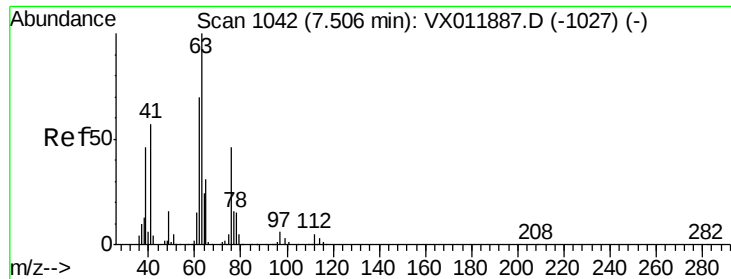
sam
9/3/2019 12:52:55 PM



#44
Trichloroethene
Concen: 52.784 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	174.6





#45

1,2-Dichloropropane

Concen: 54.805 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 138551

Ion Ratio Lower Upper

63 100

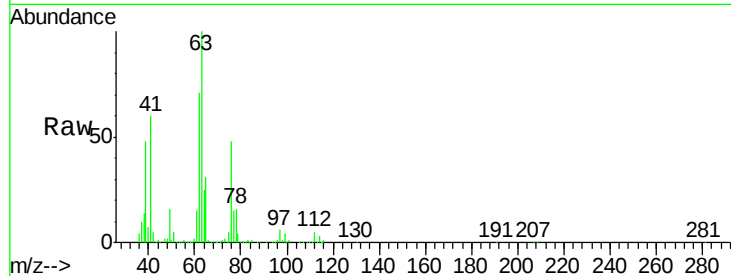
65 30.8 25.1 37.7

Manual Integrations

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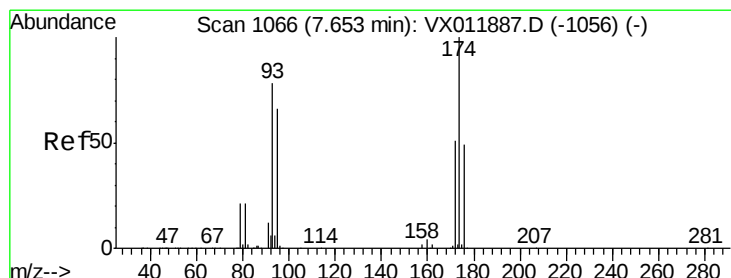
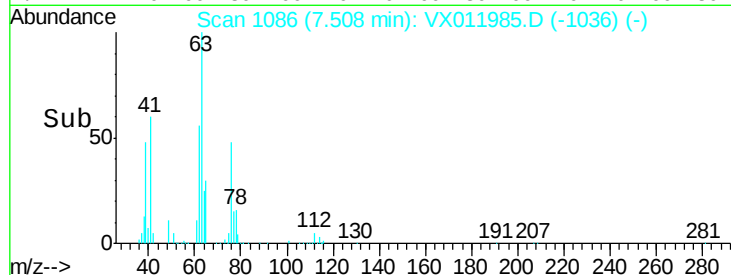
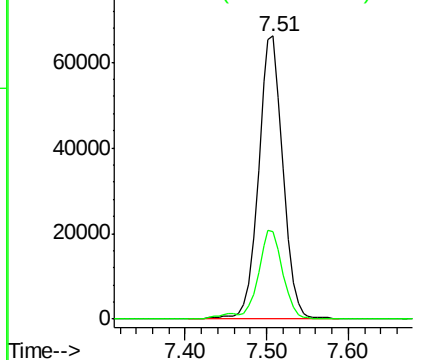
sam

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 57.805 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

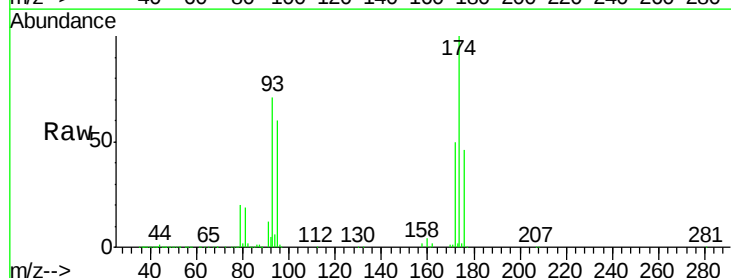
Tgt Ion: 93 Resp: 86729

Ion Ratio Lower Upper

93 100

95 83.7 65.7 98.5

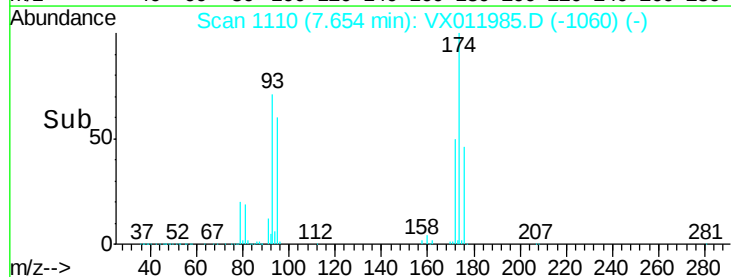
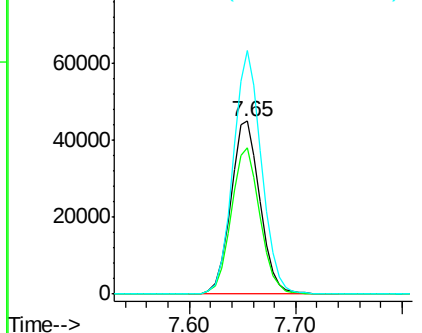
174 136.5 104.2 156.4

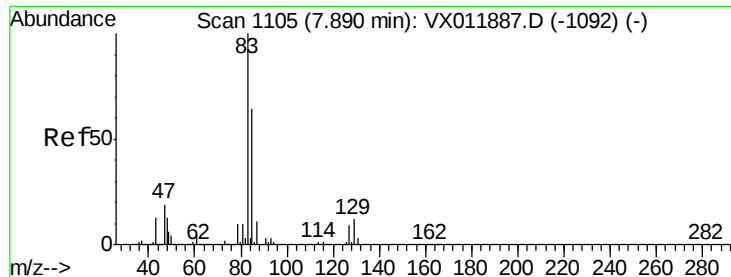


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 57.295 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

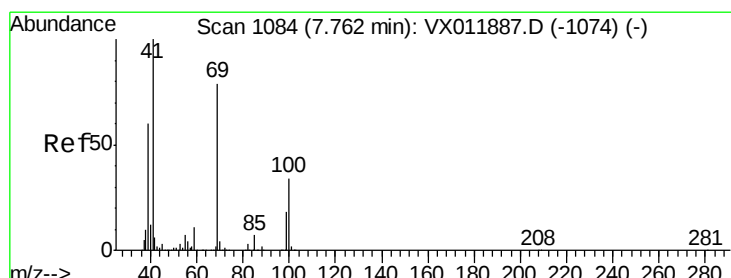
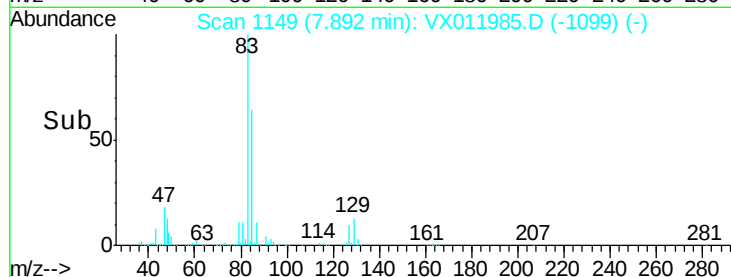
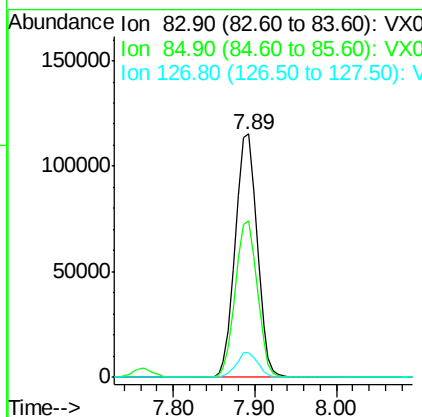
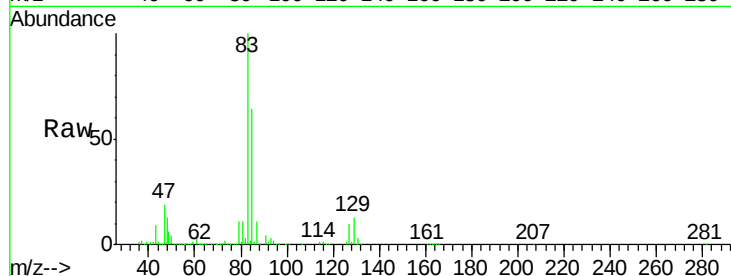
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	213164
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	10.0	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.802 ug/l

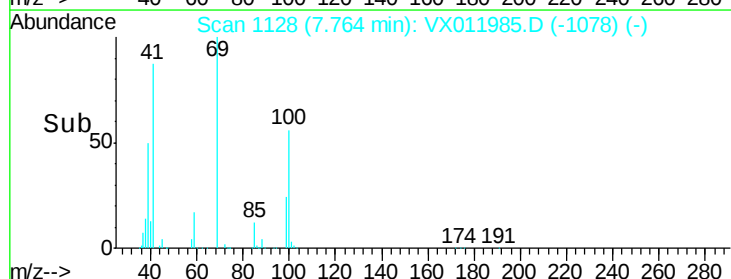
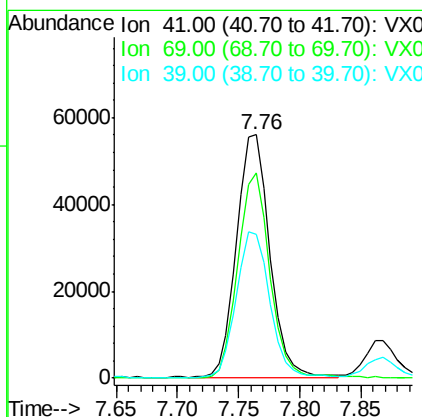
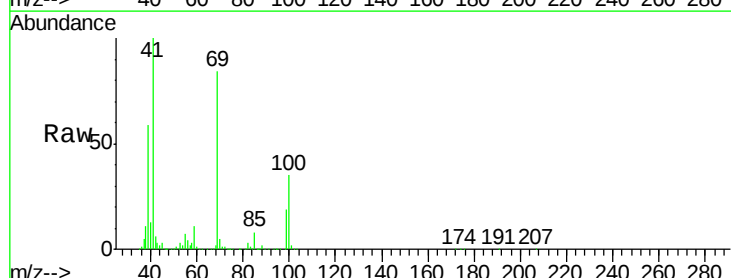
RT: 7.76 min Scan# 1128

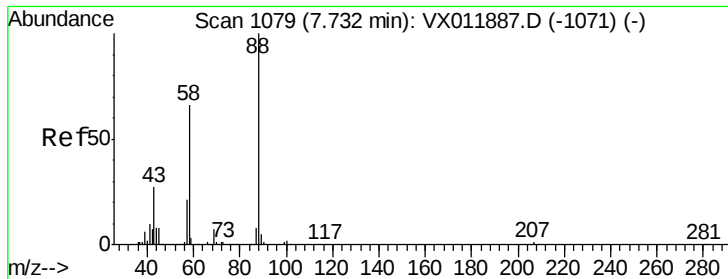
Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Tgt Ion:	41	Resp:	105505
Ion	Ratio	Lower	Upper
41	100		
69	82.5	64.4	96.6
39	60.1	47.2	70.8





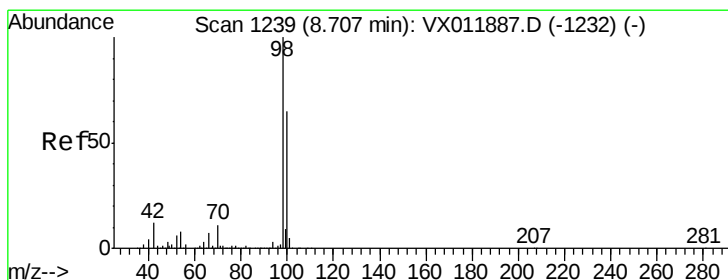
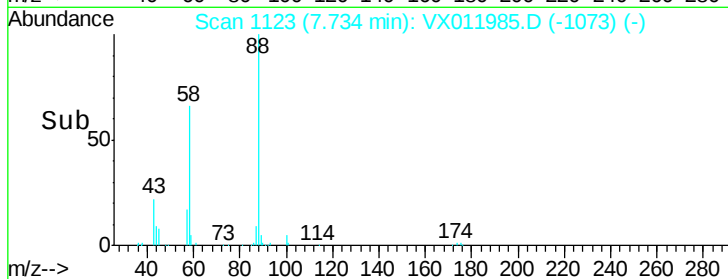
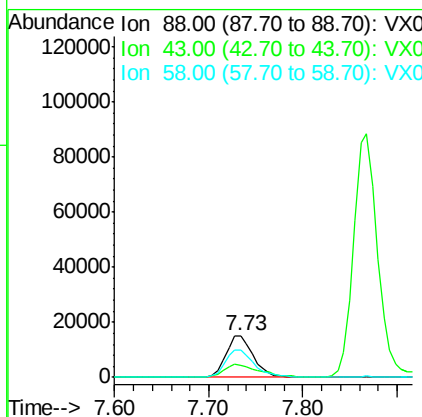
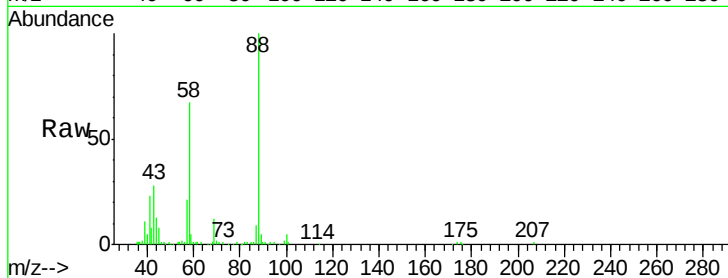
#49
1,4-Dioxane
Concen: 1165.787 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	27.3	40.9
58	70.2	53.9	80.9

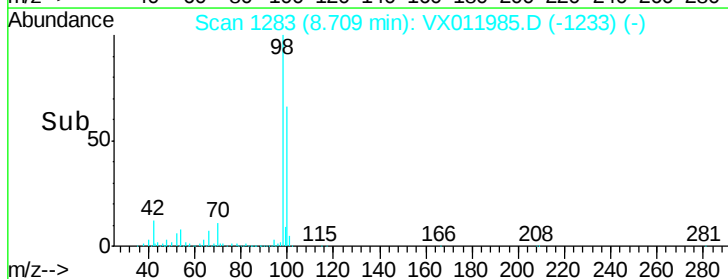
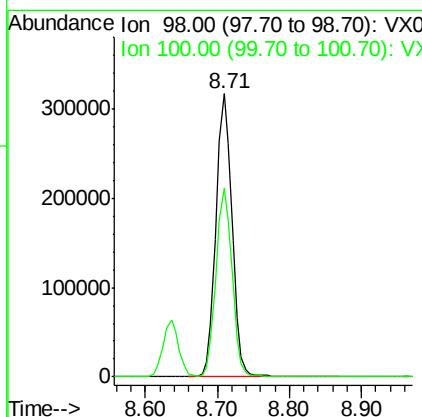
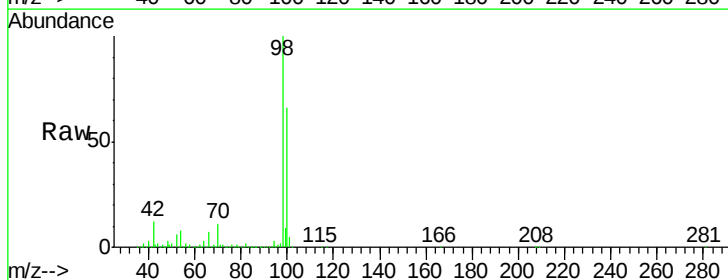
Manual Integrations
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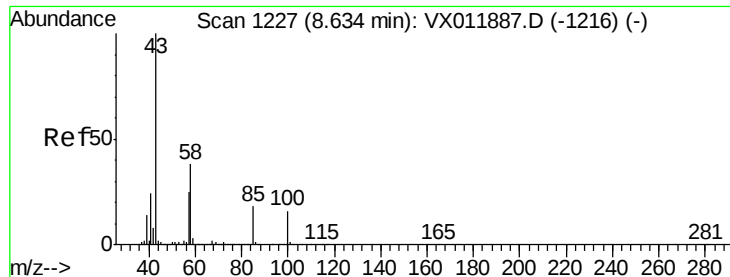
sam
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#50
Toluene-d8
Concen: 52.322 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





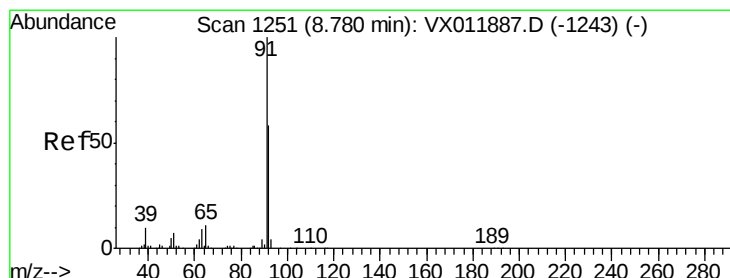
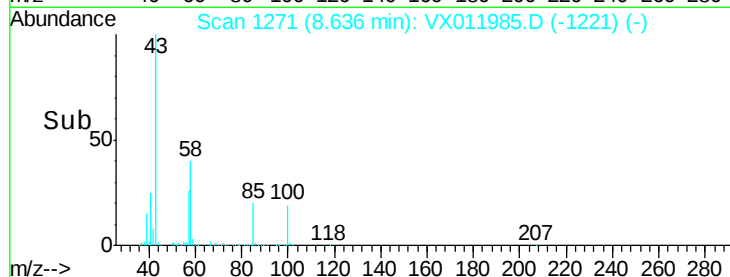
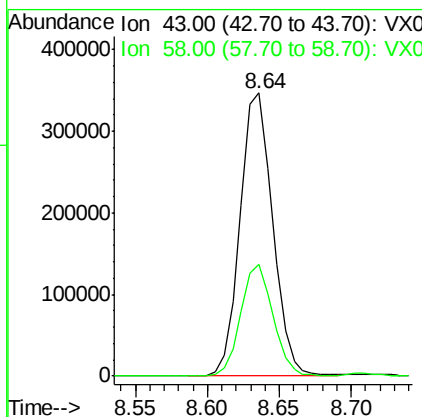
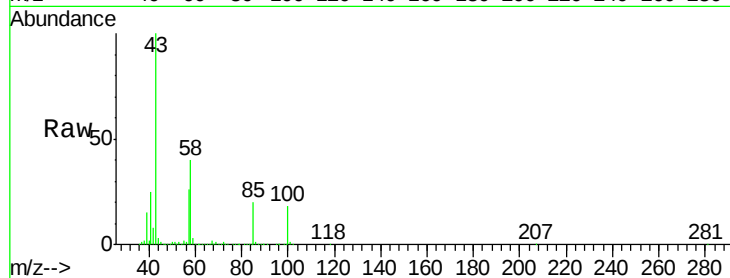
#51
 4-Methyl-2-Pentanone
 Concen: 277.103 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	30.9	46.3

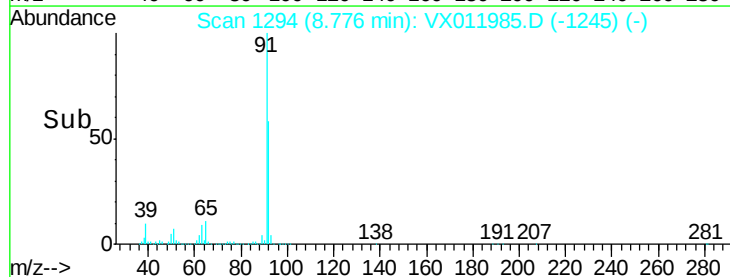
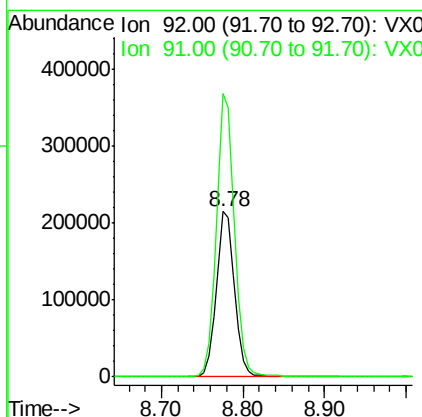
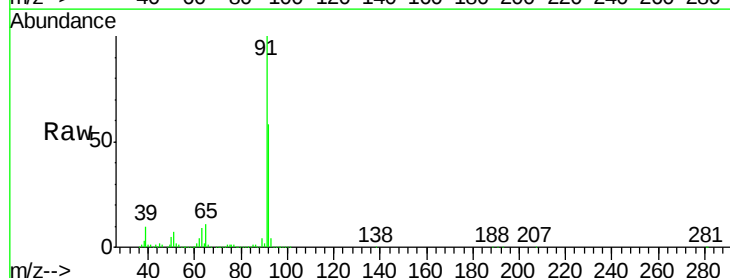
Manual Integrations
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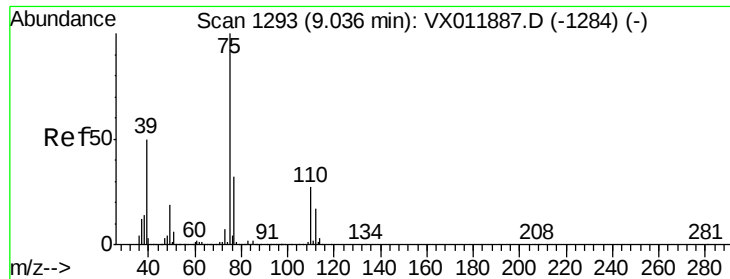
sam
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#52
 Toluene
 Concen: 53.135 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 52.184 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 198872

Ion Ratio Lower Upper

75 100

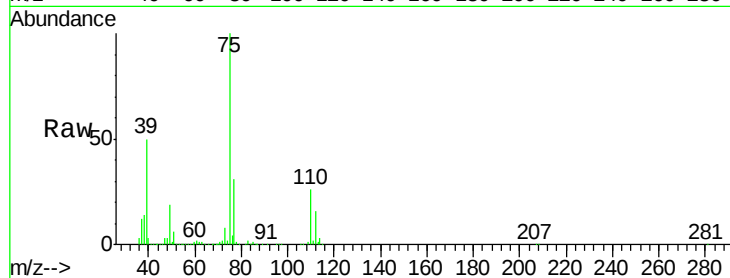
77 31.2 25.6 38.4

Manual Integrations

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sam

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

150000

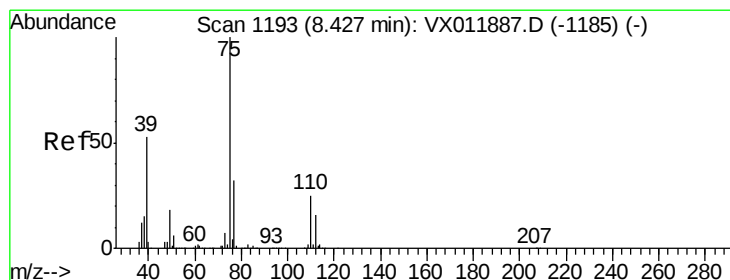
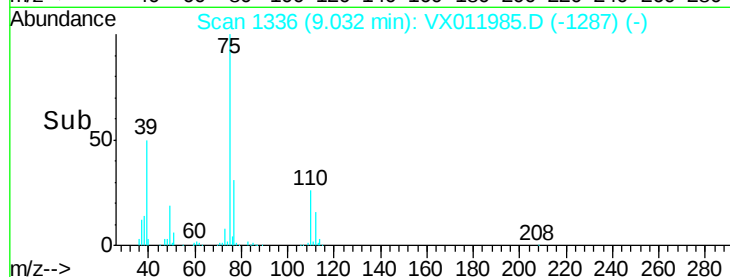
100000

50000

0

8.95 9.00 9.05 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.583 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

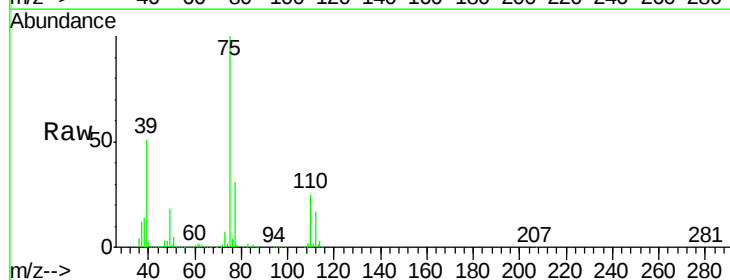
Tgt Ion: 75 Resp: 220674

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 51.2 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150000

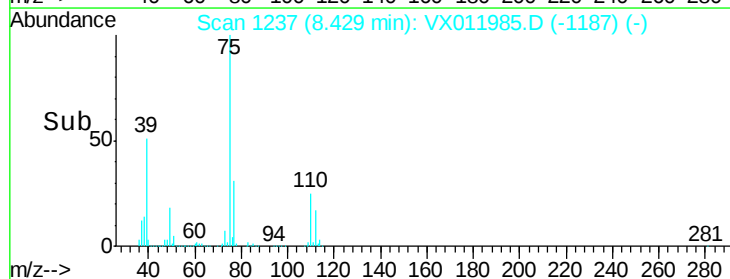
100000

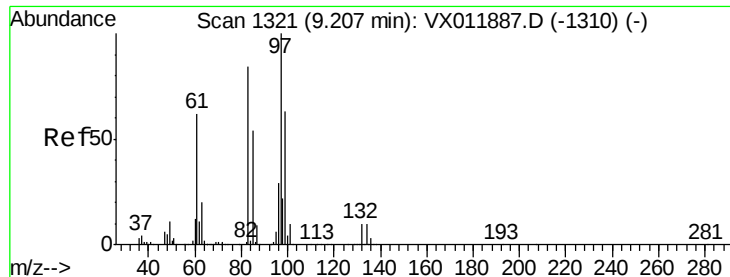
50000

0

8.30 8.40 8.50

Time-->





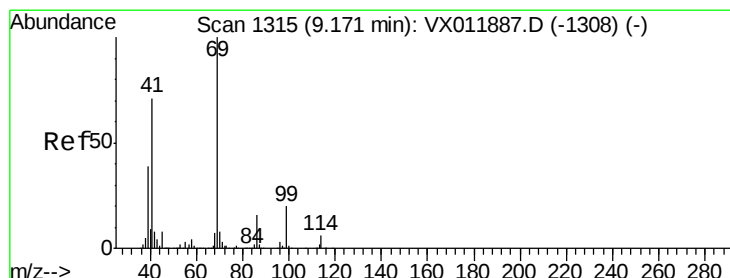
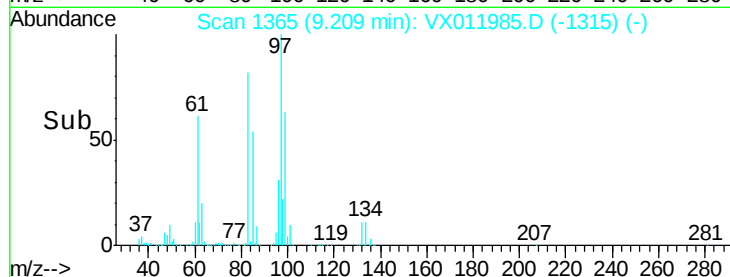
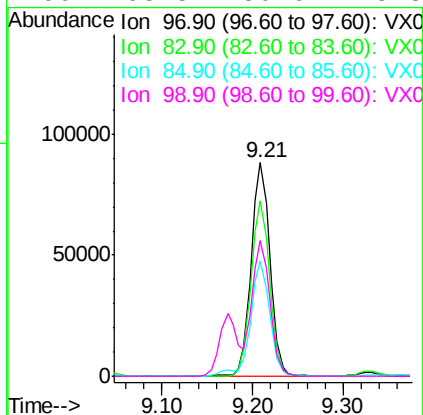
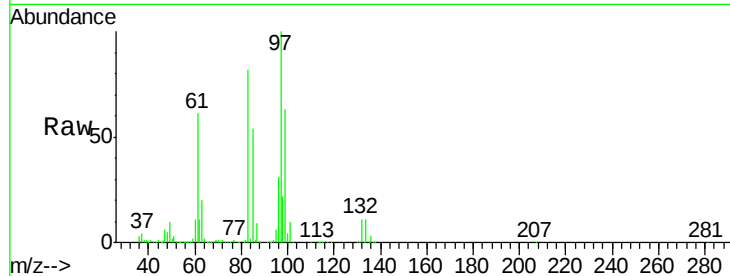
#55
 1,1,2-Trichloroethane
 Concen: 57.970 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		127331		
83	81.9	66.8	100.2		
85	54.1	43.5	65.3		
99	63.5	50.6	75.8		

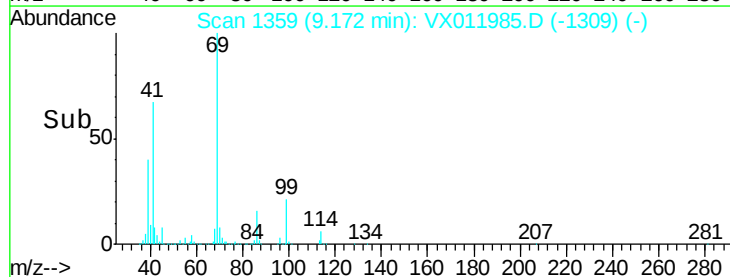
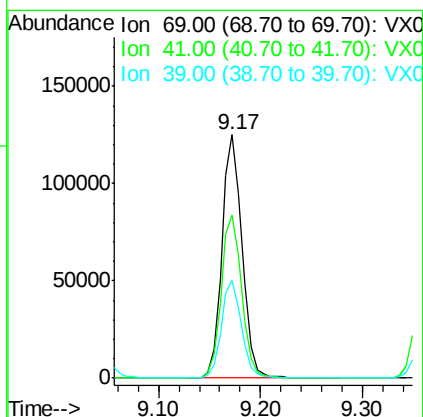
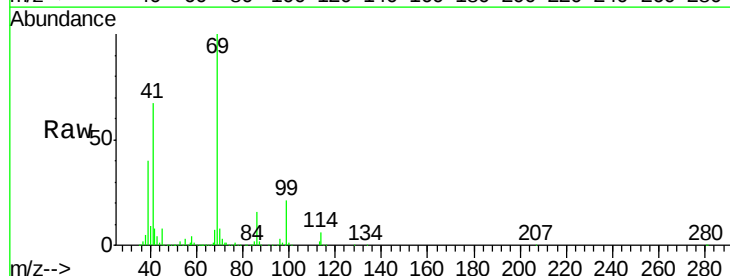
Manual Integrations
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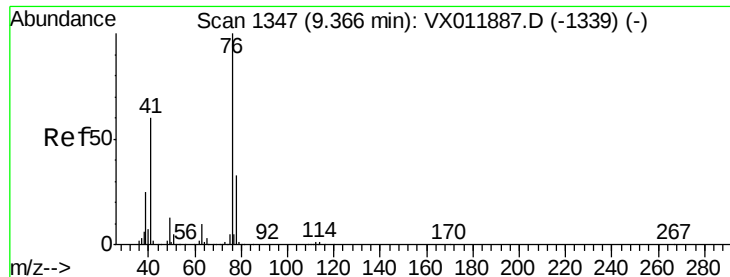
sam
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#56
 Ethyl methacrylate
 Concen: 56.225 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		171402		
41	68.2	55.8	83.8		
39	39.8	31.1	46.7		





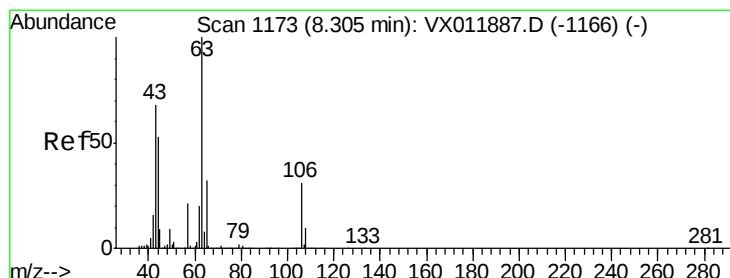
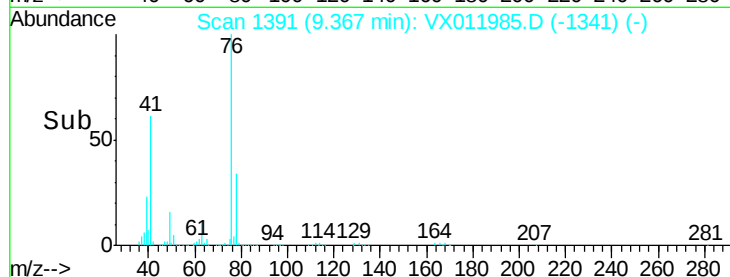
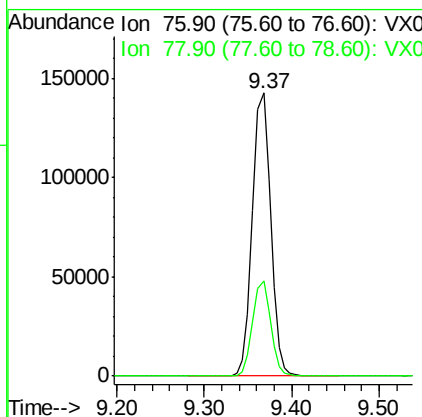
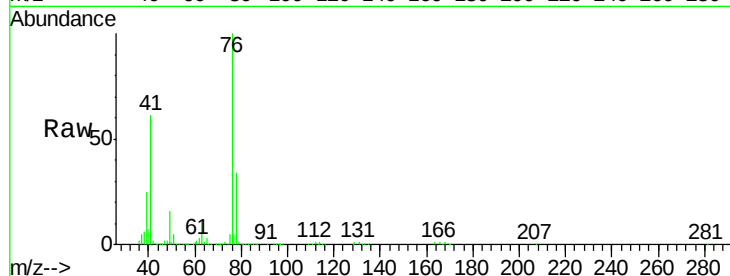
#57
 1,3-Dichloropropane
 Concen: 56.976 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.4	39.6

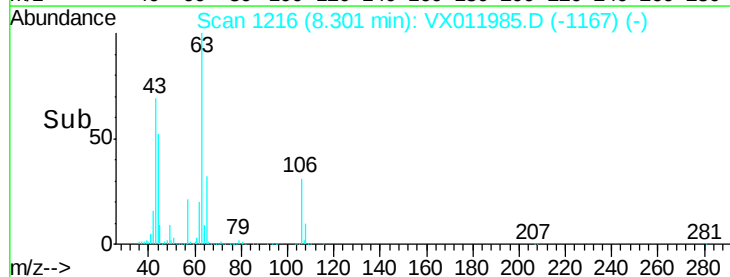
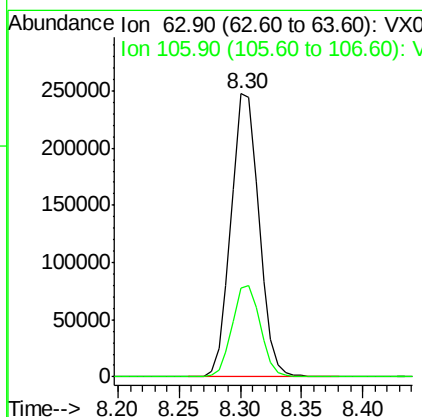
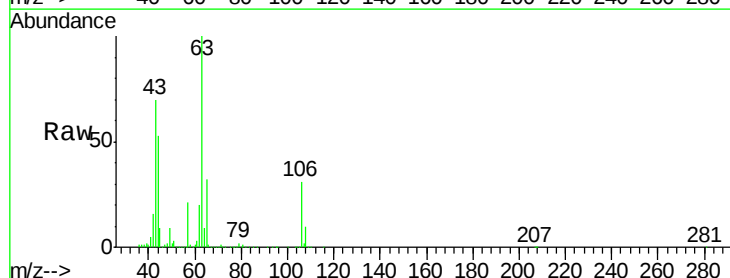
Manual Integrations
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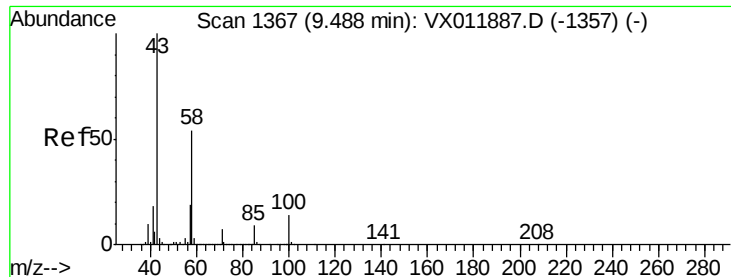
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 270.185 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.5	24.8	37.2





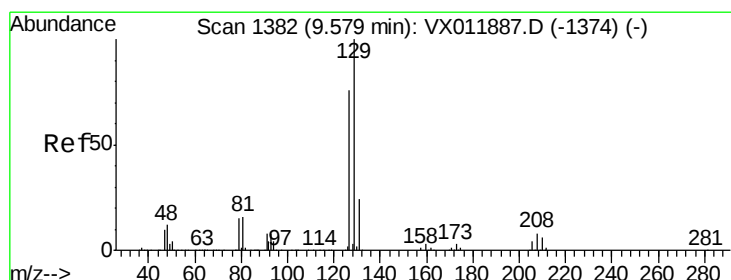
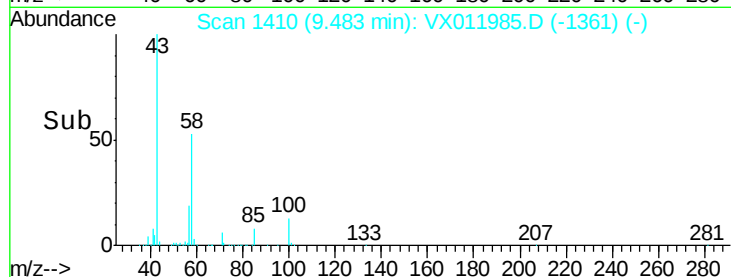
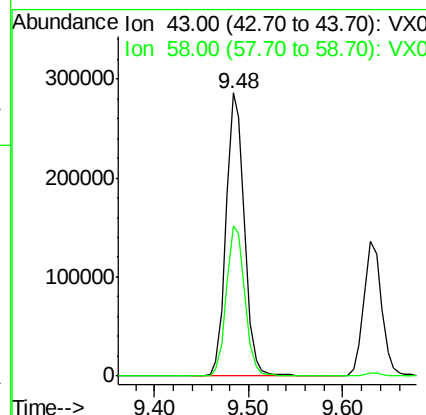
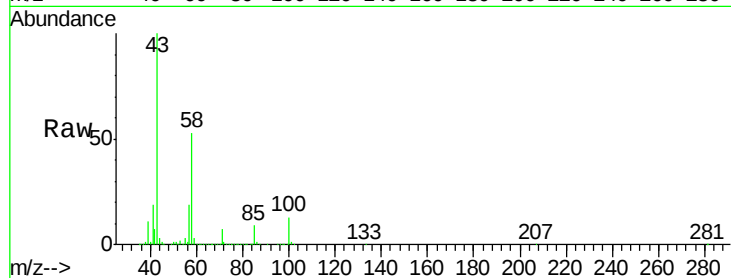
#59
2-Hexanone
Concen: 273.695 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 383785
Ion Ratio Lower Upper
43 100
58 53.8 26.8 80.4

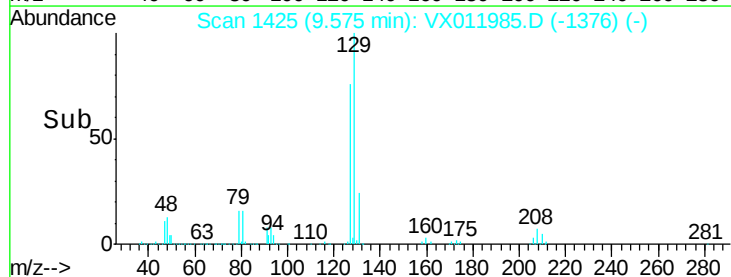
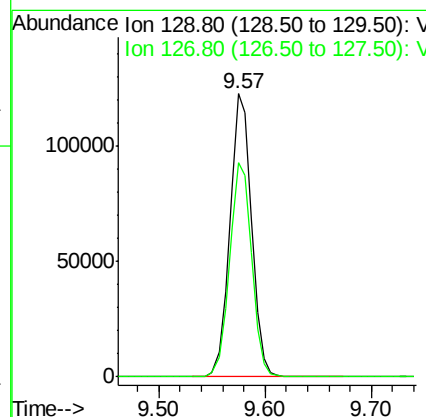
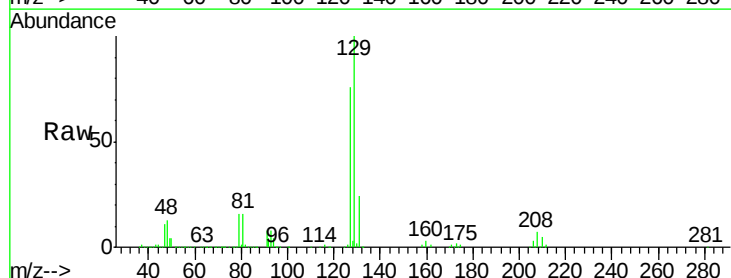
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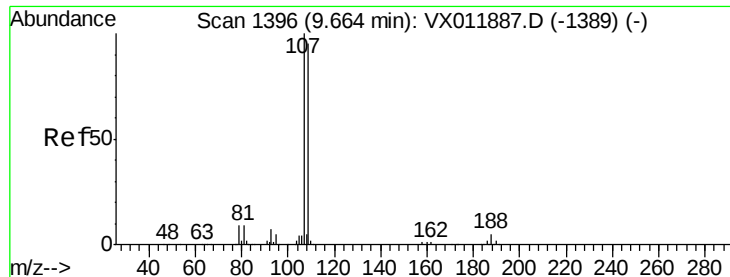
sam
9/3/2019 12:52:55 PM



#60
Dibromochloromethane
Concen: 59.410 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion: 129 Resp: 175264
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7





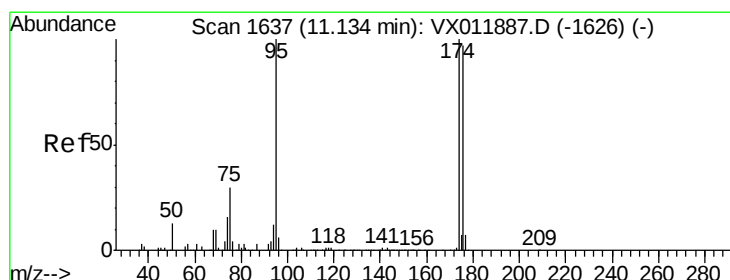
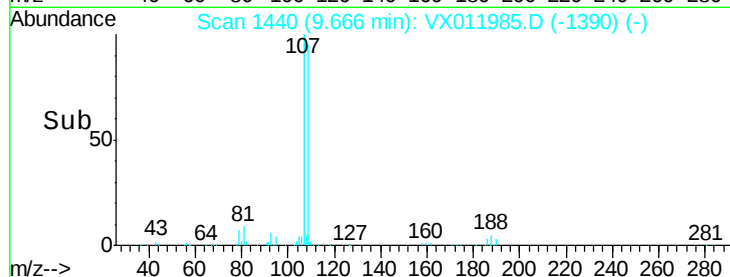
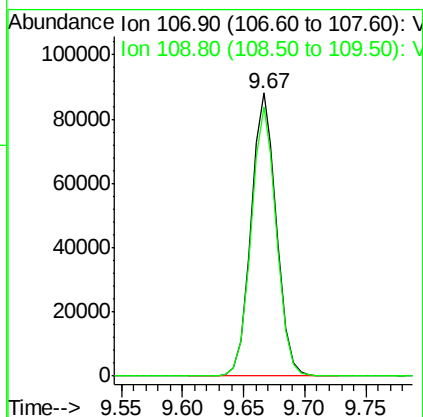
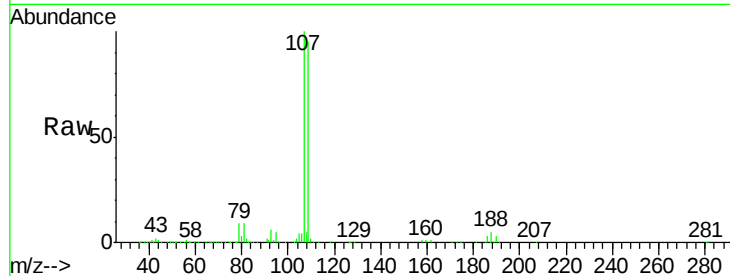
#61
 1,2-Dibromoethane
 Concen: 58.249 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.3	112.9

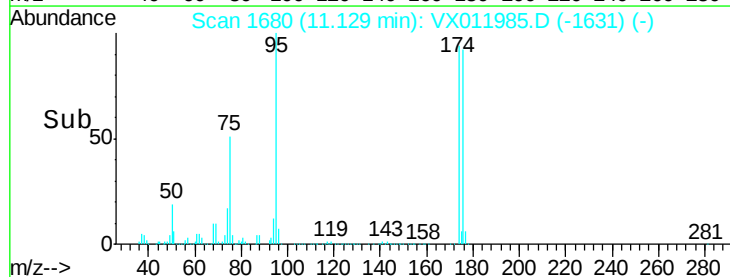
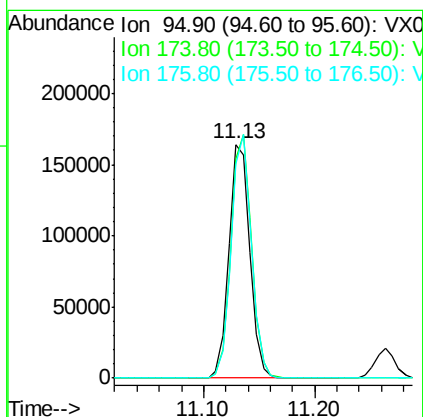
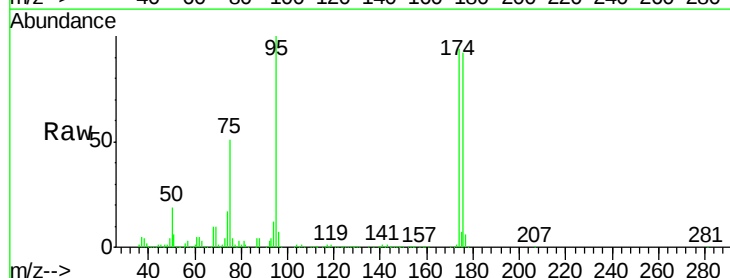
Manual Integrations
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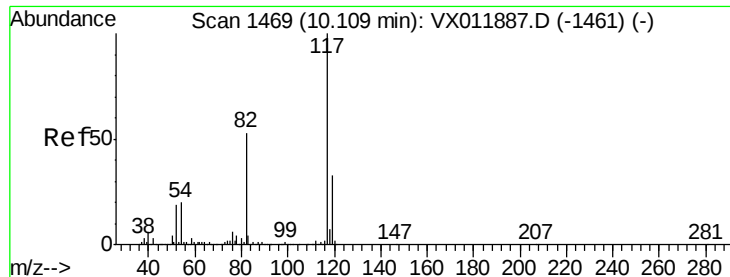
sam
 9/3/2019 12:52:55 PM



#62
 4-Bromofluorobenzene
 Concen: 51.779 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.2	0.0	196.0
176	100.7	0.0	191.4





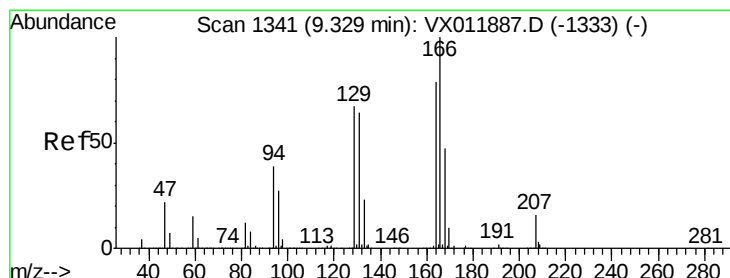
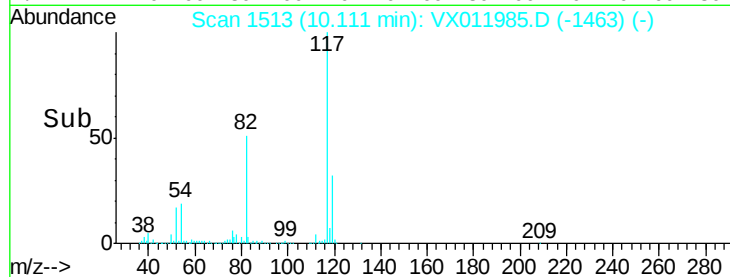
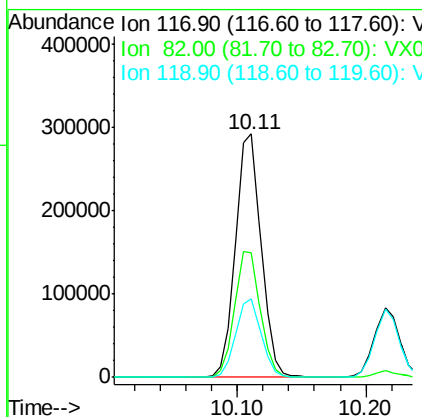
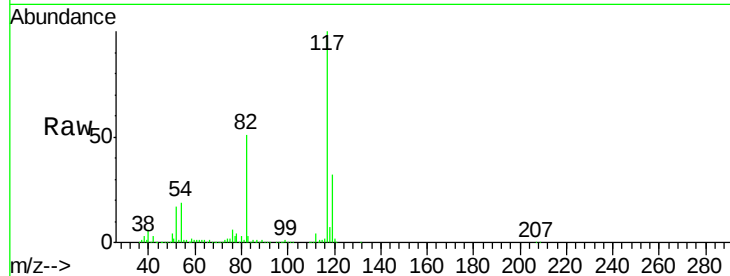
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406308		
82	51.0	42.0	63.0	
119	32.3	26.2	39.4	

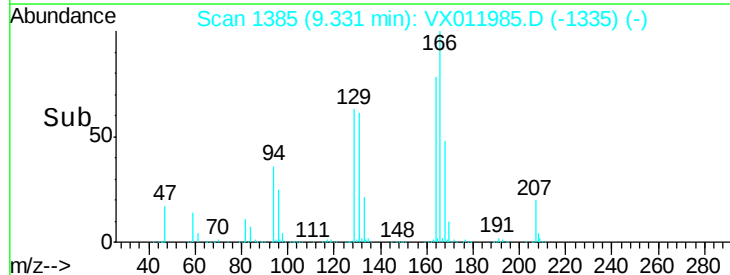
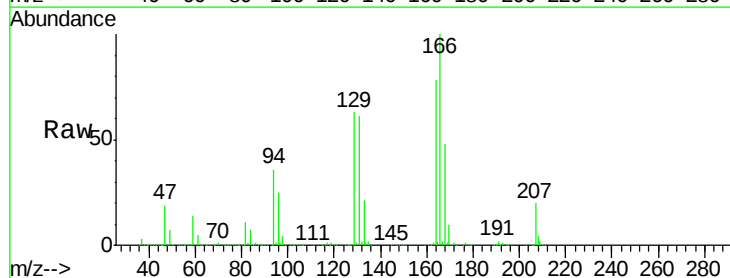
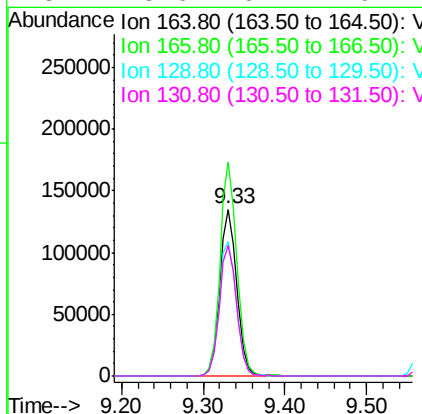
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 59.975 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196019		
166	128.2	101.4	152.0	
129	80.5	68.0	102.0	
131	78.6	64.7	97.1	





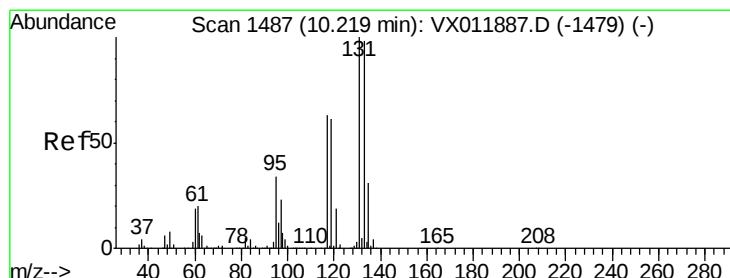
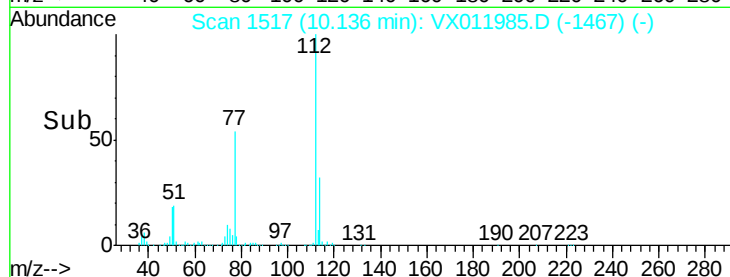
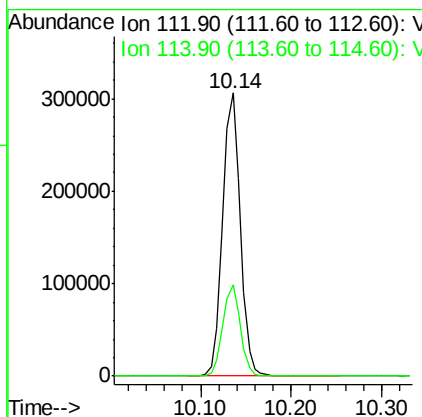
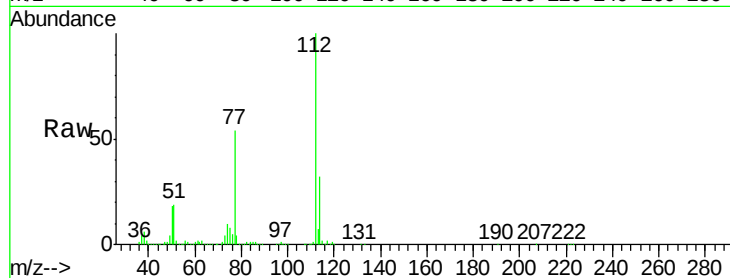
#65
Chlorobenzene
Concen: 52.855 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.9	38.9

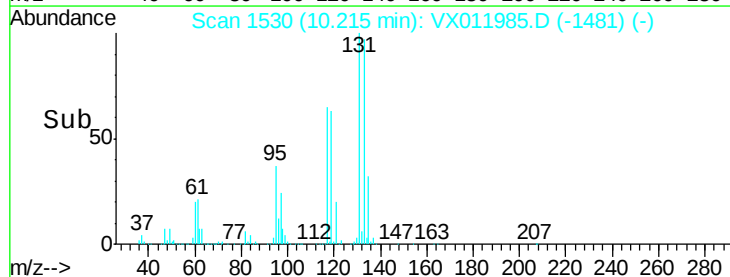
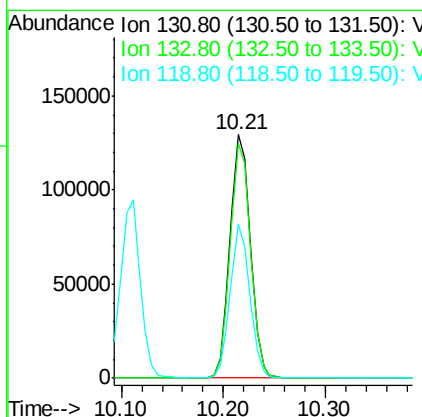
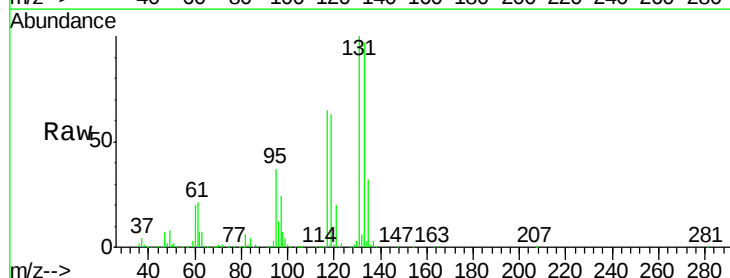
Manual Integrations
APPROVED

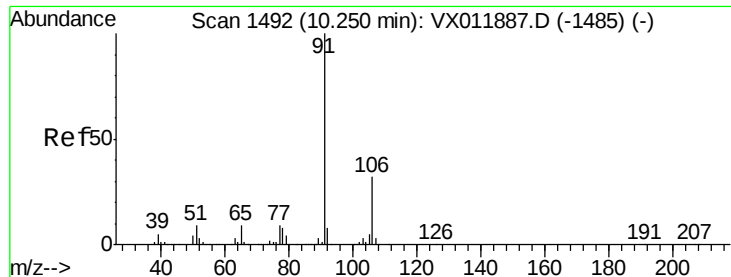
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.860 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.4	145.0
119	60.7	30.6	92.0





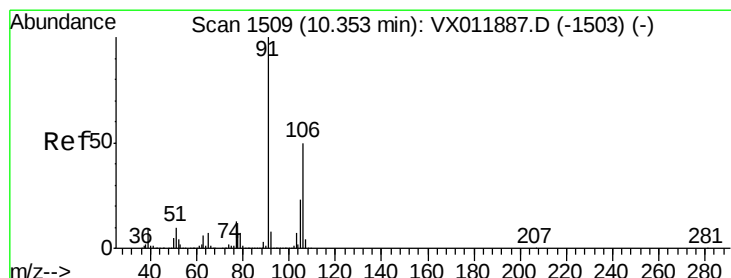
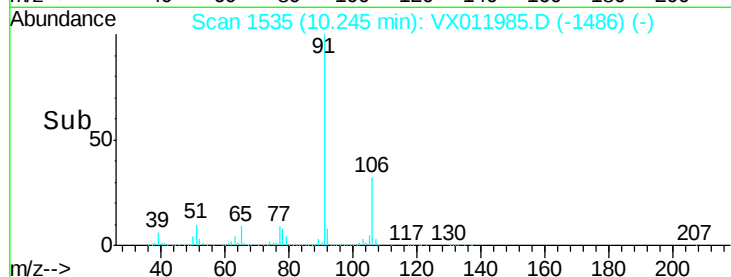
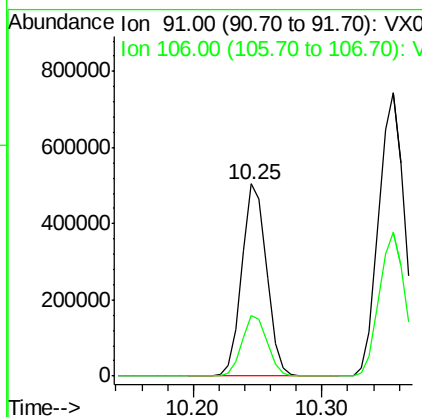
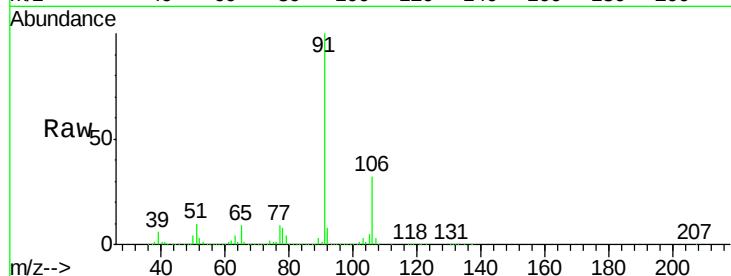
#67
Ethyl Benzene
Concen: 49.968 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 669233
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.8

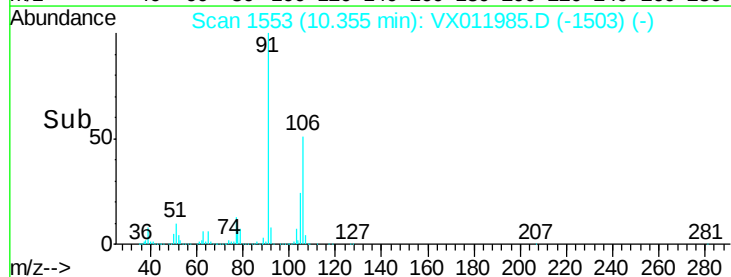
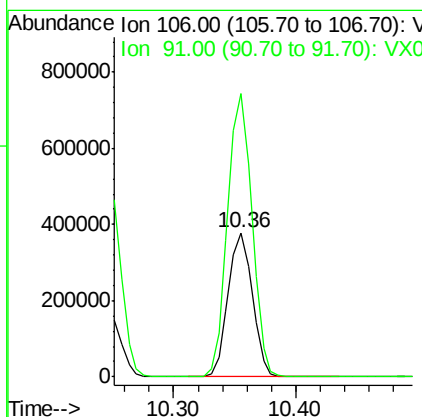
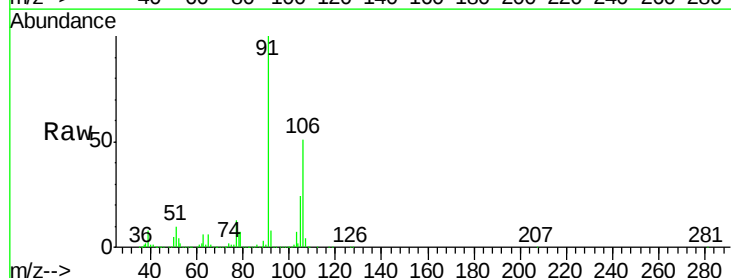
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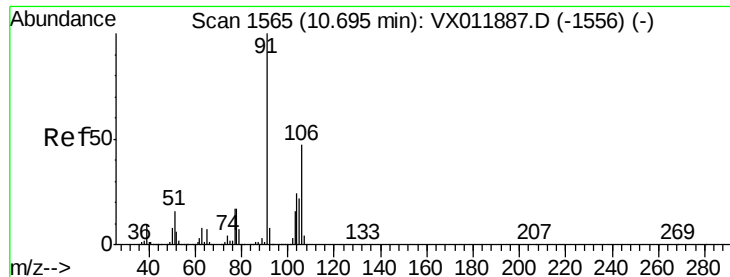
sam
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#68
m/p-Xylenes
Concen: 100.521 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion: 106 Resp: 519849
Ion Ratio Lower Upper
106 100
91 197.7 158.6 237.8





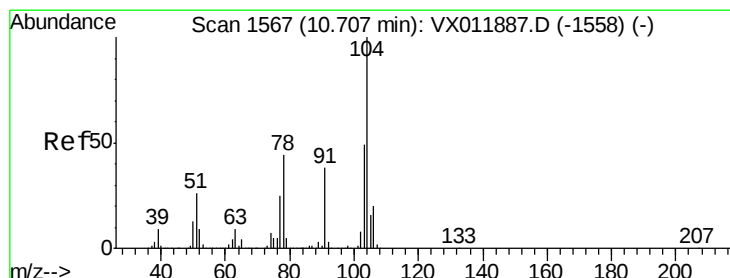
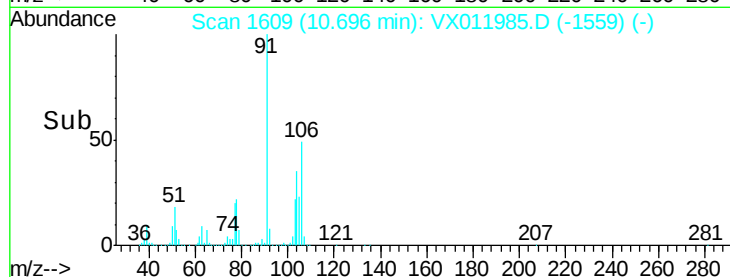
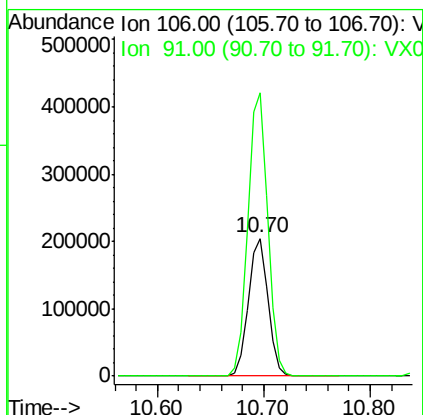
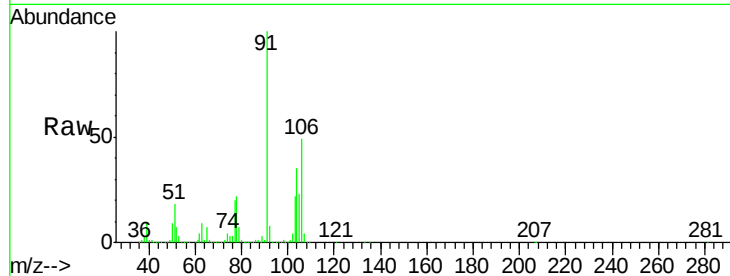
#69
o-Xylene
Concen: 52.764 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		265906		
91	207.6	104.8	314.6		

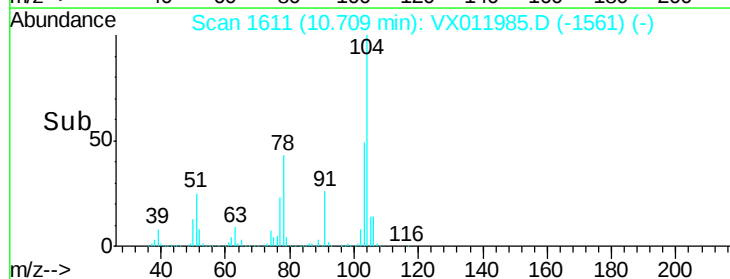
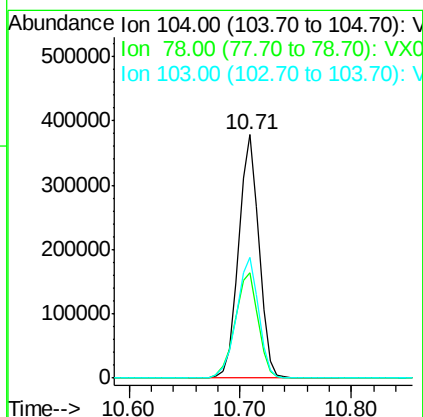
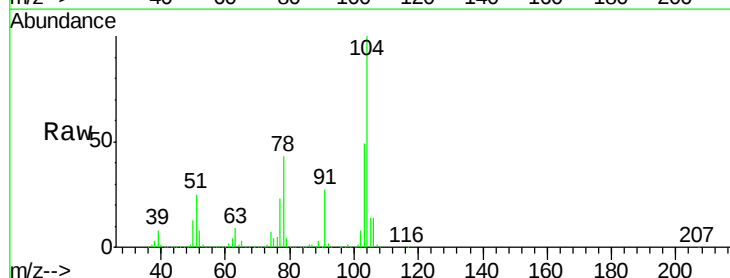
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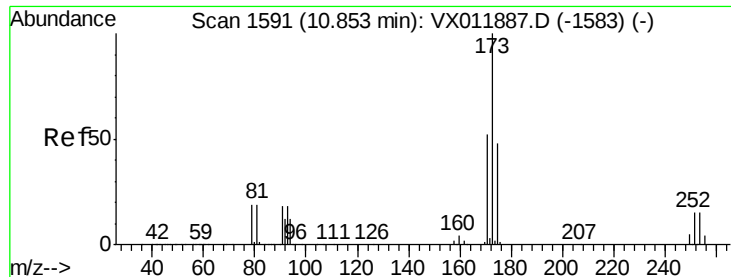
sam
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#70
Styrene
Concen: 53.779 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		477704		
78	49.0	39.2	58.8		
103	54.0	43.0	64.6		





#71

Bromoform

Concen: 56.599 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 127428

Ion Ratio Lower Upper

173 100

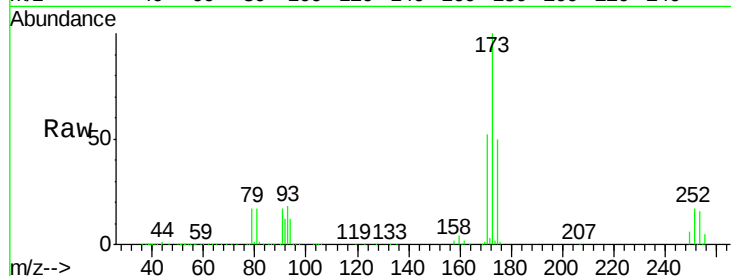
175 49.1 24.4 73.2

254 0.2 0.1 0.1#

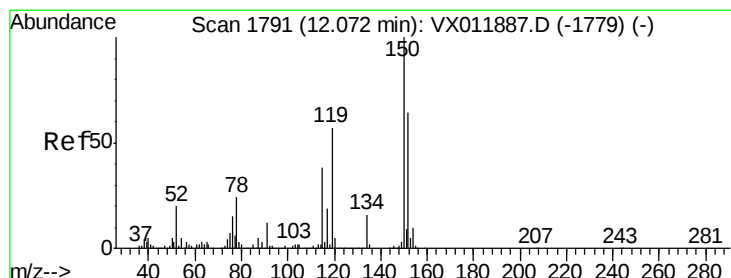
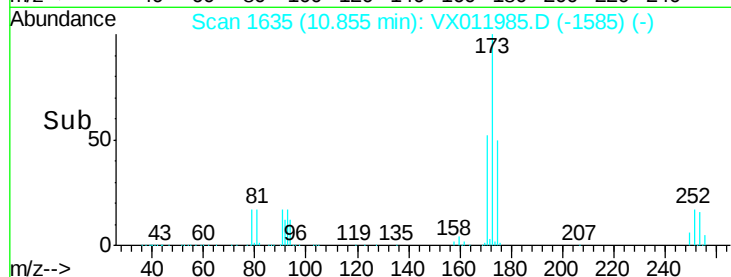
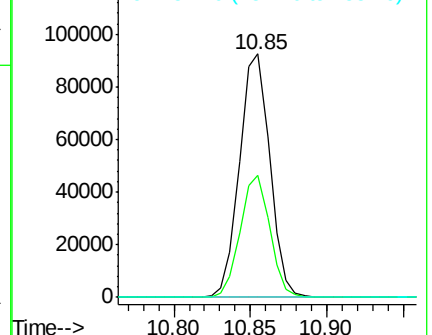
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

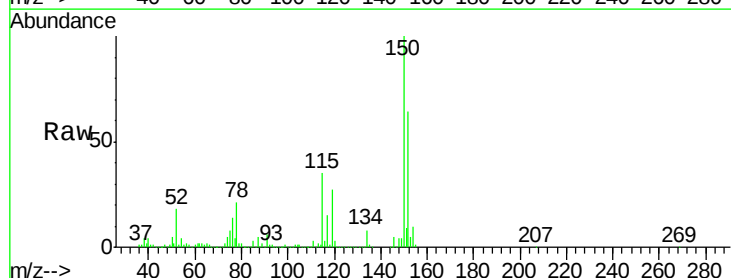
Tgt Ion:152 Resp: 243061

Ion Ratio Lower Upper

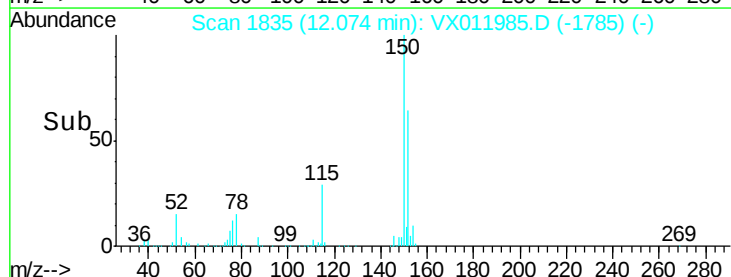
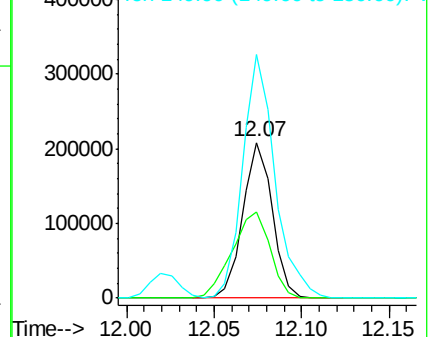
152 100

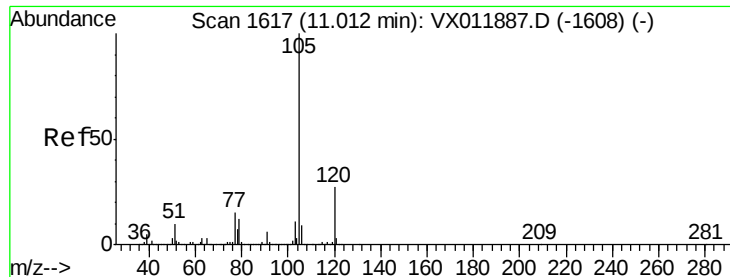
115 71.7 37.1 111.3

150 172.0 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: 48.360 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 675387

Ion Ratio Lower Upper

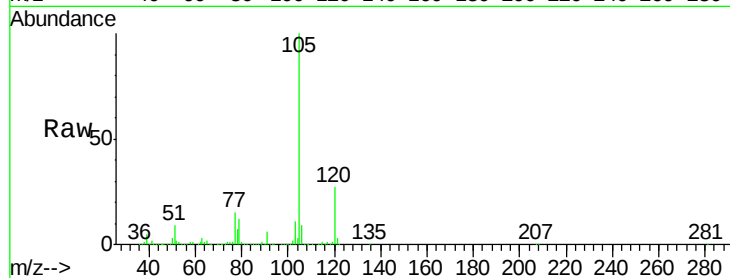
105 100

120 27.6 13.8 41.4

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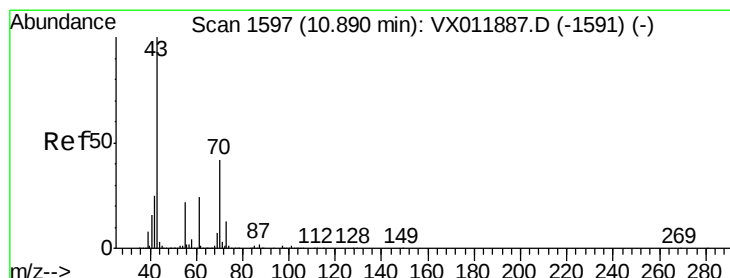
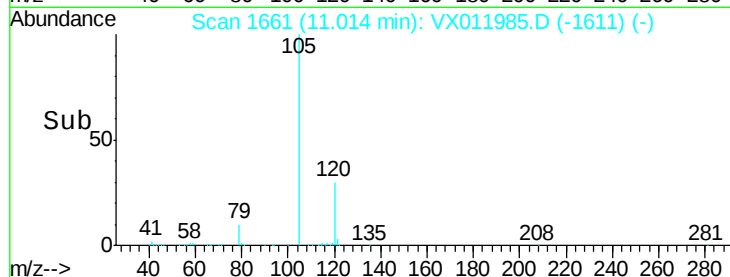
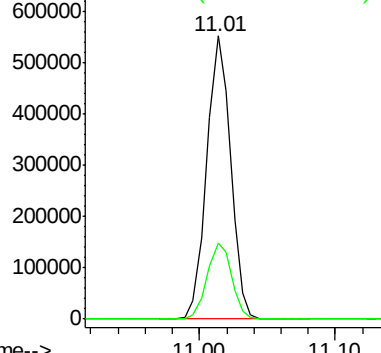
sam

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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: 43.048 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Tgt Ion: 43 Resp: 178413

Ion Ratio Lower Upper

43 100

70 42.9 0.2 0.2#

55 23.1 0.1 0.1#

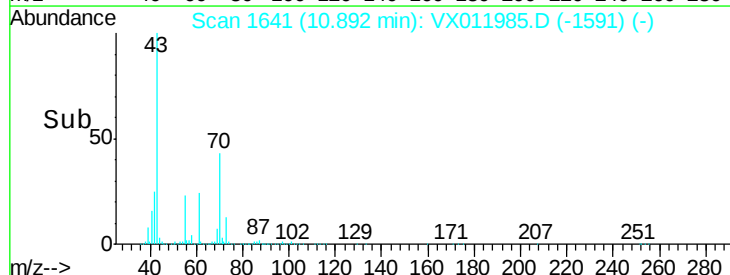
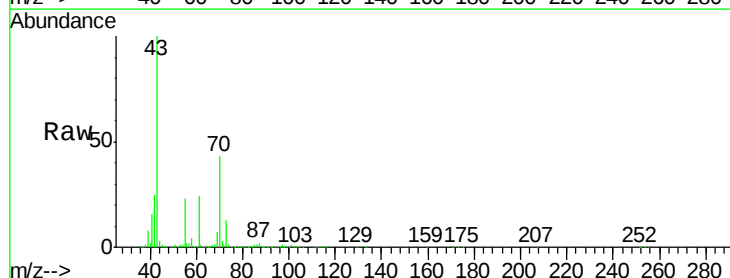
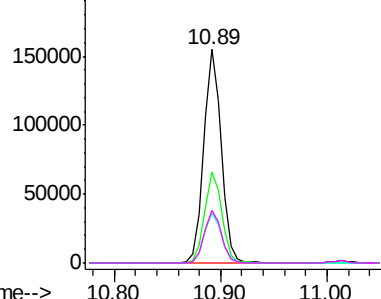
61 24.4 16.4 24.6

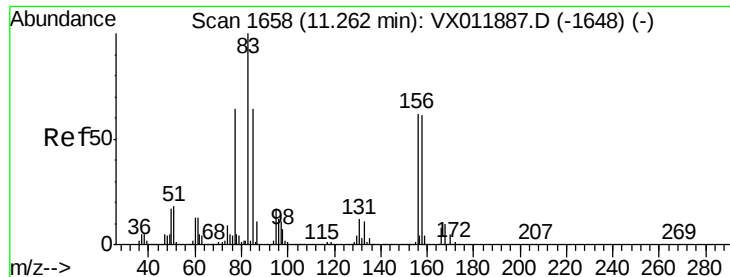
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 52.122 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

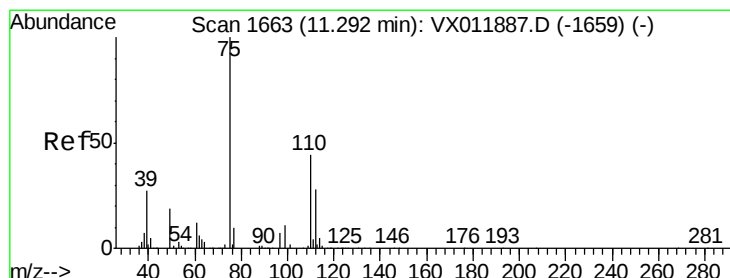
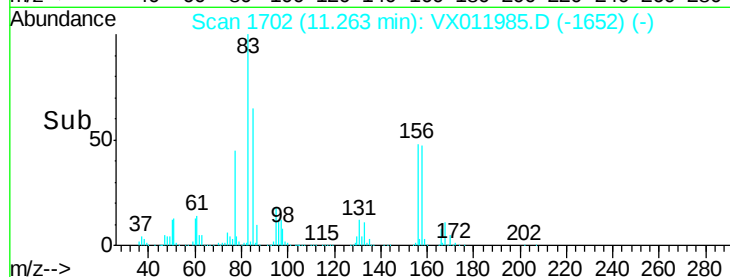
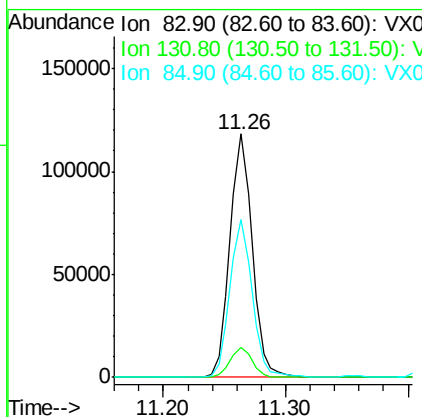
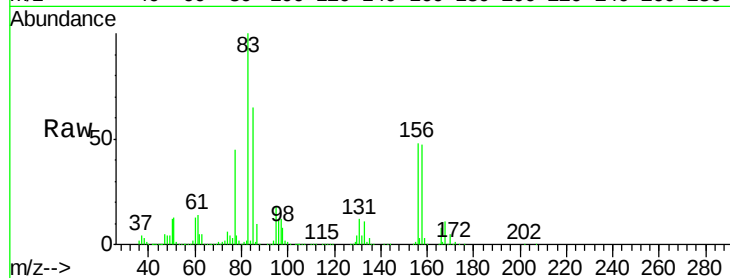
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	148975
Ion Ratio	Lower	Upper	
83	100		
131	12.4	6.0	18.0
85	65.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.524 ug/l m

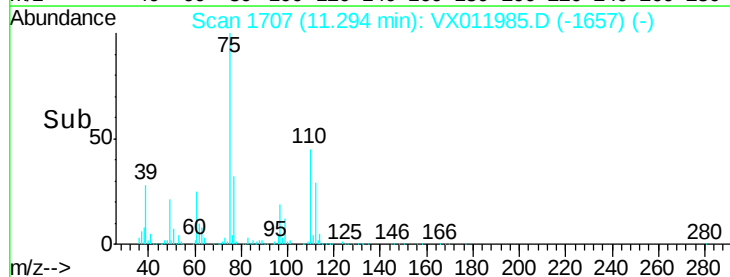
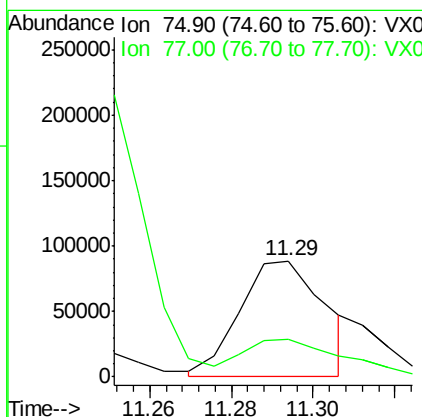
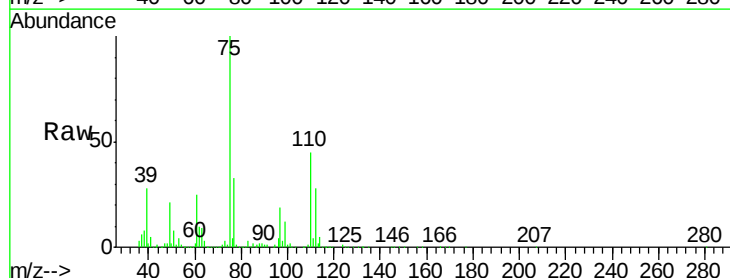
RT: 11.29 min Scan# 1707

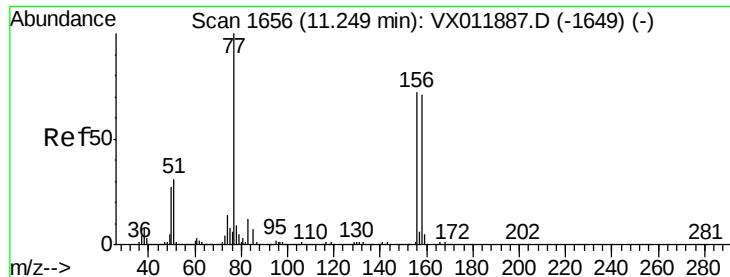
Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Tgt Ion:	75	Resp:	127976
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.9	62.7





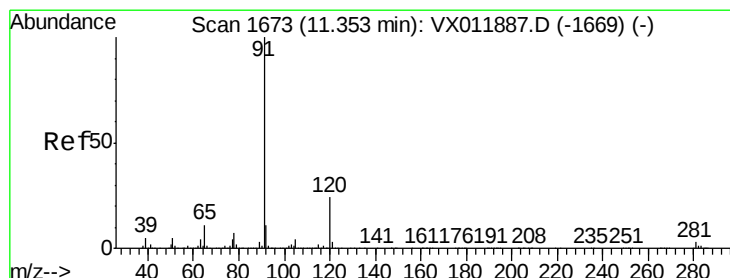
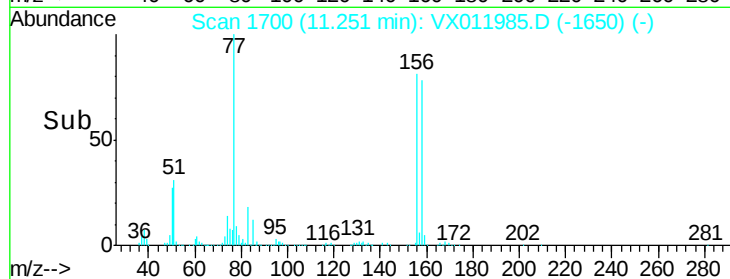
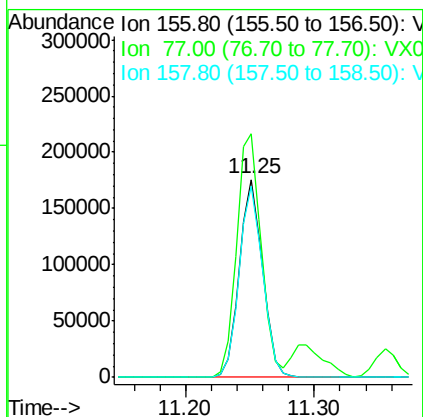
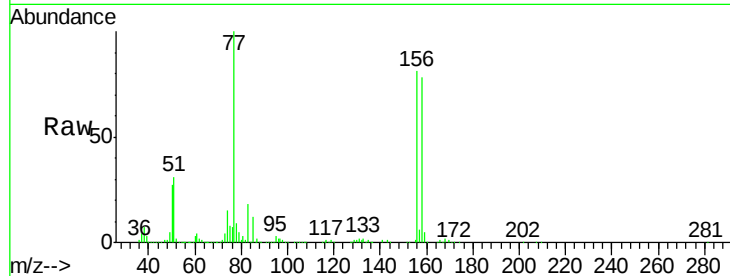
#77
Bromobenzene
Concen: 54.151 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.8	68.1	204.3
158	97.6	48.9	146.8

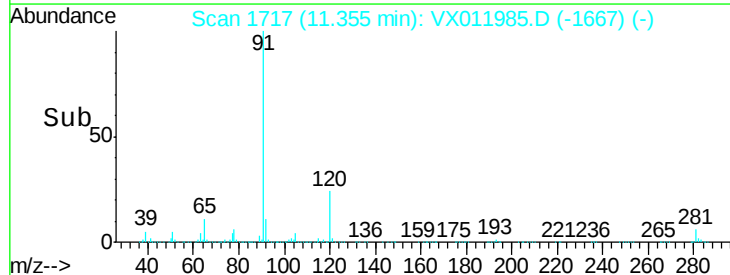
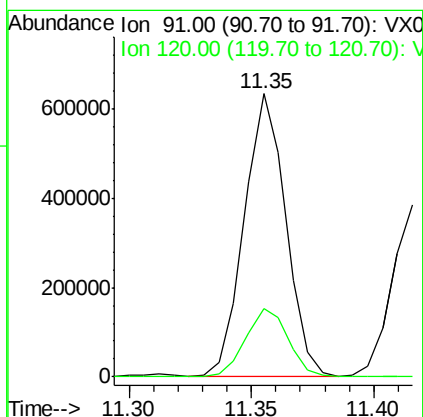
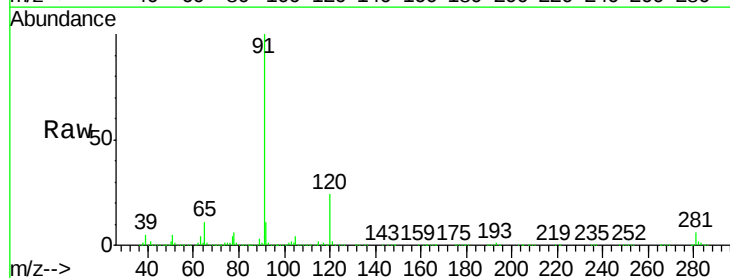
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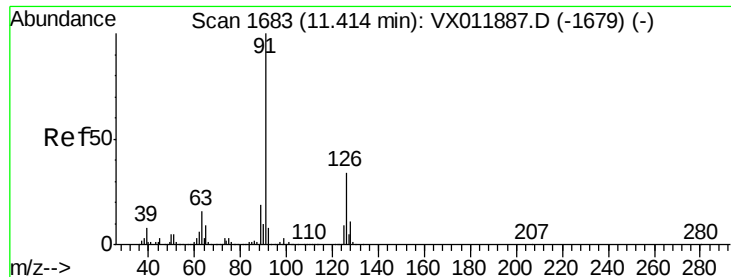
sam
9/3/2019 12:52:55 PM



#78
n-propylbenzene
Concen: 47.123 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 50.408 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 480511

Ion Ratio Lower Upper

91 100

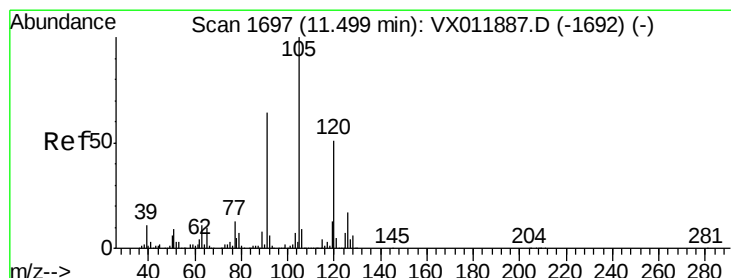
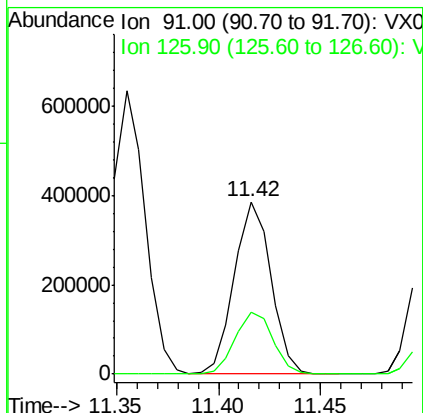
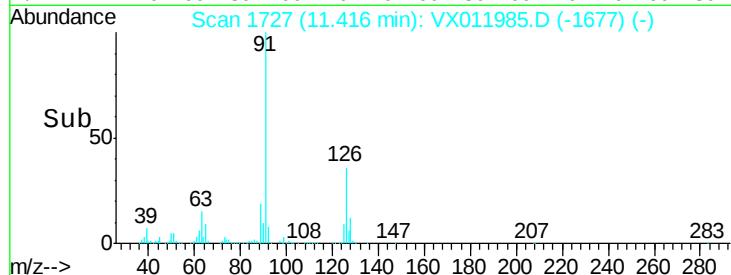
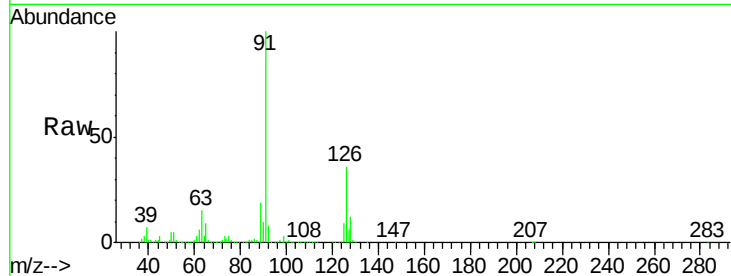
126 37.1 17.9 53.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.266 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011985.D

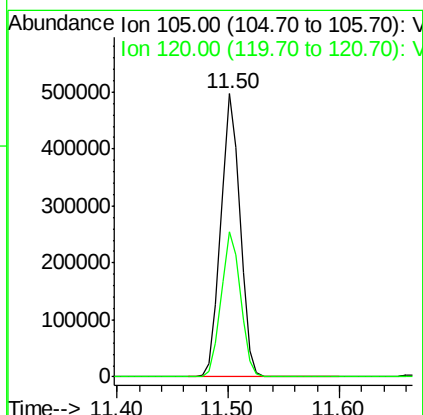
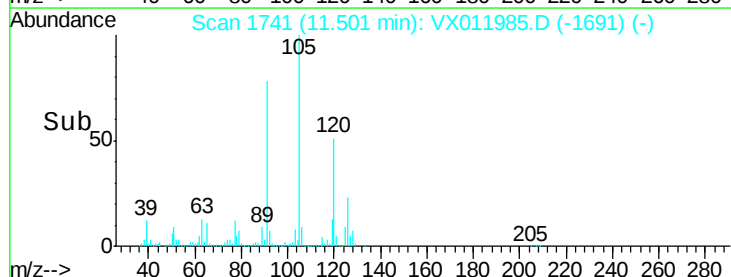
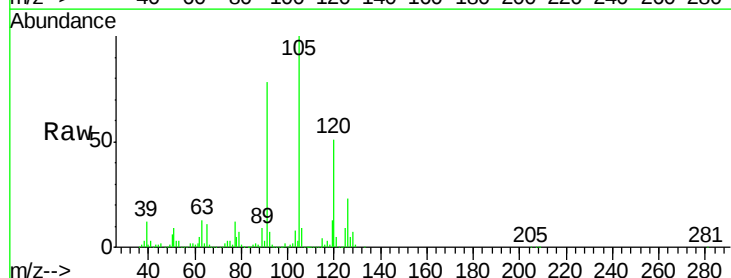
Acq: 01 Sep 2019 08:12

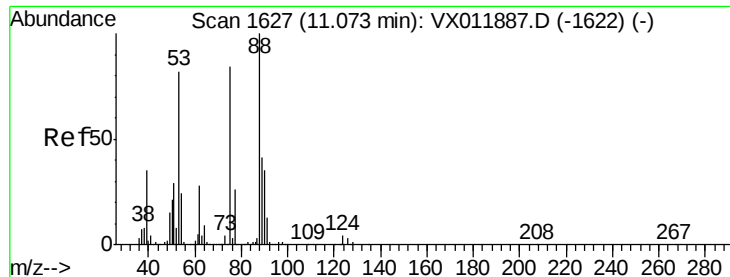
Tgt Ion: 105 Resp: 593884

Ion Ratio Lower Upper

105 100

120 51.6 25.3 75.9





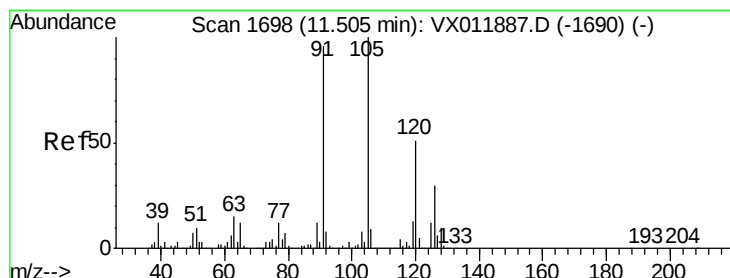
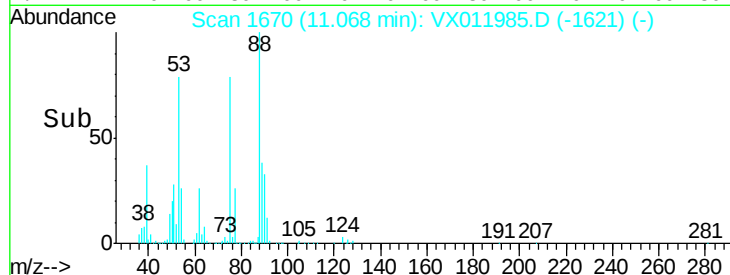
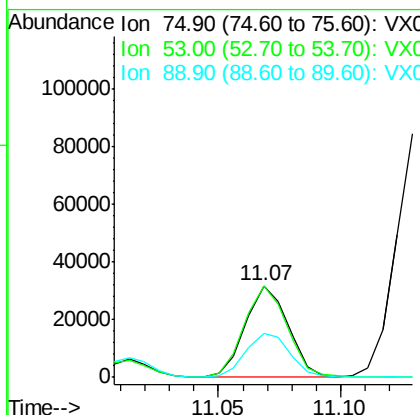
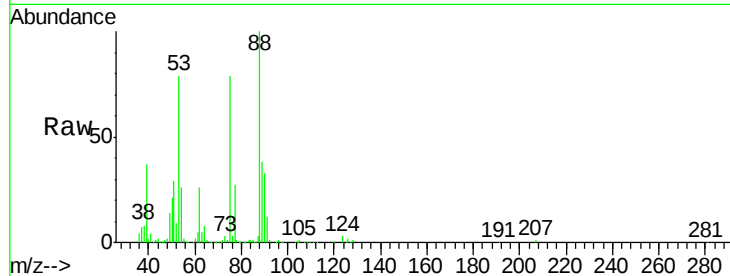
#81
trans-1,4-Dichloro-2-butene
Concen: 40.696 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	77.1	115.7
89	50.4	38.2	57.2

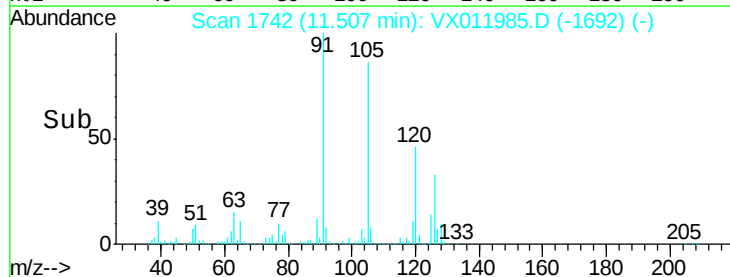
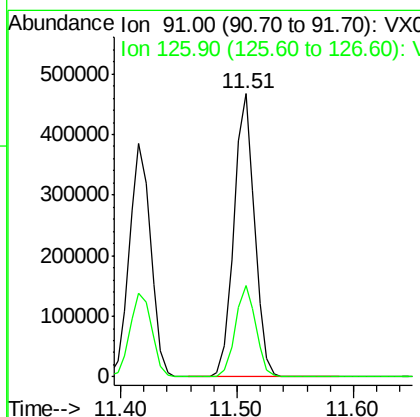
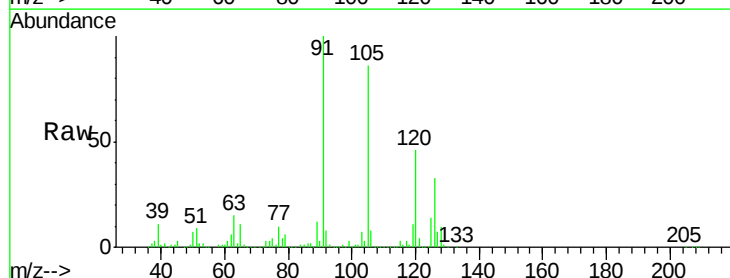
Manual Integrations
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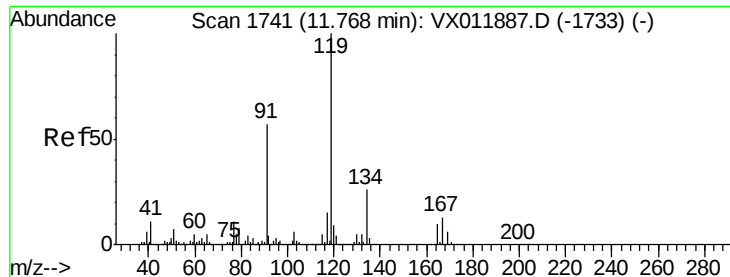
sam
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#82
4-Chlorotoluene
Concen: 50.280 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.6





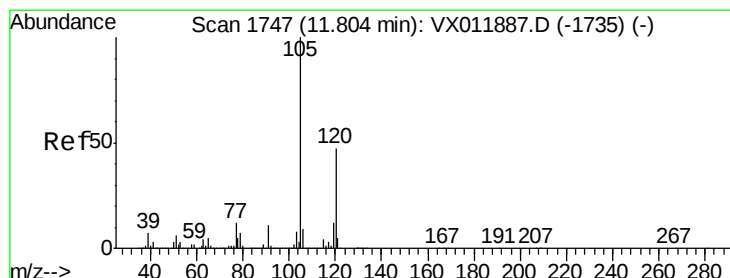
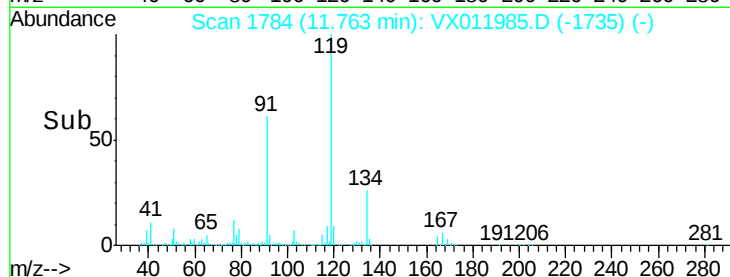
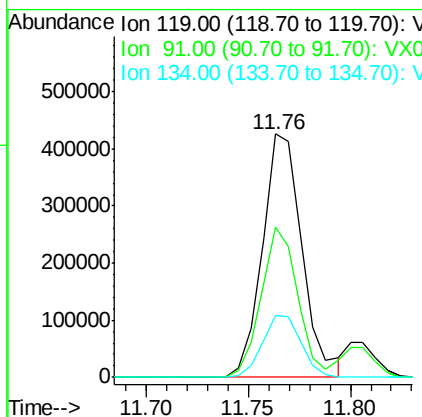
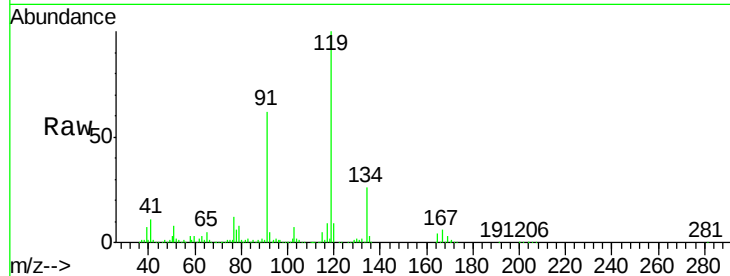
#83
 tert-Butylbenzene
 Concen: 47.259 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	27.9	83.6
134	24.9	12.3	36.8

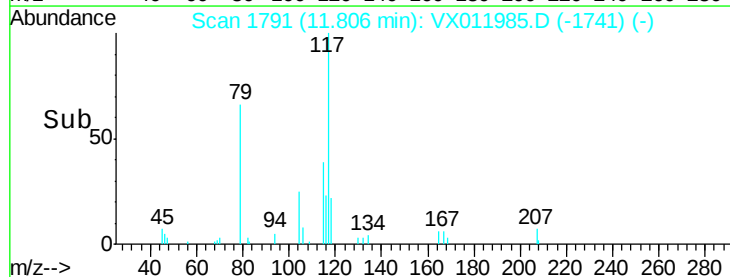
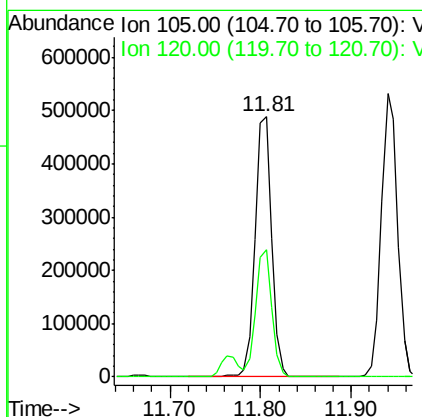
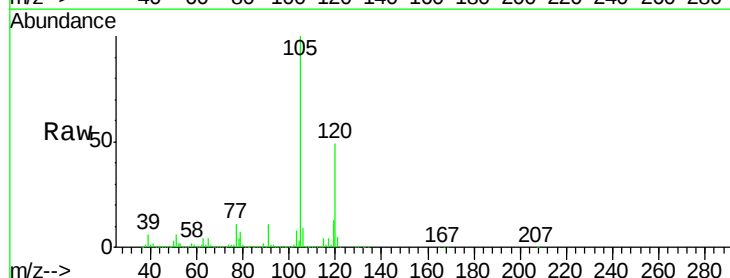
Manual Integrations
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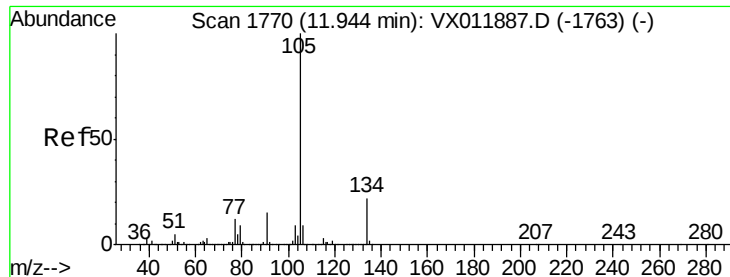
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.888 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 46.324 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 658135

Ion Ratio Lower Upper

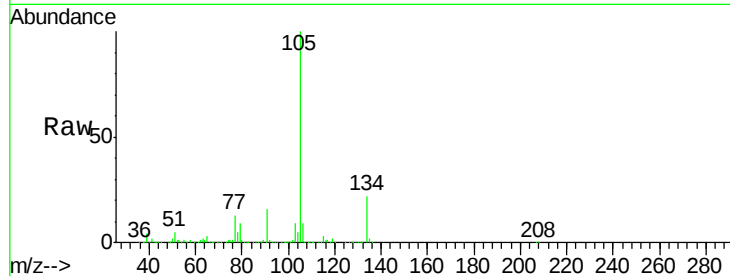
105 100

134 22.2 10.9 32.7

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

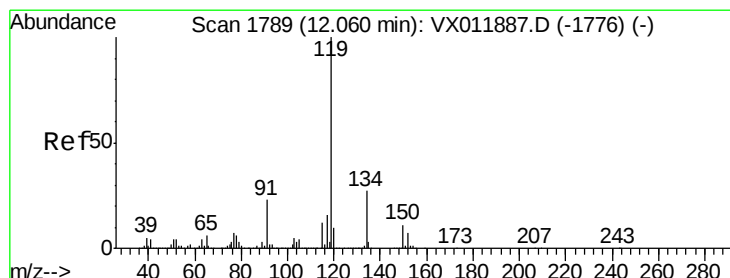
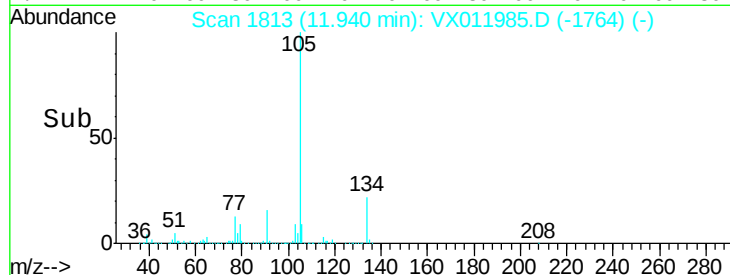
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 44.347 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011985.D

Acq: 01 Sep 2019 08:12

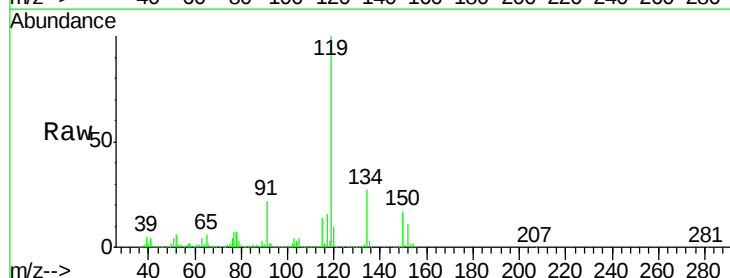
Tgt Ion:119 Resp: 610932

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 22.5 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): V

12.06

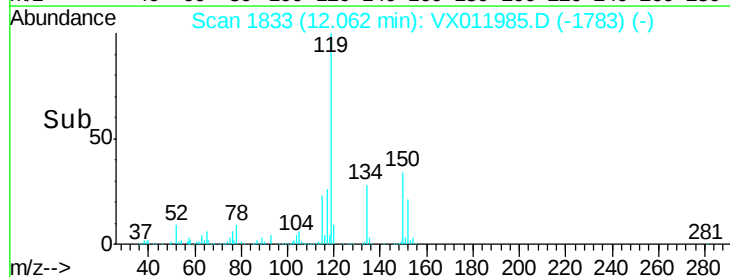
600000

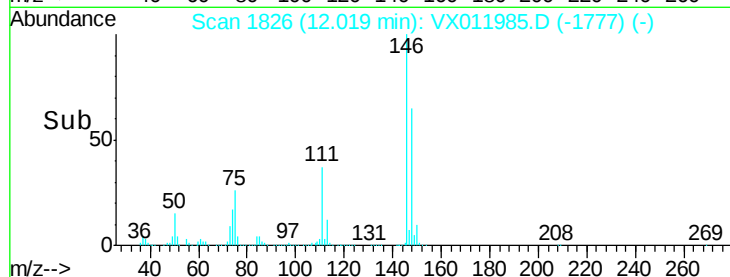
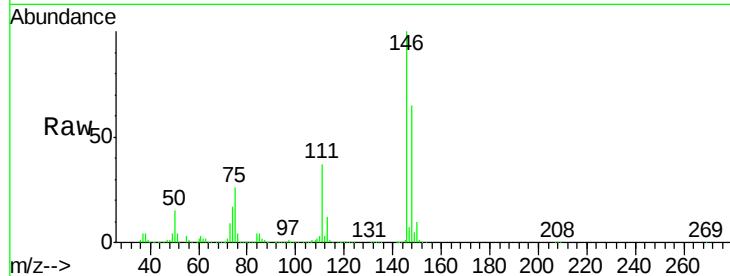
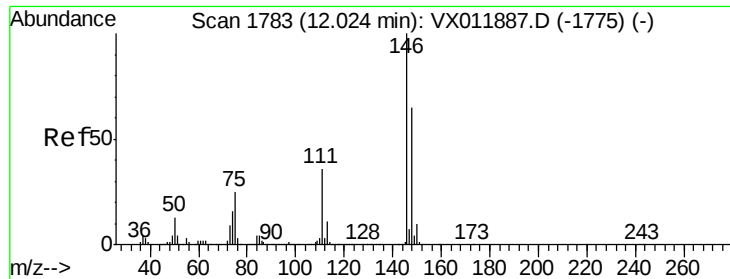
400000

200000

0

Time-->





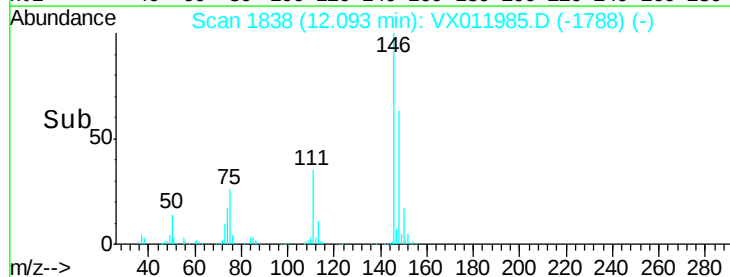
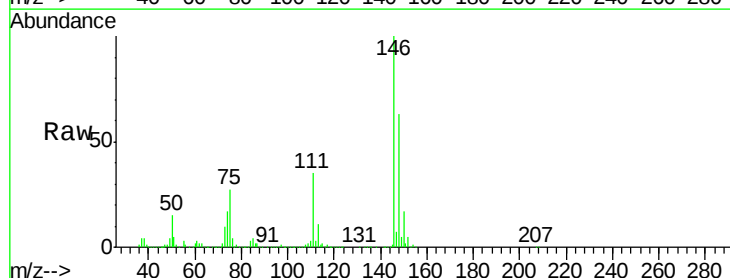
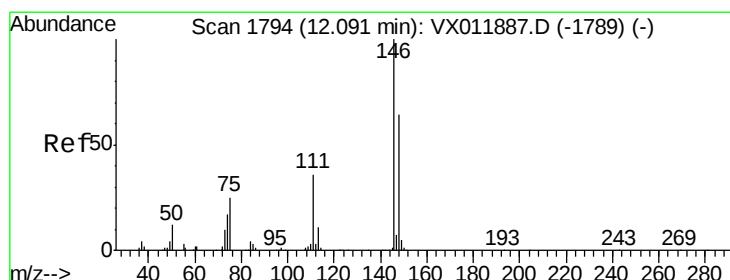
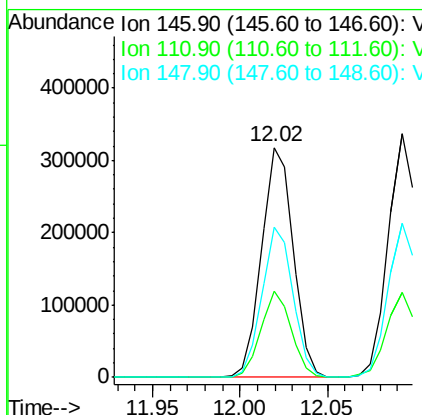
#87
 1,3-Dichlorobenzene
 Concen: 53.058 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.2
148	64.2	32.1	96.5

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

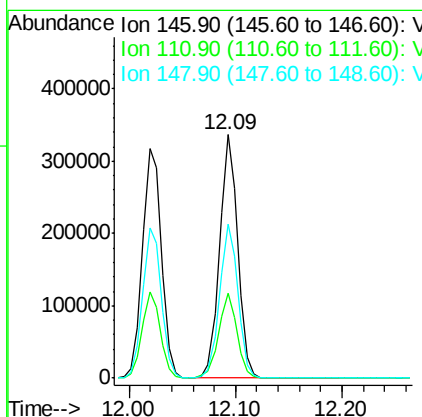
Manual Integrations
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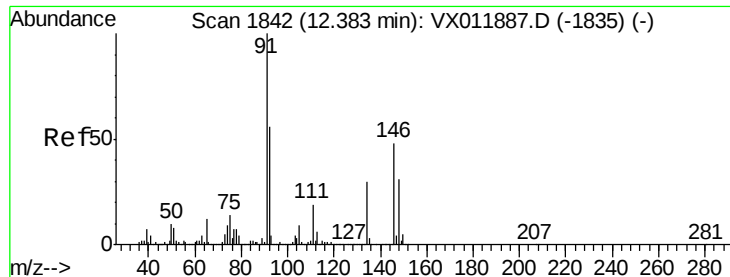
sam
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#88
 1,4-Dichlorobenzene
 Concen: 52.382 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.9	53.7
148	64.2	32.4	97.0





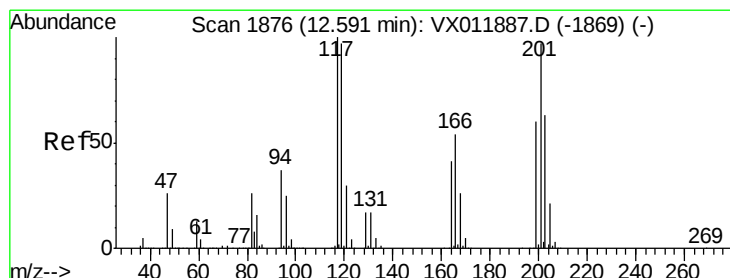
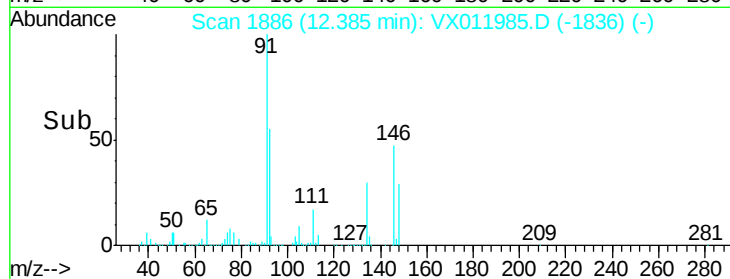
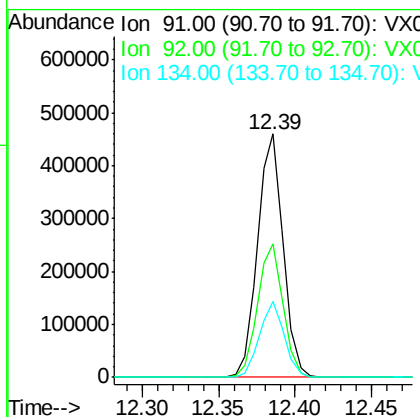
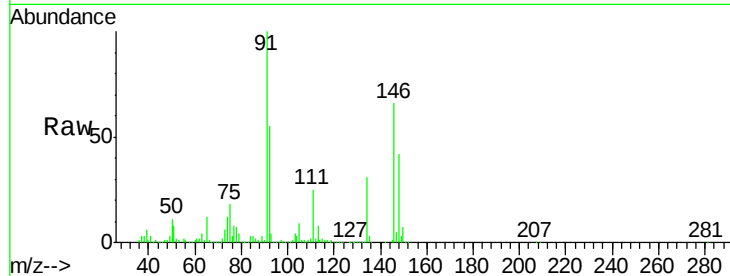
#89
n-Butylbenzene
Concen: 43.838 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	30.4	14.8	44.3

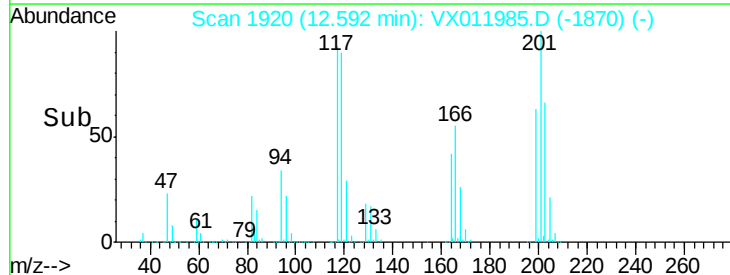
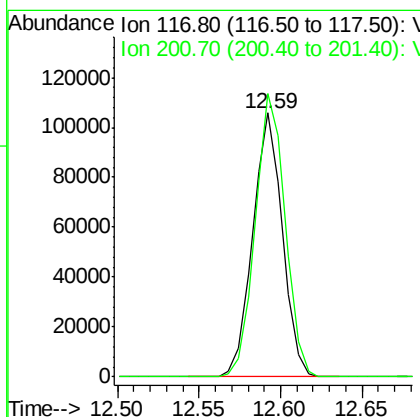
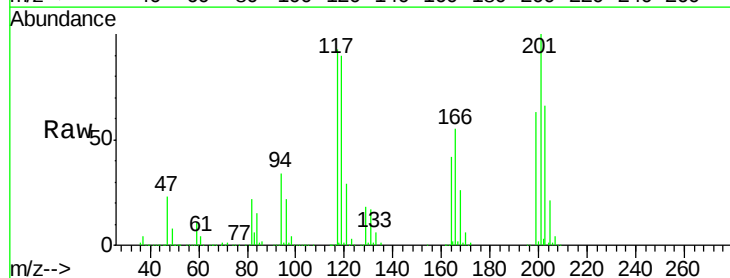
Manual Integrations
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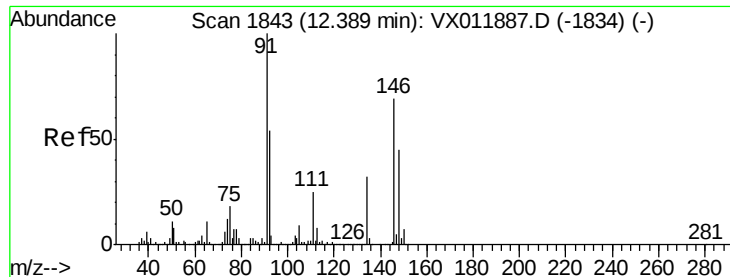
sam
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#90
Hexachloroethane
Concen: 50.146 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	108.1	52.8	158.5





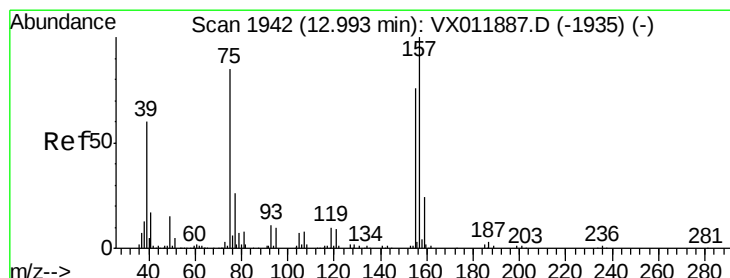
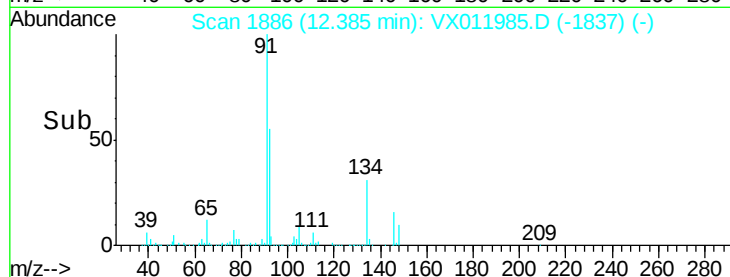
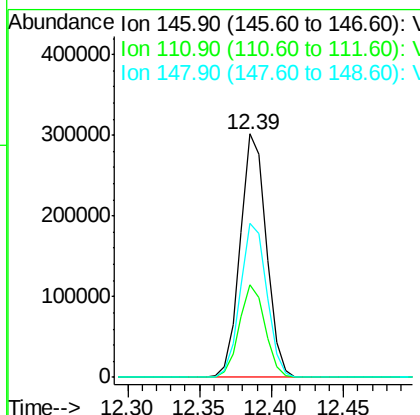
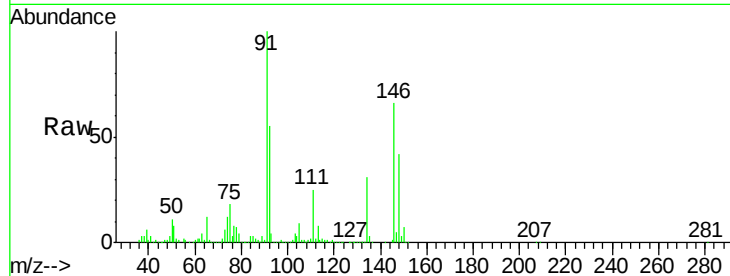
#91
 1,2-Dichlorobenzene
 Concen: 54.231 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	379545		
111	37.6	18.9	56.5	
148	64.5	32.1	96.3	

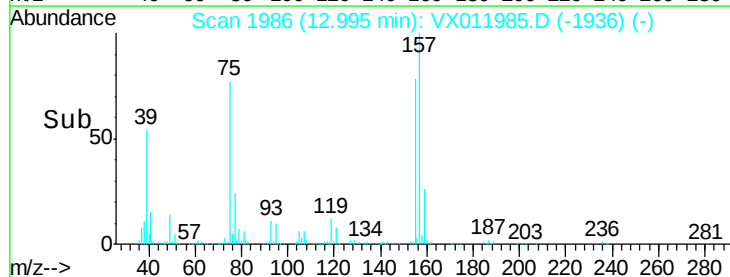
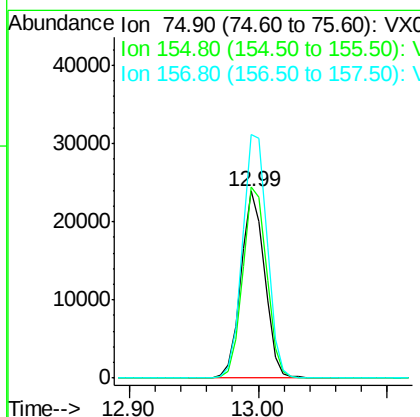
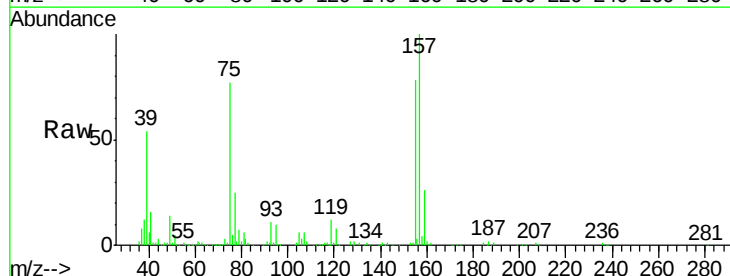
Manual Integrations
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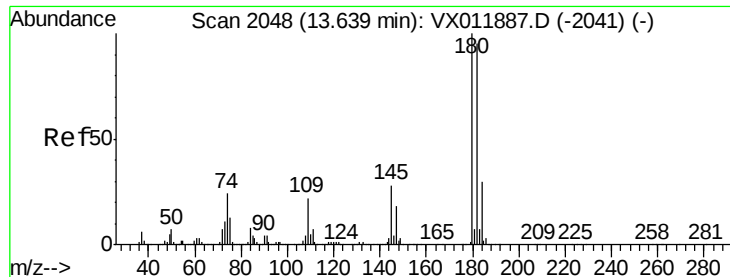
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.284 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30337		
155	102.9	50.1	150.4	
157	135.3	63.9	191.7	





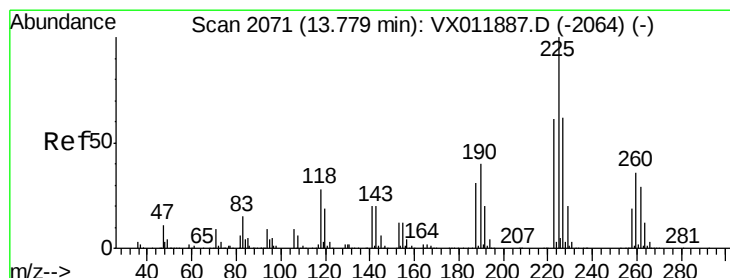
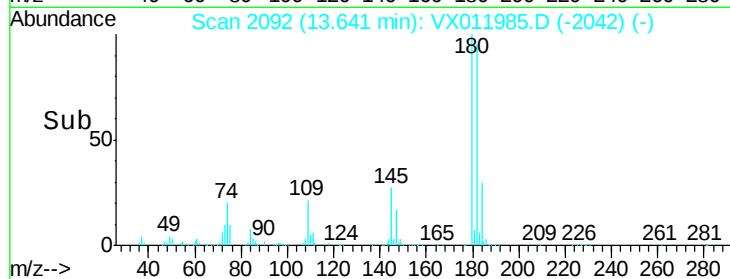
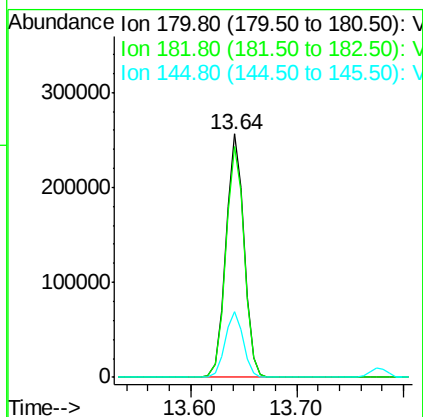
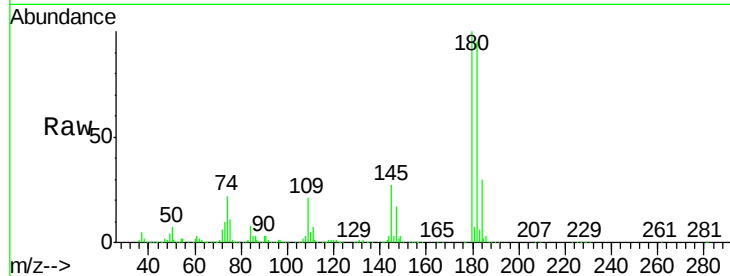
#93
 1,2,4-Trichlorobenzene
 Concen: 51.733 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	48.1	144.4	
145	27.2	13.8	41.3	

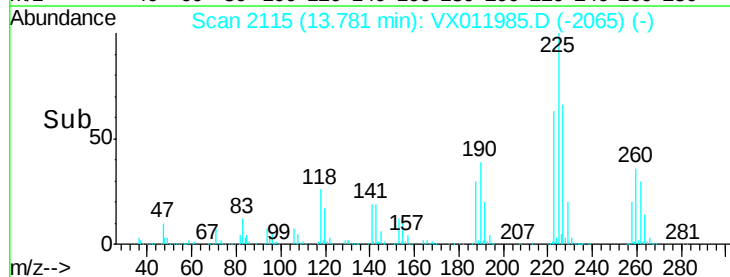
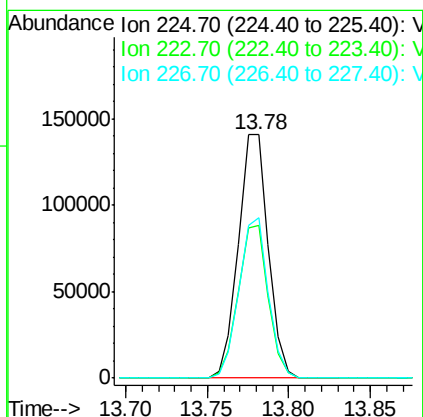
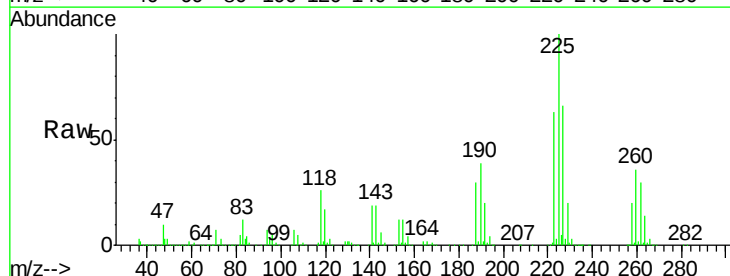
Manual Integrations
 APPROVED

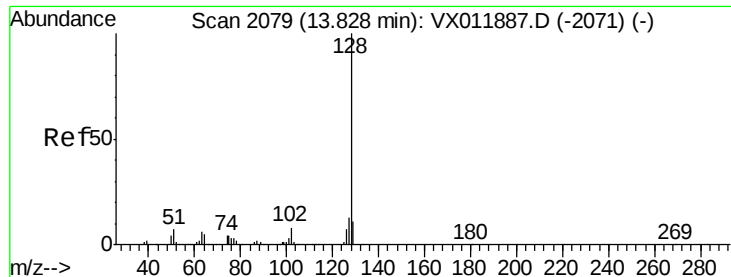
sam
 9/3/2019 12:52:55 PM



#94
 Hexachlorobutadiene
 Concen: 45.992 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011985.D
 Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	30.8	92.3	
227	64.1	31.9	95.7	





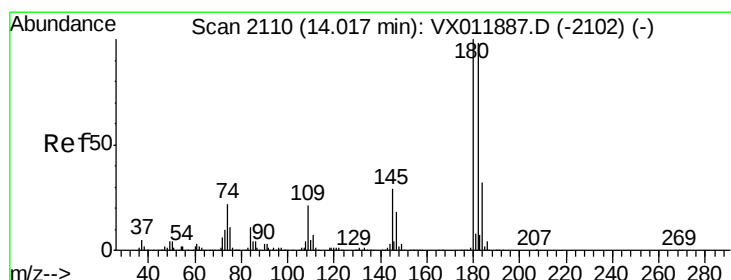
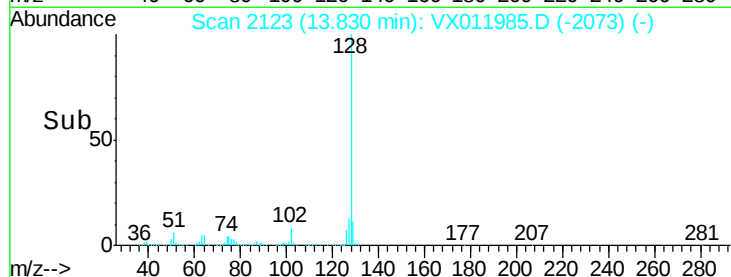
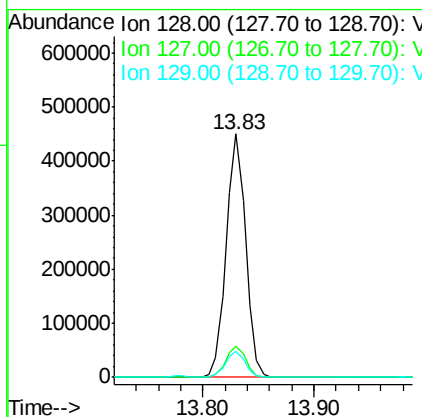
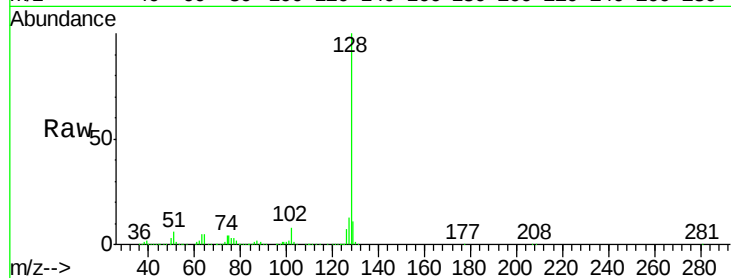
#95
Naphthalene
Concen: 53.891 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	545045		
127	13.0		10.4	15.6
129	10.9		8.8	13.2

Manual Integrations
APPROVED

sam
9/3/2019 12:52:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.225 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX011985.D
Acq: 01 Sep 2019 08:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	288966		
182	95.8		48.3	144.8
145	28.1		14.6	43.8

