

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000317.D
 Acq On : 15 Oct 2019 14:02
 Operator : SY/MD
 Sample : K5111-02 5PPB L00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:25 AM

Quant Time: Oct 15 17:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 15 17:47:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	307574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	508629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	447352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	213881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	176876	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.74	113	154384	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.19	98	611103	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.48	95	219728	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	16241	5.922	ug/l	98
3) Chloromethane	2.12	50	20343	5.413	ug/l	98
4) Vinyl Chloride	2.25	62	21488	5.665	ug/l	99
5) Bromomethane	2.65	94	17076	6.074	ug/l	93
6) Chloroethane	2.80	64	14506	5.927	ug/l	97
7) Trichlorofluoromethane	3.13	101	28511	5.495	ug/l	93
8) Diethyl Ether	3.54	74	11147	6.081	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	18111	5.756	ug/l	95
10) Methyl Iodide	4.09	142	18953	4.614	ug/l	97
11) Tert butyl alcohol	4.98	59	10821	31.870	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	16251	5.231	ug/l	97
13) Acrolein	3.74	56	9341	23.466	ug/l	90
14) Allyl chloride	4.48	41	26514	5.150	ug/l	96
15) Acrylonitrile	5.18	53	29403	28.660	ug/l	98
16) Acetone	3.96	43	26096	24.837	ug/l #	88
17) Carbon Disulfide	4.20	76	52910	5.410	ug/l	97
18) Methyl Acetate	4.49	43	16852	6.455	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	51518	5.957	ug/l	98
20) Methylene Chloride	4.72	84	29936	6.948	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	19400	5.443	ug/l	95
22) Diisopropyl ether	6.13	45	61491	5.648	ug/l #	95
23) Vinyl Acetate	6.07	43	182693	25.720	ug/l	95
24) 1,1-Dichloroethane	6.04	63	33955	5.713	ug/l	97
25) 2-Butanone	7.01	43	40103	27.095	ug/l	96
26) 2,2-Dichloropropane	6.99	77	34014	6.211	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	22315	5.786	ug/l	94
28) Bromochloromethane	7.35	49	14673	5.751	ug/l	96
29) Tetrahydrofuran	7.36	42	24451	27.259	ug/l	99
30) Chloroform	7.52	83	34260	5.724	ug/l	95
31) Cyclohexane	7.80	56	38335	6.176	ug/l #	81
32) 1,1,1-Trichloroethane	7.71	97	29960	5.631	ug/l	96
36) 1,1-Dichloropropene	7.92	75	27794	5.581	ug/l	98
37) Ethyl Acetate	7.08	43	18082	6.132	ug/l	98
38) Carbon Tetrachloride	7.91	117	25359	5.259	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	36043	5.530	ug/l	90
40) Benzene	8.17	78	78683	5.468	ug/l	97
41) Methacrylonitrile	7.33	41	9962	7.098	ug/l #	54
42) 1,2-Dichloroethane	8.25	62	23197	5.643	ug/l	100
43) Isopropyl Acetate	8.28	43	30340	5.411	ug/l	95
44) Trichloroethene	8.95	130	21281	5.270	ug/l	87
45) 1,2-Dichloropropane	9.22	63	21050	5.960	ug/l #	86
46) Dibromomethane	9.31	93	11134	5.640	ug/l	95
47) Bromodichloromethane	9.50	83	25788	5.543	ug/l	93
48) Methyl methacrylate	9.30	41	14664	5.968	ug/l	92
49) 1,4-Dioxane	9.31	88	2702	91.280	ug/l #	76
51) 4-Methyl-2-Pentanone	10.08	43	83772	28.969	ug/l	96
52) Toluene	10.25	92	49496	5.417	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	26444	5.303	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	30339	5.358	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	16121	5.616	ug/l	96
56) Ethyl methacrylate	10.51	69	21325	5.212	ug/l	97
57) 1,3-Dichloropropane	10.79	76	27400	5.558	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.79	63	50993	31.247	ug/l	98
59) 2-Hexanone	10.84	43	54167	26.687	ug/l	97
60) Dibromochloromethane	10.99	129	16852	5.297	ug/l	100
61) 1,2-Dibromoethane	11.09	107	14930	5.417	ug/l	95
64) Tetrachloroethene	10.72	164	23896	5.611	ug/l	97
65) Chlorobenzene	11.52	112	51773	5.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	18387	5.544	ug/l	96
67) Ethyl Benzene	11.60	91	97065	5.546	ug/l	98
68) m/p-Xylenes	11.70	106	71318	10.659	ug/l	94
69) o-Xylene	12.03	106	35900	5.625	ug/l	94
70) Styrene	12.05	104	56745	5.272	ug/l	99
71) Bromoform	12.21	173	9371	4.915	ug/l #	95
73) Isopropylbenzene	12.33	105	90649	5.436	ug/l	99
74) N-amyl acetate	12.14	43	23840	5.823	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	16415	5.242	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	11373m	4.324	ug/l	
77) Bromobenzene	12.61	156	21435	5.776	ug/l	94
78) n-propylbenzene	12.67	91	106745	5.331	ug/l	99
79) 2-Chlorotoluene	12.75	91	61383	5.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	75142	5.373	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	6335	5.270	ug/l	97
82) 4-Chlorotoluene	12.86	91	66706	5.707	ug/l	98
83) tert-Butylbenzene	13.08	119	64082	5.411	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	76686	5.556	ug/l	98
85) sec-Butylbenzene	13.25	105	91542	5.344	ug/l	99
86) p-Isopropyltoluene	13.37	119	80820	5.411	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	40149	5.491	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	41713	5.708	ug/l	95
89) n-Butylbenzene	13.69	91	78719	5.334	ug/l	99
90) Hexachloroethane	13.96	117	14114	5.103	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	37853	5.721	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3685	6.205	ug/l	78

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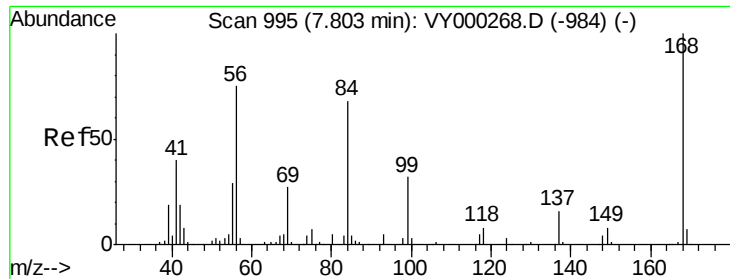
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	26006	5.645	ug/l	99
94) Hexachlorobutadiene	15.11	225	13520	5.423	ug/l	99
95) Naphthalene	15.23	128	57656	5.608	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	23472	5.653	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:168 Resp: 307574

Ion Ratio Lower Upper

168 100

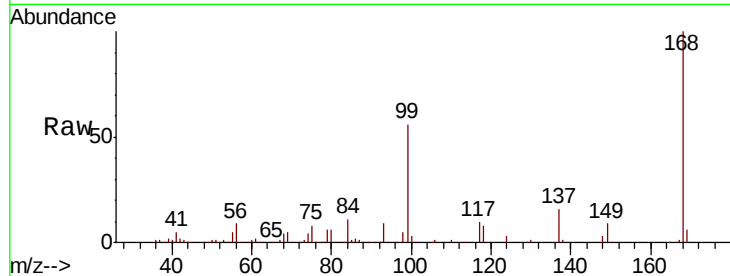
99 56.3 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000317.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000317.D (-946) (-)

7.80

150000

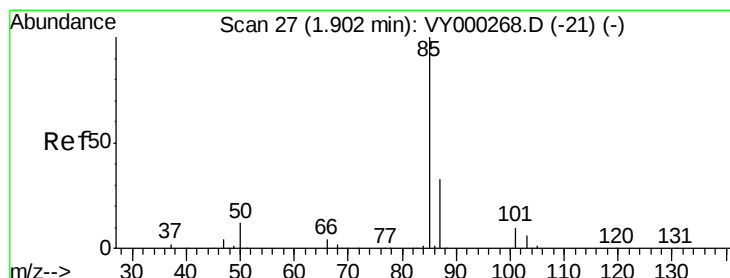
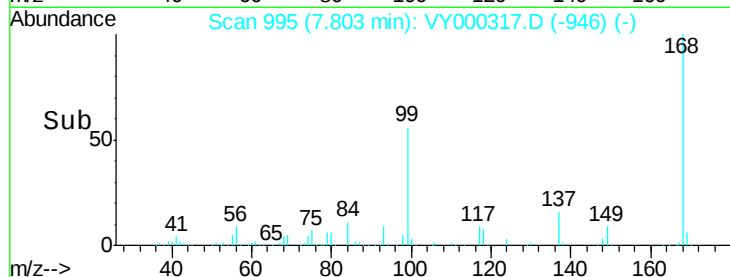
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50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.922 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000317.D

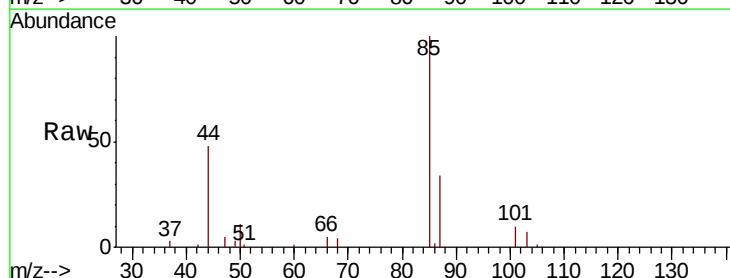
Acq: 15 Oct 2019 14:02

Tgt Ion: 85 Resp: 16241

Ion Ratio Lower Upper

85 100

87 34.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000317.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000317.D (-1) (-)

1.90

10000

8000

6000

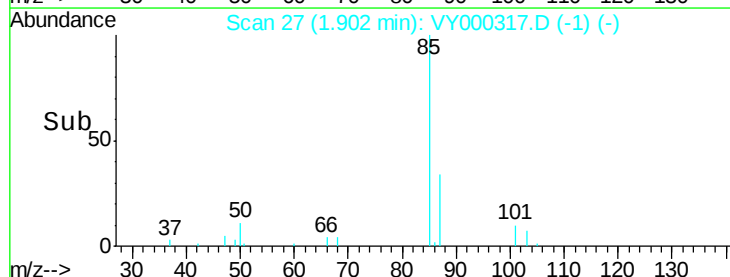
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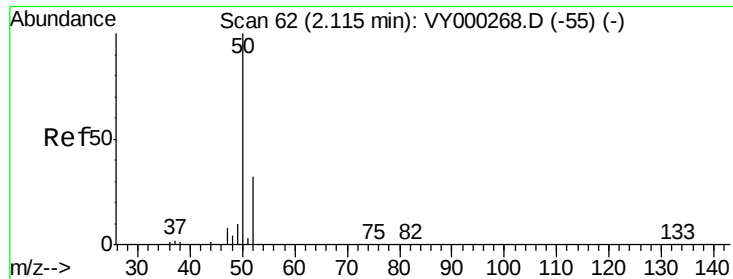
2000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 5.413 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 50 Resp: 20343

Ion Ratio Lower Upper

50 100

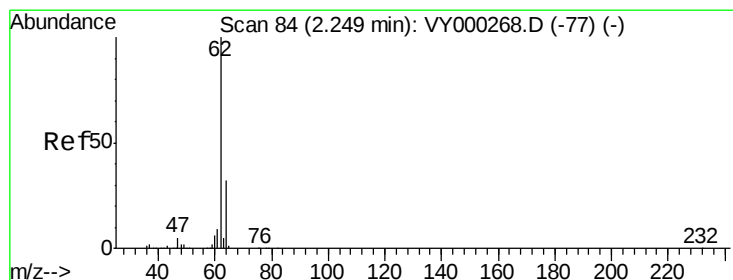
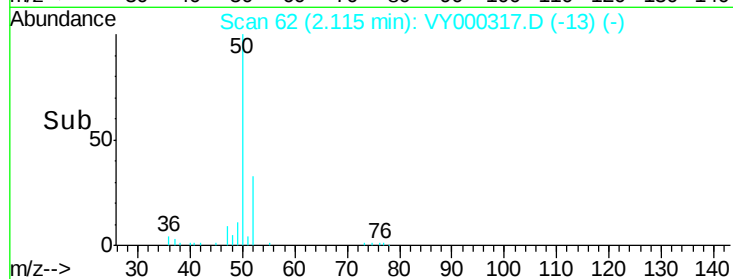
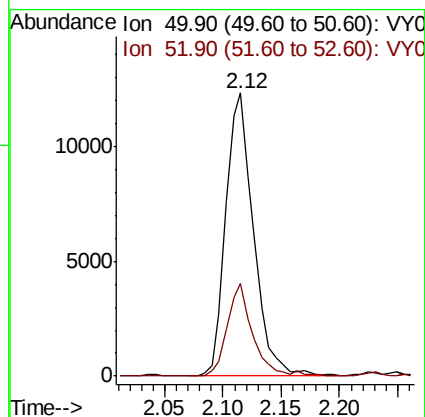
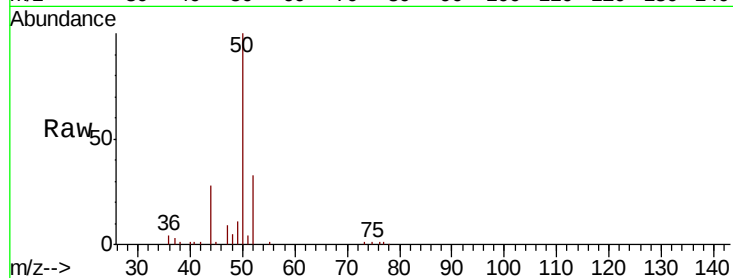
52 32.5 25.3 37.9

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#4

Vinyl Chloride

Concen: 5.665 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000317.D

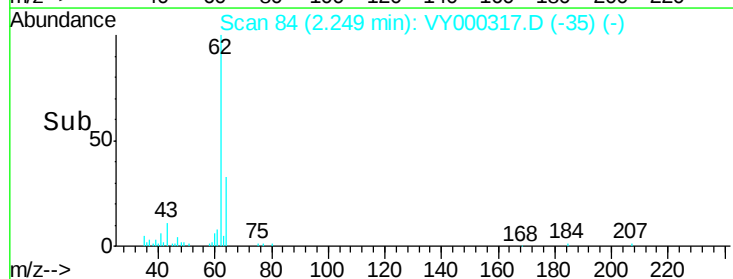
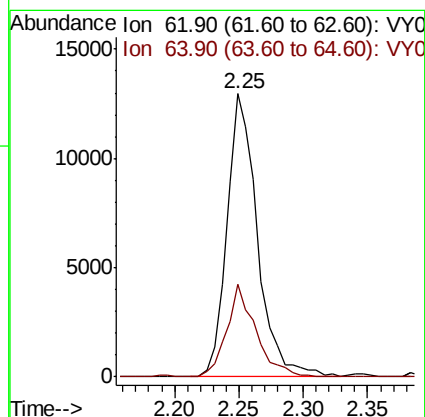
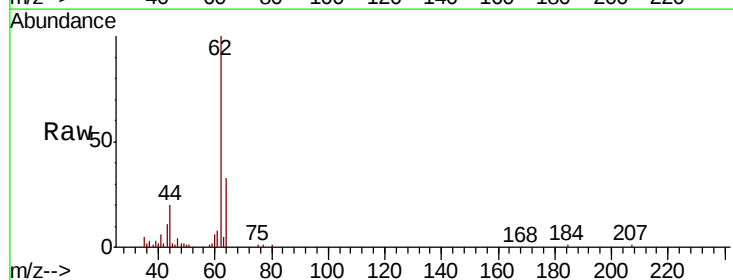
Acq: 15 Oct 2019 14:02

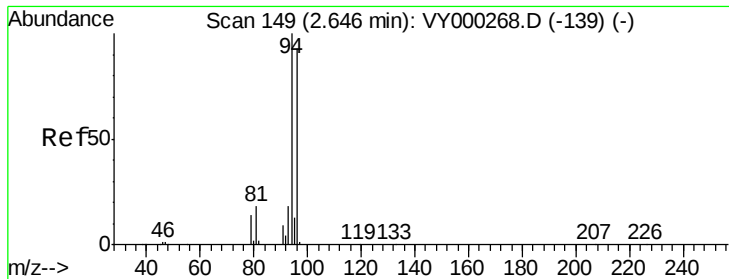
Tgt Ion: 62 Resp: 21488

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 6.074 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 94 Resp: 17076

Ion Ratio Lower Upper

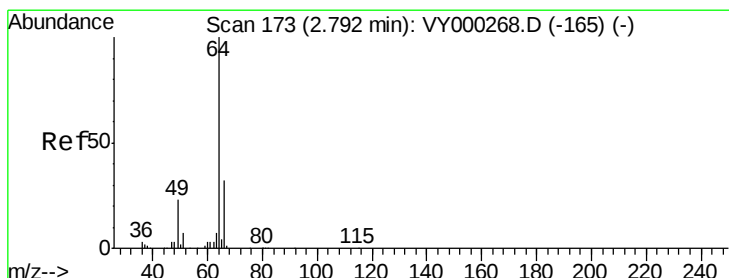
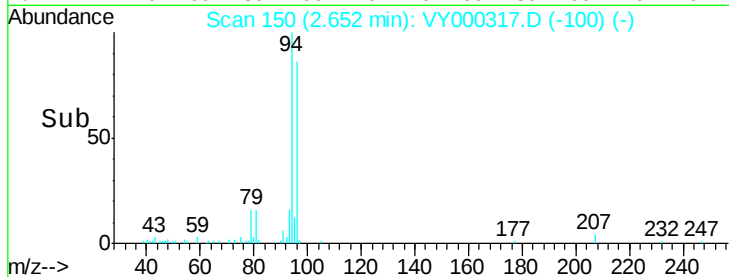
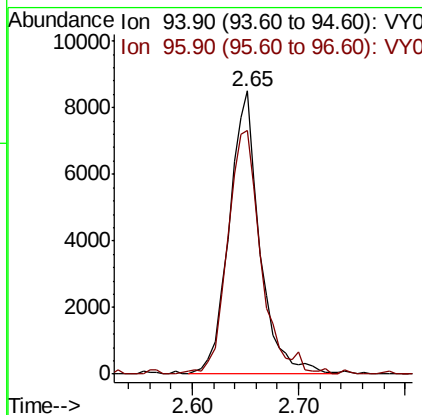
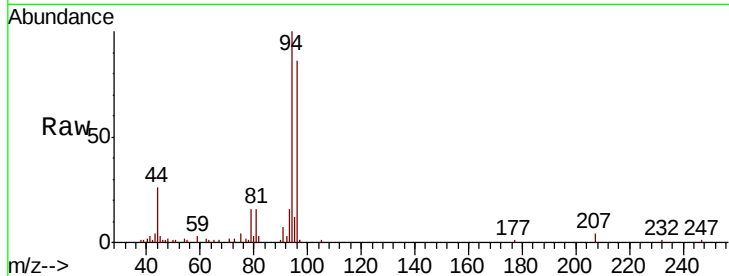
94 100

96 86.2 74.2 111.2

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#6

Chloroethane

Concen: 5.927 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000317.D

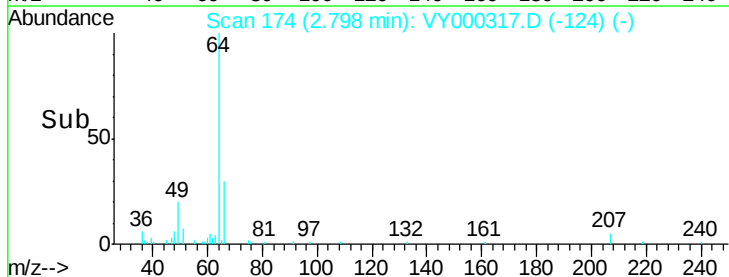
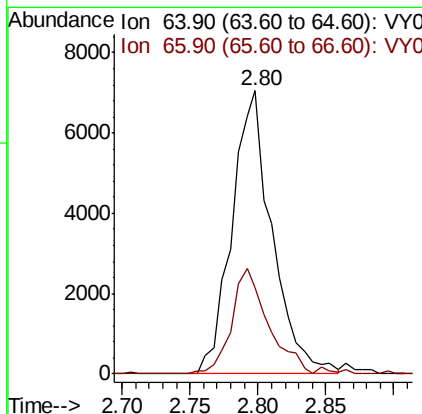
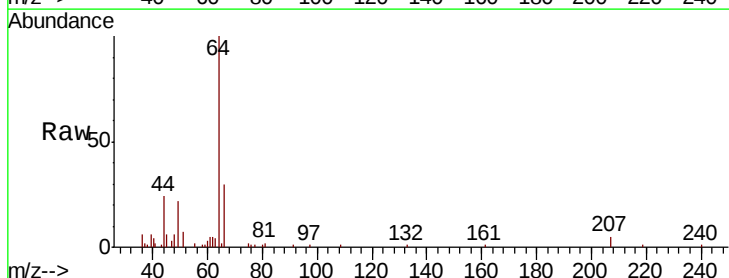
Acq: 15 Oct 2019 14:02

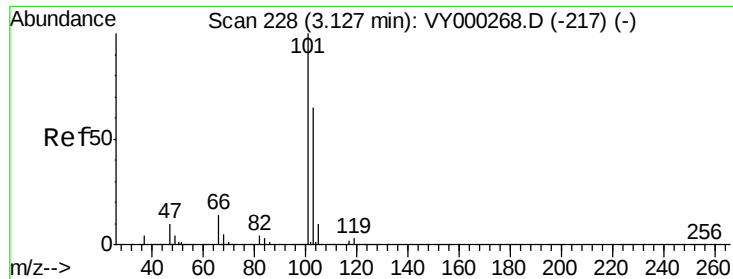
Tgt Ion: 64 Resp: 14506

Ion Ratio Lower Upper

64 100

66 30.4 25.6 38.4





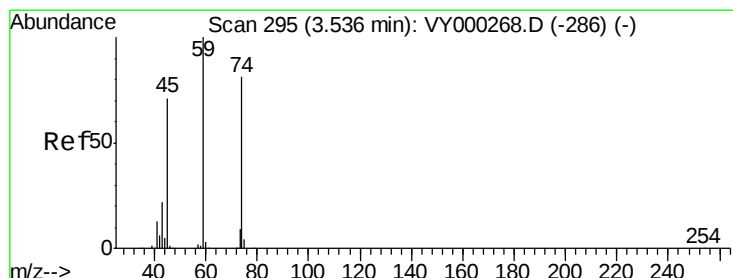
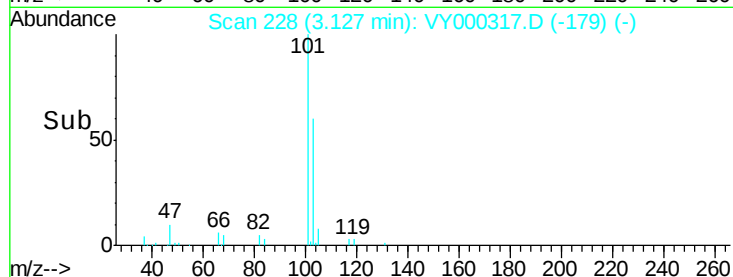
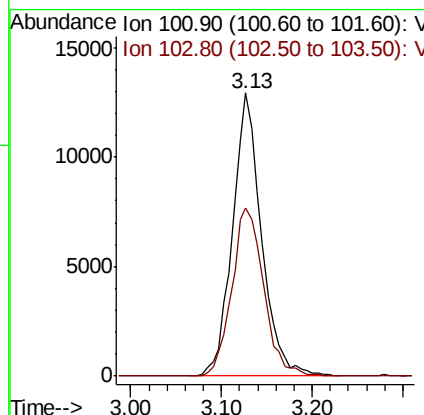
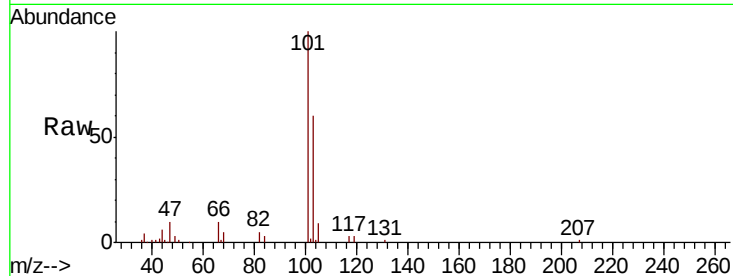
#7
 Trichlorofluoromethane
 Concen: 5.495 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
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 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
101	100	28511		
103	59.6	52.2	78.4	

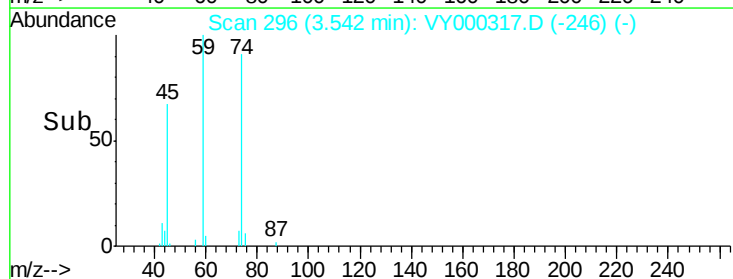
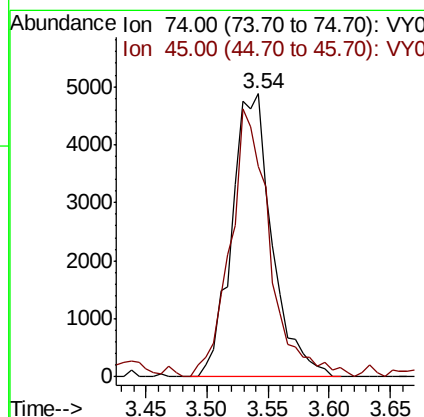
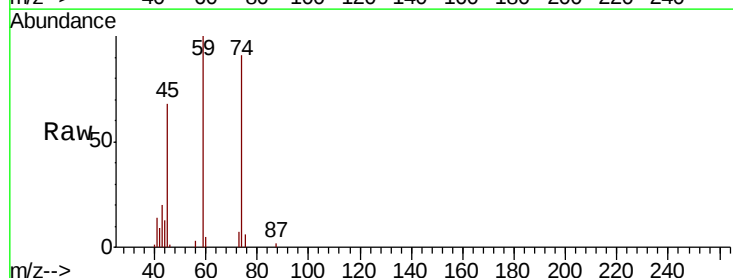
Manual Integrations
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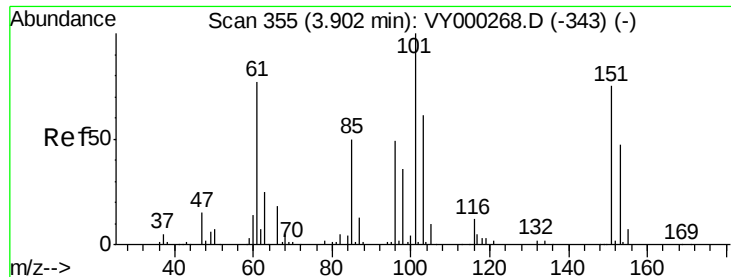
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 10/18/2019 12:40:25 AM



#8
 Diethyl Ether
 Concen: 6.081 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. 0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	11147		
45	92.9	47.1	141.4	





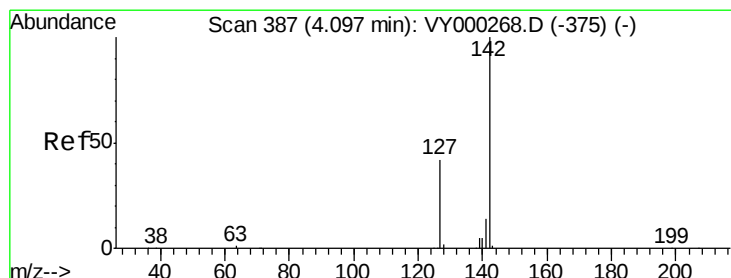
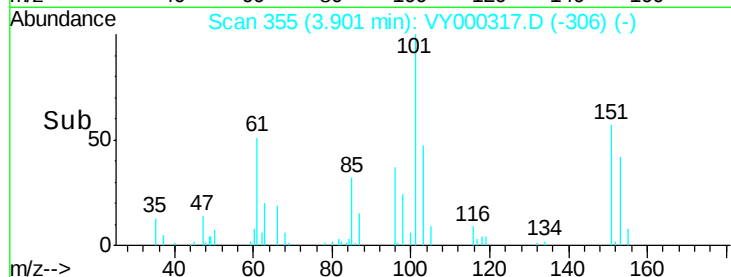
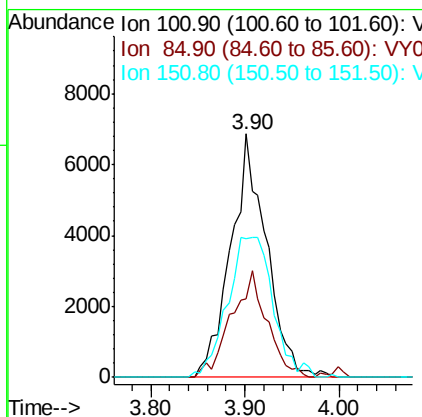
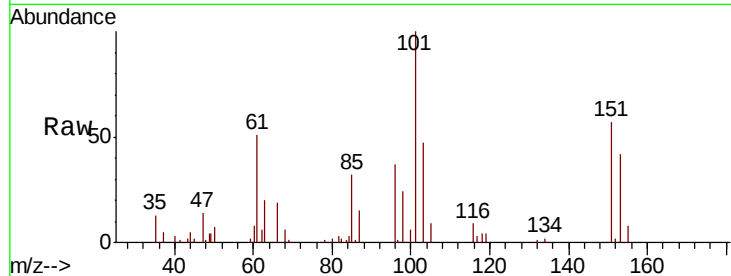
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.756 ug/l
RT: 3.90 min Scan# 355
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.6	55.0
151	73.5	63.1	94.7

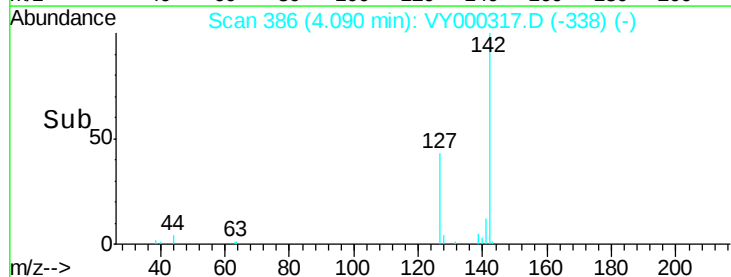
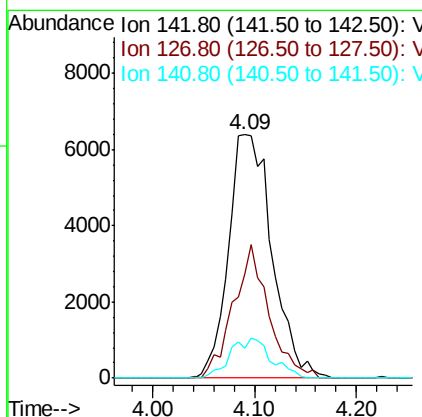
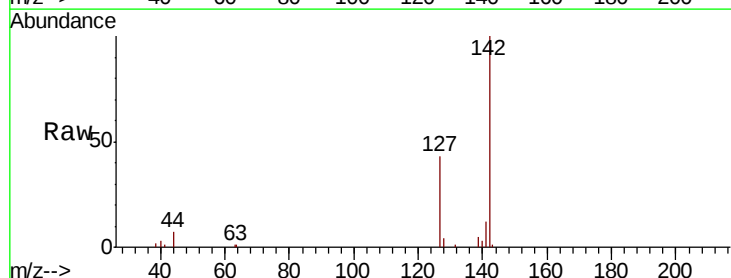
Manual Integrations
APPROVED

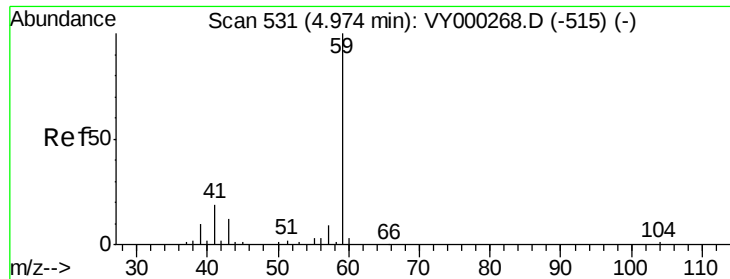
MMDadoda
10/18/2019 12:40:25 AM



#10
Methyl Iodide
Concen: 4.614 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.6	33.9	50.9
141	15.4	11.2	16.8





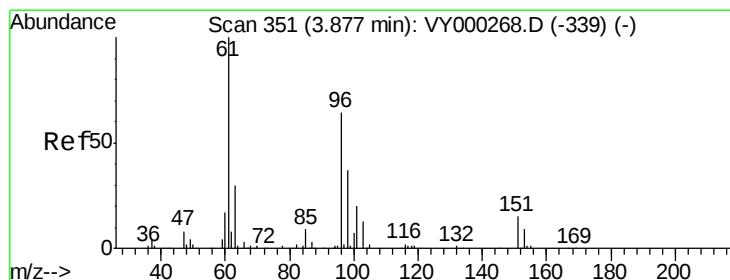
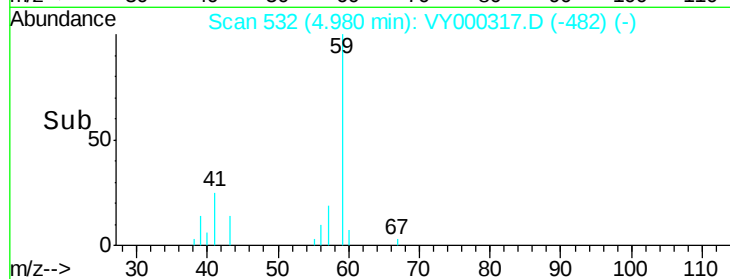
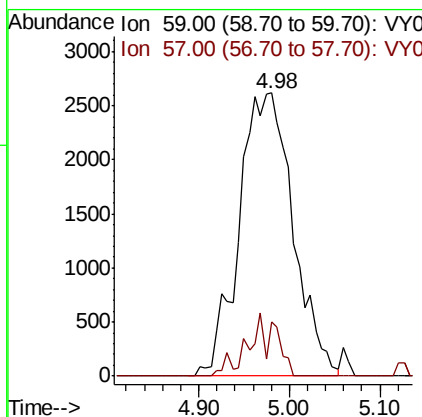
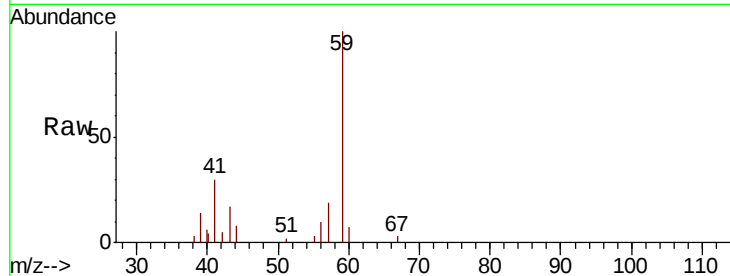
#11
Tert butyl alcohol
Concen: 31.870 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.5	8.2	12.2#

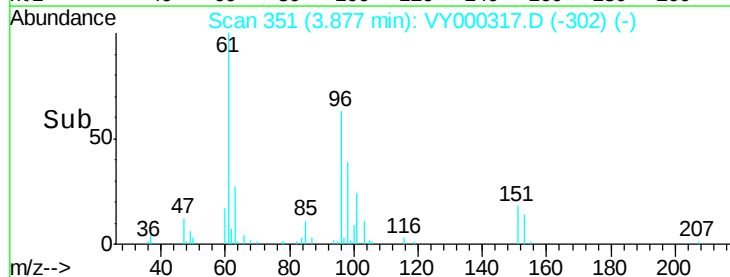
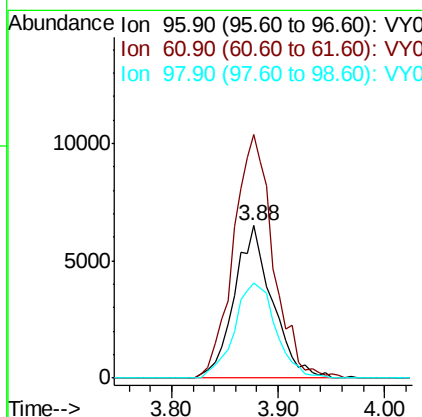
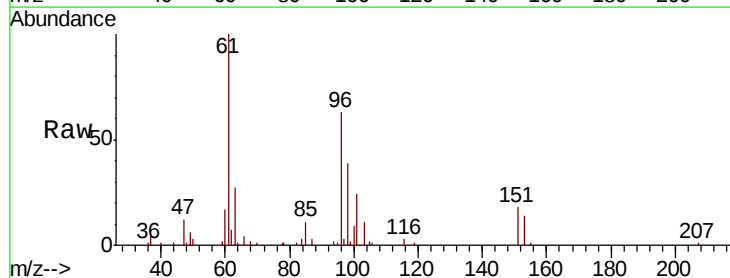
Manual Integrations
APPROVED

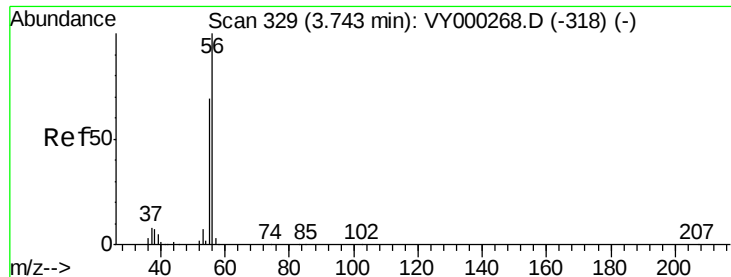
MMDadoda
10/18/2019 12:40:25 AM



#12
1,1-Dichloroethene
Concen: 5.231 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	125.8	188.6
98	62.8	46.2	69.2





#13

Acrolein

Concen: 23.466 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 56 Resp: 9341

Ion Ratio Lower Upper

56 100

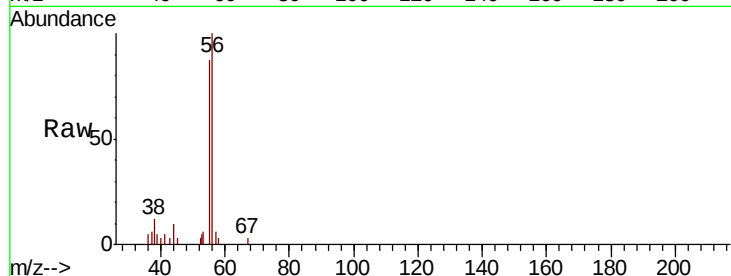
55 77.9 55.7 83.5

Manual Integrations

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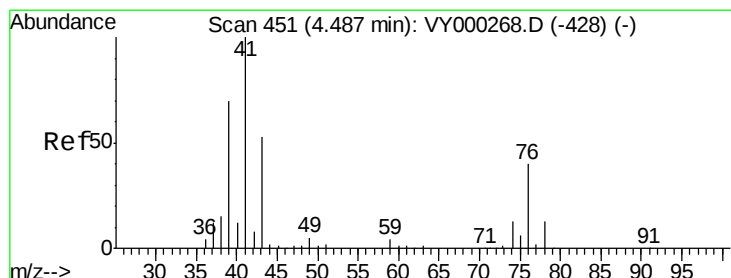
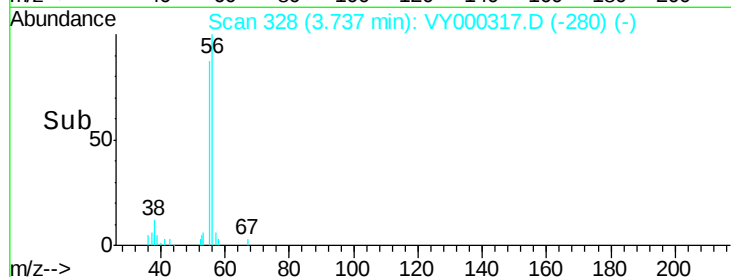
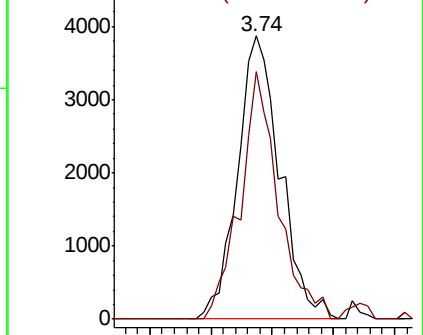
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 5.150 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

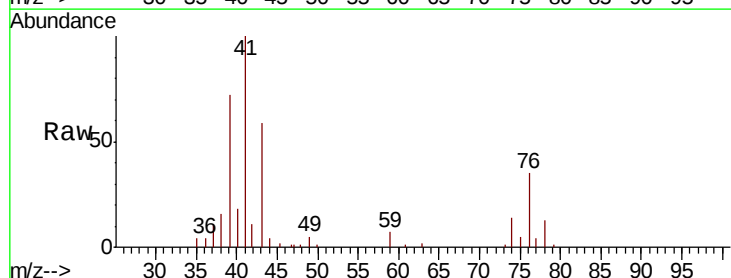
Tgt Ion: 41 Resp: 26514

Ion Ratio Lower Upper

41 100

39 71.3 54.0 81.0

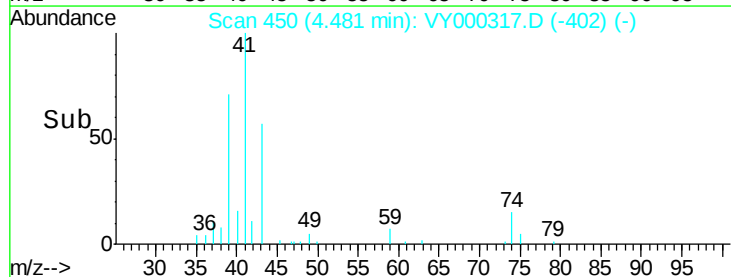
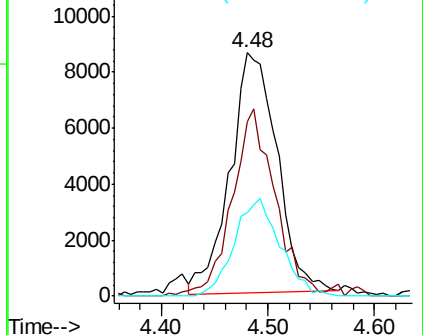
76 39.5 30.7 46.1

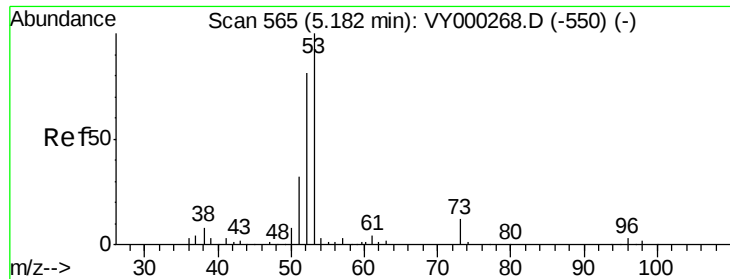


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 28.660 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

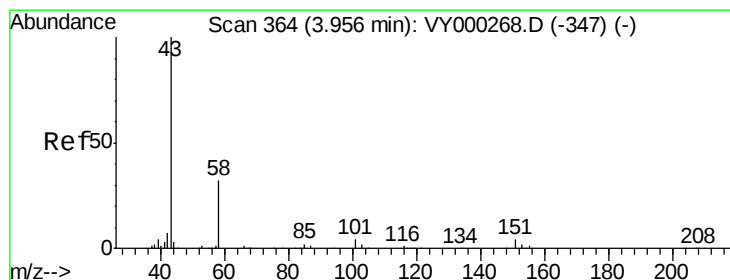
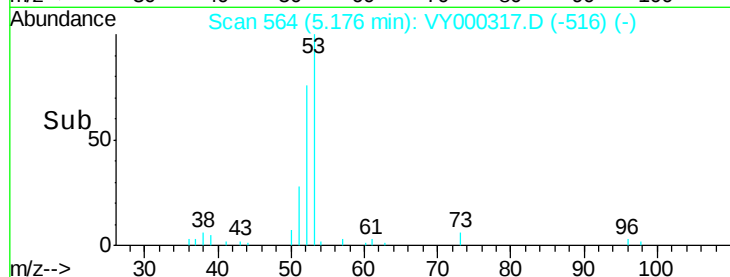
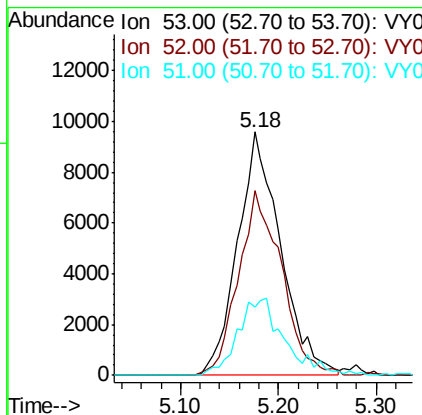
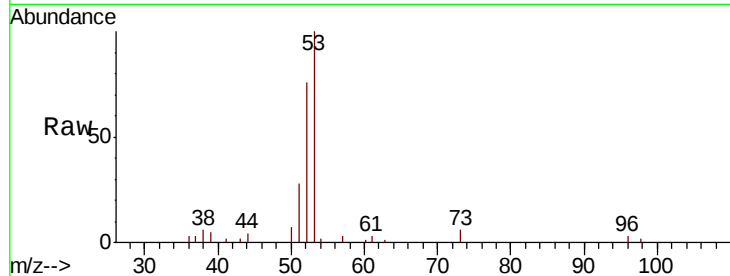
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	53	Resp:	29403
Ion	Ratio	Lower	Upper
53	100		
52	76.0	62.9	94.3
51	34.2	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 24.837 ug/l

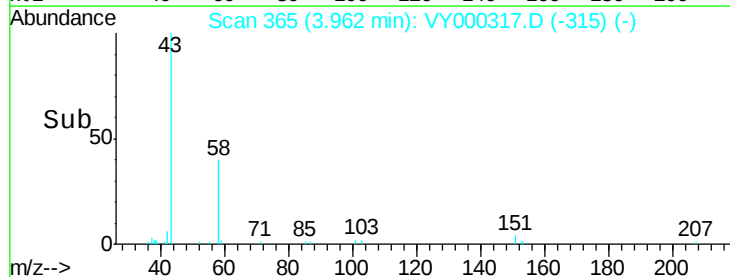
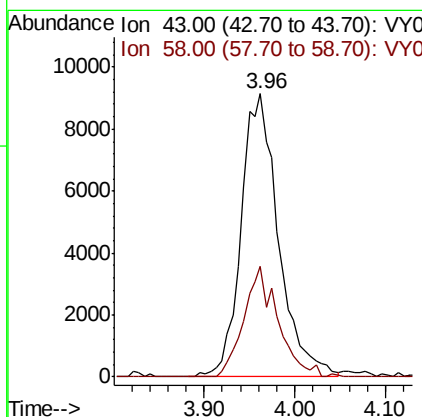
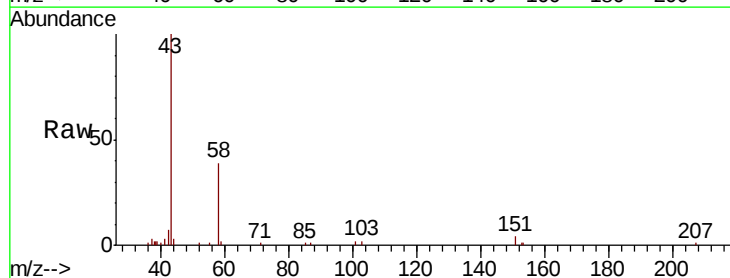
RT: 3.96 min Scan# 365

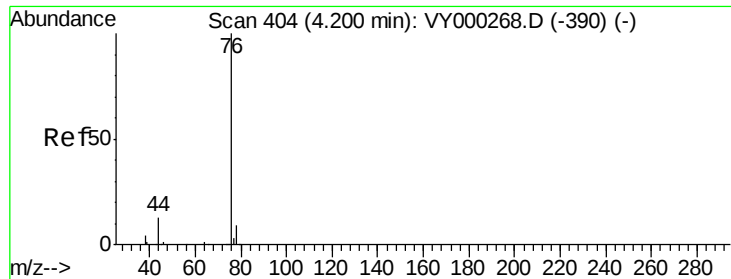
Delta R.T. 0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Tgt Ion:	43	Resp:	26096
Ion	Ratio	Lower	Upper
43	100		
58	38.9	25.8	38.6#





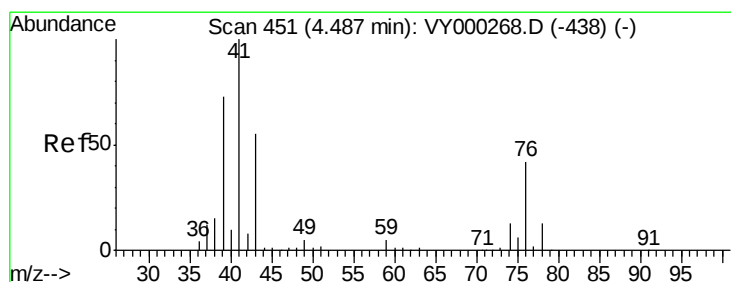
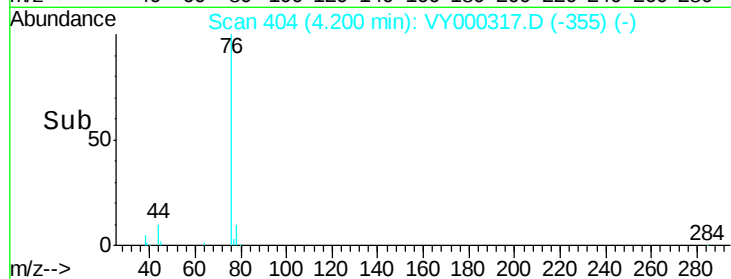
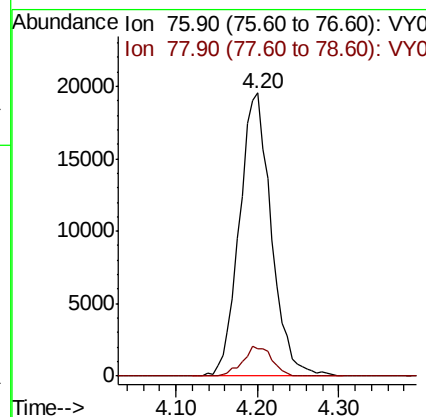
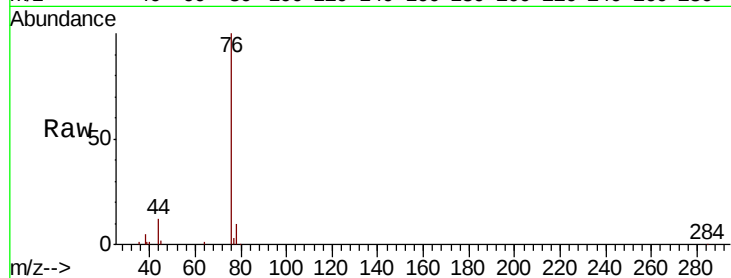
#17
Carbon Disulfide
Concen: 5.410 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.4

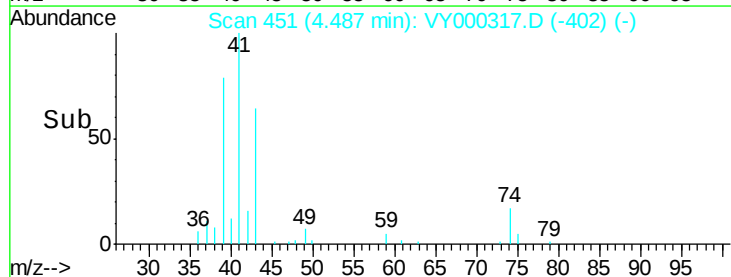
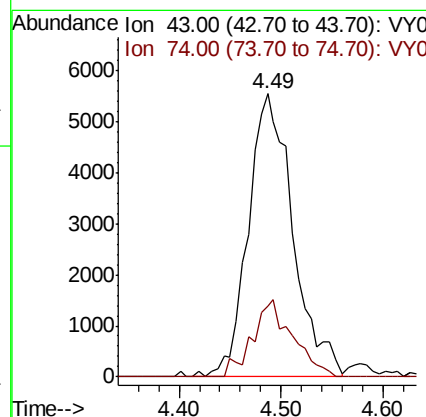
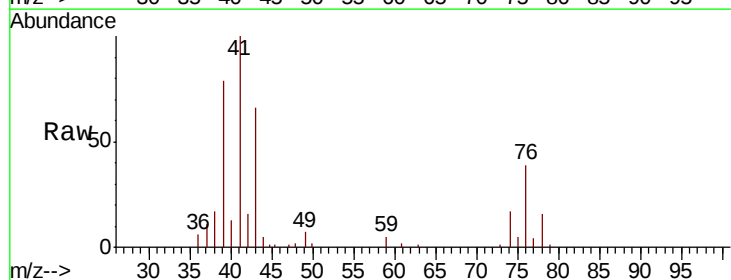
Manual Integrations
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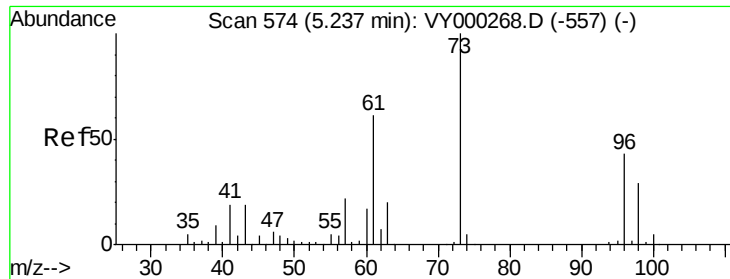
MMDadoda
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#18
Methyl Acetate
Concen: 6.455 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.4	30.6





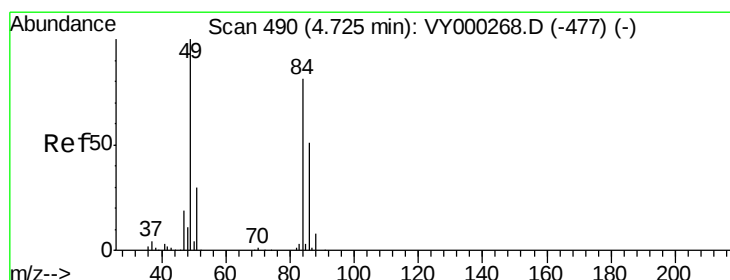
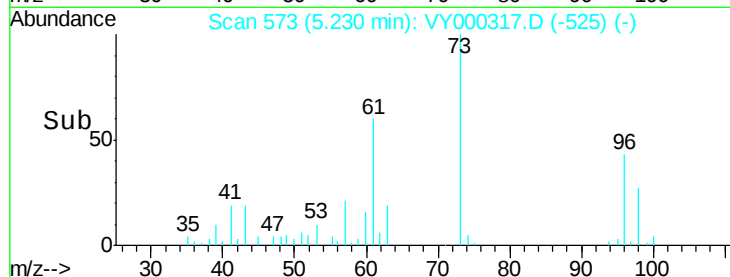
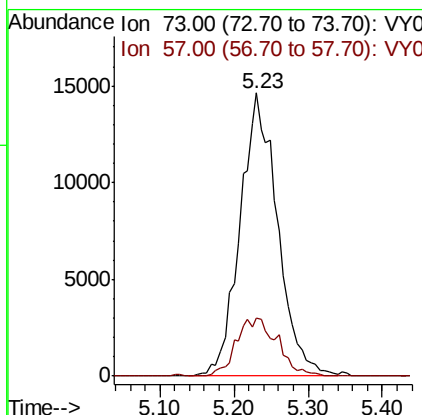
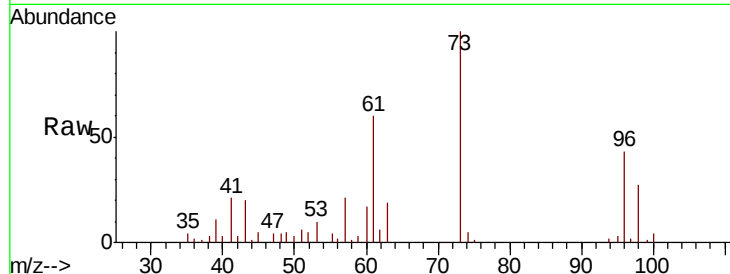
#19
Methvl tert-butvl Ether
Concen: 5.957 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion: 73 Resp: 51518
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0

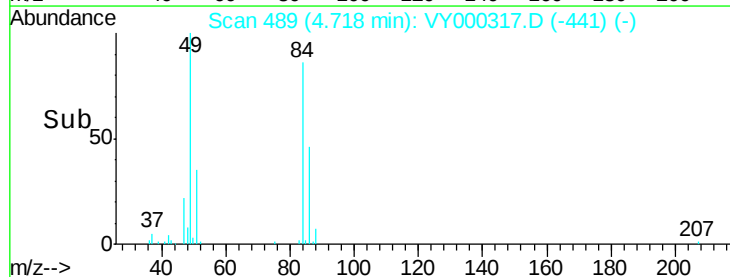
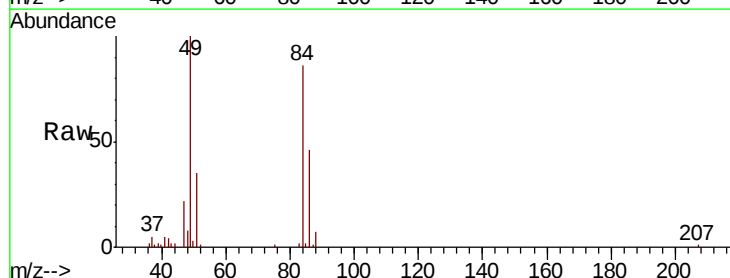
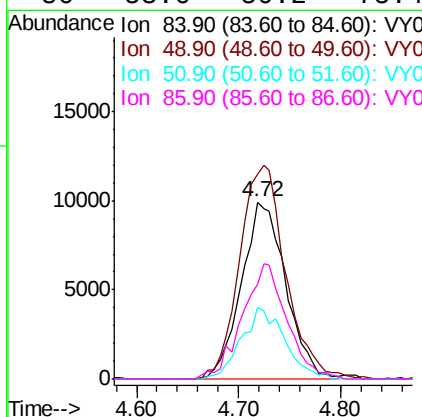
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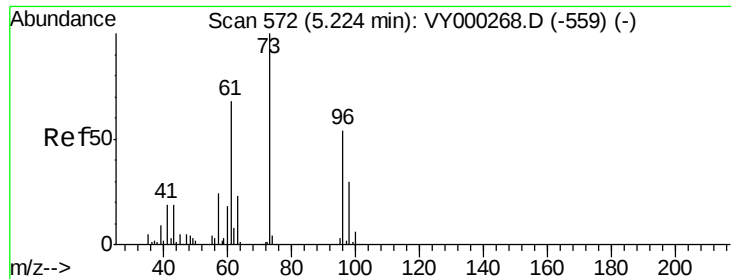
MMDadoda
10/18/2019 12:40:25 AM



#20
Methylene Chloride
Concen: 6.948 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion: 84 Resp: 29936
Ion Ratio Lower Upper
84 100
49 116.0 99.0 148.4
51 40.7 29.3 43.9
86 53.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 5.443 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

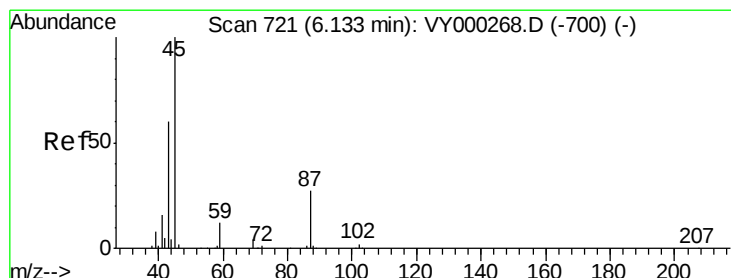
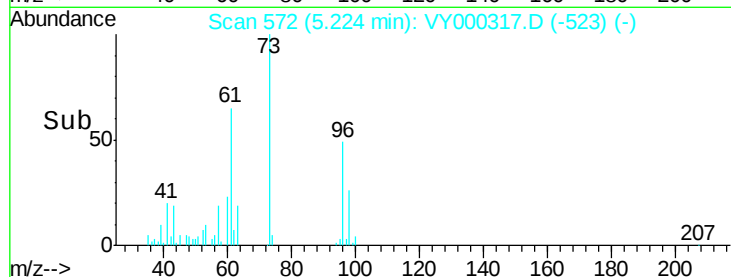
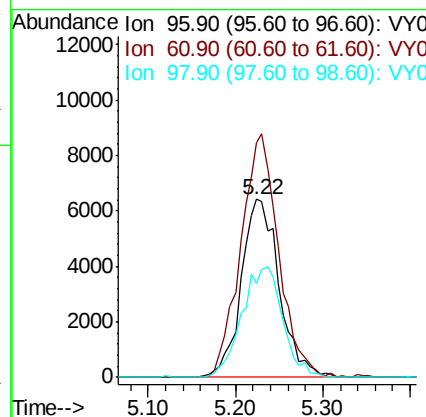
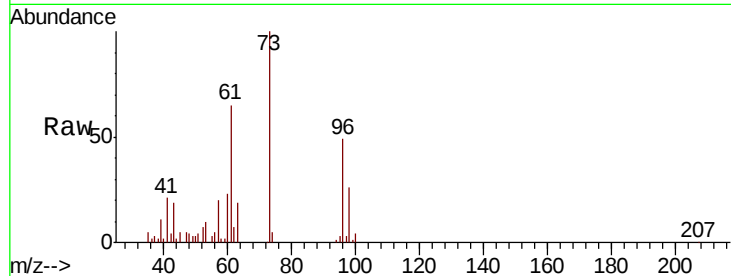
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	96	Resp:	19400
Ion	Ratio	Lower	Upper
96	100		
61	132.2	100.4	150.6
98	53.1	44.6	66.8

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#22

Diisopropyl ether

Concen: 5.648 ug/l

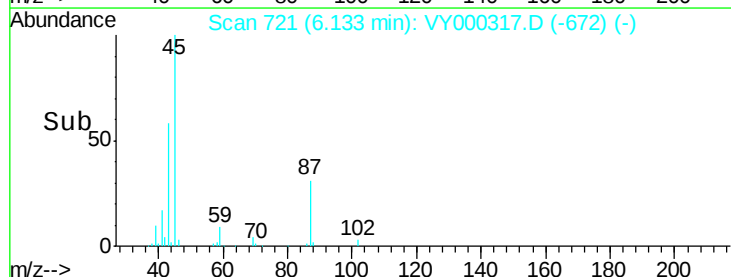
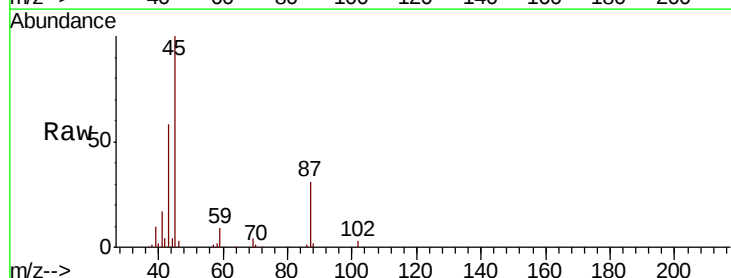
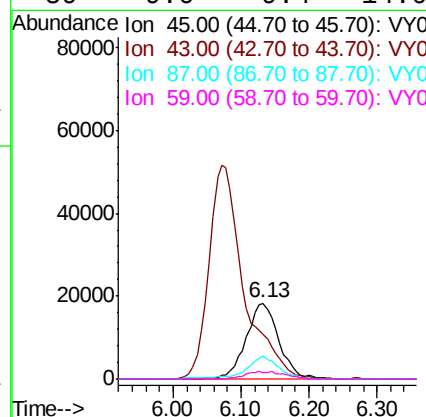
RT: 6.13 min Scan# 721

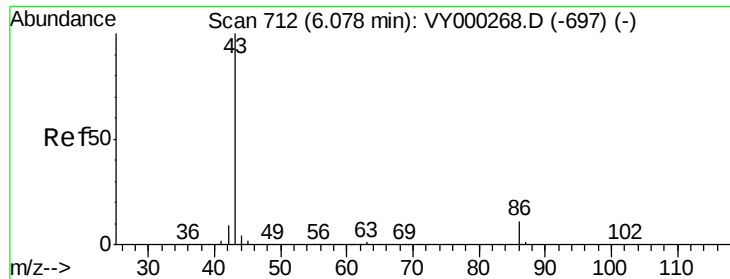
Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Tgt Ion:	45	Resp:	61491
Ion	Ratio	Lower	Upper
45	100		
43	57.5	48.5	72.7
87	30.8	21.5	32.3
59	9.0	9.4	14.0#





#23

Vinyl Acetate

Concen: 25.720 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 43 Resp: 182693

Ion Ratio Lower Upper

43 100

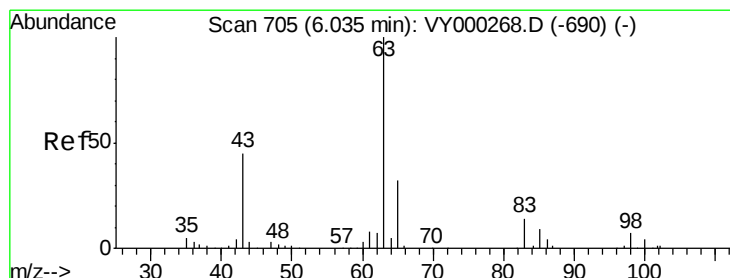
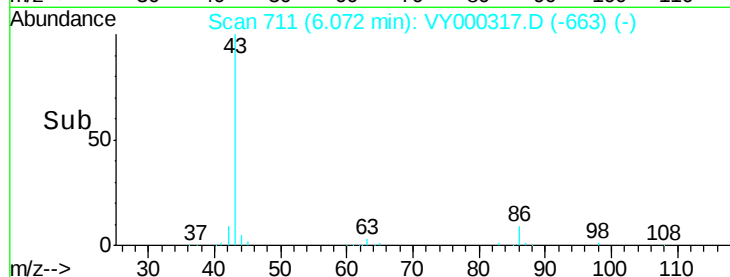
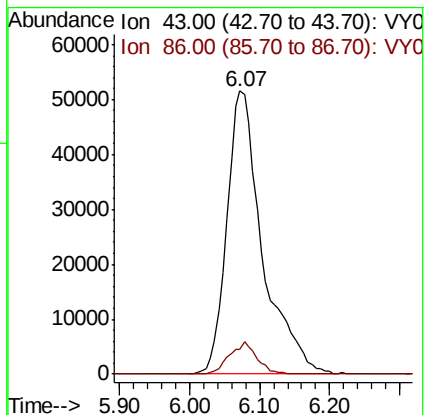
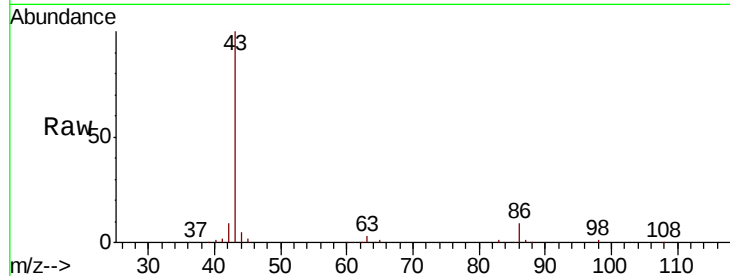
86 9.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.713 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

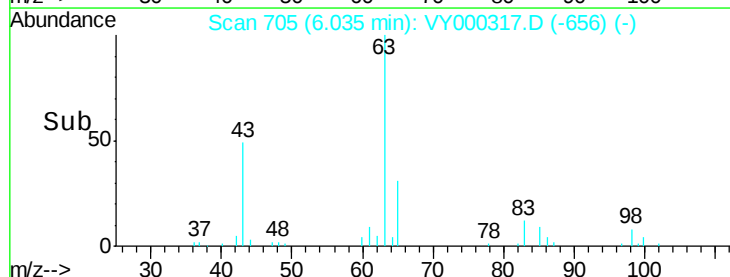
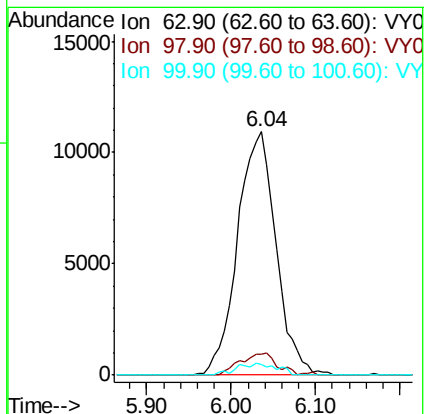
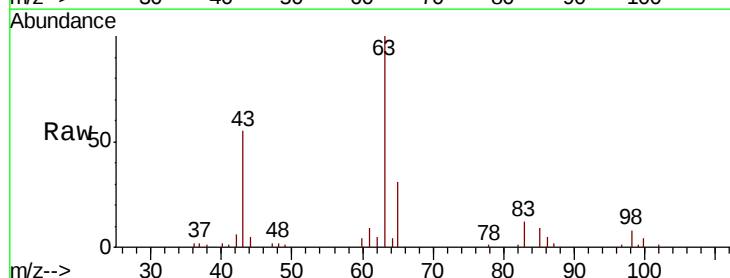
Tgt Ion: 63 Resp: 33955

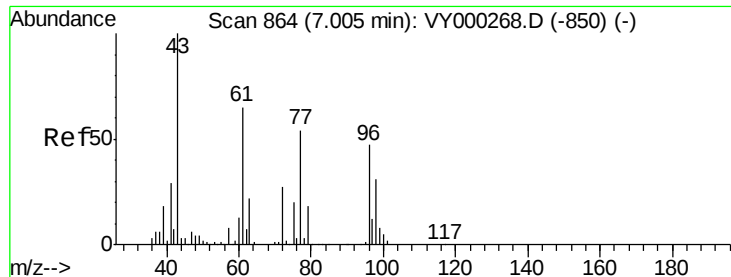
Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.4

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 27.095 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 43 Resp: 40103

Ion Ratio Lower Upper

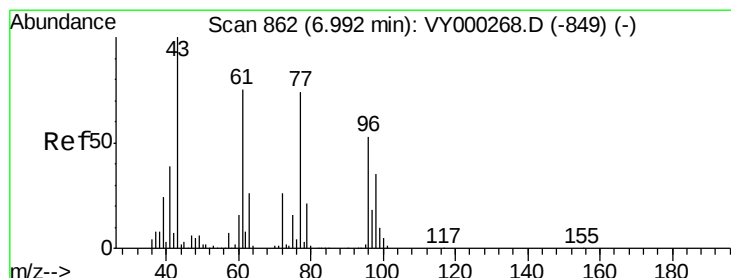
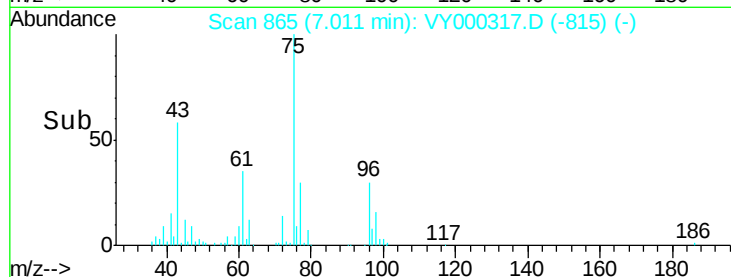
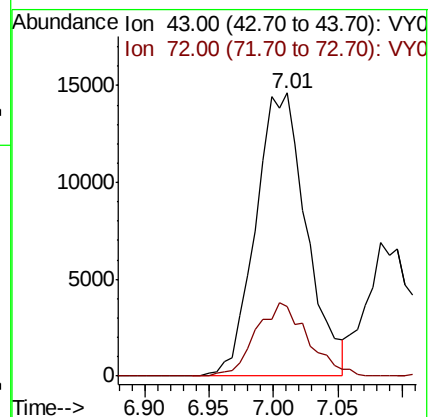
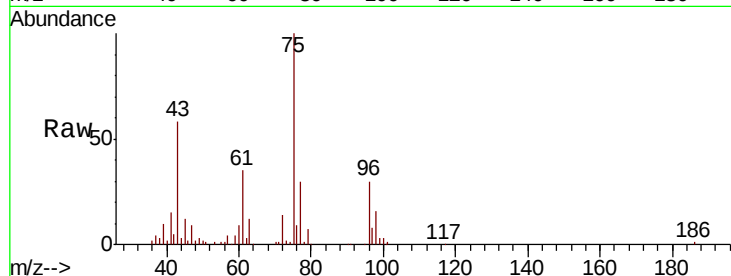
43 100

72 24.8 21.4 32.2

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 6.211 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000317.D

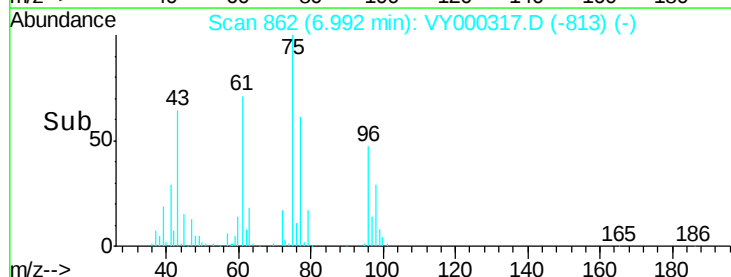
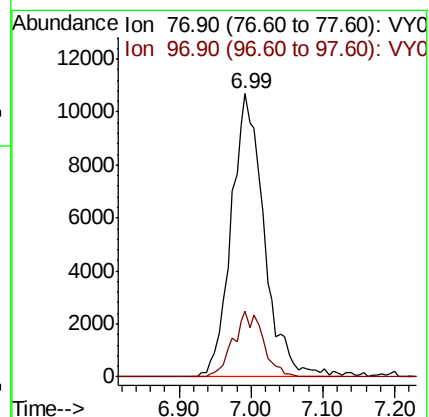
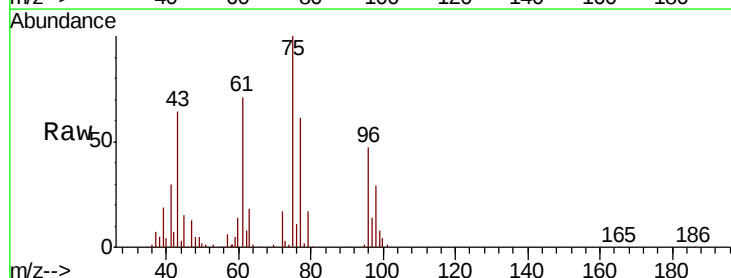
Acq: 15 Oct 2019 14:02

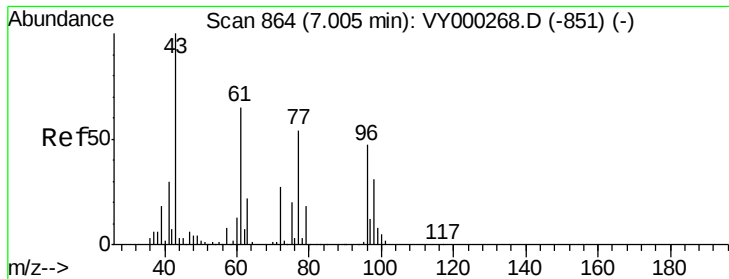
Tgt Ion: 77 Resp: 34014

Ion Ratio Lower Upper

77 100

97 21.0 11.6 34.7





#27

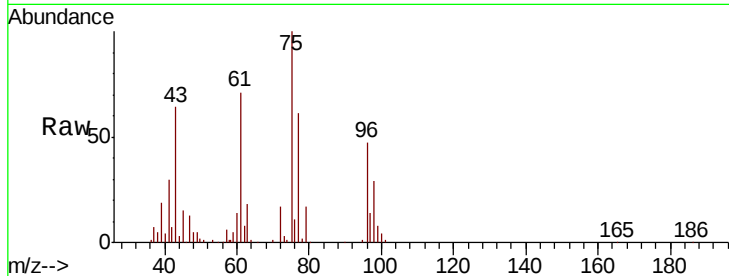
cis-1,2-Dichloroethene
Concen: 5.786 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.4	0.0	289.8	
98	62.3	0.0	131.8	

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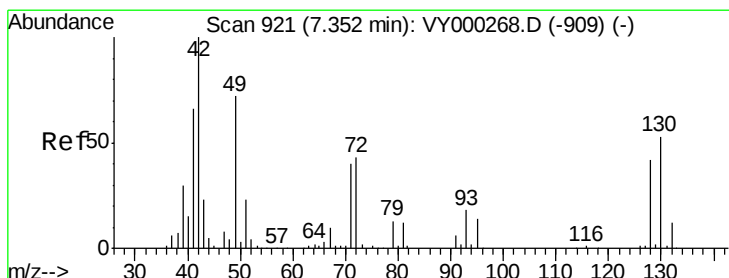
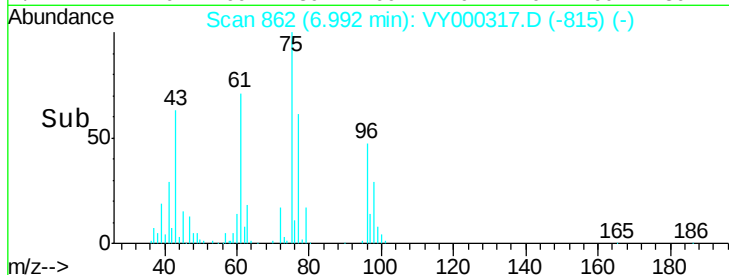
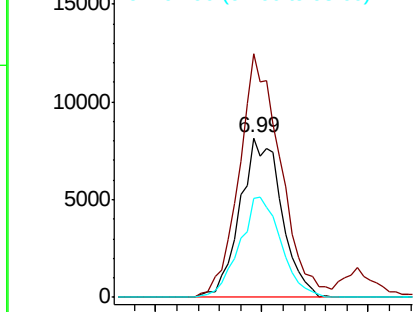


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

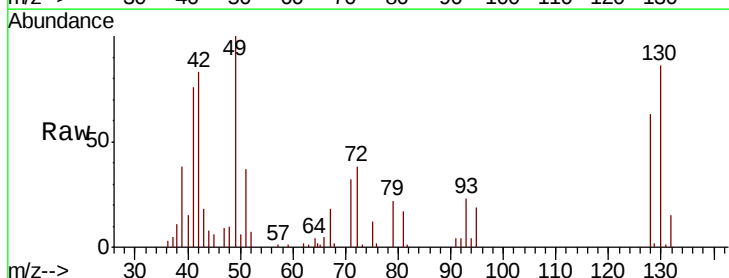
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
Concen: 5.751 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	4.0	
130	76.0	58.2	87.2	

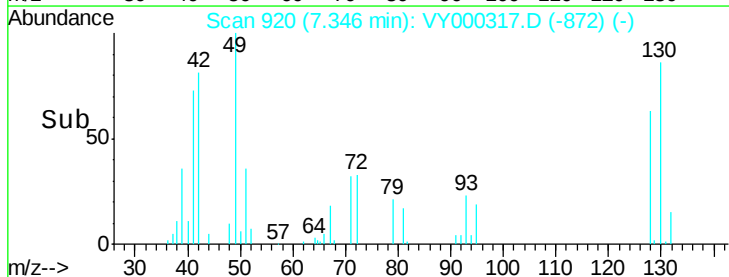
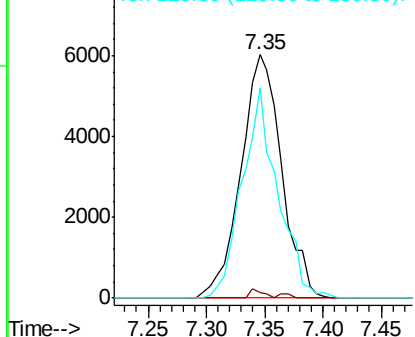


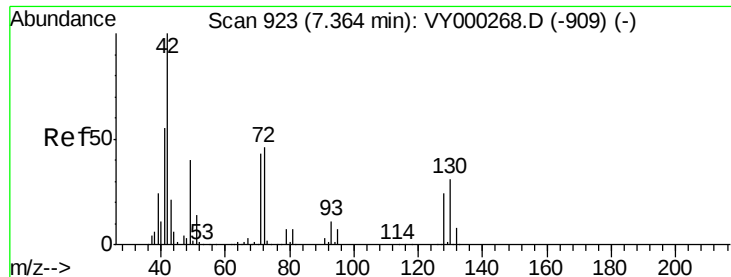
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





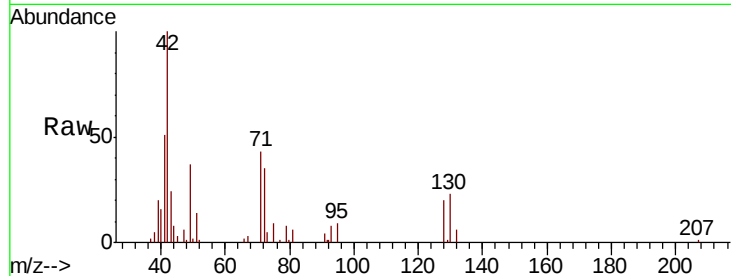
#29
Tetrahydrofuran
Concen: 27.259 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

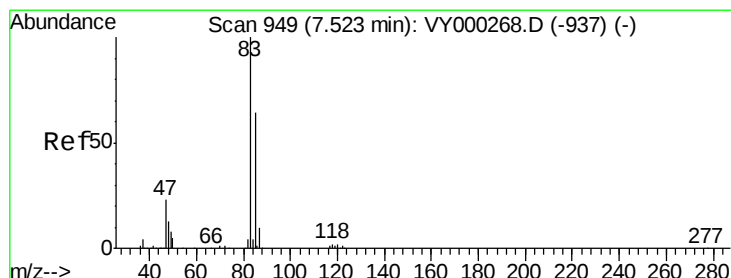
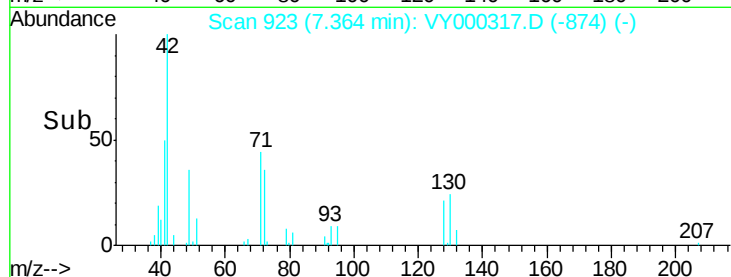
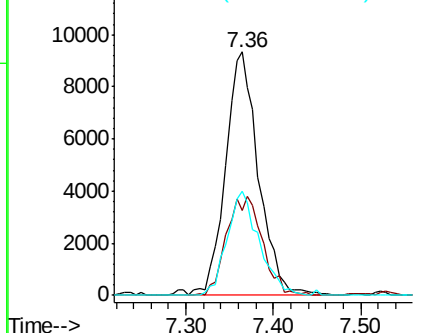
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.5	51.7
71	41.6	32.7	49.1

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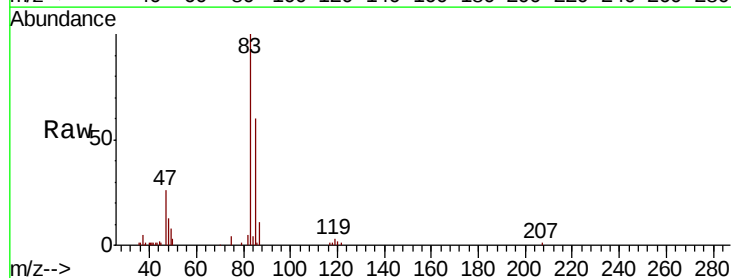


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

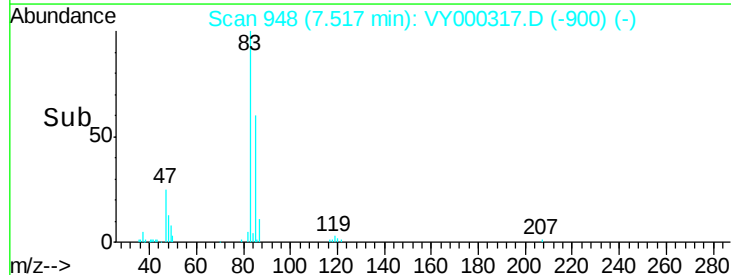
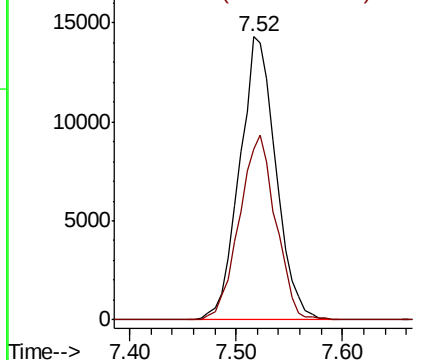


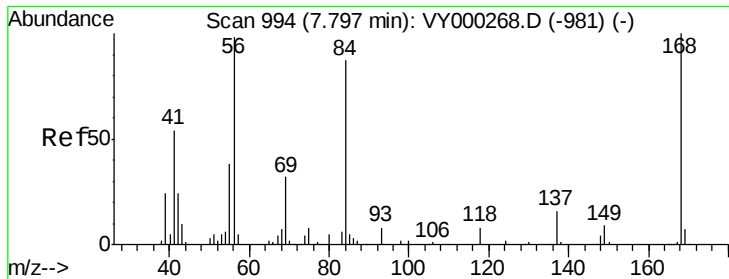
#30
Chloroform
Concen: 5.724 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





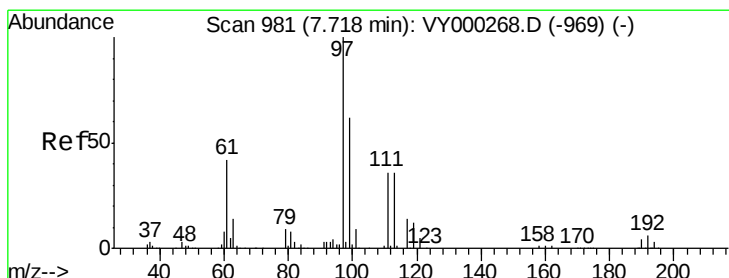
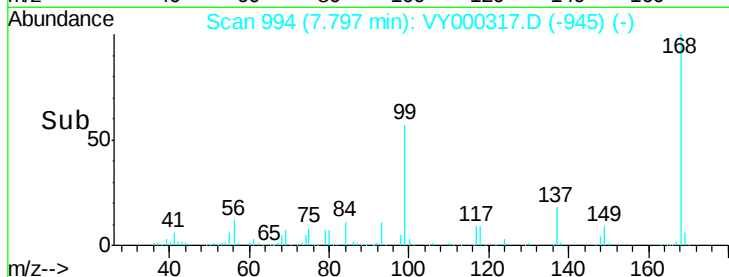
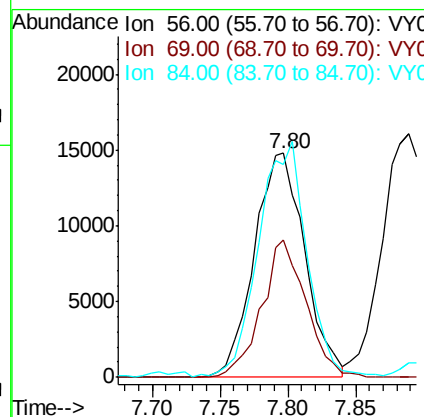
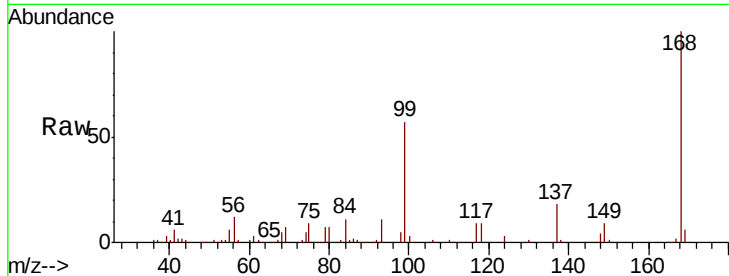
#31
Cyclohexane
Concen: 6.176 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.3	26.3	39.5#
84	94.8	70.8	106.2

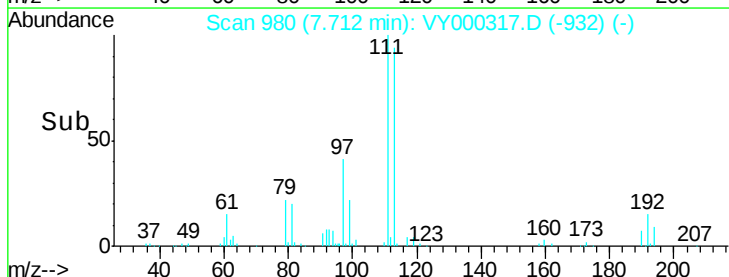
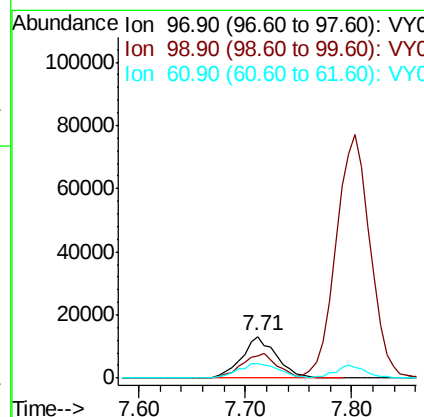
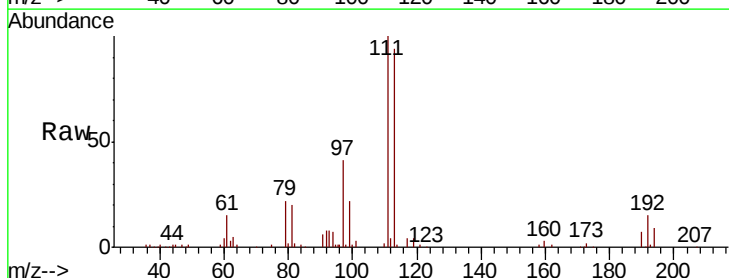
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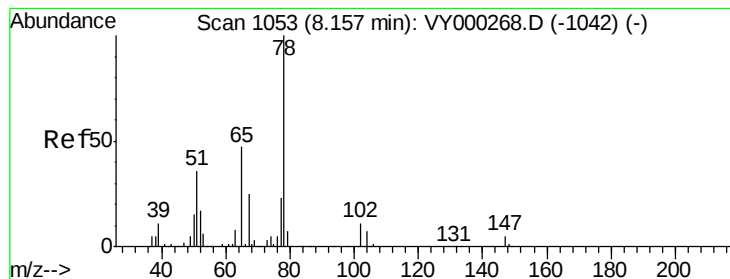
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#32
1,1,1-Trichloroethane
Concen: 5.631 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.0	51.7	77.5
61	42.0	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 54.517 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 65 Resp: 176876

Ion Ratio Lower Upper

65 100

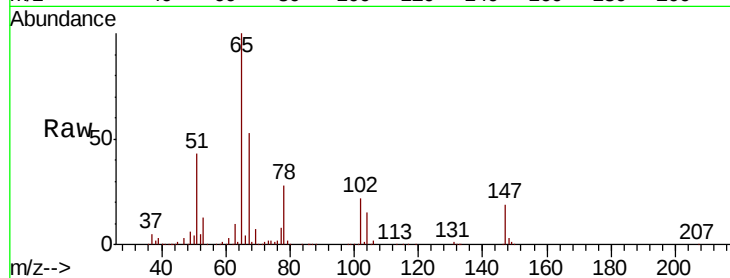
67 53.4 0.0 109.4

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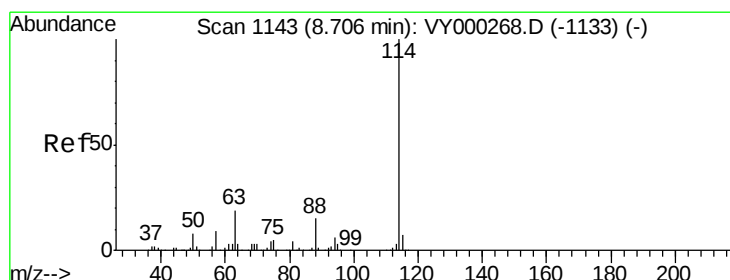
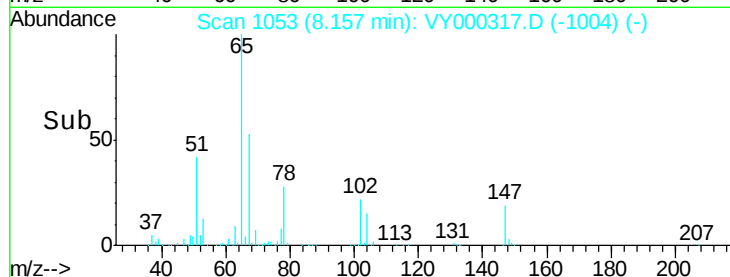
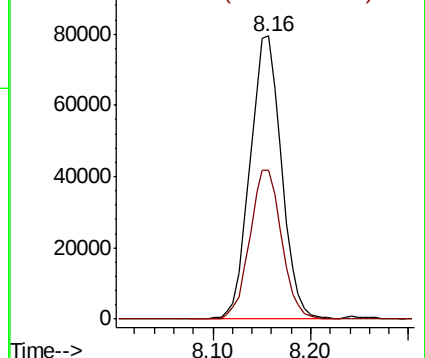
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

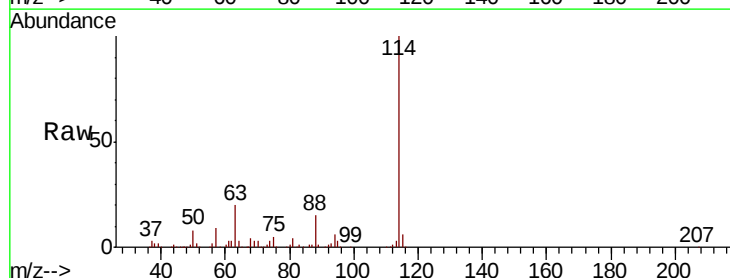
Tgt Ion: 114 Resp: 508629

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.2

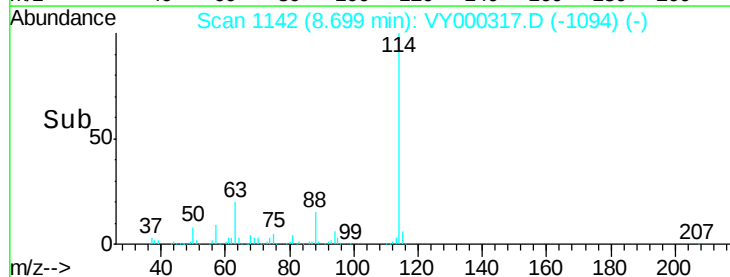
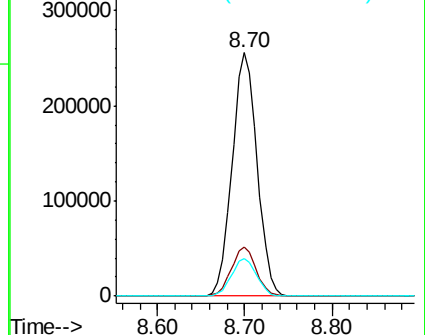
88 15.3 0.0 30.2

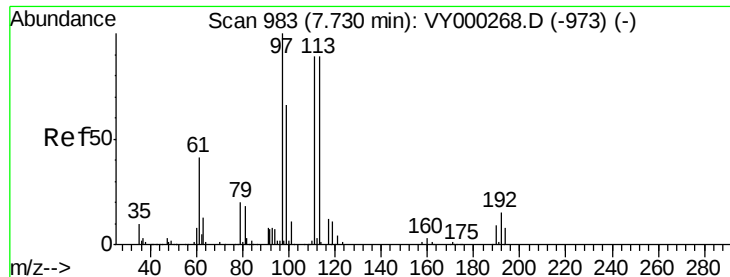


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.319 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

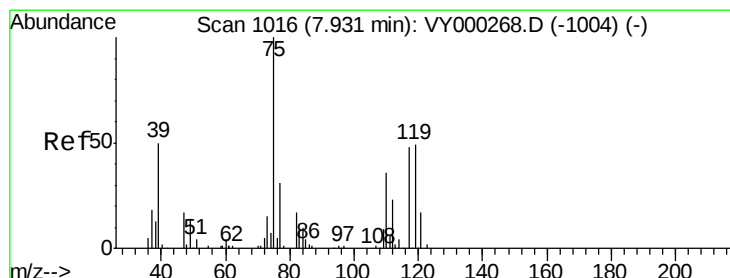
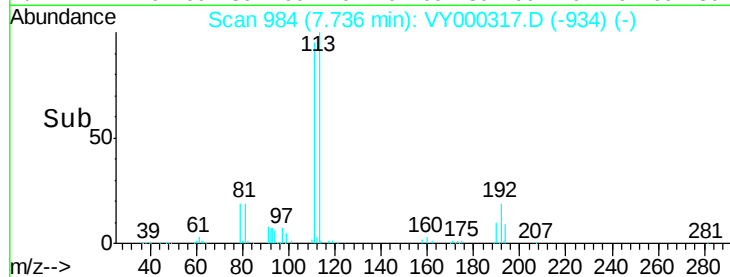
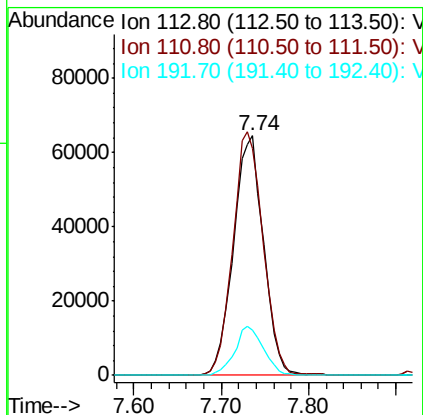
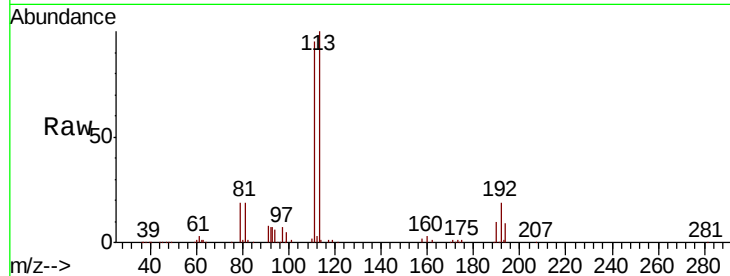
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	113	Resp:	154384
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.6	122.4
192	19.3	15.3	22.9

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#36

1,1-Dichloropropene

Concen: 5.581 ug/l

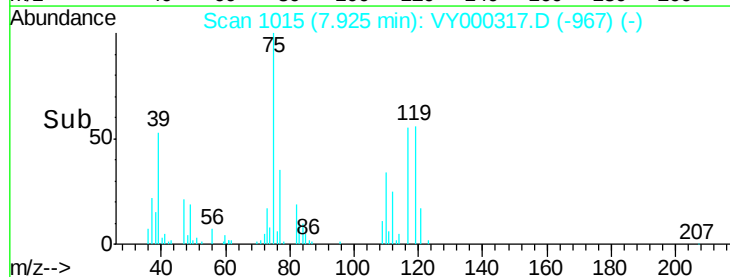
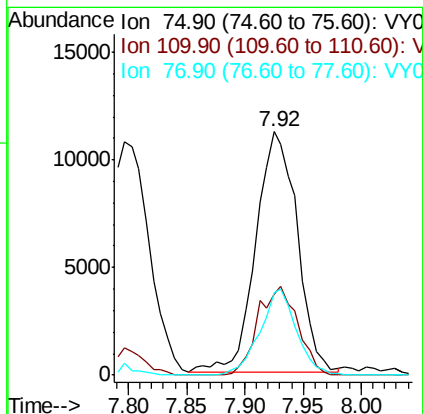
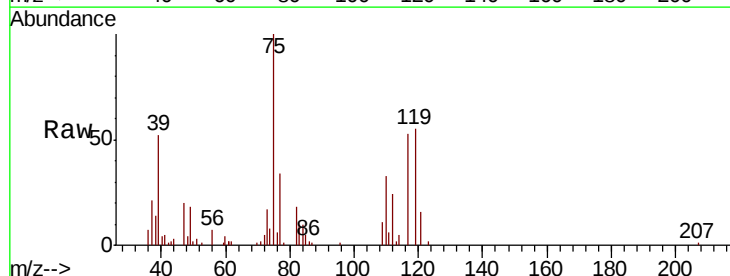
RT: 7.92 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Tgt Ion:	75	Resp:	27794
Ion Ratio	Lower	Upper	
75	100		
110	35.2	18.4	55.4
77	31.5	25.0	37.6





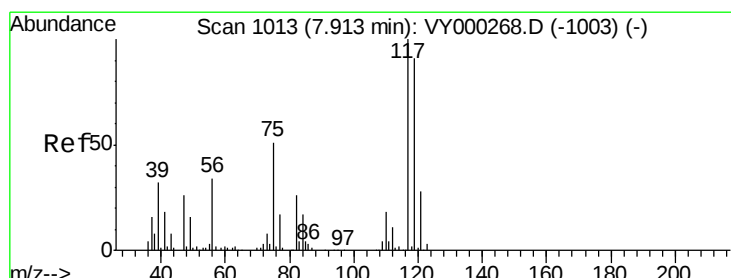
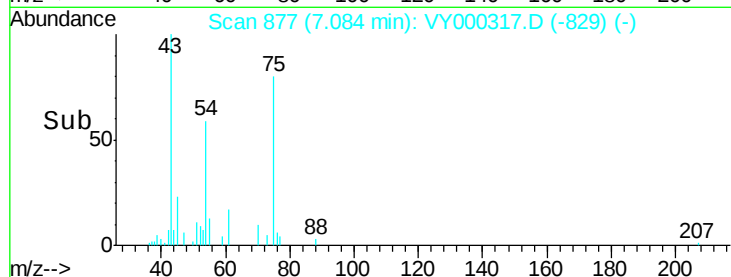
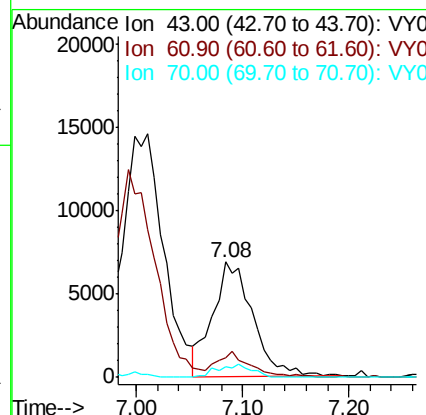
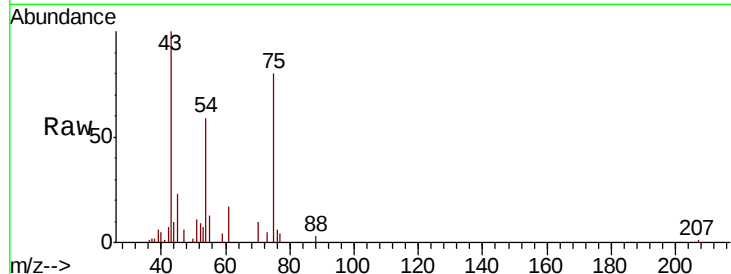
#37
Ethyl Acetate
Concen: 6.132 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.1	18.1
70	9.8	8.7	13.1

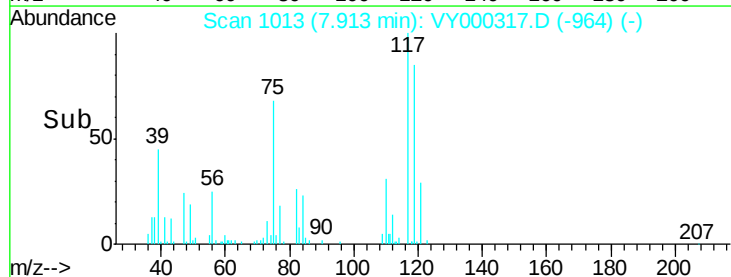
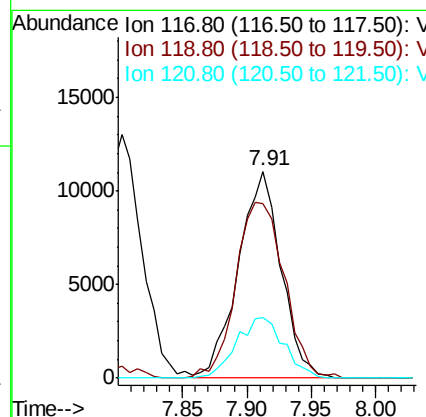
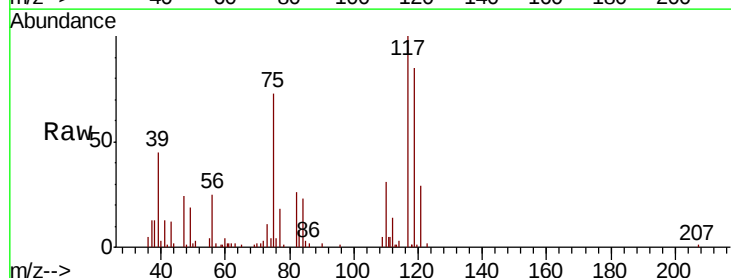
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#38
Carbon Tetrachloride
Concen: 5.259 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.7	72.8	109.2
121	29.5	22.2	33.2





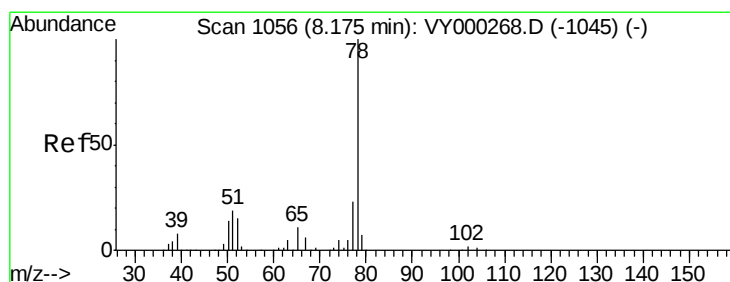
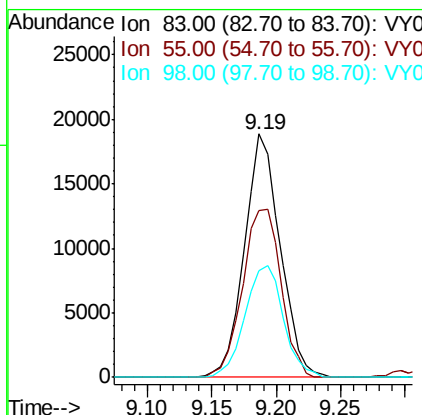
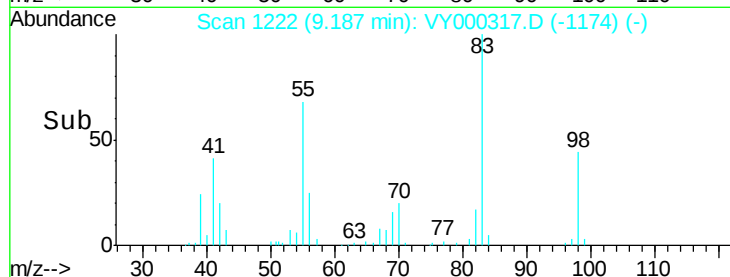
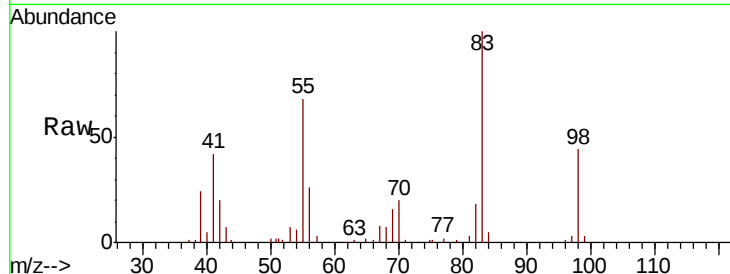
#39
Methvlcvclohexane
Concen: 5.530 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	60.9	91.3
98	43.8	41.8	62.6

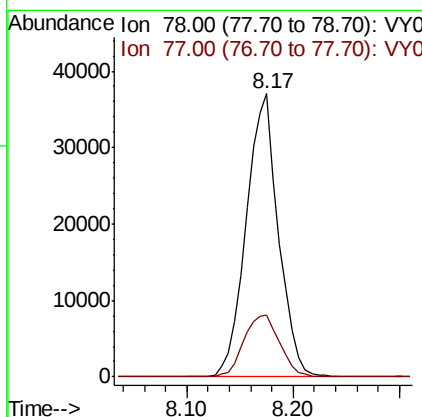
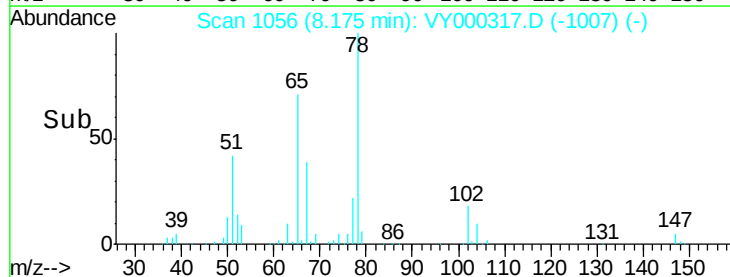
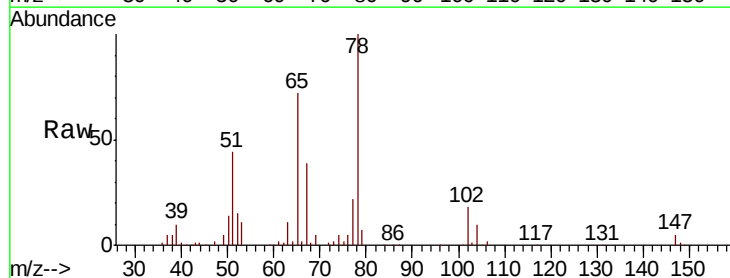
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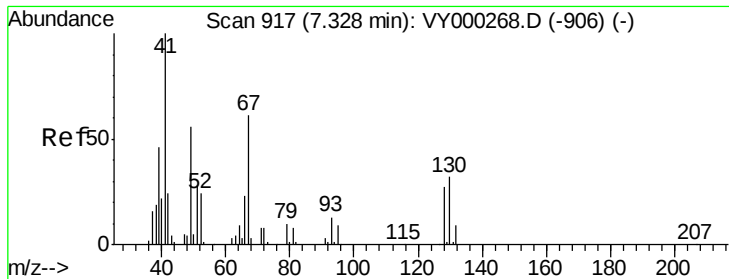
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#40
Benzene
Concen: 5.468 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.8	28.2





#41

Methacrylonitrile

Concen: 7.098 ug/l

RT: 7.33 min Scan# 917

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 41 Resp: 9962

Ion Ratio Lower Upper

41 100

39 82.0 110.2 165.2#

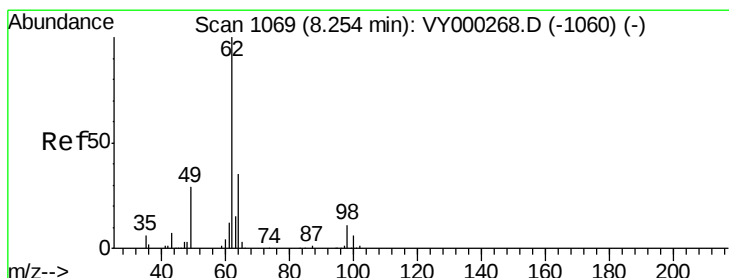
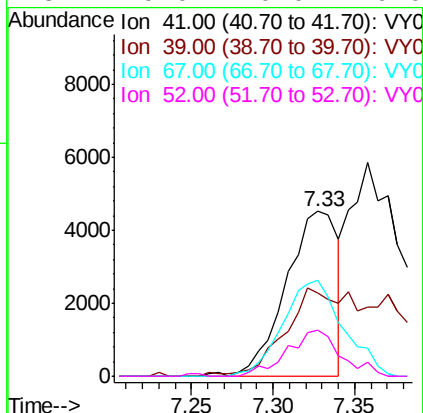
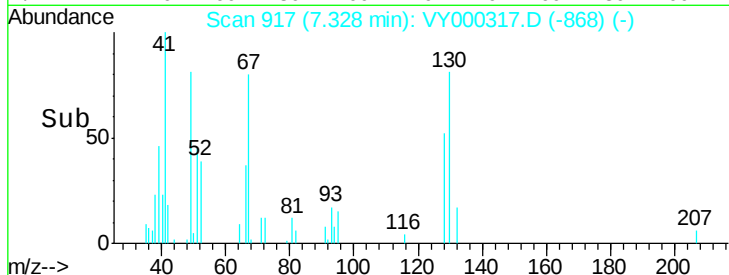
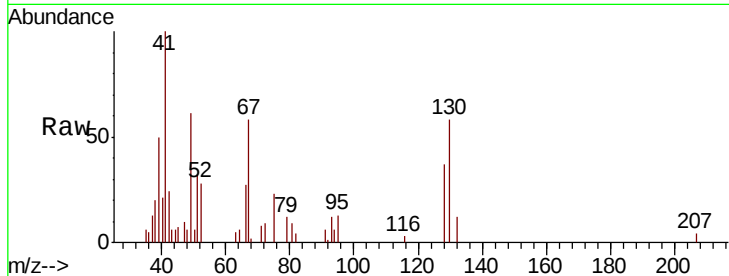
67 67.7 0.0 0.0#

52 29.0 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 5.643 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000317.D

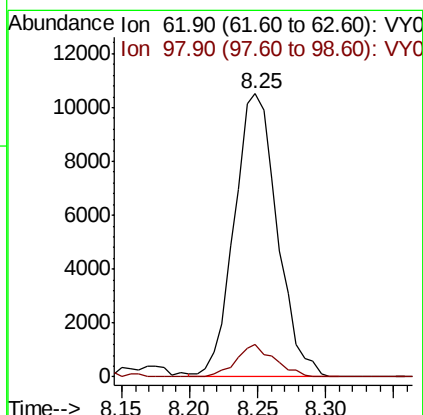
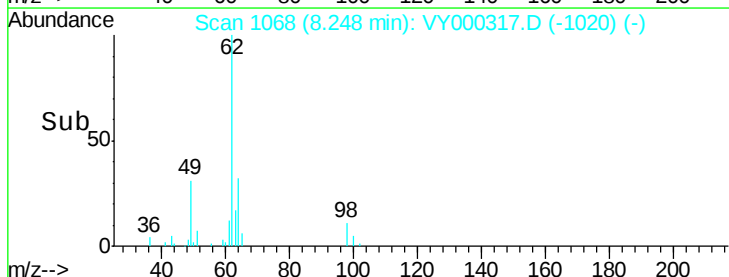
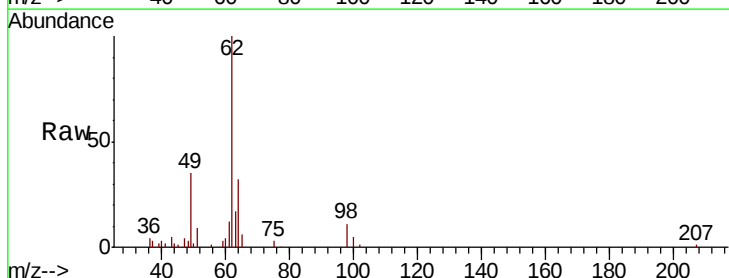
Acq: 15 Oct 2019 14:02

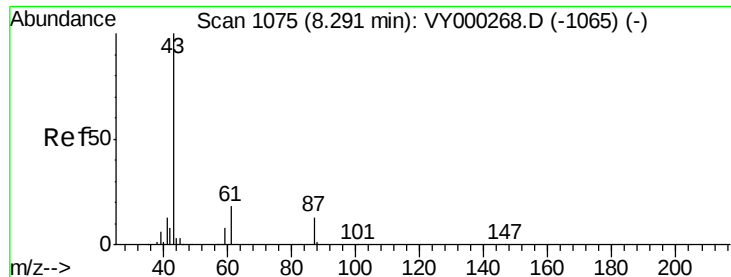
Tgt Ion: 62 Resp: 23197

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.6





#43

Isopropyl Acetate

Concen: 5.411 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

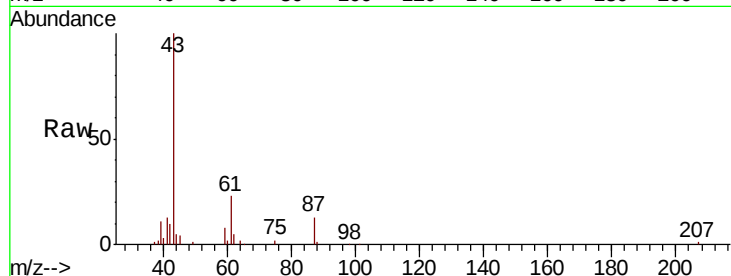
ClientSampleId :

LOQ-SOIL-02-QT4-2019

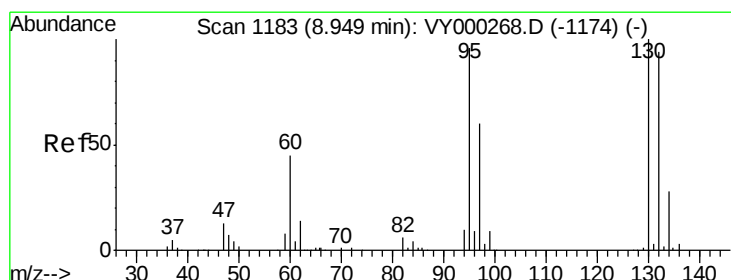
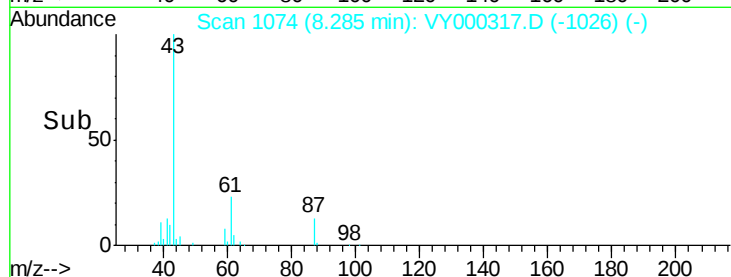
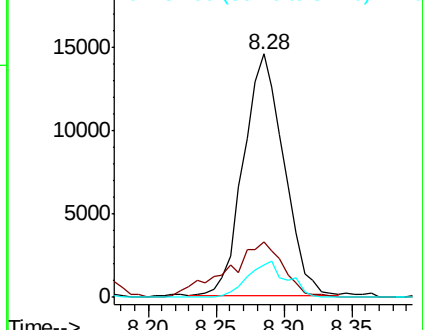
Tot Ion:	43	Resp:	30340
Ion	Ratio	Lower	Upper
43	100		
61	31.5	22.3	33.5
87	14.2	10.9	16.3

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Abundance Ion 43.00 (42.70 to 43.70): VY000317.D (-1074) (-)



#44

Trichloroethene

Concen: 5.270 ug/l

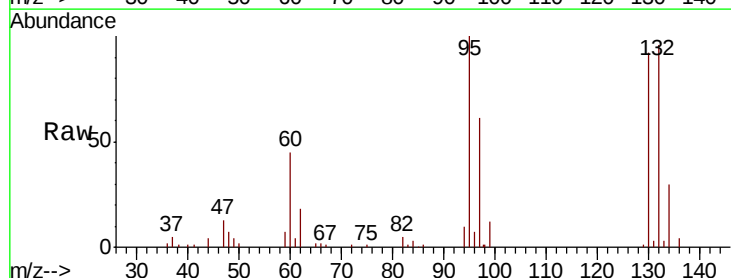
RT: 8.95 min Scan# 1183

Delta R.T. -0.00 min

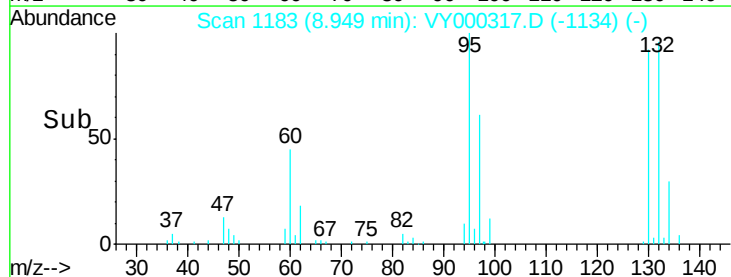
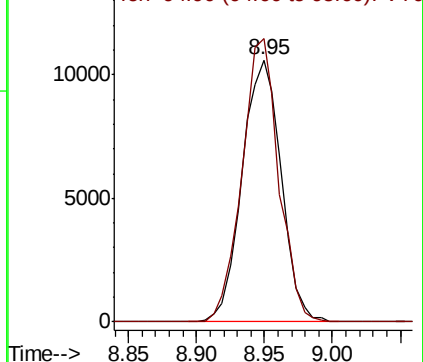
Lab File: VY000317.D

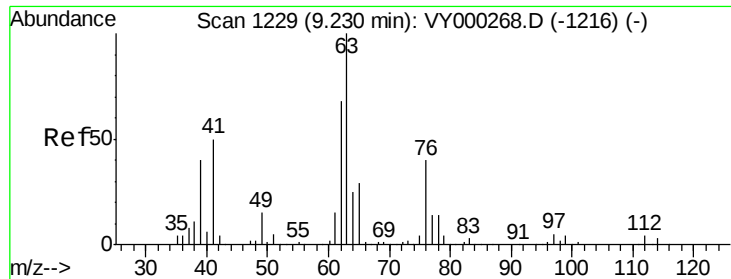
Acq: 15 Oct 2019 14:02

Tgt Ion:	130	Resp:	21281
Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VY000317.D (-1183) (-)





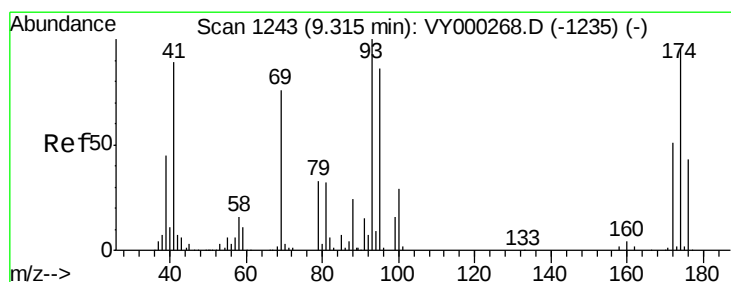
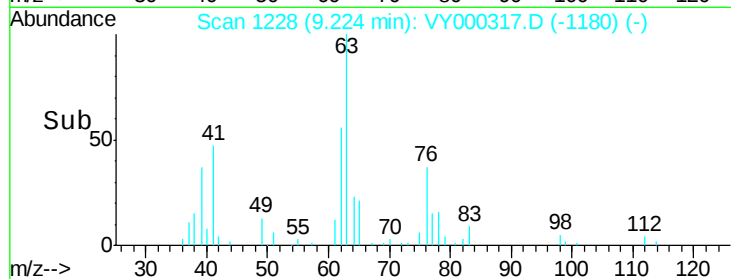
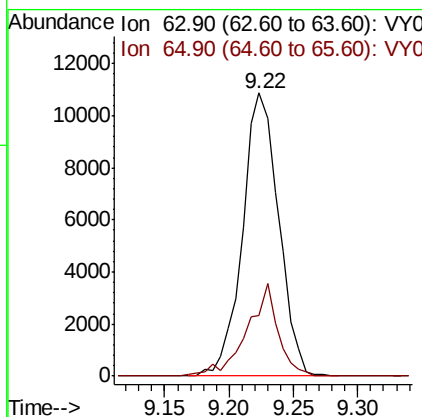
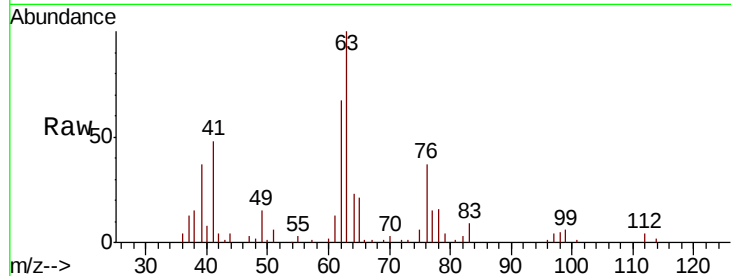
#45
 1,2-Dichloropropane
 Concen: 5.960 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion: 63 Resp: 21050
 Ion Ratio Lower Upper
 63 100
 65 21.5 23.2 34.8#

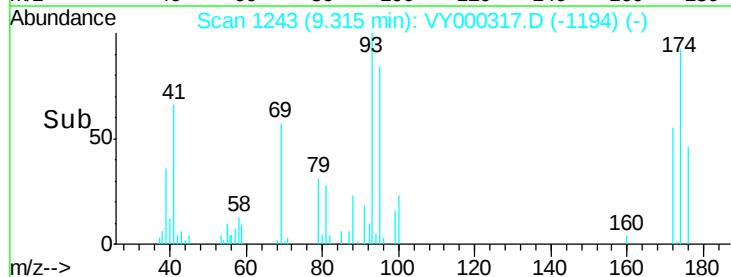
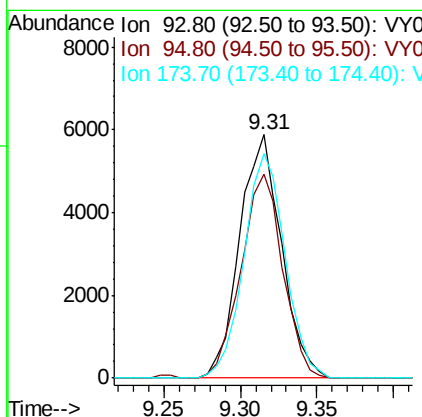
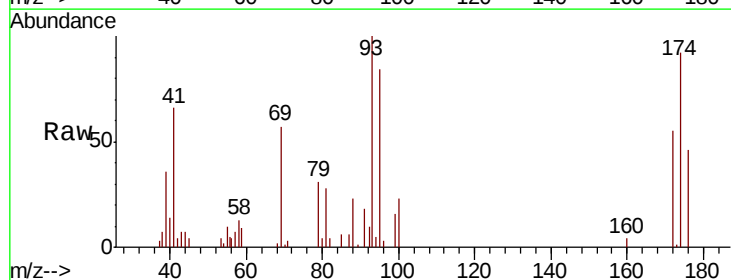
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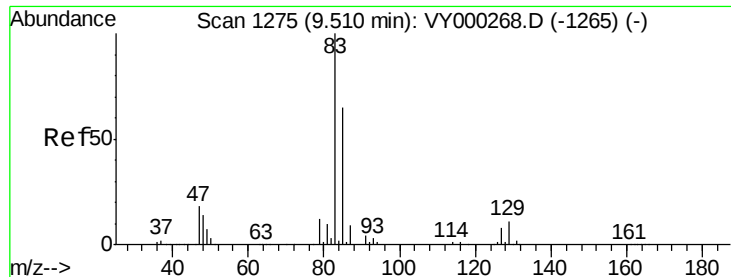
MMDadoda
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#46
 Dibromomethane
 Concen: 5.640 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion: 93 Resp: 11134
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.2 102.2
 174 91.3 79.8 119.6





#47

Bromodichloromethane

Concen: 5.543 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

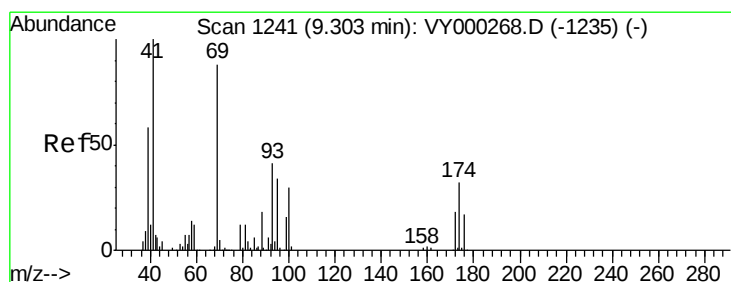
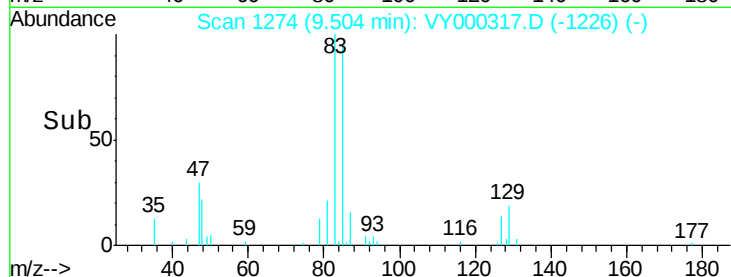
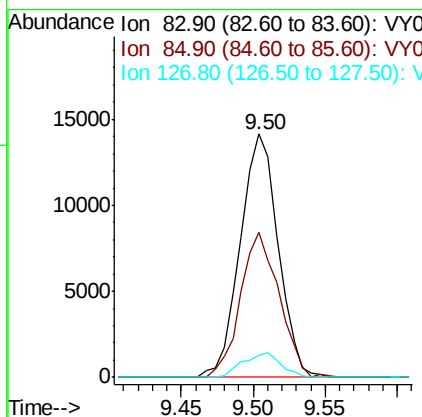
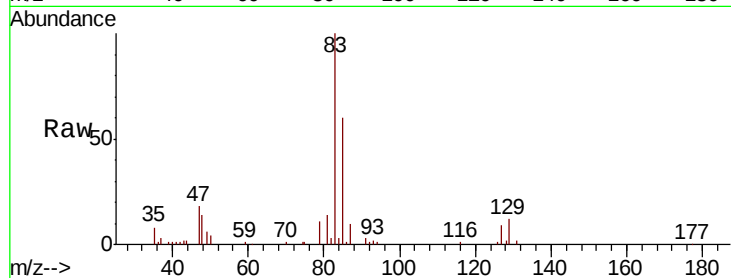
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	83	Resp:	25788
Ion	Ratio	Lower	Upper
83	100		
85	59.6	52.2	78.2
127	8.9	6.3	9.5

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#48

Methyl methacrylate

Concen: 5.968 ug/l

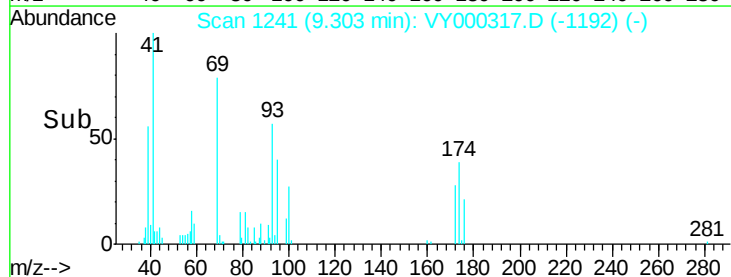
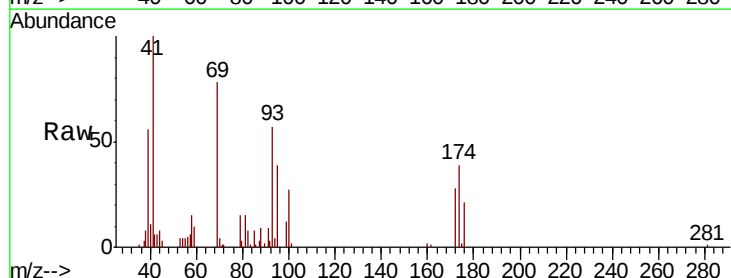
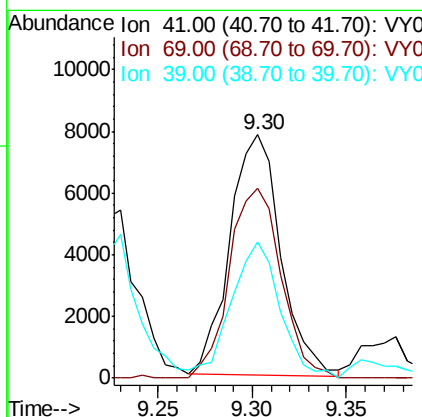
RT: 9.30 min Scan# 1241

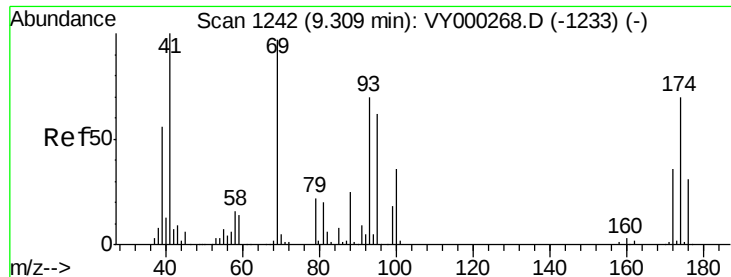
Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Tgt Ion:	41	Resp:	14664
Ion	Ratio	Lower	Upper
41	100		
69	80.1	70.0	105.0
39	53.8	47.7	71.5





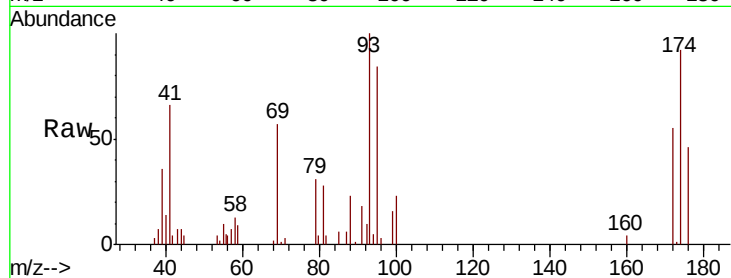
#49
1,4-Dioxane
Concen: 91.280 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

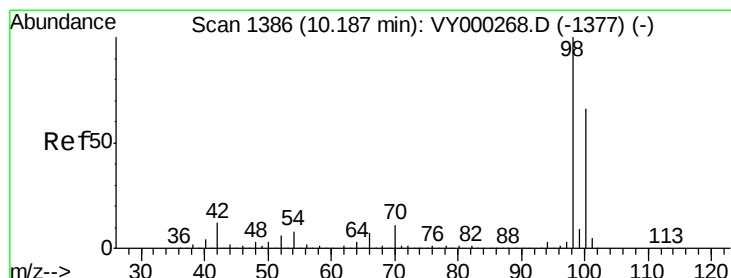
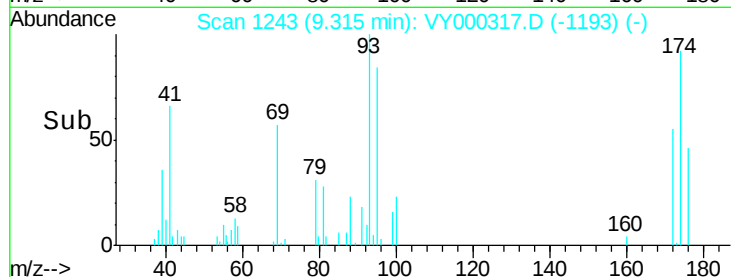
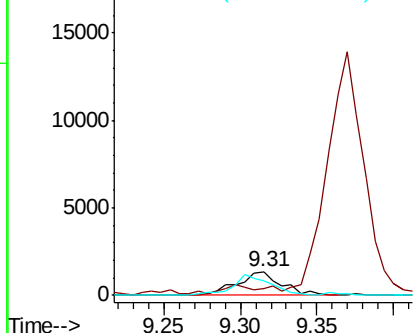
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.6	38.4#
58	75.0	54.6	81.8

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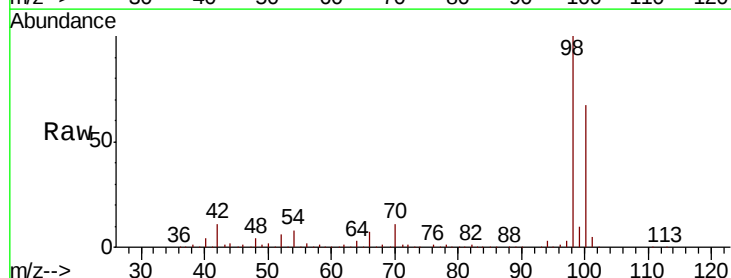


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

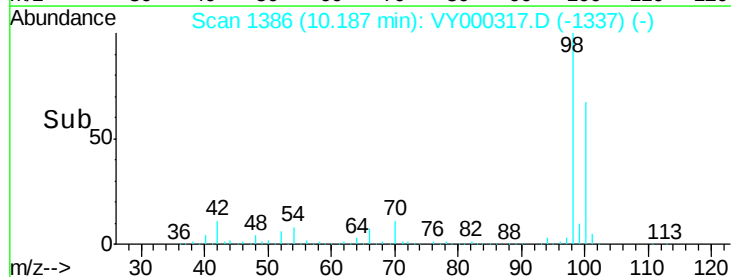
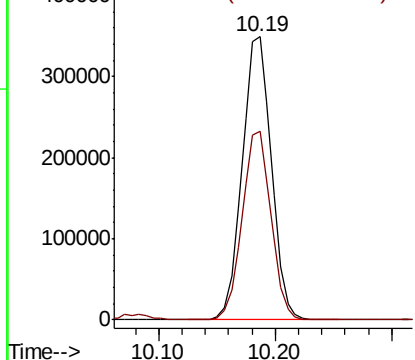


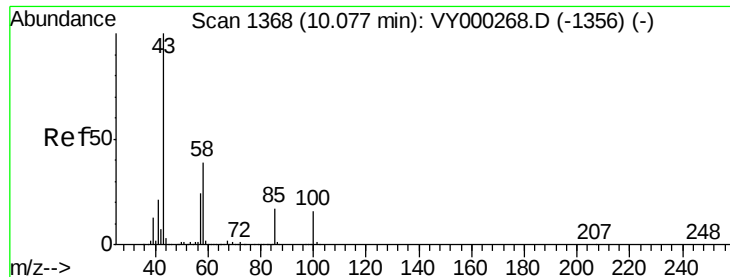
#50
Toluene-d8
Concen: 51.779 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 28.969 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 43 Resp: 83772

Ion Ratio Lower Upper

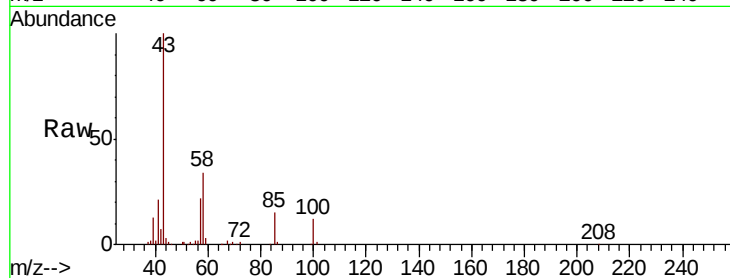
43 100

58 36.6 31.0 46.6

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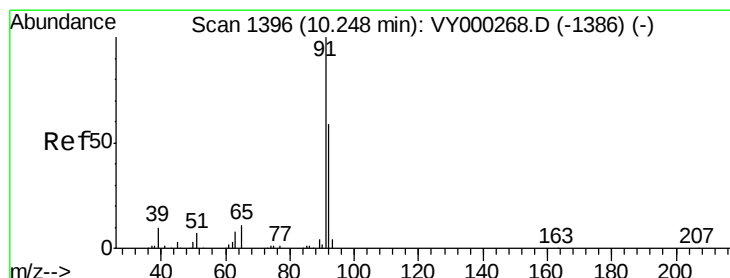
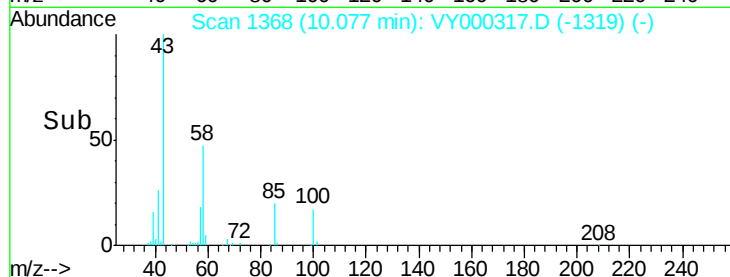
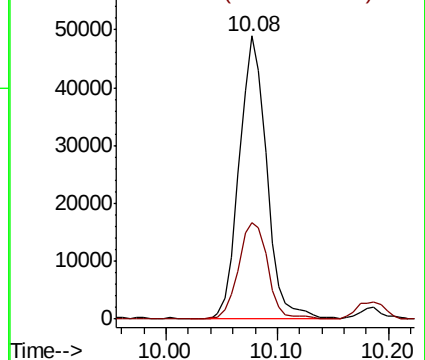
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 5.417 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000317.D

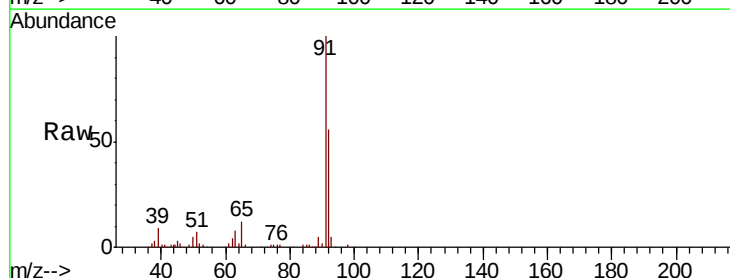
Acq: 15 Oct 2019 14:02

Tgt Ion: 92 Resp: 49496

Ion Ratio Lower Upper

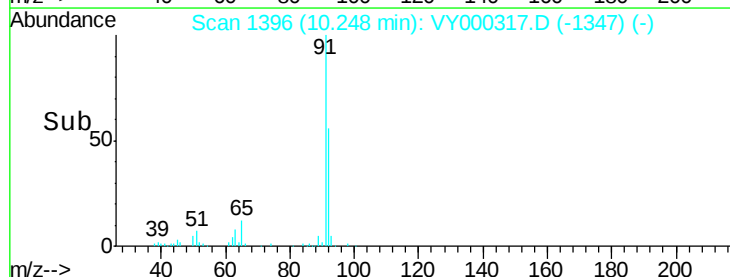
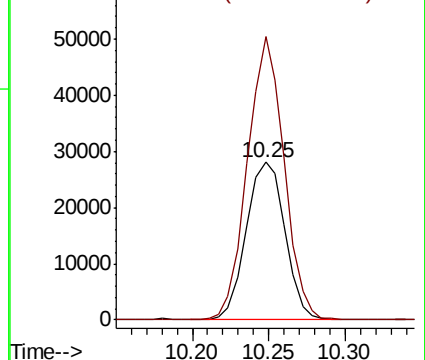
92 100

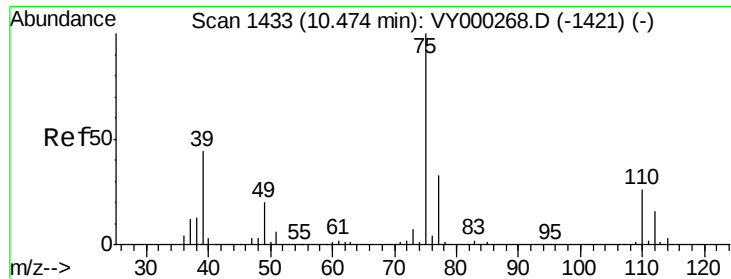
91 169.5 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





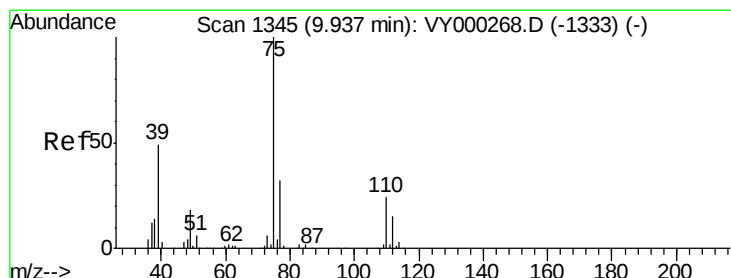
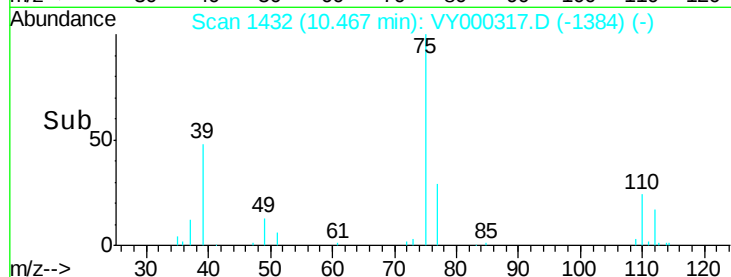
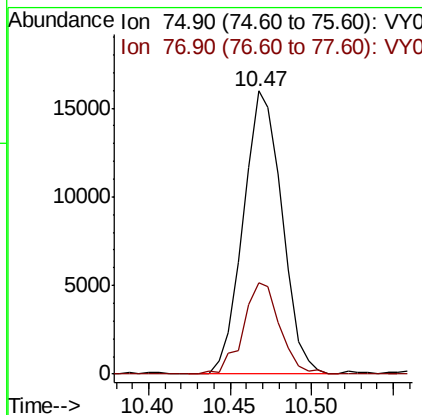
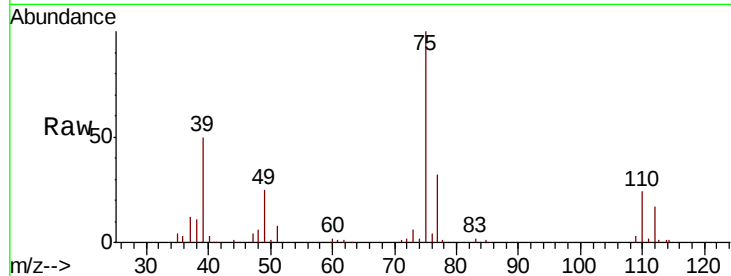
#53
t-1,3-Dichloropropene
Concen: 5.303 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion: 75 Resp: 26444
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0

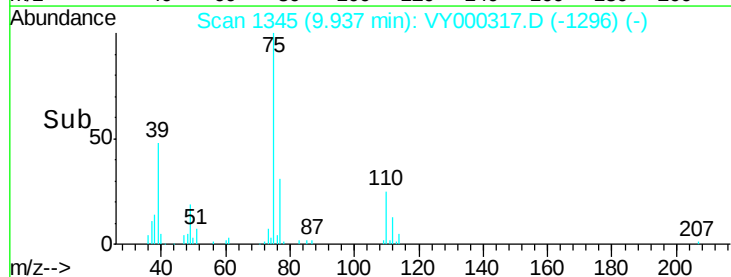
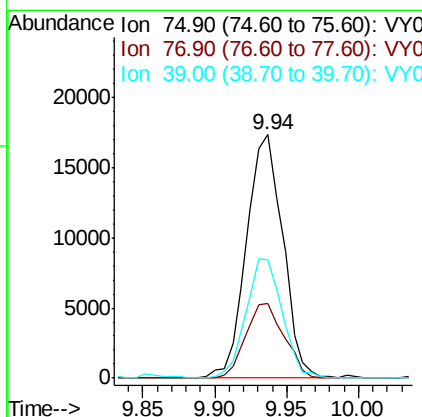
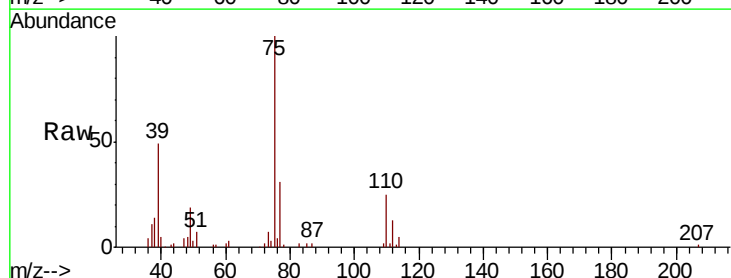
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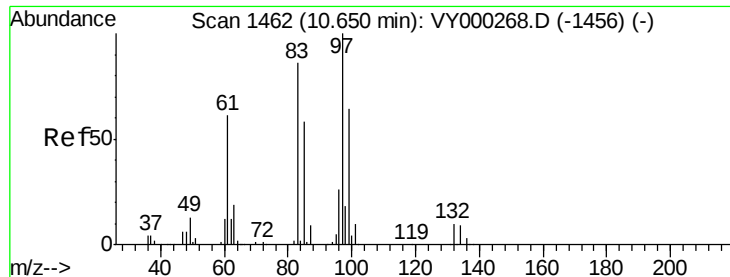
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#54
cis-1,3-Dichloropropene
Concen: 5.358 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion: 75 Resp: 30339
Ion Ratio Lower Upper
75 100
77 30.8 26.0 39.0
39 48.6 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 5.616 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

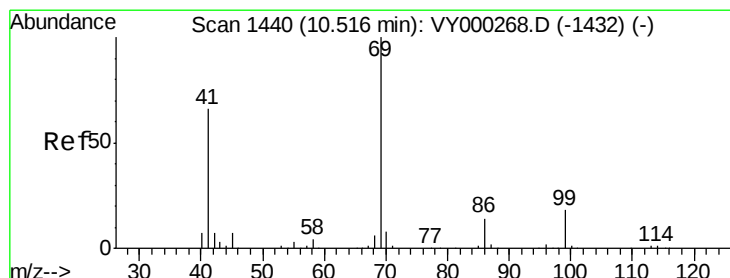
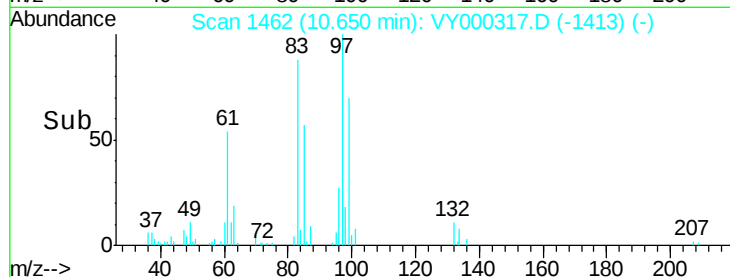
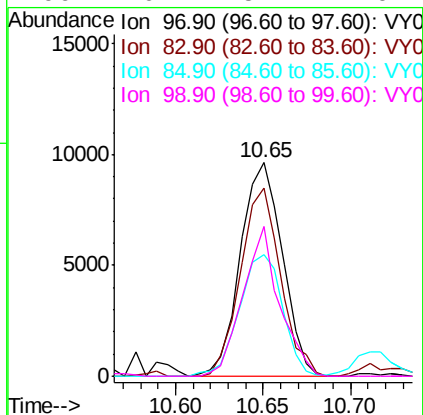
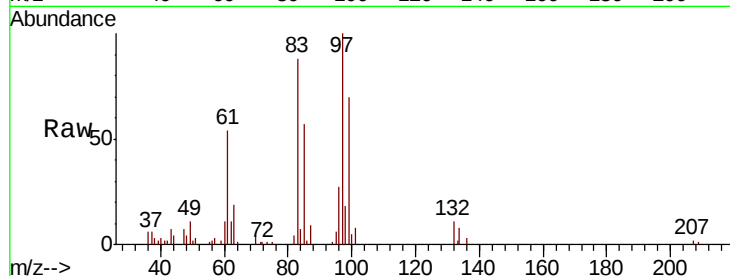
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	97	Resp:	16121
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	57.1	46.2	69.4
99	70.4	51.1	76.7

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#56

Ethyl methacrylate

Concen: 5.212 ug/l

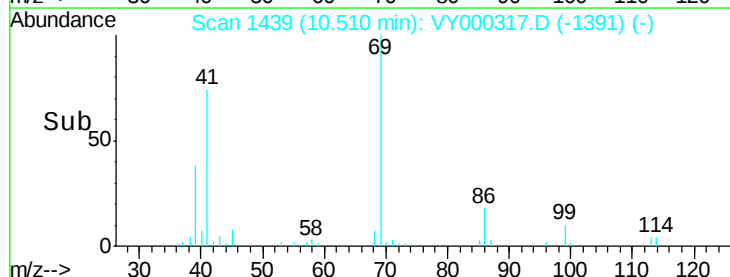
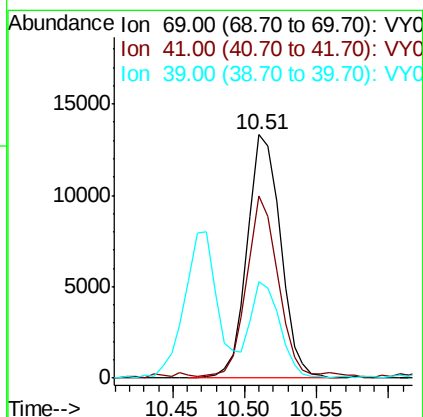
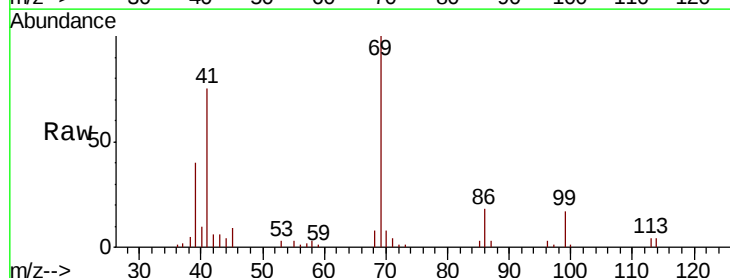
RT: 10.51 min Scan# 1439

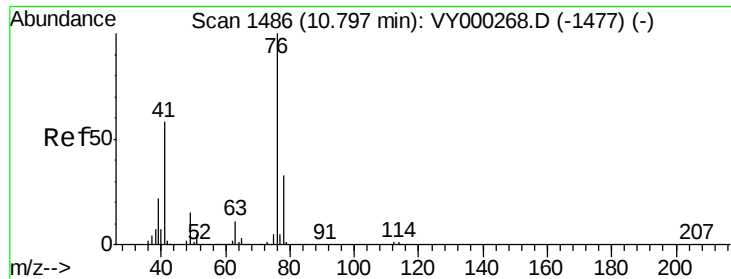
Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Tgt Ion:	69	Resp:	21325
Ion	Ratio	Lower	Upper
69	100		
41	68.7	52.5	78.7
39	34.1	26.7	40.1





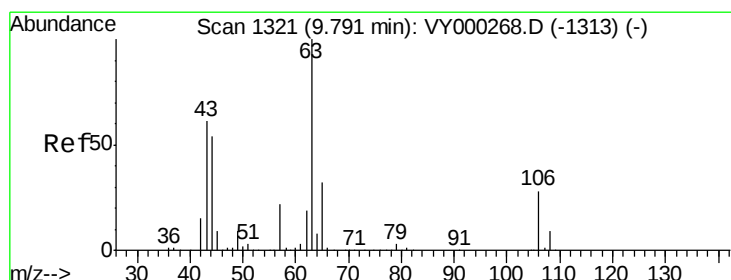
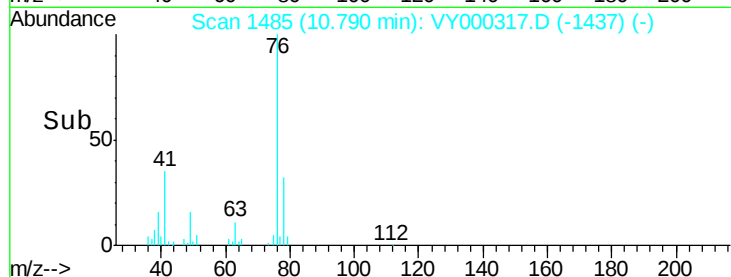
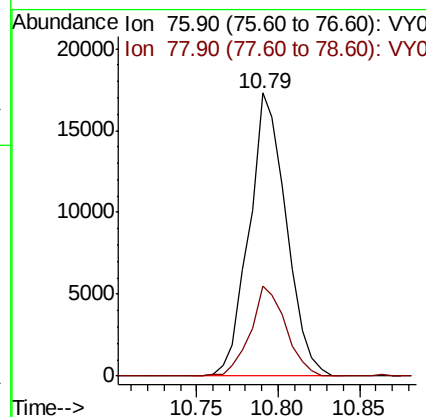
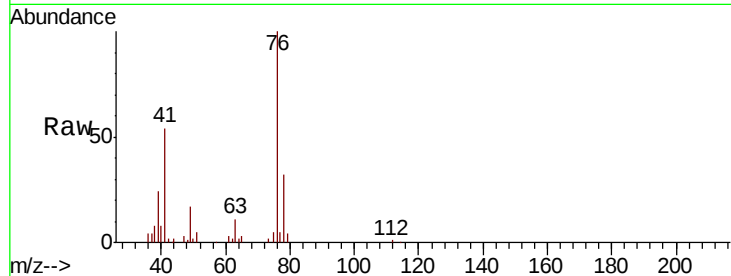
#57
 1,3-Dichloropropane
 Concen: 5.558 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion: 76 Resp: 27400
 Ion Ratio Lower Upper
 76 100
 78 30.3 26.2 39.2

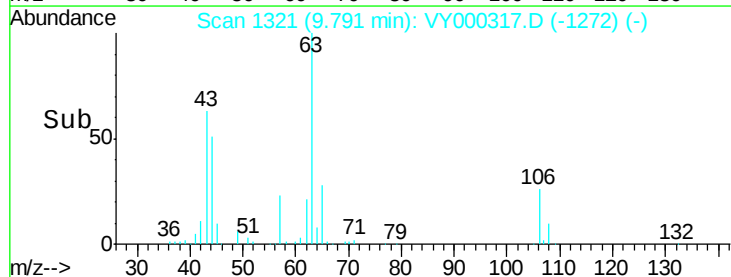
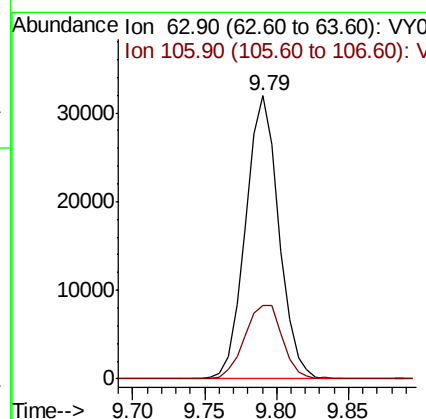
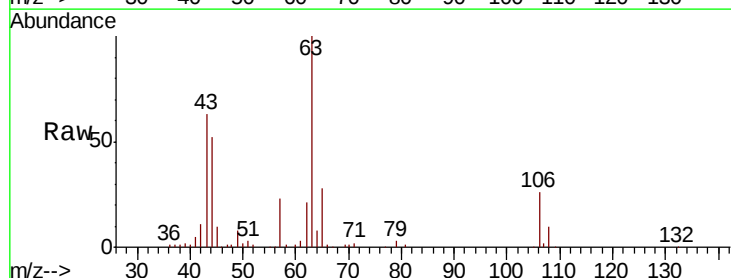
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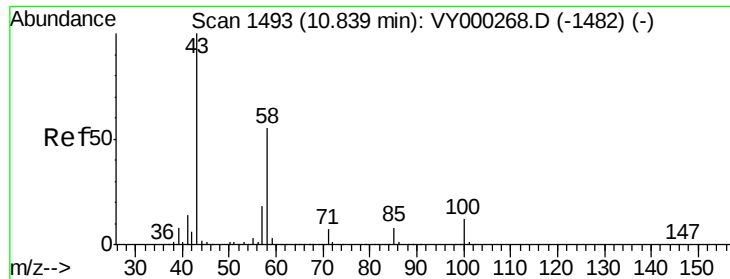
MMDadoda
 10/18/2019 12:40:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 31.247 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion: 63 Resp: 50993
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.0 34.4





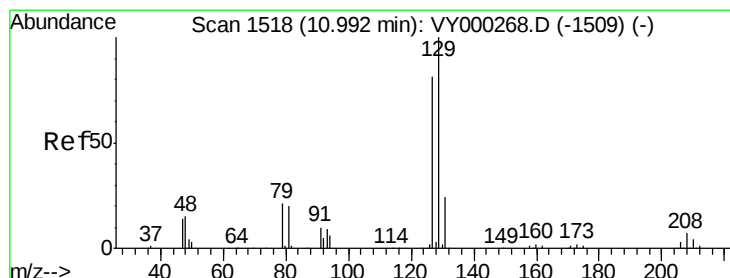
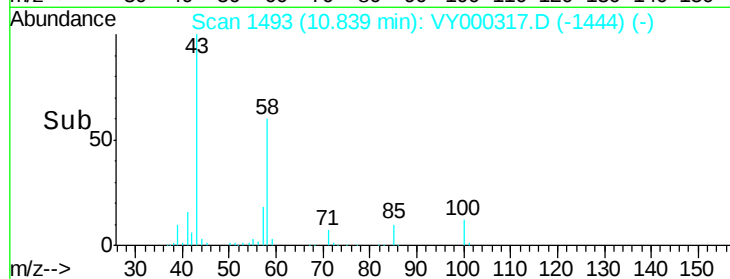
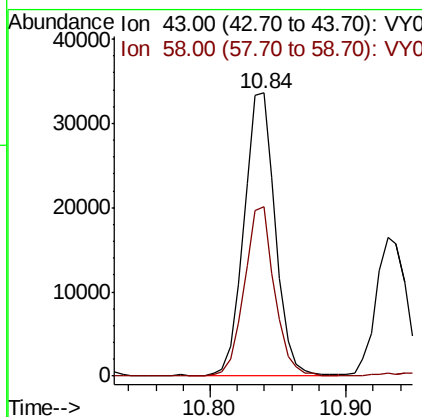
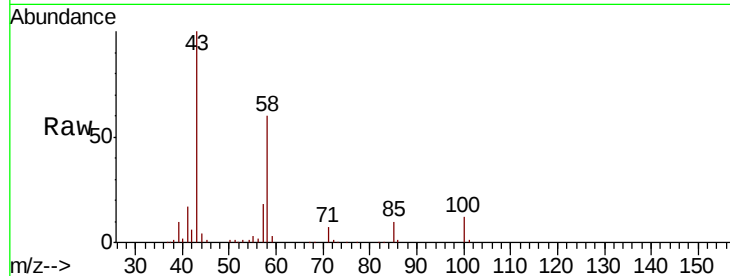
#59
2-Hexanone
Concen: 26.687 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion: 43 Resp: 54167
Ion Ratio Lower Upper
43 100
58 57.5 27.7 83.1

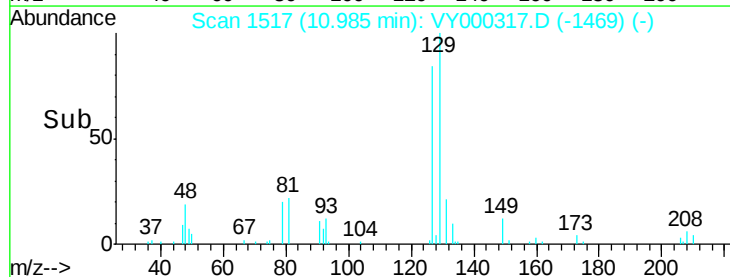
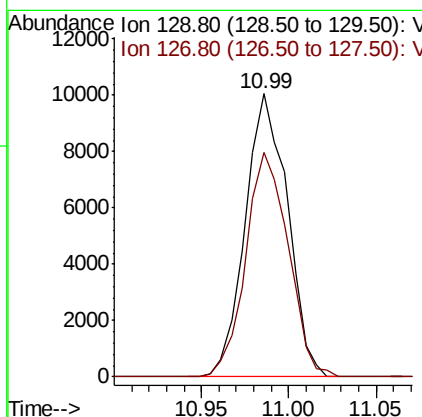
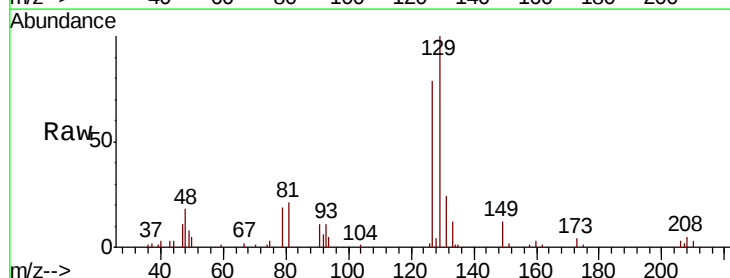
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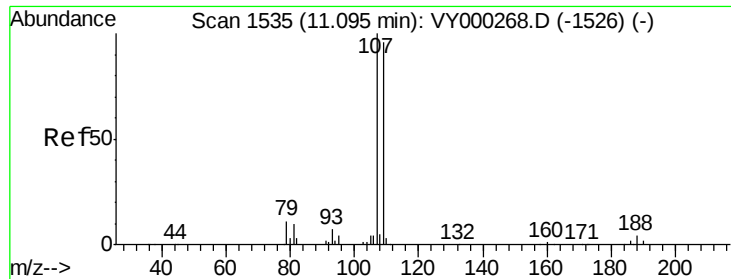
MMDadoda
10/18/2019 12:40:25 AM



#60
Dibromochloromethane
Concen: 5.297 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion: 129 Resp: 16852
Ion Ratio Lower Upper
129 100
127 79.9 39.9 119.7





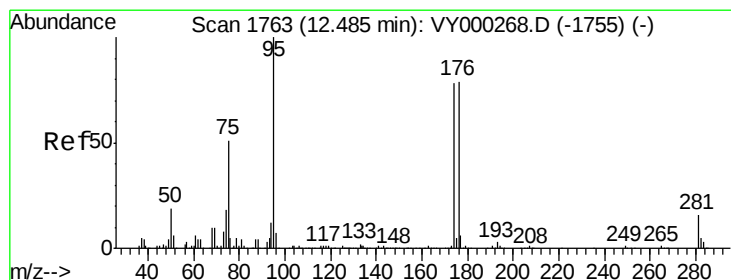
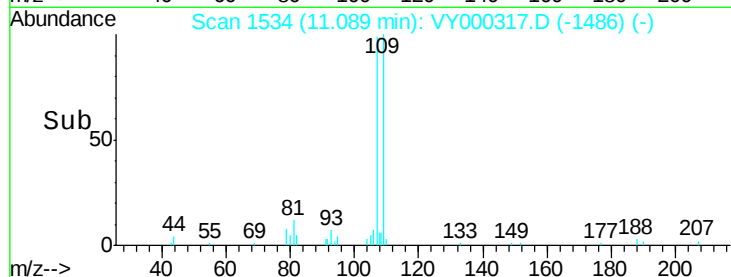
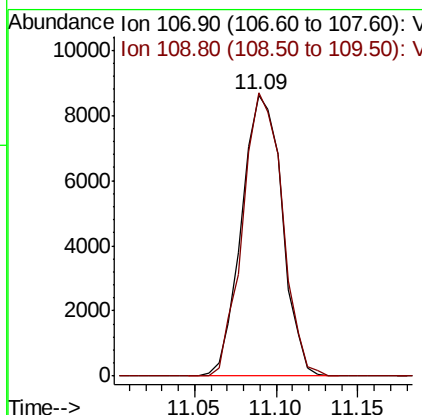
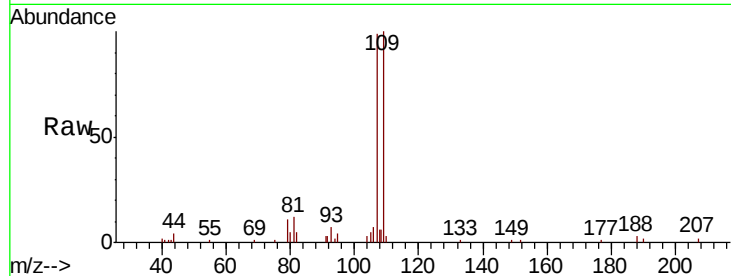
#61
 1,2-Dibromoethane
 Concen: 5.417 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.9	75.1	112.7

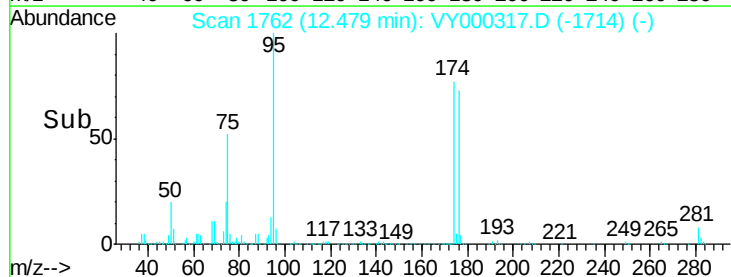
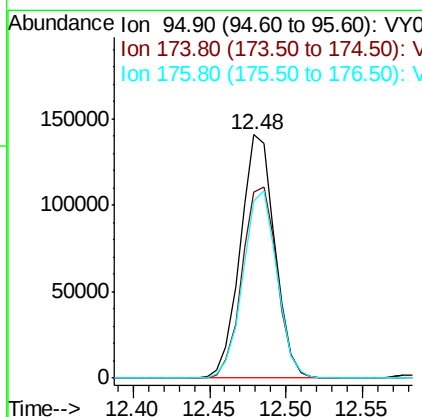
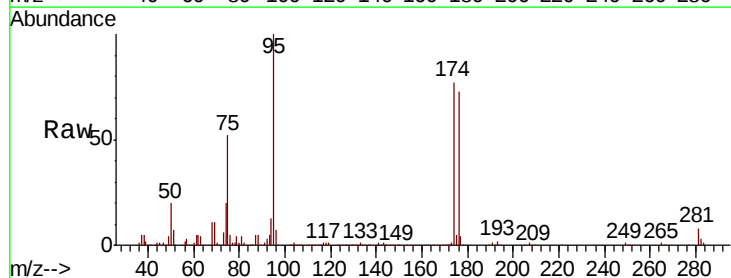
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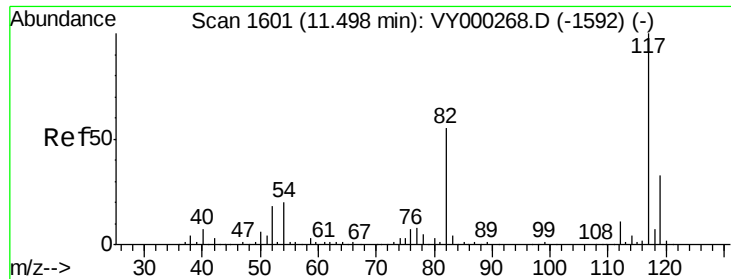
MMDadoda
 10/18/2019 12:40:25 AM



#62
 4-Bromofluorobenzene
 Concen: 49.005 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	159.6
176	76.0	0.0	153.8





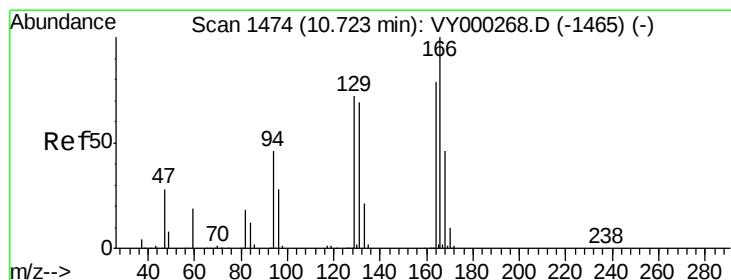
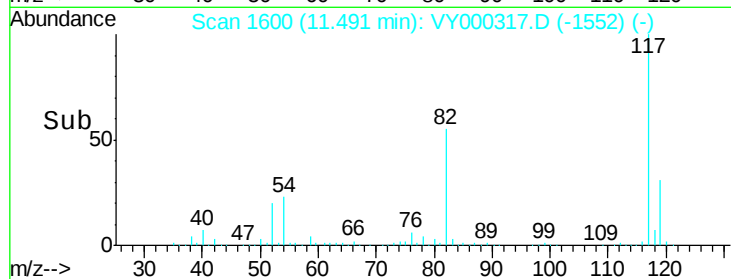
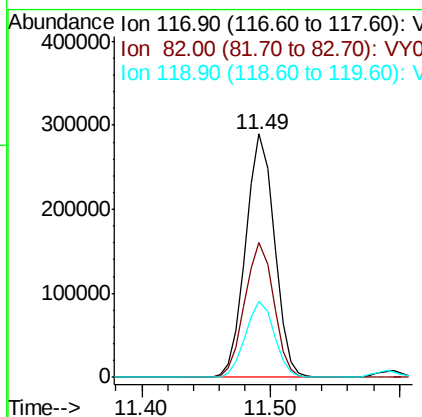
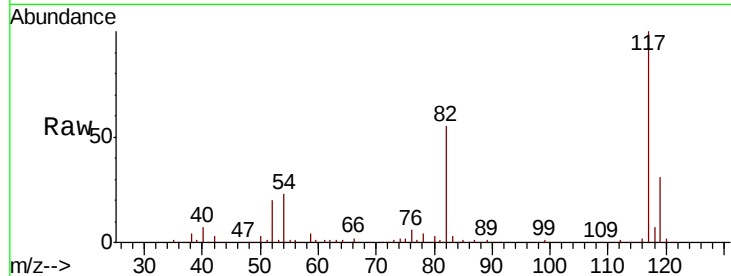
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	447352		
82	55.1	43.7	65.5	
119	31.2	26.6	39.8	

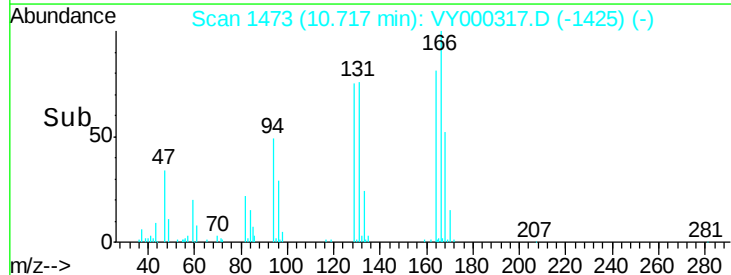
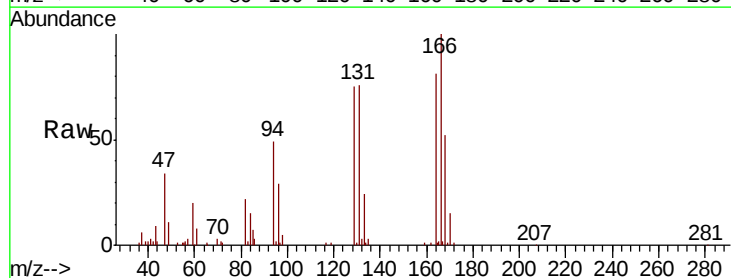
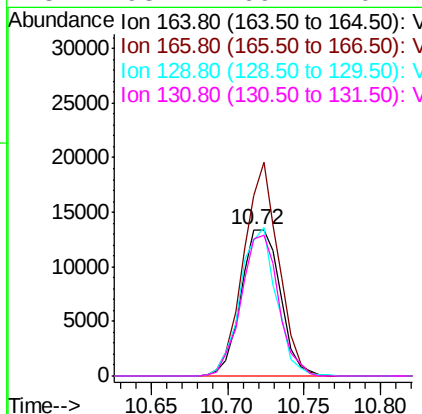
Manual Integrations
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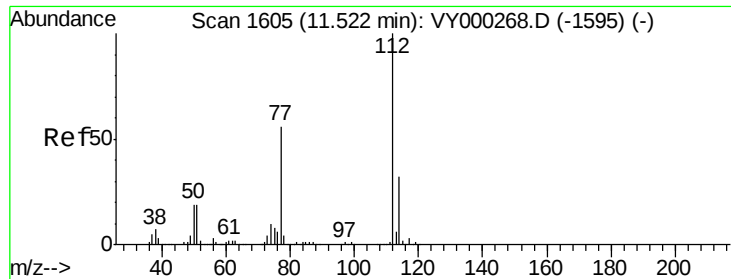
MMDadoda
10/18/2019 12:40:25 AM



#64
Tetrachloroethene
Concen: 5.611 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23896		
166	122.8	100.6	151.0	
129	92.3	72.8	109.2	
131	93.1	69.4	104.2	





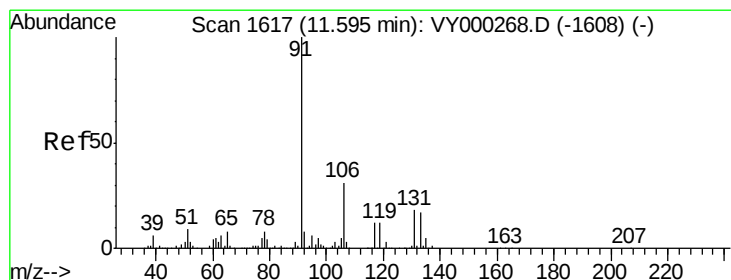
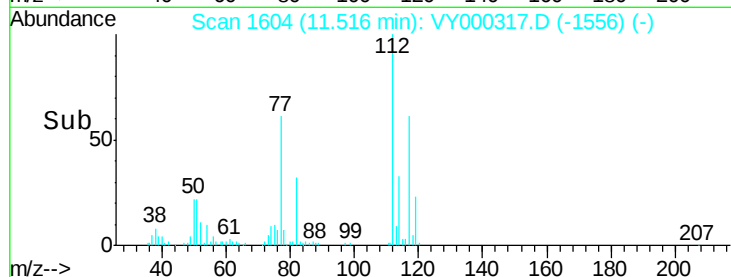
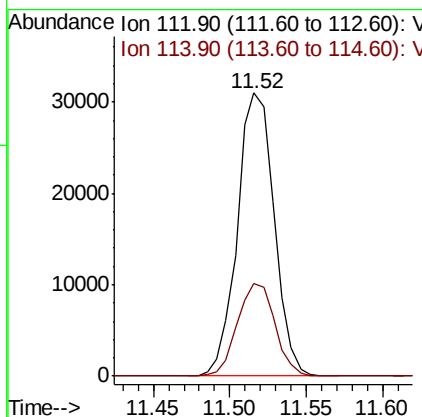
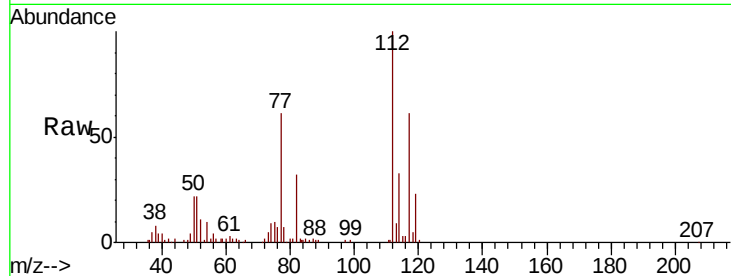
#65
Chlorobenzene
Concen: 5.484 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:112 Resp: 51773
Ion Ratio Lower Upper
112 100
114 32.8 25.7 38.5

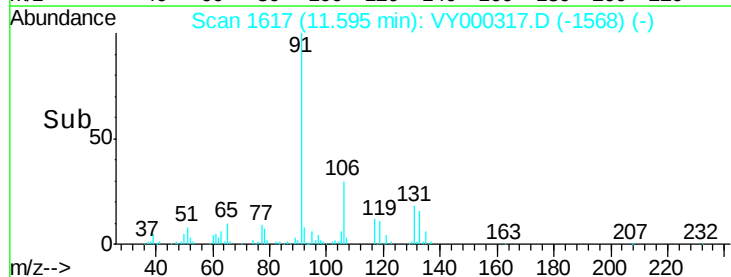
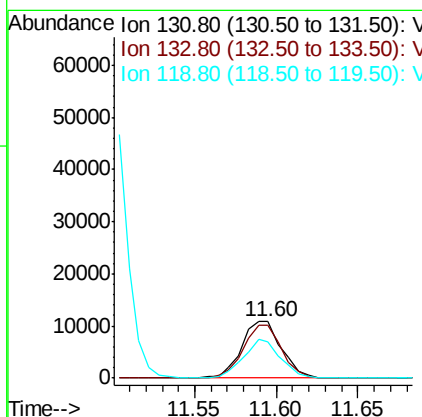
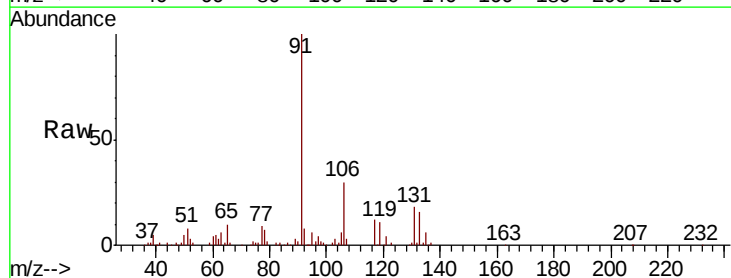
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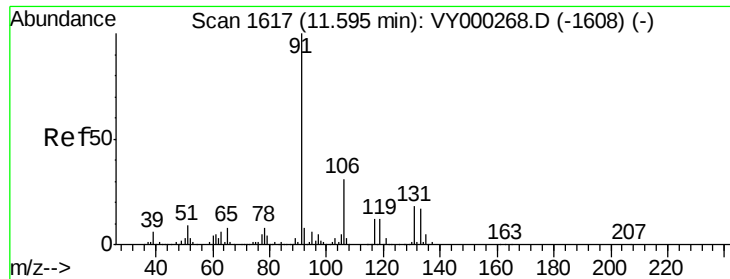
MMDadoda
10/18/2019 12:40:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.544 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion:131 Resp: 18387
Ion Ratio Lower Upper
131 100
133 90.5 47.2 141.6
119 63.0 32.6 98.0





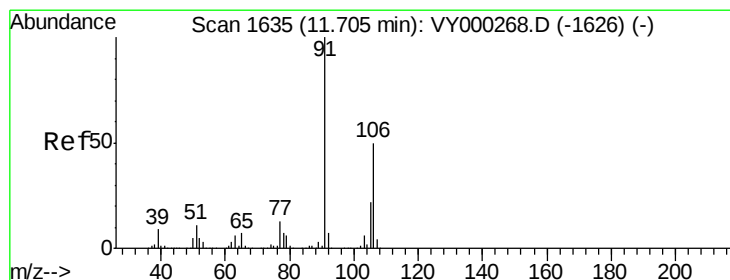
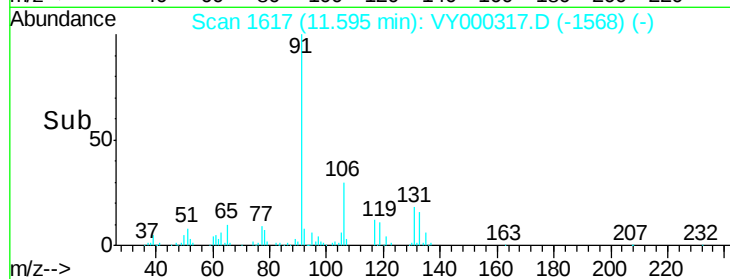
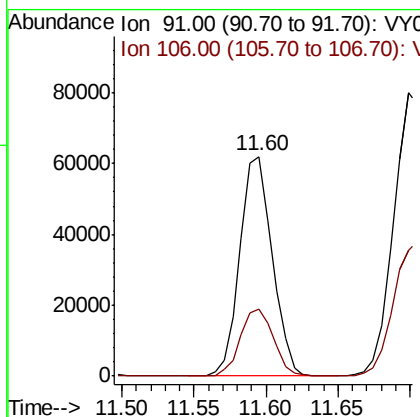
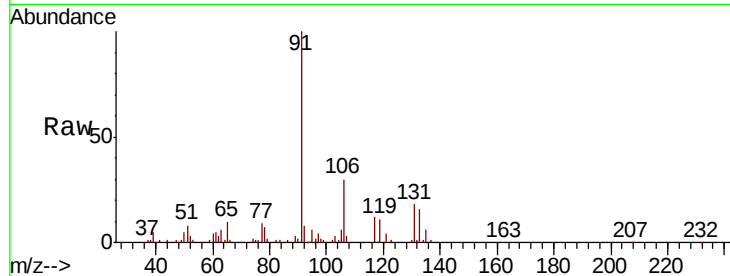
#67
Ethyl Benzene
Concen: 5.546 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.6

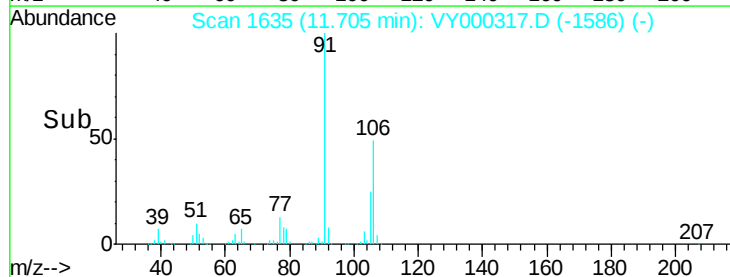
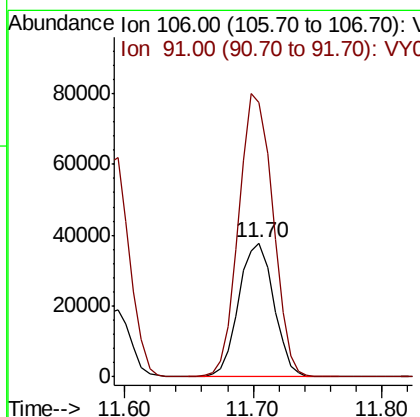
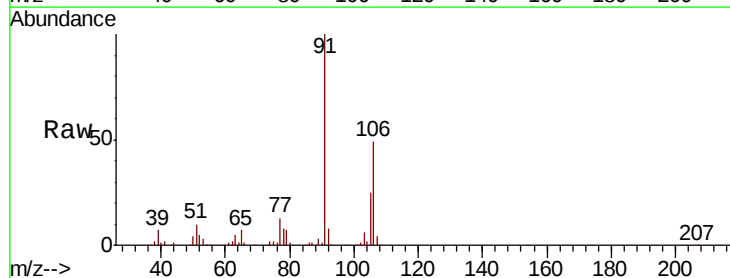
Manual Integrations
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10/18/2019 12:40:25 AM



#68
m/p-Xylenes
Concen: 10.659 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.6	157.5	236.3





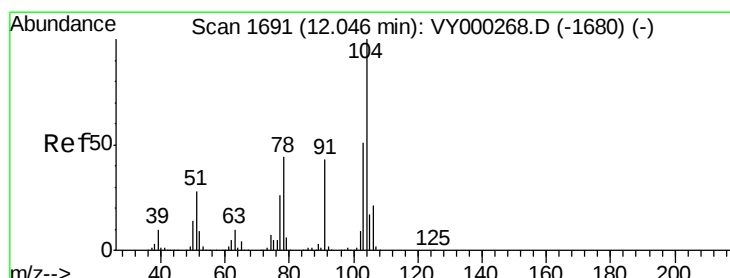
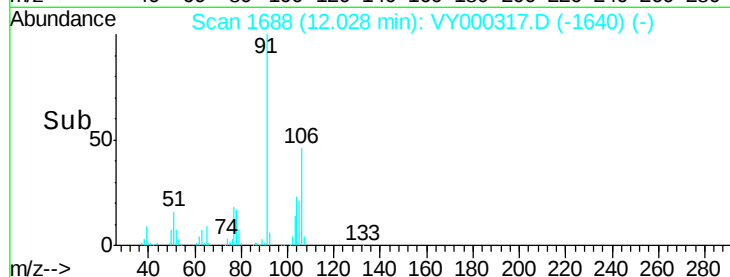
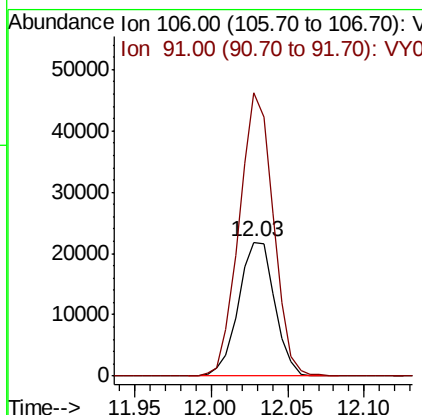
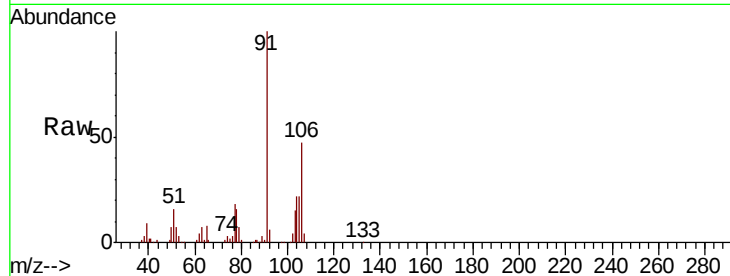
#69
o-Xylene
Concen: 5.625 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:106 Resp: 35900
Ion Ratio Lower Upper
106 100
91 199.8 104.7 313.9

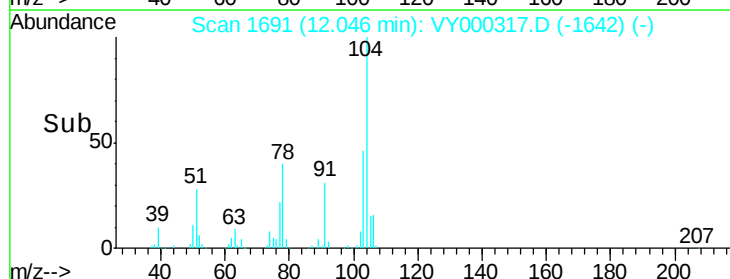
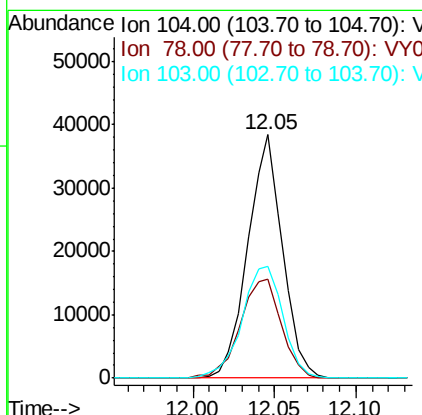
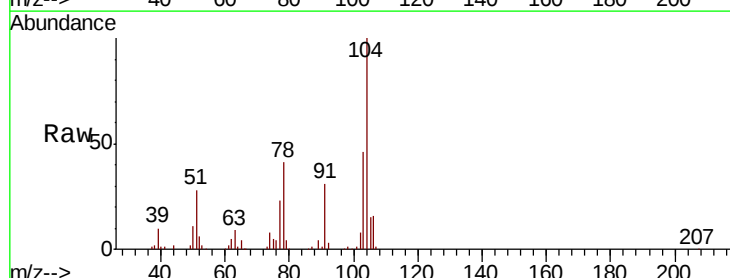
Manual Integrations
APPROVED

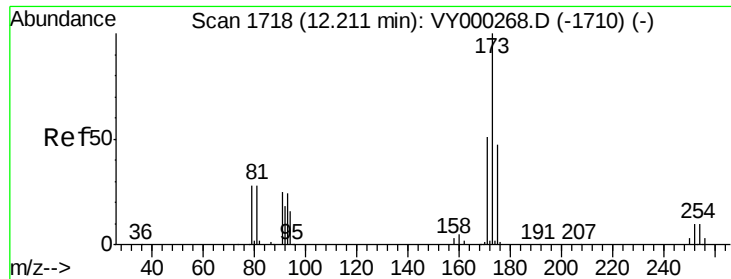
MMDadoda
10/18/2019 12:40:25 AM



#70
Styrene
Concen: 5.272 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion:104 Resp: 56745
Ion Ratio Lower Upper
104 100
78 48.5 39.0 58.6
103 54.3 43.1 64.7





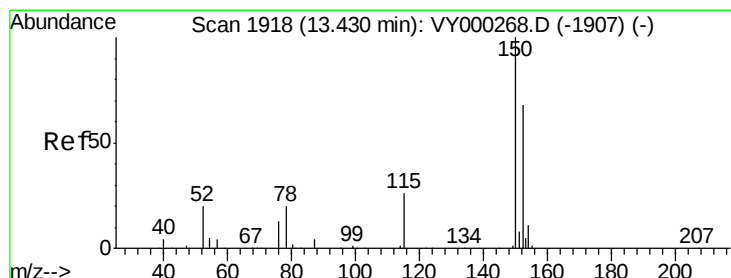
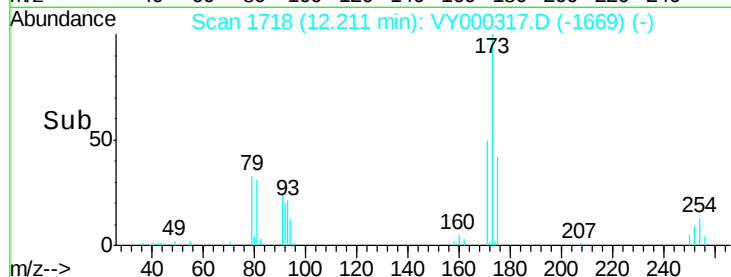
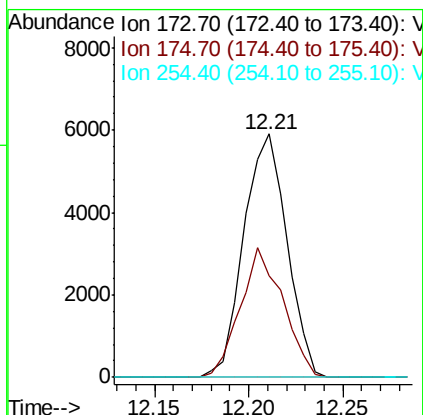
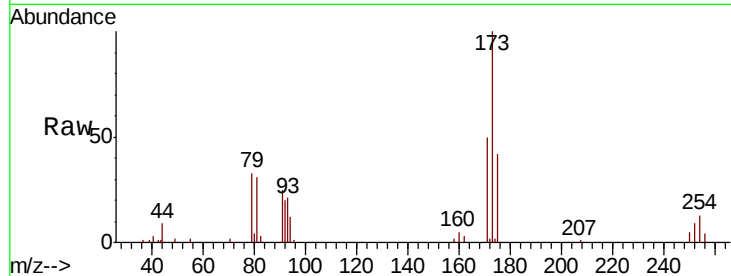
#71
Bromoform
Concen: 4.915 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.7	24.6	73.6
254	0.0	0.1	0.1#

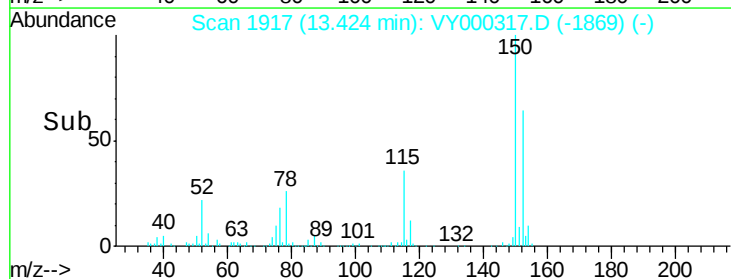
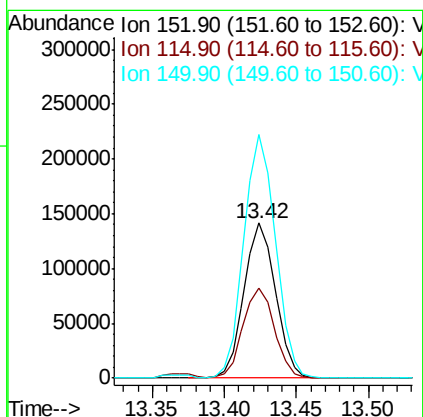
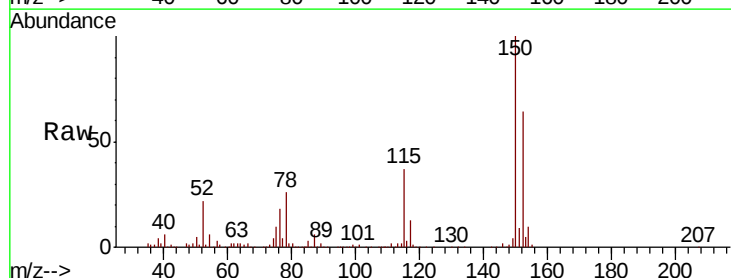
Manual Integrations
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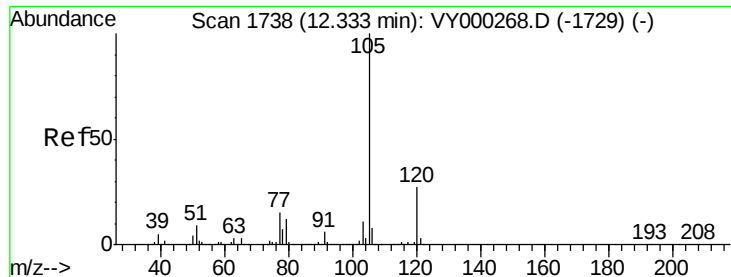
MMDadoda
10/18/2019 12:40:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	158.7	0.0	348.4





#73

Isopropylbenzene

Concen: 5.436 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion: 105 Resp: 90649

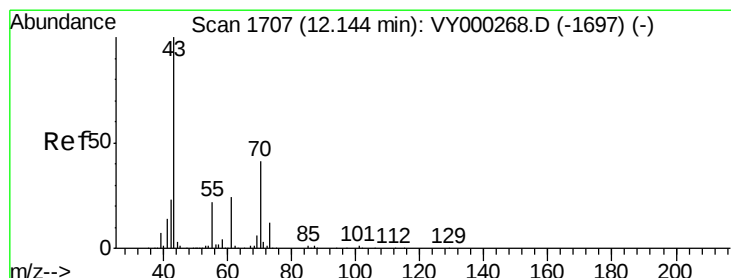
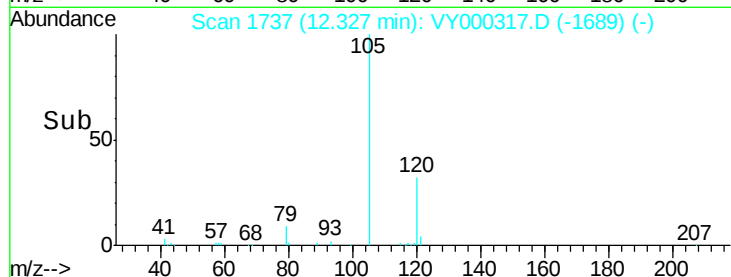
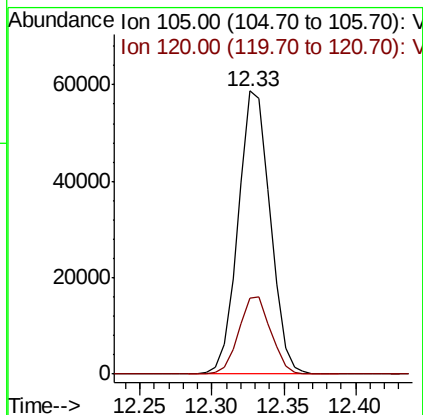
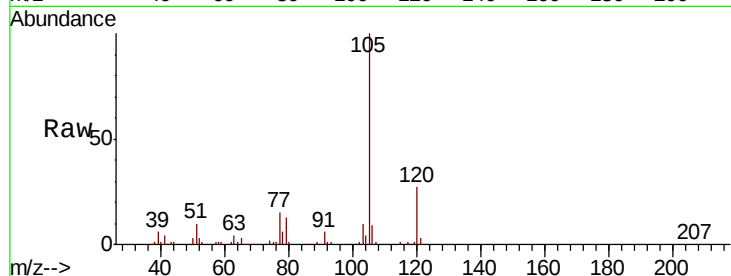
Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2

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10/18/2019 12:40:25 AM



#74

N-ethyl acetate

Concen: 5.823 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Tgt Ion: 43 Resp: 23840

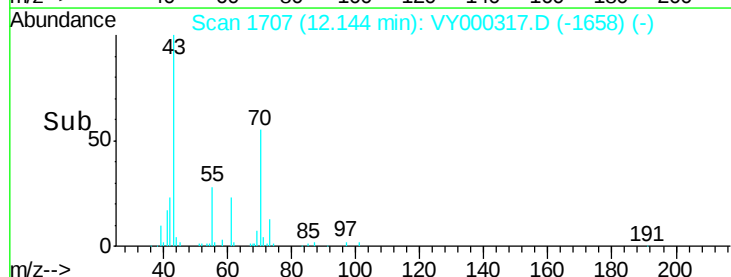
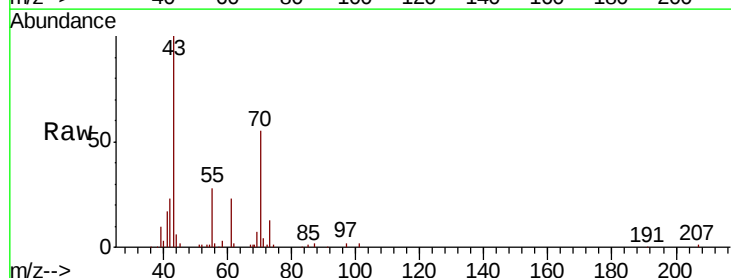
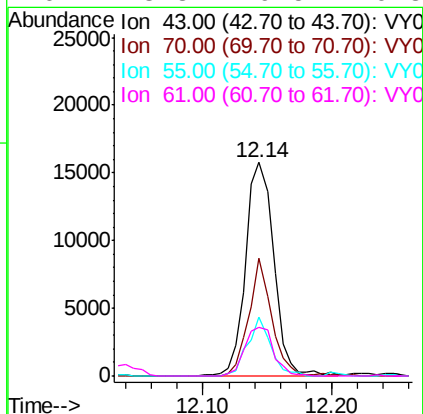
Ion Ratio Lower Upper

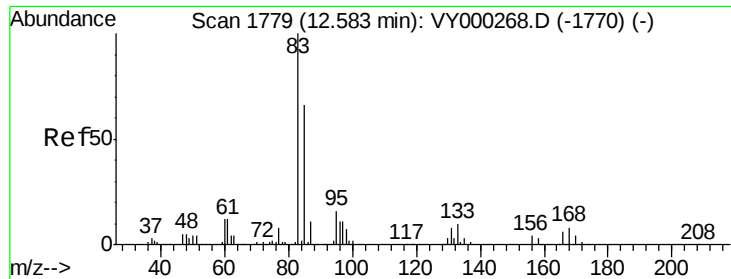
43 100

70 44.2 32.9 49.3

55 22.9 17.8 26.6

61 23.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.242 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

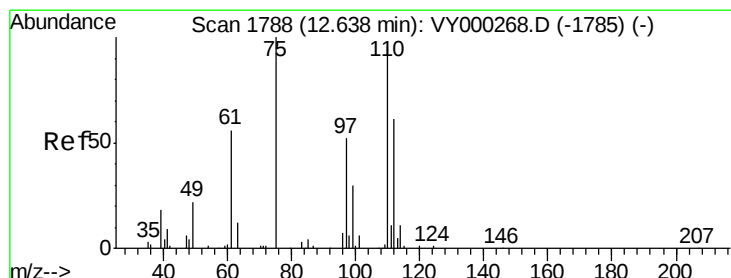
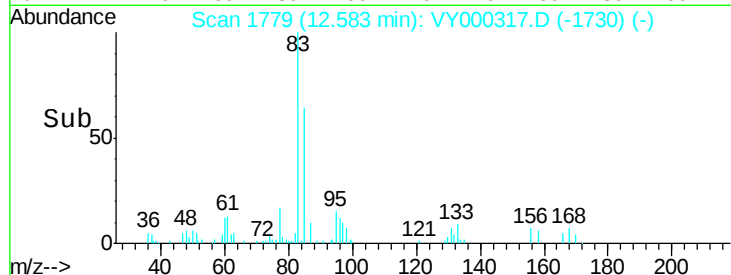
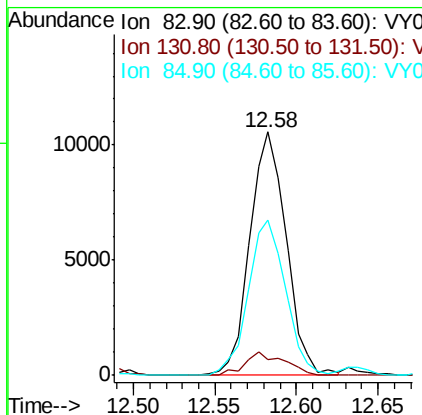
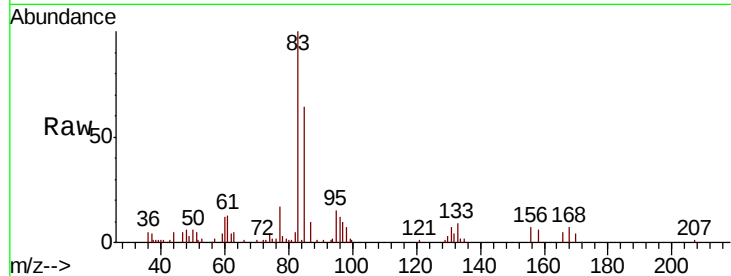
ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:	83	Resp:	16415
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	16.1
85	65.8	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.324 ug/l m

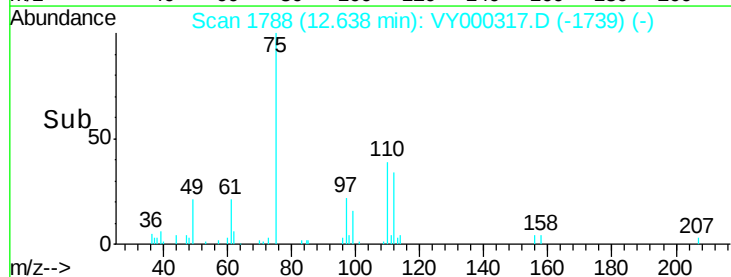
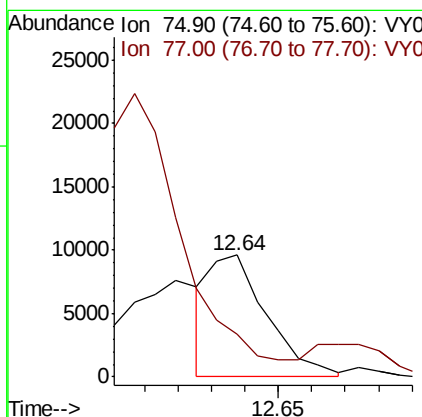
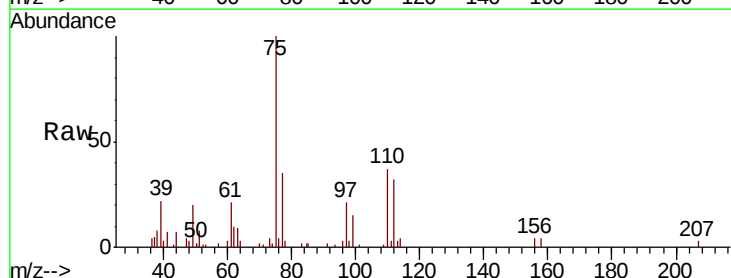
RT: 12.64 min Scan# 1788

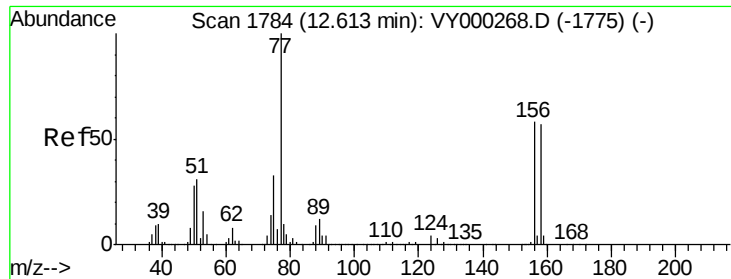
Delta R.T. -0.00 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Tgt Ion:	75	Resp:	11373
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.776 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000317.D

Acq: 15 Oct 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2019

Tot Ion:156 Resp: 21435

Ion Ratio Lower Upper

156 100

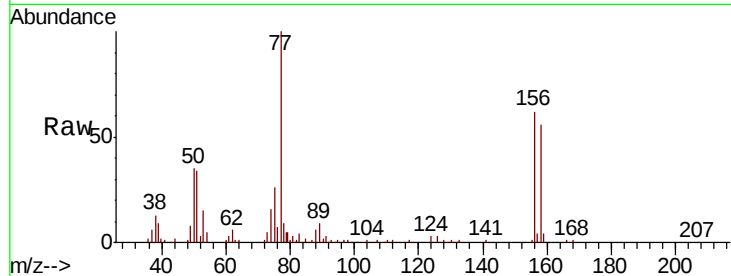
77 190.6 101.0 302.9

158 95.0 49.7 149.1

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MMDadoda

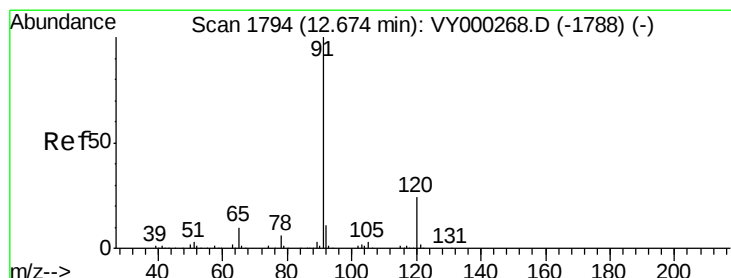
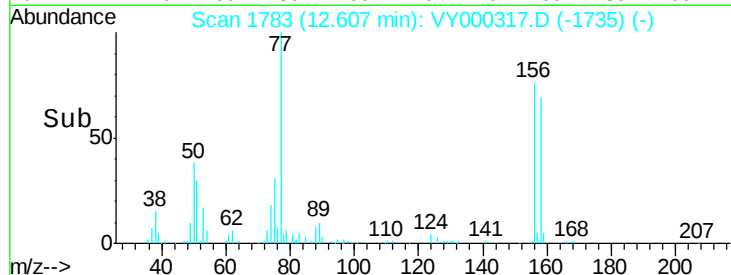
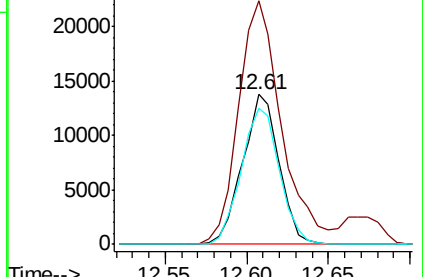
10/18/2019 12:40:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.331 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000317.D

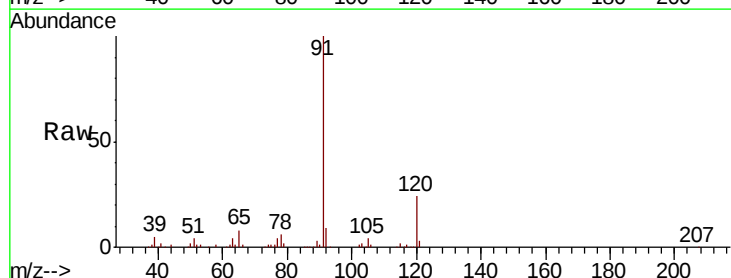
Acq: 15 Oct 2019 14:02

Tgt Ion: 91 Resp: 106745

Ion Ratio Lower Upper

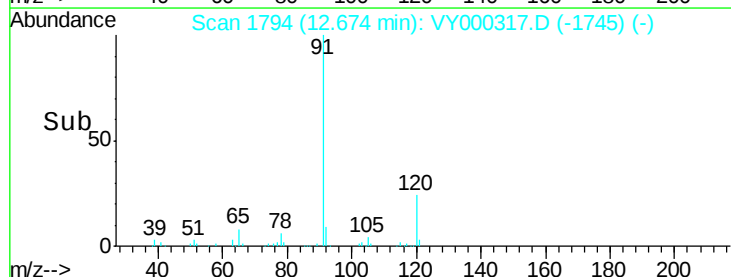
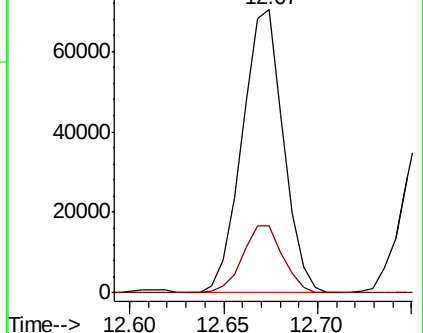
91 100

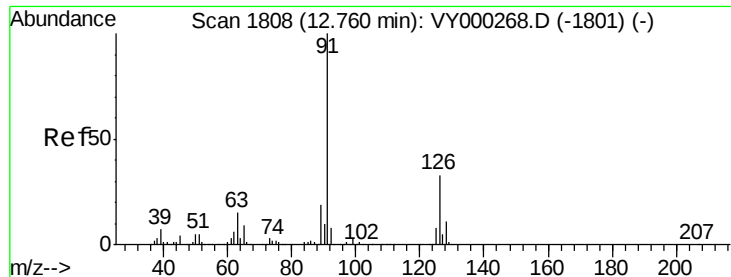
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





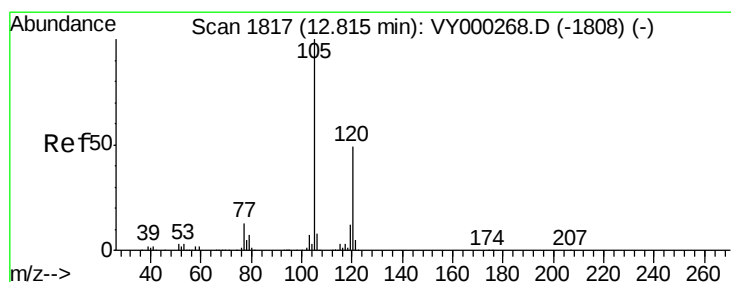
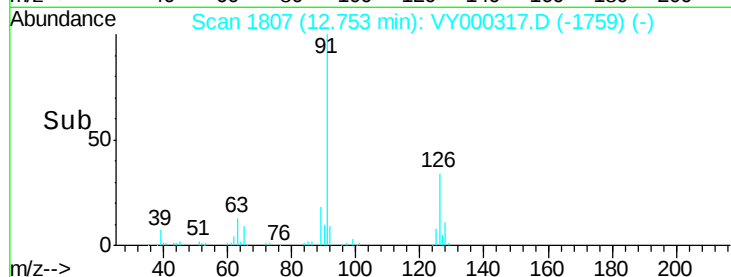
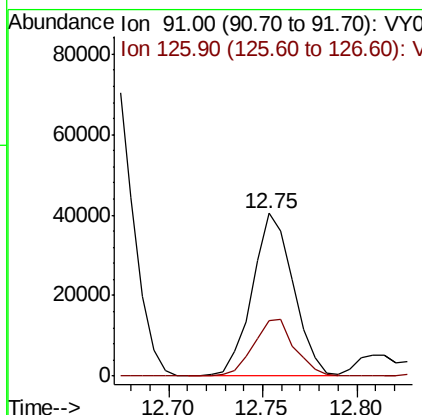
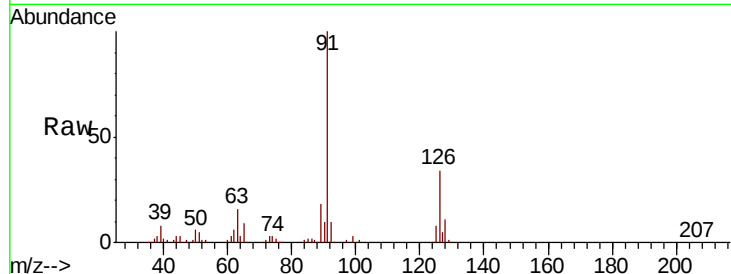
#79
2-Chlorotoluene
Concen: 5.551 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.1	51.3

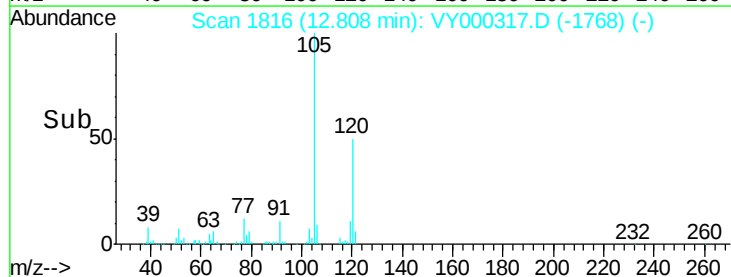
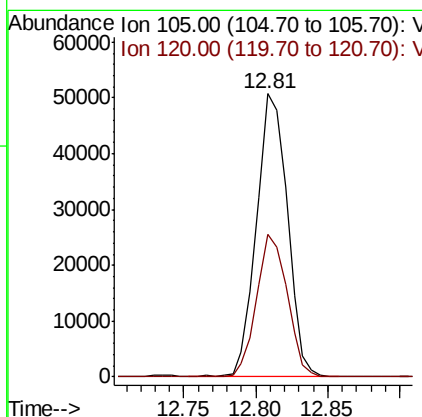
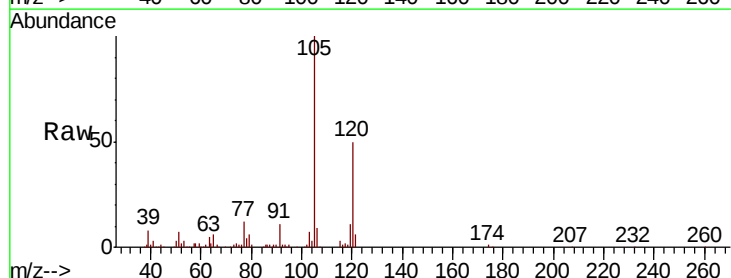
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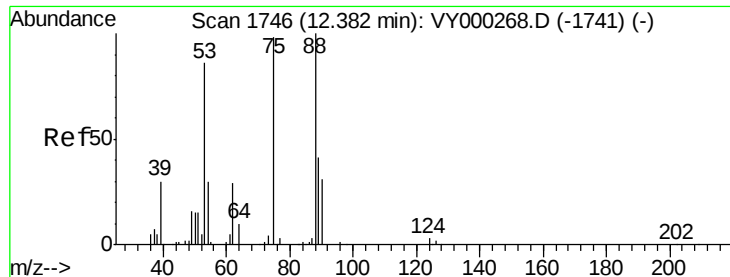
MMDadoda
10/18/2019 12:40:25 AM



#80
1,3,5-Trimethylbenzene
Concen: 5.373 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.9	74.8





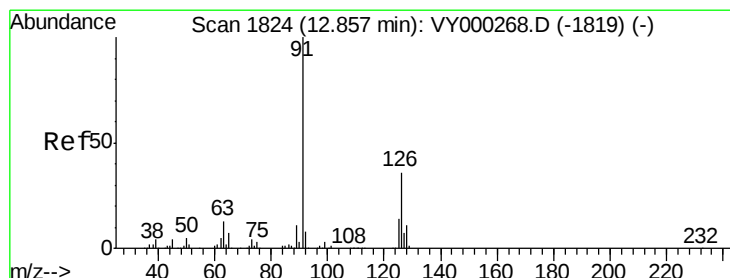
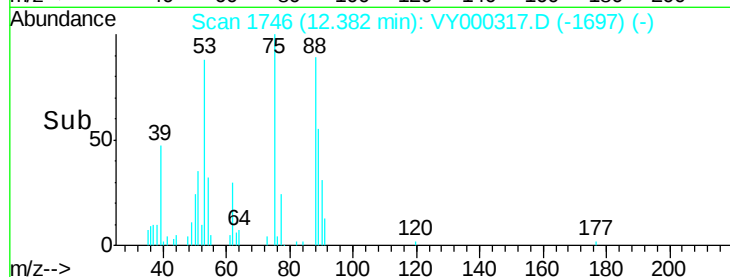
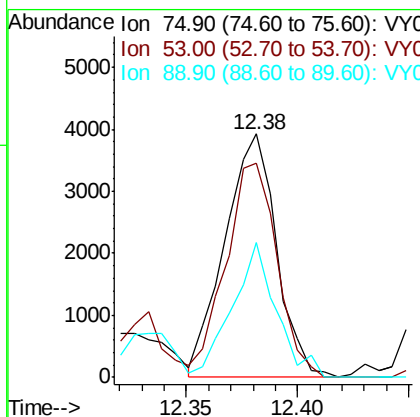
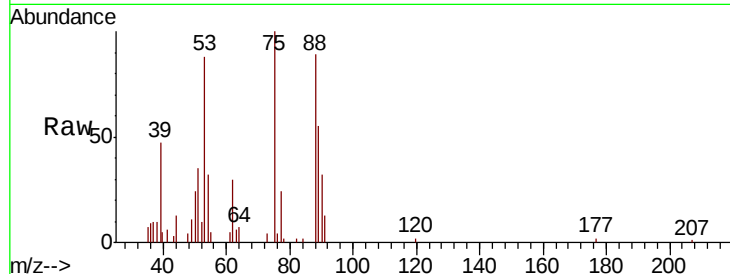
#81
trans-1,4-Dichloro-2-butene
Concen: 5.270 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	71.3	106.9
89	47.3	35.1	52.7

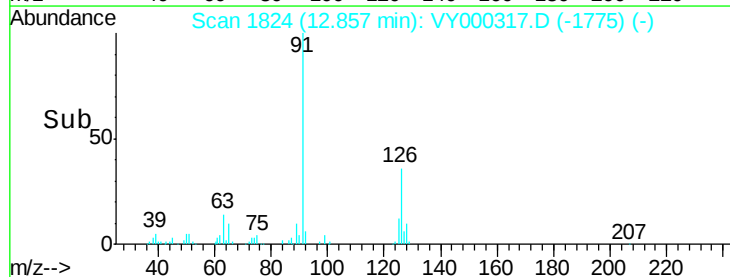
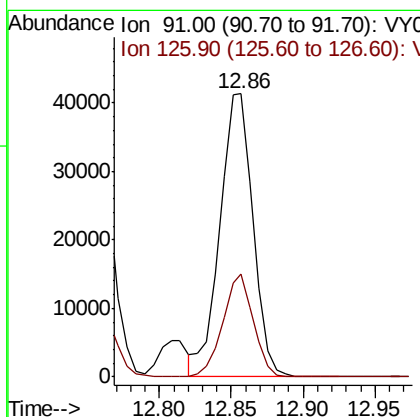
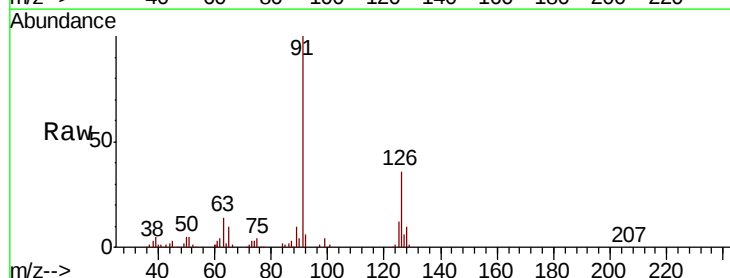
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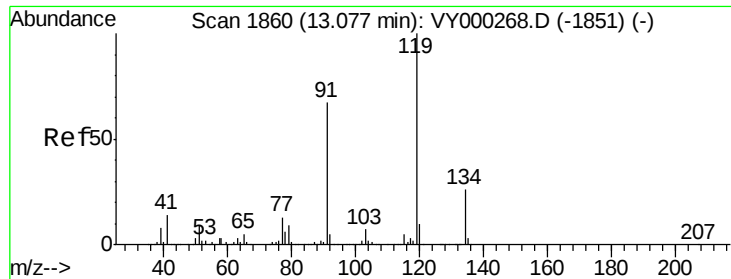
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.707 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.2	51.5





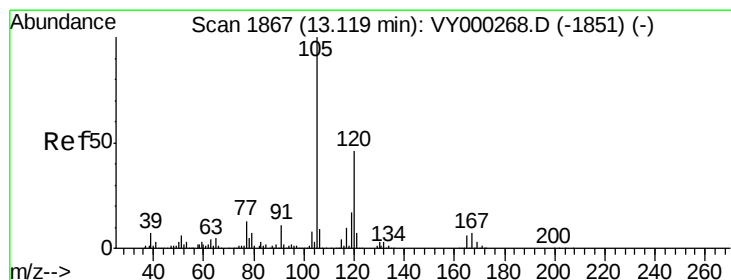
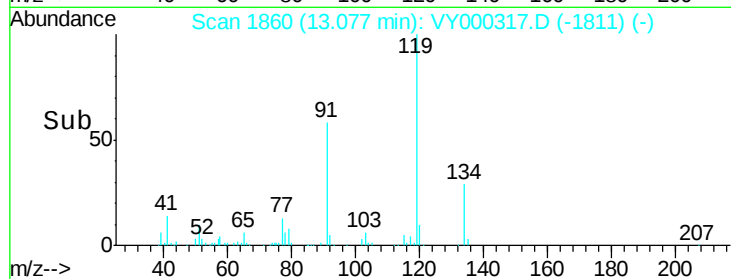
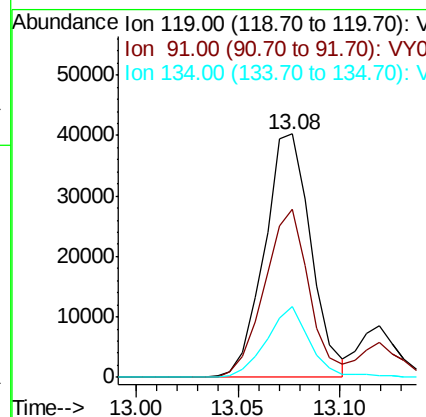
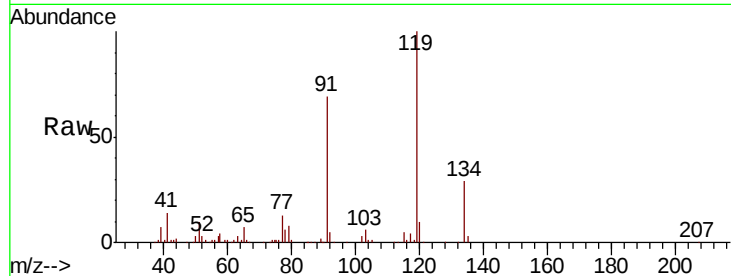
#83
 tert-Butylbenzene
 Concen: 5.411 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	32.9	98.7
134	27.3	13.3	39.8

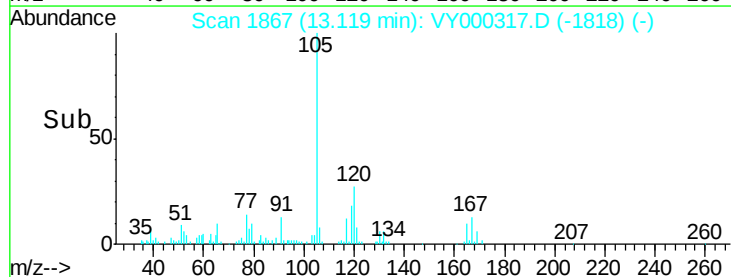
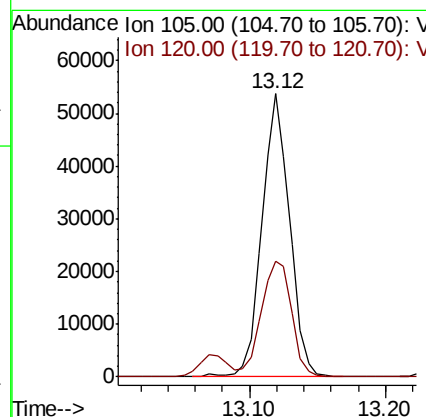
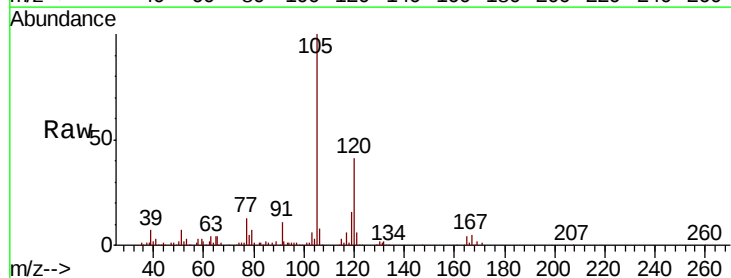
Manual Integrations
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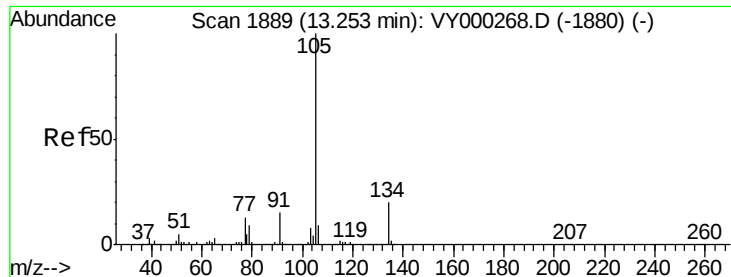
MMDadoda
 10/18/2019 12:40:25 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.556 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.9	68.8





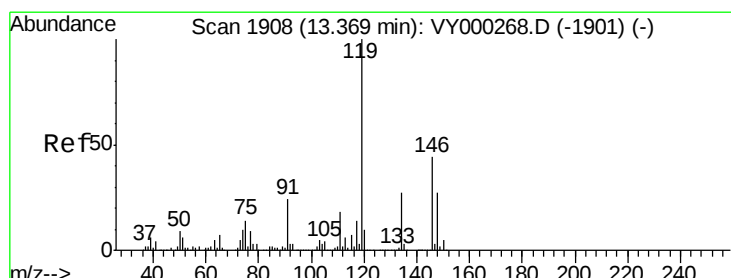
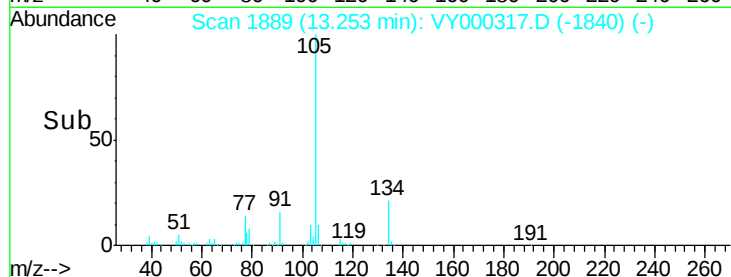
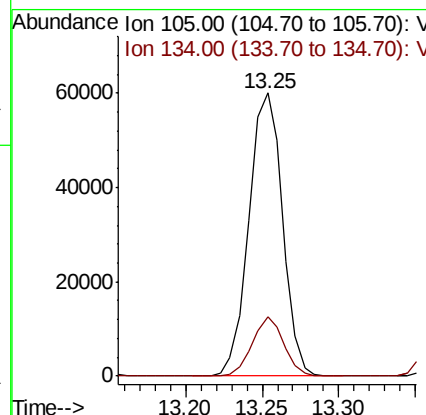
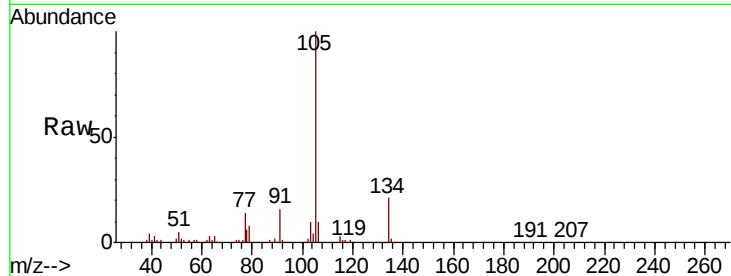
#85
 sec-Butylbenzene
 Concen: 5.344 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.1

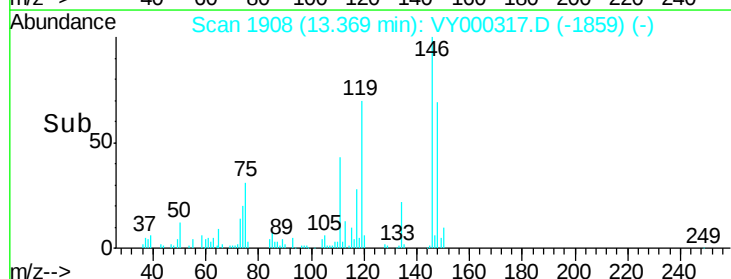
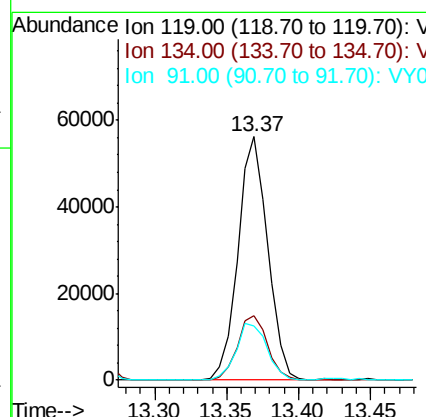
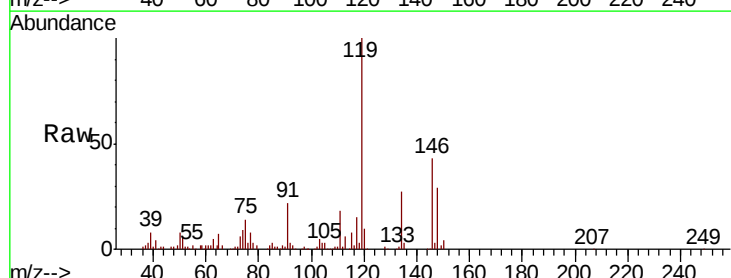
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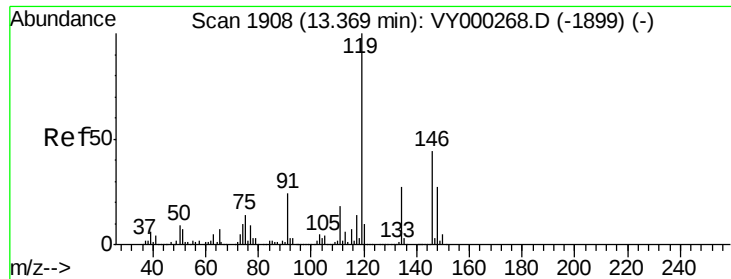
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 10/18/2019 12:40:25 AM



#86
 p-Isopropyltoluene
 Concen: 5.411 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.8
91	24.5	12.0	36.1





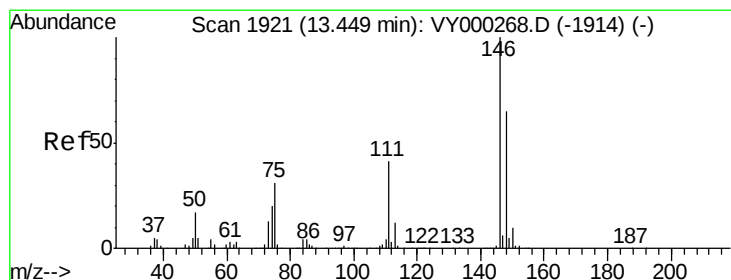
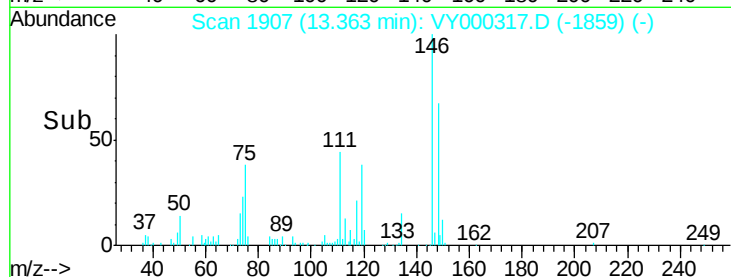
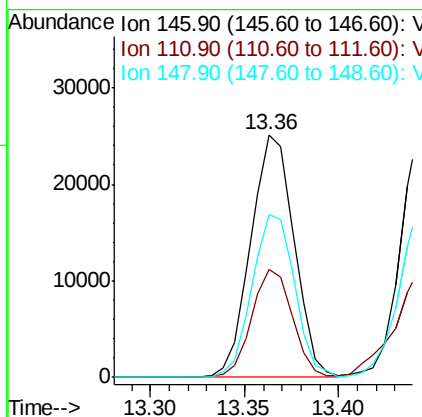
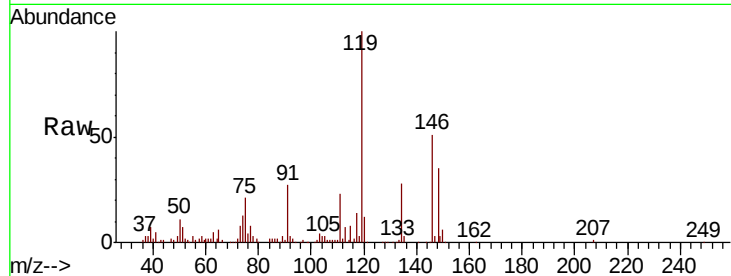
#87
 1,3-Dichlorobenzene
 Concen: 5.491 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.6	61.8
148	66.0	31.9	95.5

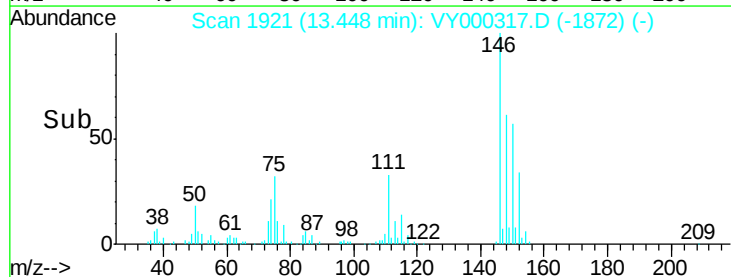
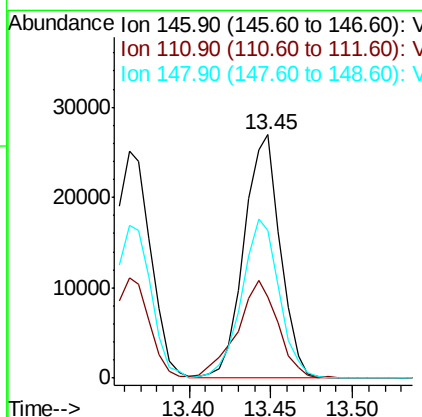
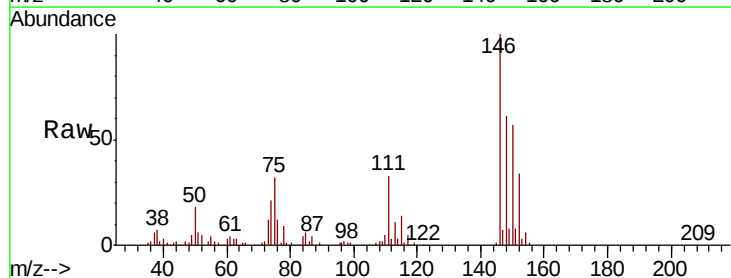
Manual Integrations
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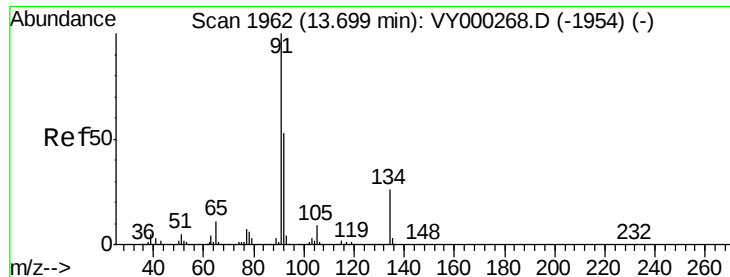
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 10/18/2019 12:40:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.708 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.1	60.2
148	67.6	32.4	97.2





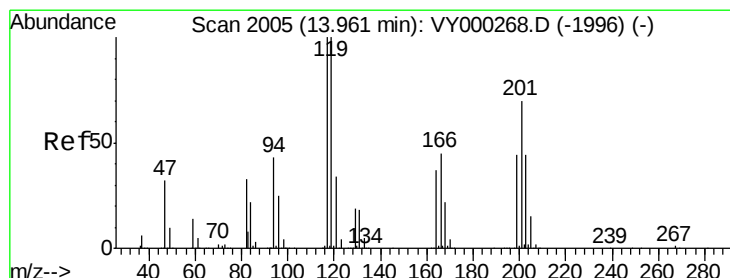
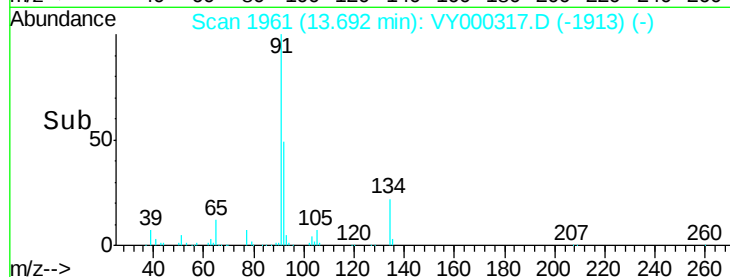
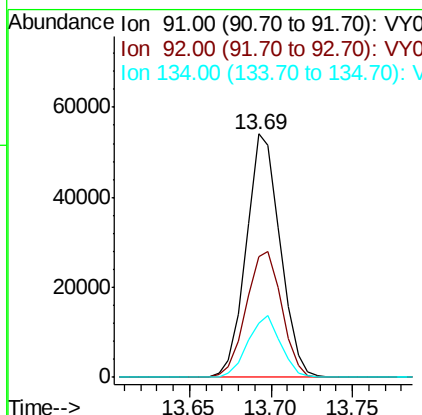
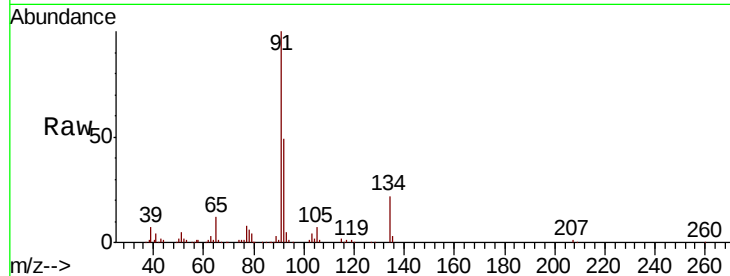
#89
n-Butylbenzene
Concen: 5.334 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.1
134	24.3	13.0	38.9

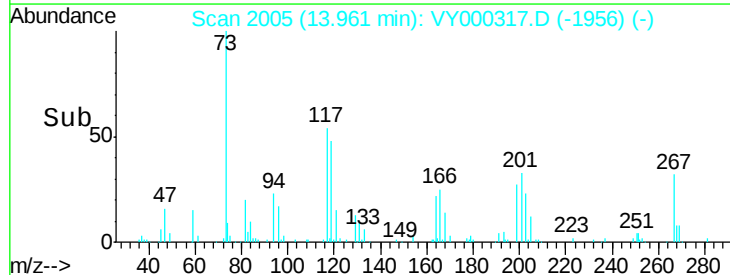
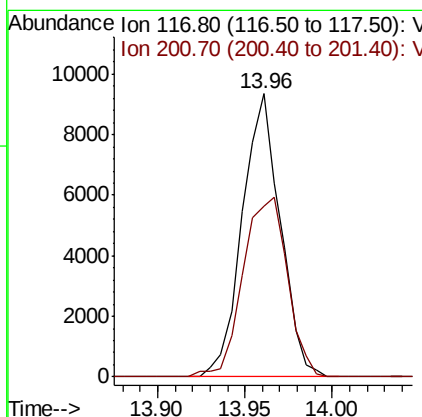
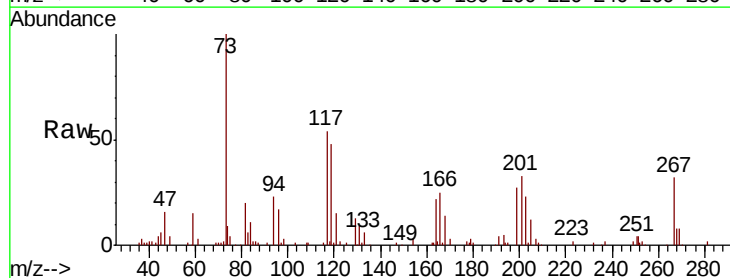
Manual Integrations
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10/18/2019 12:40:25 AM



#90
Hexachloroethane
Concen: 5.103 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	36.3	108.7





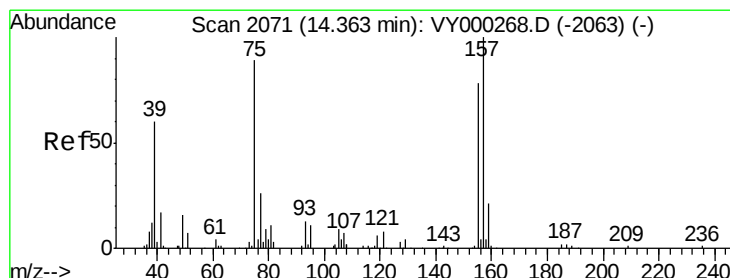
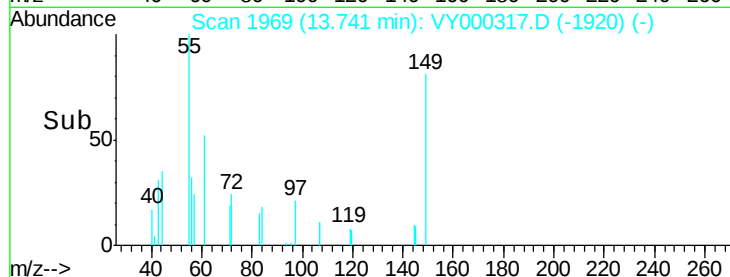
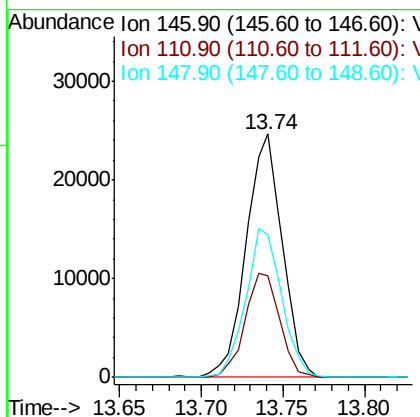
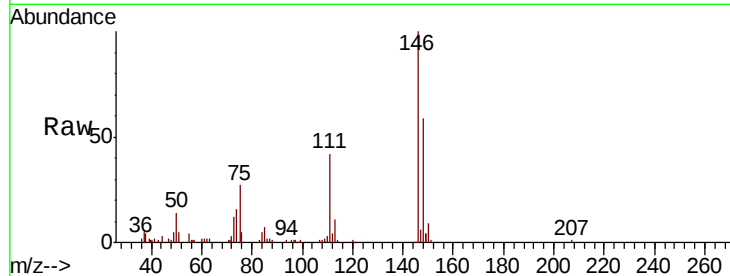
#91
 1,2-Dichlorobenzene
 Concen: 5.721 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	61.1	31.6	95.0

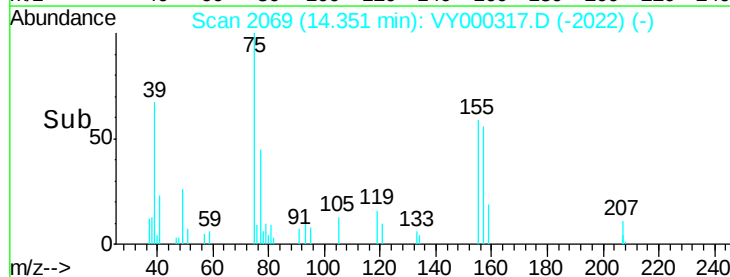
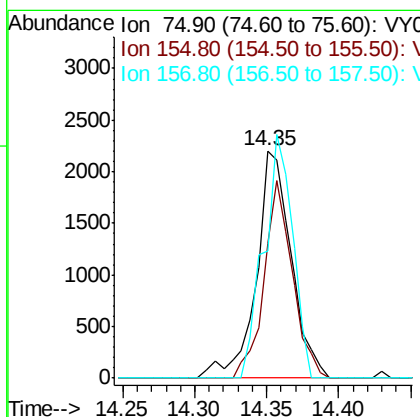
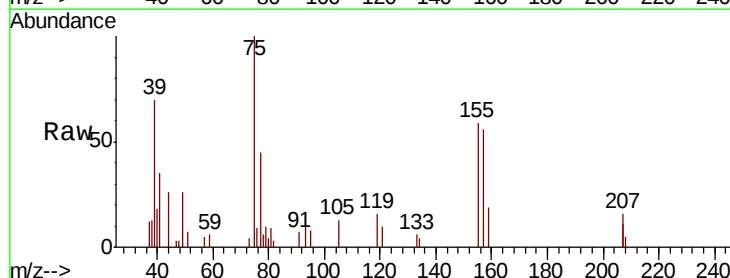
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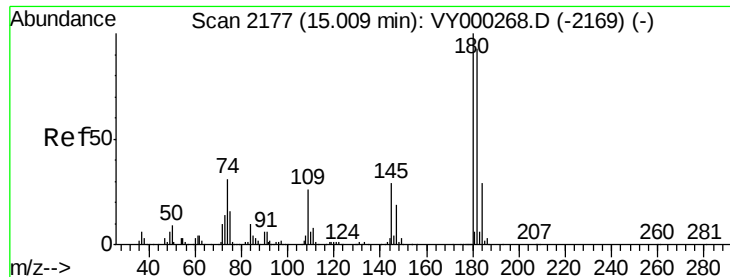
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.205 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.7	45.8	137.3
157	88.5	55.6	166.9





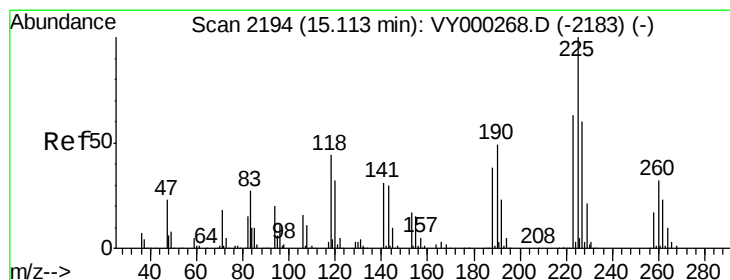
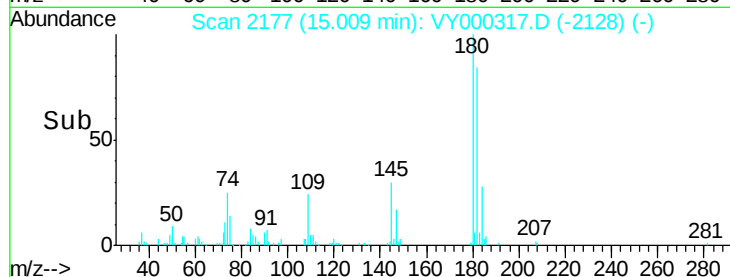
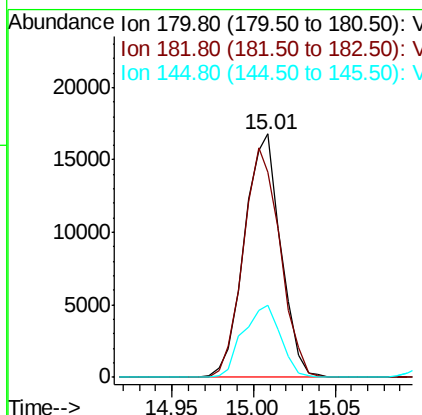
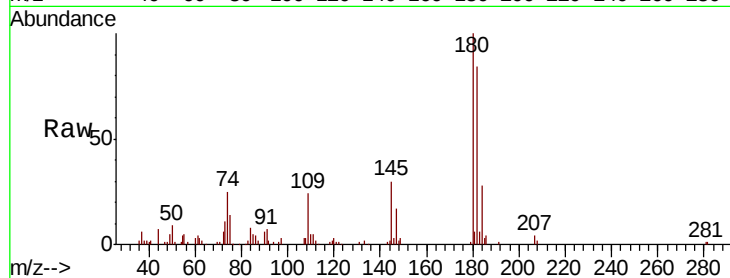
#93
 1,2,4-Trichlorobenzene
 Concen: 5.645 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	30.8	15.4	46.1

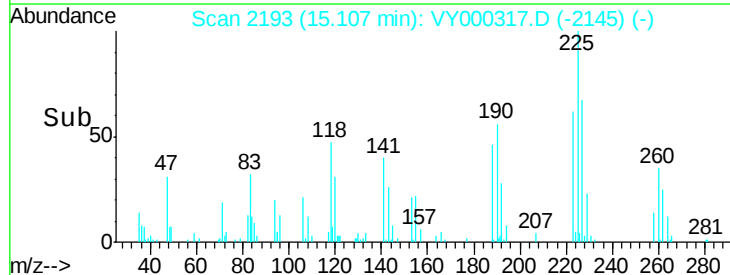
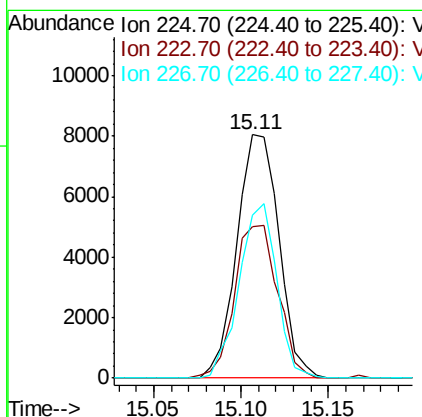
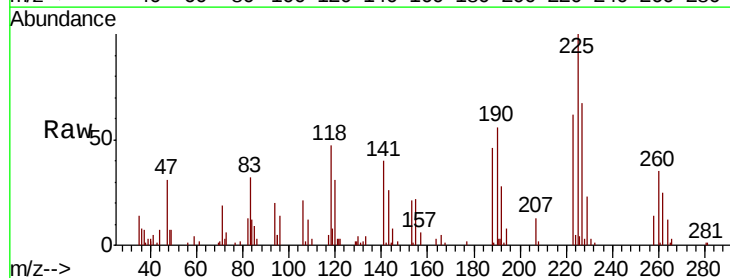
Manual Integrations
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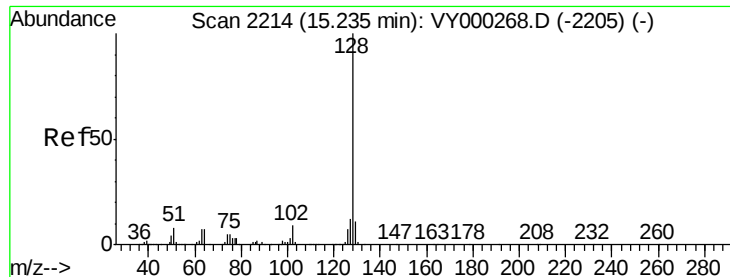
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 10/18/2019 12:40:25 AM



#94
 Hexachlorobutadiene
 Concen: 5.423 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000317.D
 Acq: 15 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.7
227	64.1	31.4	94.2





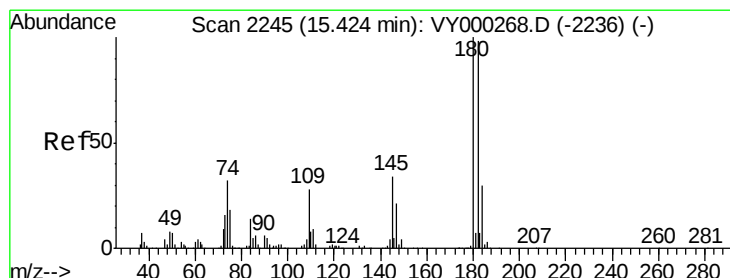
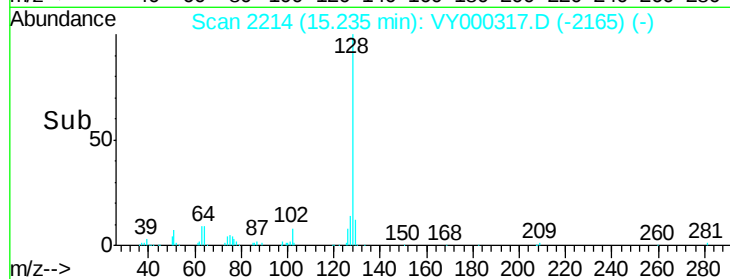
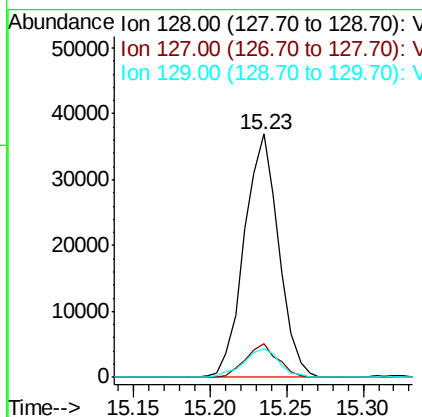
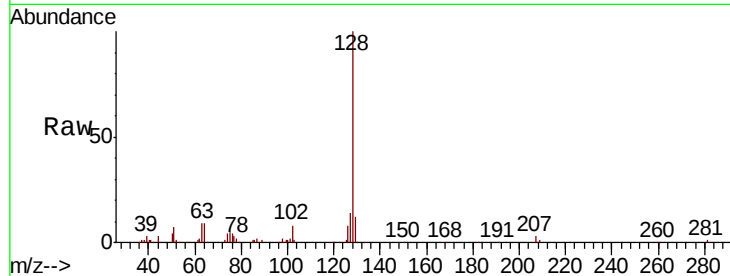
#95
Naphthalene
Concen: 5.608 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2019

Tot Ion:	128	Resp:	57656
Ion Ratio	Lower	Upper	
128	100		
127	12.9	9.6	14.4
129	12.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 5.653 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000317.D
Acq: 15 Oct 2019 14:02

Tgt Ion:	180	Resp:	23472
Ion Ratio	Lower	Upper	
180	100		
182	95.1	46.5	139.5
145	33.0	16.2	48.5

