LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.060	47	53	73	rBV	4672835	12609041	4.53%	0.485%
2	2.237	73	82	113	rBV	12080964	76181994	27.40%	2.927%
3	2.987	158	205	206	rBV4	35248706	278055154	100.00%	10.684%
4	7.645	943	969	972	rBV5	25129544	209575321	75.37%	8.053%
5	10.864	1487	1497	1501	rBV4	9614462	34234192	12.31%	1.315%
6	10.949	1502	1511	1519	rVV	14402349	61218263	22.02%	2.352%
7	11.437	1580	1591	1598	rVB2	17921439	70290119	25.28%	2.701%
8	11.546	1599	1609	1611	rBV2	12427953	34047124	12.24%	1.308%
9	11.638	1611	1624	1632	rBV4	35840064	223433177	80.36%	8.586%
10	11.705	1632	1635	1643	rBV5	18230384	49196726	17.69%	1.890%
11	11.967	1666	1678	1682	rBV5	10582330	28844788	10.37%	1.108%
12	12.040	1682	1690	1694	rBV7	50973129	137112343	49.31%	5.269%
13	12.132	1701	1705	1710	rVB2	8306786	16023678	5.76%	0.616%
14	12.217	1714	1719	1722	rVV3	5043183	8922437	3.21%	0.343%
15	12.260	1722	1726	1732	rVB6	4249827	8202672	2.95%	0.315%
16	12.345	1733	1740	1750	rBV2	48020164	127368580	45.81%	4.894%
17	12.473	1755	1761	1768	rVB2	23105557	57353936	20.63%	2.204%
18	12.546	1768	1773	1777	rBV	6055289	10606192	3.81%	0.408%
19	12.687	1785	1796	1801	rBV3	45409929	144079749	51.82%	5.536%
20	12.741	1801	1805	1808	rBV5	43203482	89944798	32.35%	3.456%
21	12.833	1816	1820	1826	rVB3	55179228	126156574	45.37%	4.848%
22	12.985	1838	1845	1853	rBV2	53898531	122927483	44.21%	4.724%
23	13.077	1853	1860	1863	rBV	10777474	18442954	6.63%	0.709%
24	13.125	1863	1868	1871	rBV4	52786821	112960478	40.63%	4.341%
25	13.253	1882	1889	1892	rBV3	11848321	30386152	10.93%	1.168%
26	13.284	1892	1894	1897	rVV	11277121	17237301	6.20%	0.662%
27	13.314	1897	1899	1904	rVB	9975607	13267509	4.77%	0.510%
28	13.363	1904	1907	1911	rBV3	2952894	4700680	1.69%	0.181%
29	13.461	1916	1923	1937	rVB3	47073383	108167375	38.90%	4.156%
30	13.595	1939	1945	1946	rBV	13978240	19586734	7.04%	0.753%
31	13.625	1946	1950	1954	rVV2	53321556	103953412	37.39%	3.994%
32	13.668	1954	1957	1967	rVV3	35581486	73453433	26.42%	2.822%
33	13.753	1967	1971	1975	rVV2	3564775	5316411	1.91%	0.204%
34	13.820	1976	1982	1987	rVB	11347449	18884504	6.79%	0.726%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Title : SW846 8260

35	13.881	1987	1992	1995	rBV	14640494	23971563	8.62%	0.921%
36	13.912	1995	1997	2002	rVB	13308523	17833365	6.41%	0.685%
37	13.973	2002	2007	2012	rVB	21043548	31371650	11.28%	1.205%
38	14.076	2020	2024	2030	rVB2	8651659	13307567	4.79%	0.511%
39	14.211	2041	2046	2051	rBV	3854316	5514030	1.98%	0.212%
40	14.296	2051	2060	2063	rBV	8708264	14534994	5.23%	0.559%
41	14.333	2063	2066	2070	rVV	10776241	14368090	5.17%	0.552%
42	14.564	2099	2104	2109	rBV	4222164	6440333	2.32%	0.247%
43	14.680	2115	2123	2129	rBV4	5993452	13773562	4.95%	0.529%
44	15.235	2203	2214	2220	rVB	5081084	8588430	3.09%	0.330%

Sum of corrected areas: 2602444868

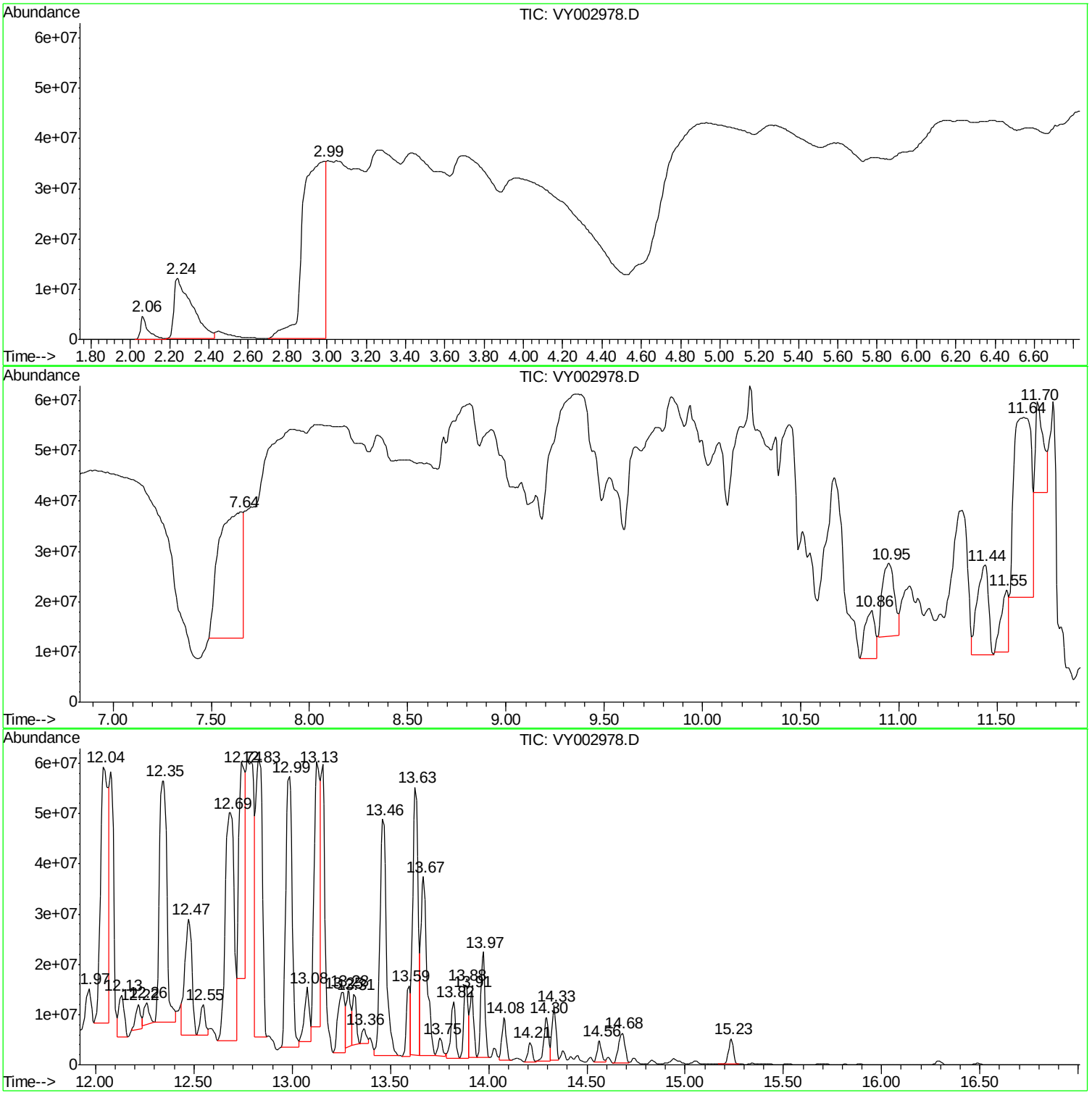
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

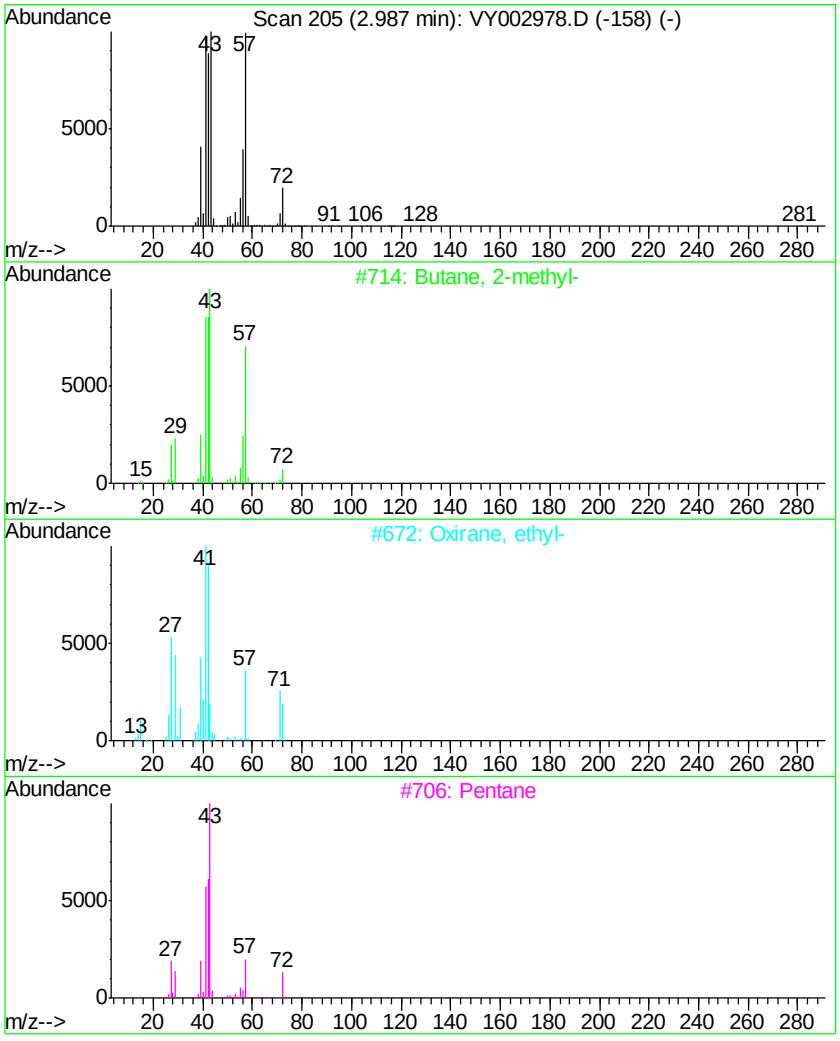
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

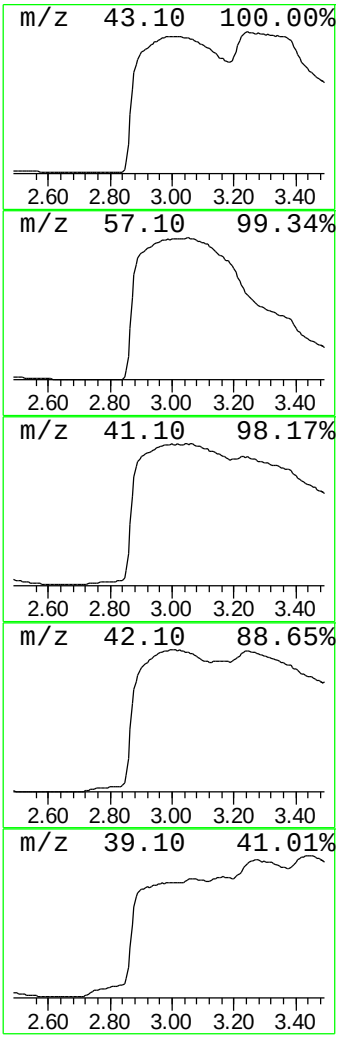
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	66.34 ug/l	278055000	Pentafluorobenzene	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	64
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Pentane	72	C5H12	000109-66-0	40
4	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	38
5	2-Butene, (Z)-	56	C4H8	000590-18-1	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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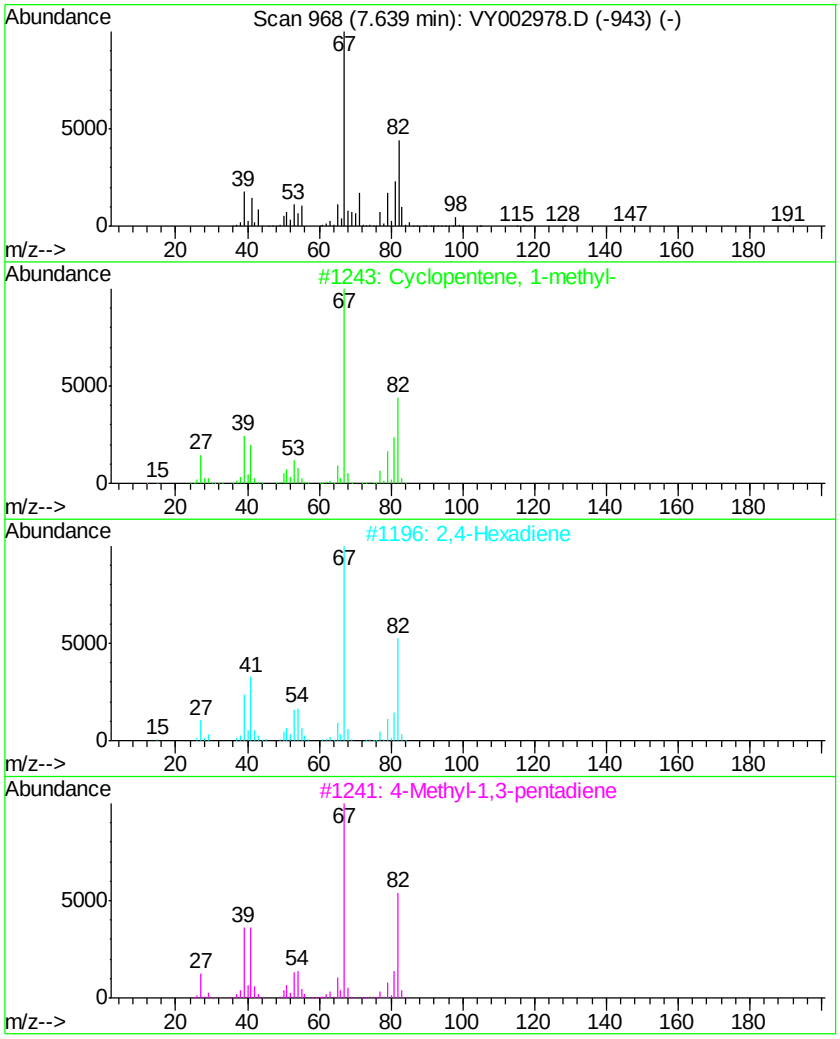
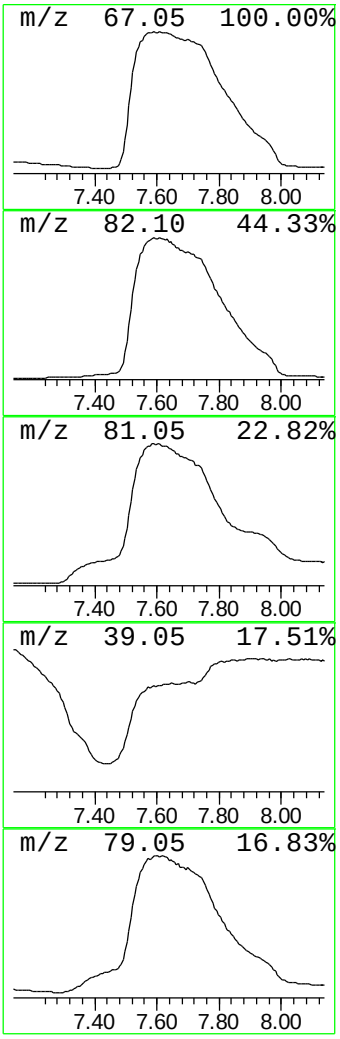
Peak Number 2 Cyclopentene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	50.00 ug/l	209575000	Pentafluorobenzene	7.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	93
2	2,4-Hexadiene	82	C6H10	000592-46-1	72
3	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	72
4	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	72
5	trans-1,4-Hexadiene	82	C6H10	007319-00-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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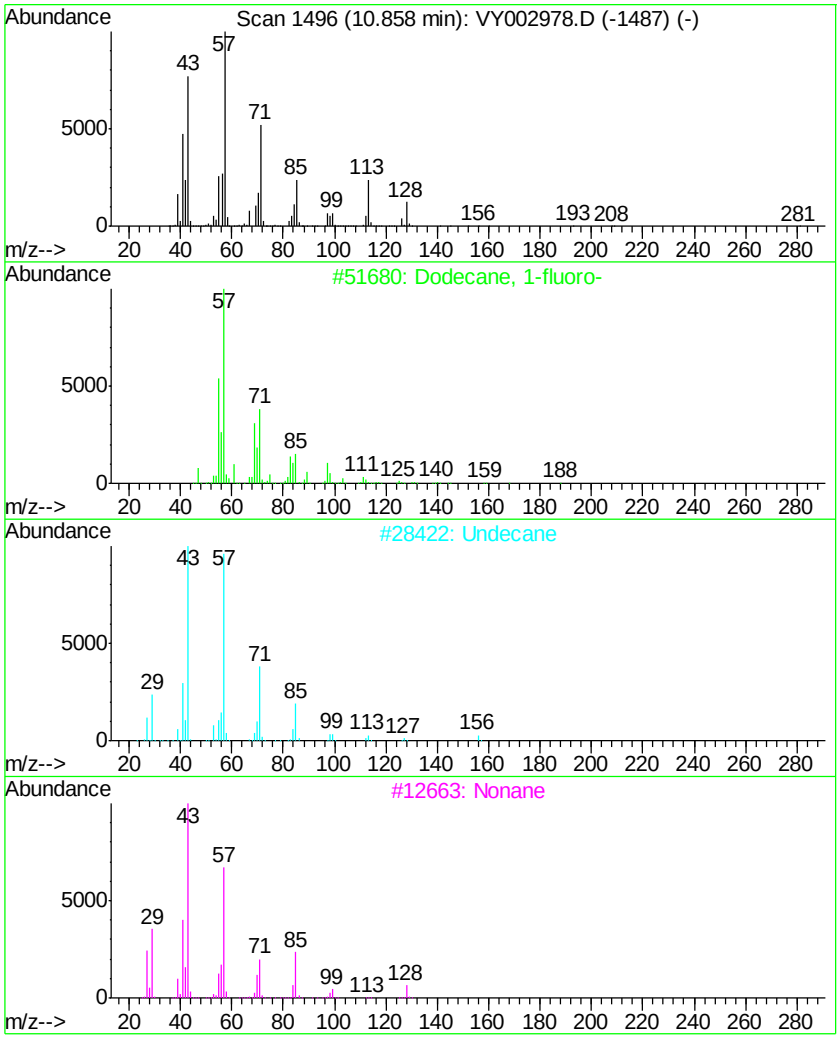
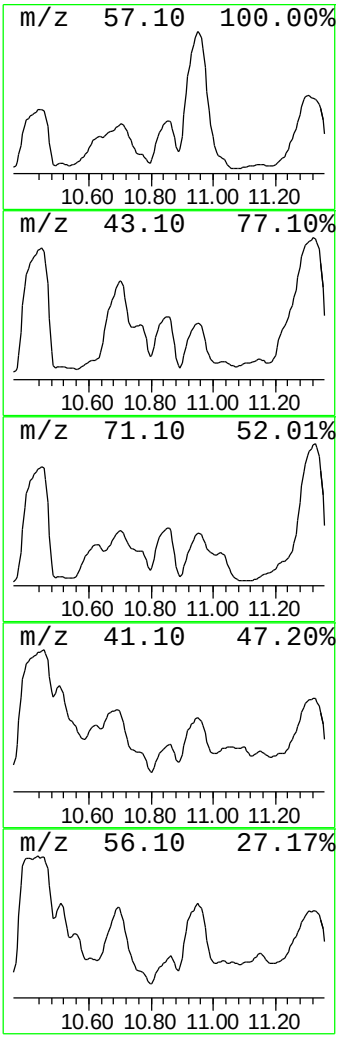
Peak Number 3 Dodecane, 1-fluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	50.27 ug/l	34234200	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	64
2	Undecane	156	C11H24	001120-21-4	49
3	Nonane	128	C9H20	000111-84-2	49
4	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	43
5	Hexanoyl chloride	134	C6H11ClO	000142-61-0	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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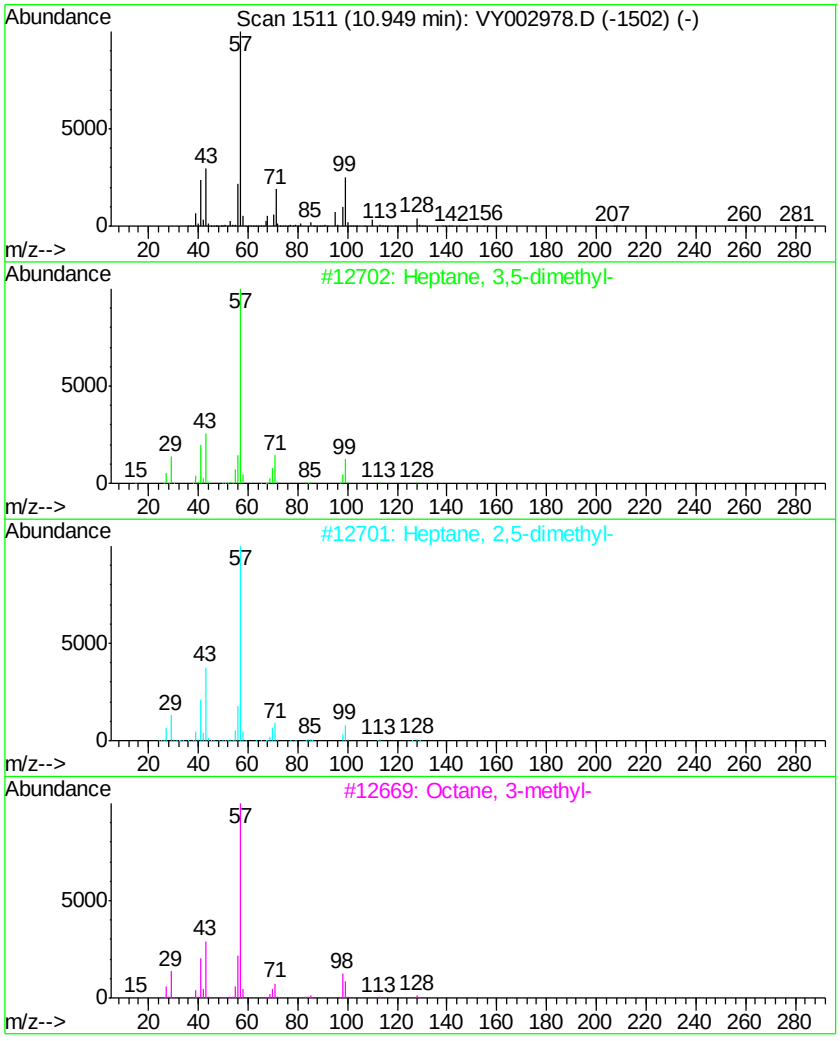
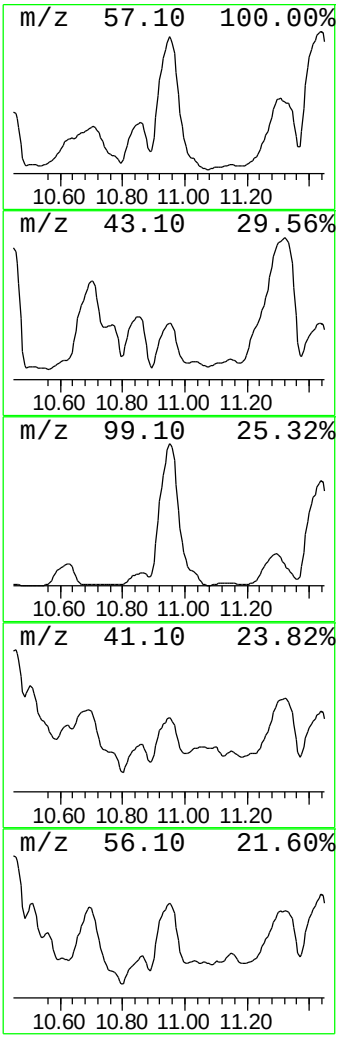
Peak Number 4 Heptane, 3,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	89.90 ug/l	61218300	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
3	Octane, 3-methyl-	128	C9H20	002216-33-3	50
4	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	45
5	2,2,5,5-Tetramethyl-3-hexanone	156	C10H20O	000868-91-7	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

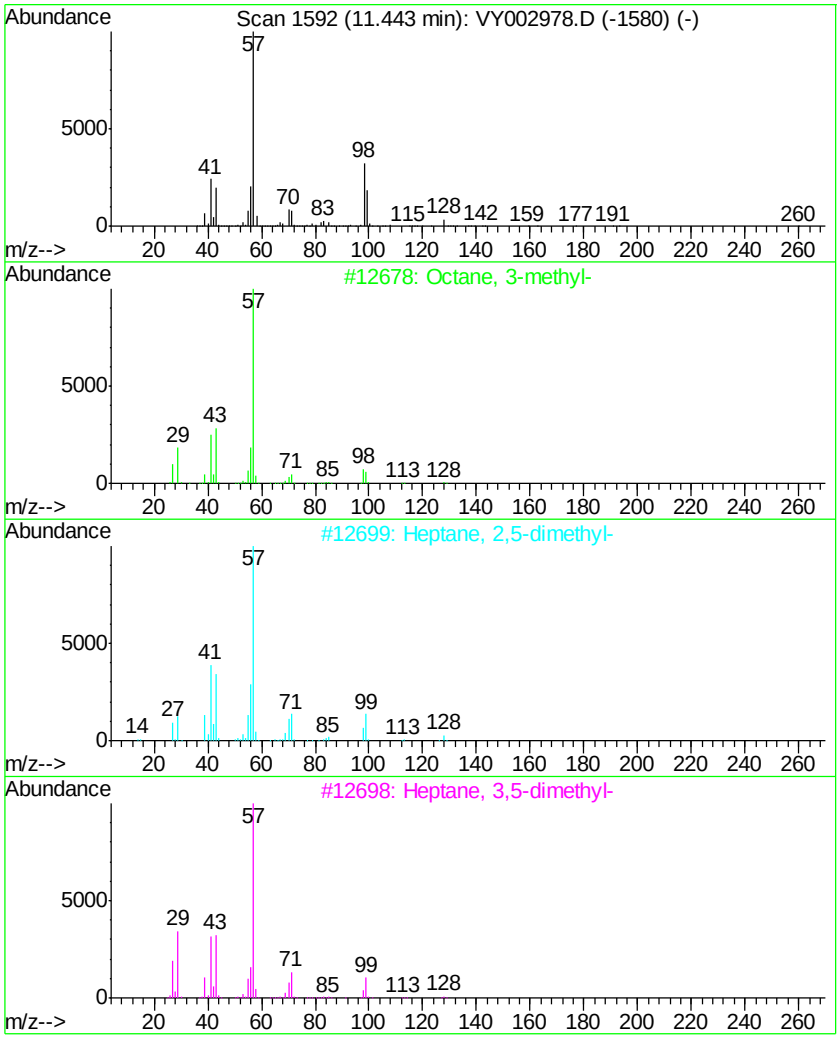
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

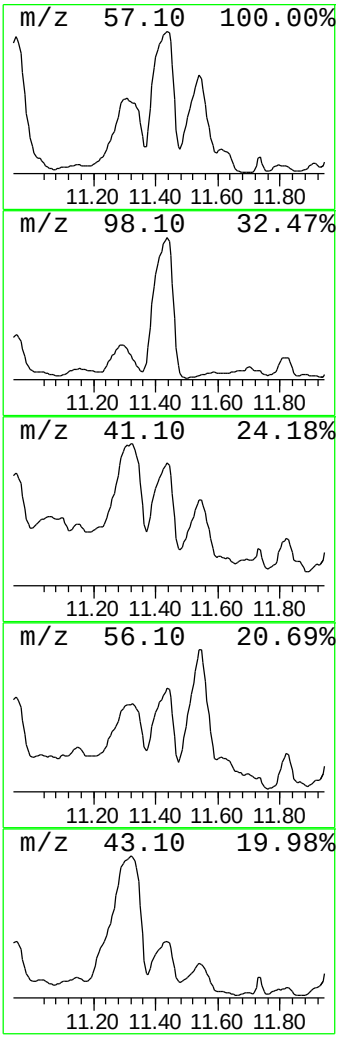
****

Peak Number 5 Octane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	103.23 ug/l	70290100	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	80
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	52
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	50
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

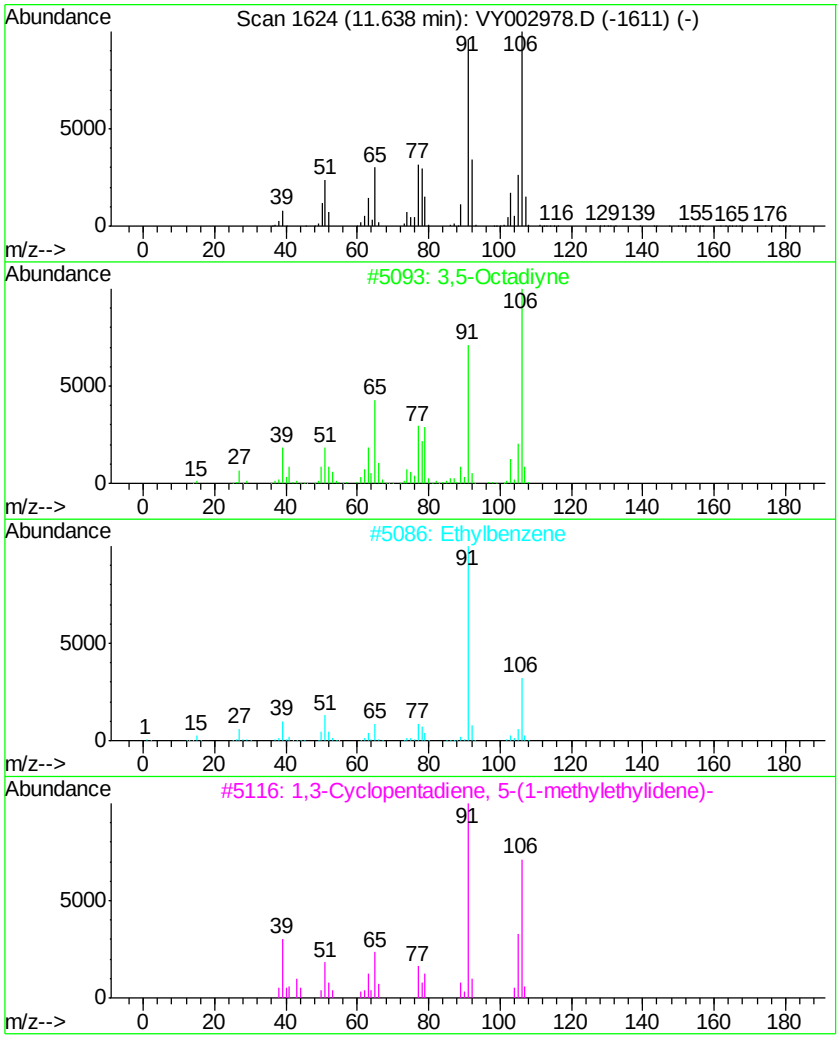
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

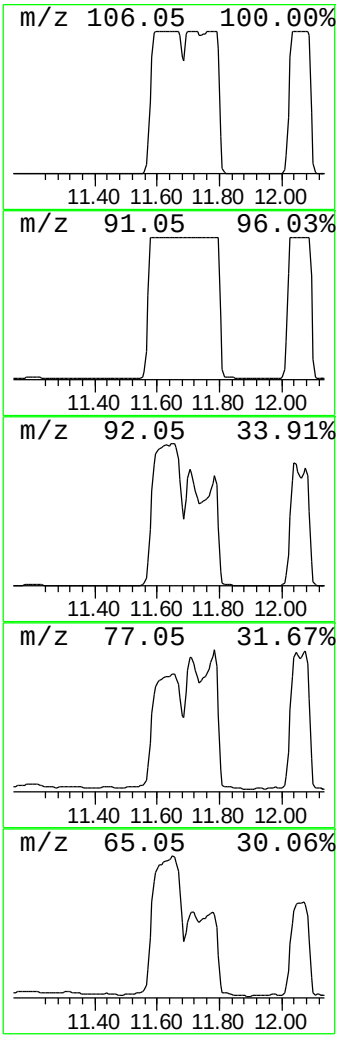
****

Peak Number 6 3,5-Octadiyne Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	328.12 ug/l	223433000	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Octadiyne	106	C8H10	016387-70-5	93
2	Ethylbenzene	106	C8H10	000100-41-4	87
3	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	58
4	o-Xylene	106	C8H10	000095-47-6	58
5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
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Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

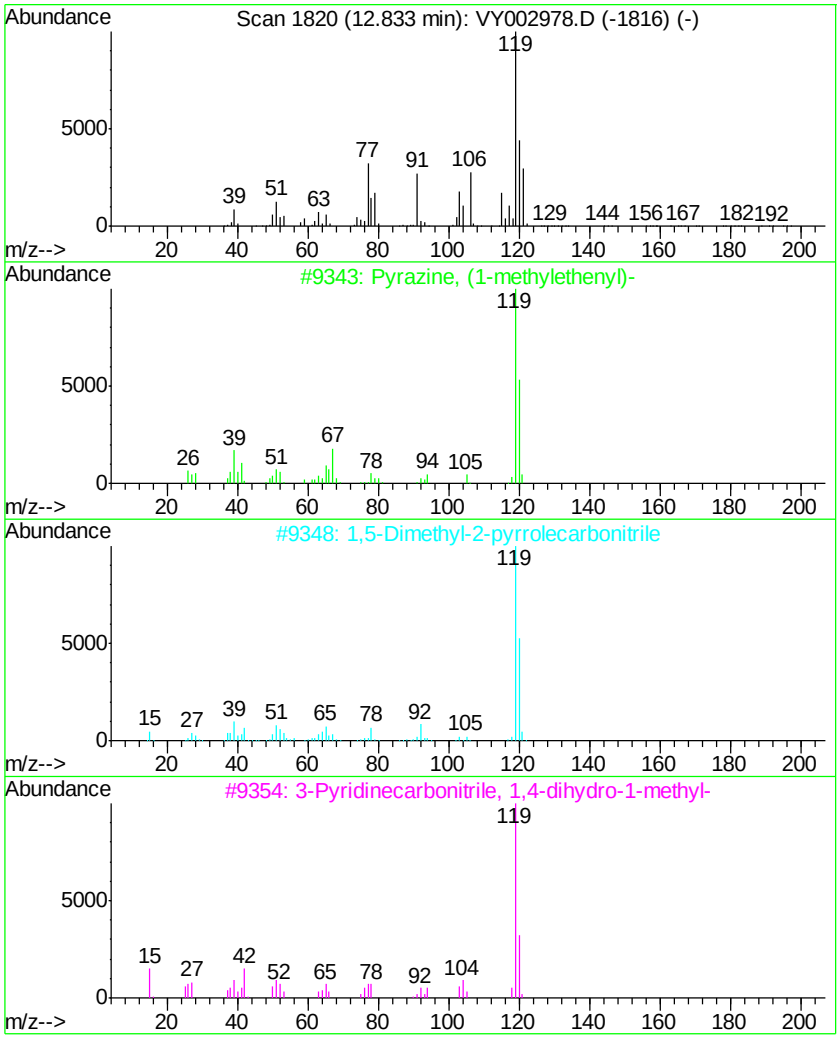
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

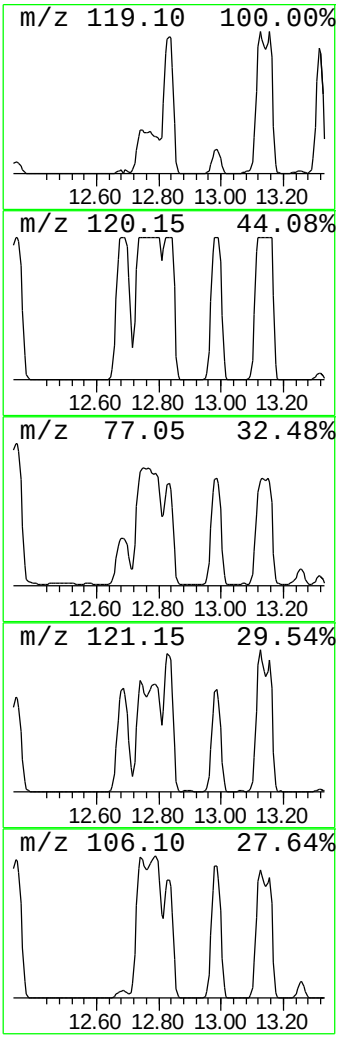
****

Peak Number 8 unknown12.83 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	58.32 ug/l	126157000	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, (1-methylethenyl)-	120	C7H8N2	038713-41-6	49
2	1,5-Dimethyl-2-pyrrolecarbonitrile	120	C7H8N2	056341-36-7	47
3	3-Pyridinecarbonitrile, 1,4-dihy...	120	C7H8N2	019424-15-8	42
4	Pyrazolidin-3-one, 2-(4-methylbe...	280	C17H16N2O2	1000259-14-5	38
5	Benzonitrile, 3-hydroxy-	119	C7H5NO	000873-62-1	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

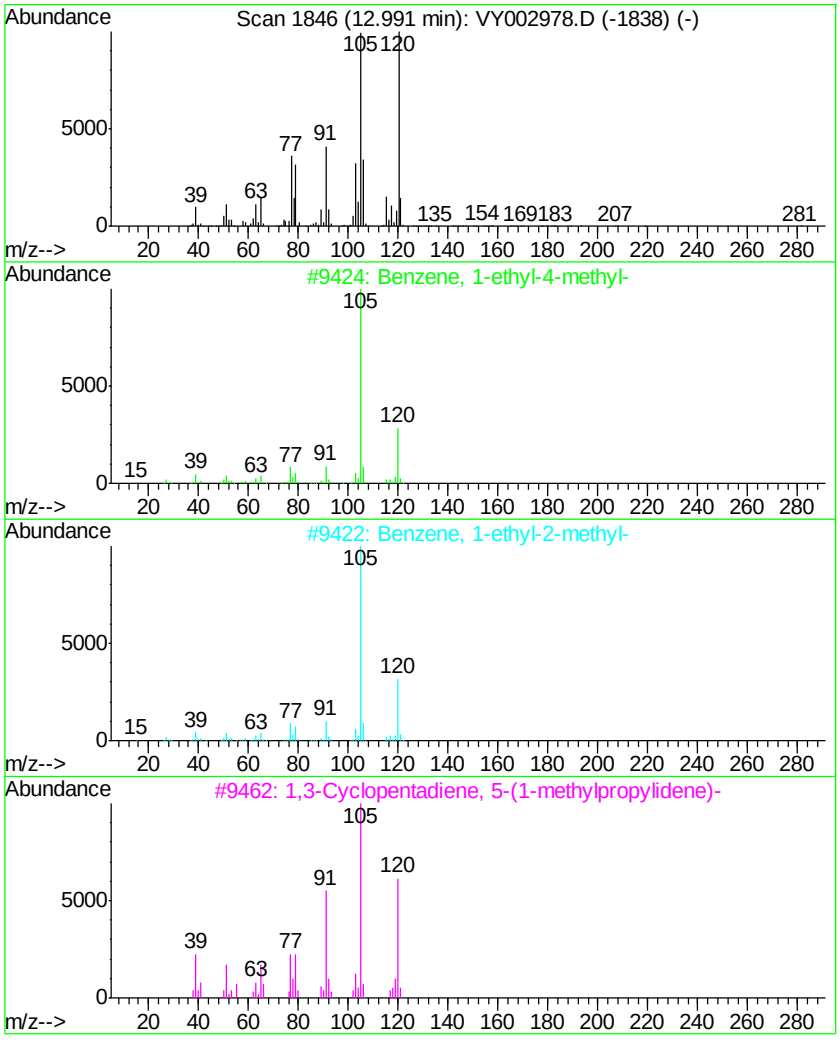
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

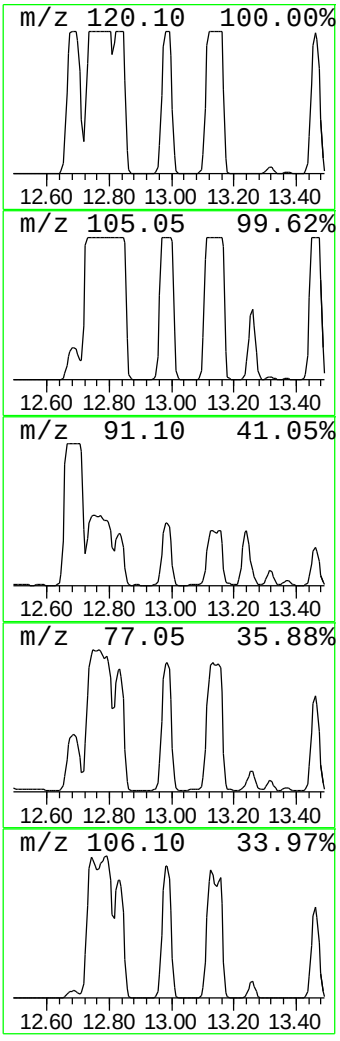
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	56.82 ug/l	122927000	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	86
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
3	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	83
4	Cyclohexane, 1,2,4-tris(methylene)-	120	C9H12	014296-81-2	72
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

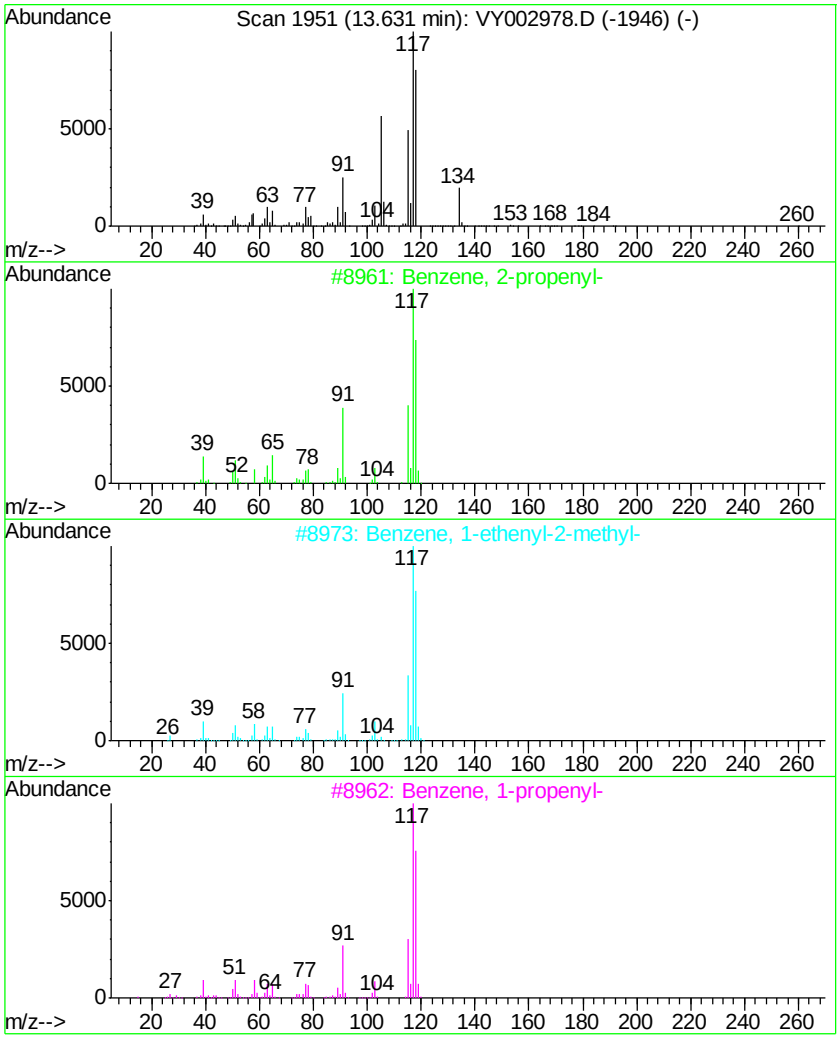
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

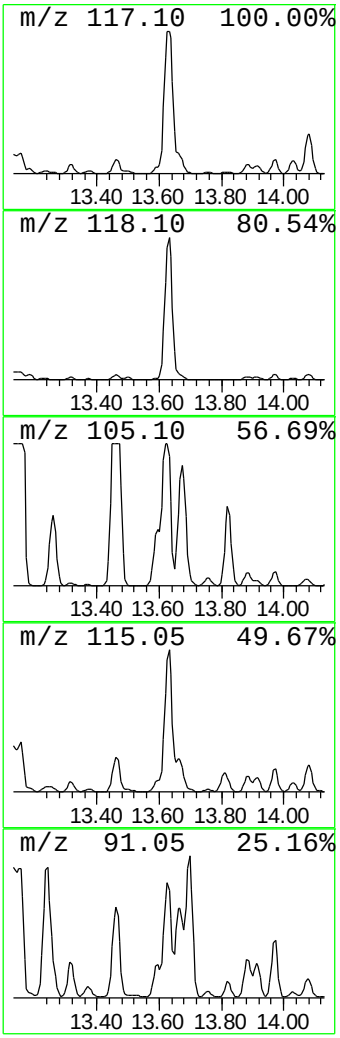
****

Peak Number 10 Benzene, 2-propenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	48.05 ug/l	103953000	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002978.D
Acq On : 22 Jun 2020 16:57
Operator : SY/MD
Sample : L3071-03
Misc : 7.71G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	2.99	66.3	ug/l	278055000	1	7.86	209575000	50.0
Cyclopentene, 1-m...	7.64	50.0	ug/l	209575000	1	7.86	209575000	50.0
Dodecane, 1-fluoro-	10.86	50.3	ug/l	34234200	3	11.53	34047100	50.0
Heptane, 3,5-dime...	10.95	89.9	ug/l	61218300	3	11.53	34047100	50.0
Octane, 3-methyl-	11.44	103.2	ug/l	70290100	3	11.53	34047100	50.0
3,5-Octadiyne	11.64	328.1	ug/l	223433000	3	11.53	34047100	50.0
unknown12.83	12.83	58.3	ug/l	126157000	4	13.44	108167000	50.0
Benzene, 1-ethyl-...	12.99	56.8	ug/l	122927000	4	13.44	108167000	50.0
Benzene, 2-propenyl-	13.63	48.0	ug/l	103953000	4	13.44	108167000	50.0